



EMPLOYMENT AND EARNINGS

September 1986

U.S. Department of Labor  
Bureau of Labor Statistics





**U.S. DEPARTMENT OF LABOR**  
William E. Brock, Secretary

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

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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.
Union affiliation	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, and metropolitan-nonmetropolitan and poverty-nonpoverty area 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 adjustment factors	June
Revised historical national data	Supplement <sup>†</sup>
State and area annual averages	May
Area definitions	May

### State and area labor force data

Annual averages	May
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<sup>†</sup> The latest supplement was published in June 1986.

# Employment and Earnings

Vol. 33 No. 9 September 1986

Editors: Gloria Peterson Green, Rosalie K. Epstein

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# Employment and Unemployment Developments, August 1986

Employment rose and unemployment was little changed in August. The overall unemployment rate was 6.7 percent and the civilian worker rate was 6.8 percent; each has declined half a percentage point since May.

Civilian employment—as measured by the monthly survey of households—rose by about 275,000 in August, while nonagricultural payroll employment—as measured by the monthly survey of establishments—increased by 200,000. Over the past year, employment growth in both surveys has totaled roughly 2½ million.

## Unemployment

The number of unemployed persons was little changed in August at 8.0 million, after seasonal adjustment. The civilian worker jobless rate was 6.8 percent, not materially different from the 6.9 percent of the previous month. Unemployment rates this summer have been lower than they were earlier in the year.

Unemployment rates declined among adult men (to 5.9 percent) and white workers (to 5.8 percent) in August. Jobless rates among adult women (6.1 percent), teenagers (17.7 percent), blacks (14.6 percent), and Hispanics (11.0 percent) were all about the same as in July. (See tables A-33 and A-34.)

The median duration of unemployment was little changed in August, whereas the mean duration increased from 15.0 to 15.8 weeks. The very long-term unemployed (27 weeks and over) was about unchanged over the month but has risen slightly as a percentage of the total unemployed in recent months. (See table A-40.)

## Civilian employment and the labor force

Civilian employment increased by 275,000 to 110.2 million. Employment growth was concentrated among white workers, while black workers posted small job losses. The proportion of the civilian population with jobs was 60.9 percent in August, another record high; that figure has increased 0.8 percentage point over the past year, as civilian employment grew by 2.6 million. (See table A-33.)

The civilian labor force was about unchanged at 118.2 million in August, after seasonal adjustment. Over the past year, the labor force grew by 2.4 million. (Both the over-the-year employment and labor force changes have been adjusted to account for revisions in the population estimating procedures introduced in January.)

## Industry payroll employment

The number of employees on nonagricultural payrolls rose by 200,000 to 100.3 million in August, seasonally adjusted. The over-the-month gain would have been even larger except for a net increase of some 40,000 workers who were off payrolls because of labor-management disputes. (See table B-4.)

In the goods-producing sector, construction employment increased by 55,000, after seasonal adjustment. Total employment in this industry stood at 5.0 million and has increased by a third since early 1983. Mining employment fell by about 10,000, continuing a pattern of decline extending back to mid-1984, all of which has been in the oil and gas extraction component. Manufacturing employment, which had been on a downtrend over the prior 6 months, held about steady in August. The factory job total was lower by some 20,000 workers who were off payrolls in the steel industry due to labor-management disputes. More than half of the manufacturing industries showed small over-the-month increases.

Employment in the service-producing sector continued to expand in August. Services rose by 65,000 over the month, most of it in the health services component. Finance, insurance, and real estate increased by 40,000; job gains in the industry were a vibrant 6.5 percent over the past year. Employment also rose in wholesale trade over the month. After accounting for the effects of a communication workers strike in the Northeast, employment in transportation and public utilities was unchanged.

## Weekly hours

Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls were 34.8 in August, up 0.1 hour after seasonal adjustment. In manufacturing, weekly hours rose 0.2 hour, while overtime hours were unchanged. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls increased by 0.5 percent to 118.6 (1977 = 100), after seasonal adjustment. The factory index was up by 0.8 percent to 93.0. (See table C-6.)

## Hourly and weekly earnings

Average hourly earnings rose by 0.5 percent in August, and weekly earnings were up 0.8 percent, after

seasonal adjustment. Prior to seasonal adjustment, average hourly earnings were unchanged at \$8.69, and weekly earnings increased by 87 cents to \$305.02. Over the past year, average hourly earnings have risen 17 cents, while average weekly earnings were up \$5.12. (See tables C-1 and C-7.)

**The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 169.2

(1977 = 100) in August, seasonally adjusted, an increase of 0.2 percent from July. For the 12 months ended in August, the increase was 2.2 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in manufacturing overtime and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 1.1 percent during the 12-month period ended in July. (See table C-7.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
September	October 3	December	January 9
October	November 7	January	February 6
November	December 5	February	March 6

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1952 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>												
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	48,088	
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	67,648	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	8,991	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	101,194	1,668	99,526	3,401	98,125	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	
1984 .....	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985 .....	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1985:</b>												
August .....	180,131	117,069	65.0	108,936	1,726	107,210	3,095	104,115	8,133	6.9	63,062	
September .....	180,304	117,522	65.2	109,251	1,732	107,519	3,017	104,502	8,271	7.0	62,782	
October .....	180,470	117,814	65.3	109,513	1,700	107,813	3,058	104,755	8,301	7.0	62,656	
November .....	180,642	117,832	65.2	109,671	1,702	107,969	3,070	104,899	8,161	6.9	62,810	
December .....	180,810	117,927	65.2	109,904	1,698	108,206	3,151	105,055	8,023	6.8	62,883	
<b>1988:</b>												
January <sup>1</sup> .....	181,361	118,477	65.3	110,646	1,691	108,955	3,299	105,655	7,831	6.6	62,885	
February .....	181,512	118,779	65.4	110,252	1,691	108,561	3,096	105,465	8,527	7.2	62,733	
March .....	181,678	118,900	65.4	110,481	1,693	108,788	3,285	105,503	8,419	7.1	62,778	
April .....	181,843	118,929	65.4	110,587	1,695	108,892	3,222	105,670	8,342	7.0	62,914	
May .....	181,998	119,351	65.6	110,797	1,667	109,110	3,160	105,950	8,554	7.2	62,647	
June .....	182,183	119,796	65.8	111,353	1,680	109,673	3,165	106,508	8,443	7.0	62,387	
July .....	182,354	119,744	65.7	111,554	1,672	109,882	3,112	106,769	8,190	6.8	62,610	
August .....	182,525	119,879	65.7	111,852	1,697	110,155	3,048	107,107	8,027	6.7	62,646	

<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 end of each calendar year.



**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1975 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>												
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	53,781	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	58,865	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981 .....	82,023	63,488	77.4	58,909	1,512	57,397	2,700	54,897	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	76.6	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484	
1984 .....	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771	
1985 .....	88,025	65,967	78.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1985:</b>												
August .....	86,132	65,945	76.6	61,510	1,574	59,936	2,475	57,461	4,435	6.7	20,187	
September .....	86,217	66,074	76.6	61,629	1,580	60,049	2,413	57,636	4,445	6.7	20,143	
October .....	86,293	68,227	76.7	61,656	1,551	60,105	2,402	57,703	4,571	6.9	20,066	
November .....	86,374	66,176	76.6	61,731	1,552	60,179	2,435	57,744	4,445	6.7	20,198	
December .....	86,459	66,139	76.5	61,793	1,549	60,244	2,506	57,738	4,346	6.6	20,320	
<b>1986:</b>												
January <sup>1</sup> .....	86,882	66,679	76.7	62,458	1,539	60,919	2,546	58,373	4,221	6.3	20,203	
February .....	86,954	66,838	76.9	62,243	1,539	60,704	2,451	58,253	4,595	6.9	20,118	
March .....	87,035	66,864	76.8	62,288	1,540	60,748	2,643	58,104	4,577	6.8	20,171	
April .....	87,120	66,757	76.6	62,254	1,541	60,713	2,606	58,107	4,503	6.7	20,363	
May .....	87,195	66,943	76.8	62,190	1,533	60,657	2,515	58,142	4,754	7.1	20,252	
June .....	87,288	66,964	76.8	62,322	1,525	60,797	2,559	58,238	4,642	6.9	20,324	
July .....	87,373	66,936	76.6	62,365	1,518	60,847	2,476	58,371	4,571	6.8	20,437	
August .....	87,460	66,944	76.5	62,515	1,541	60,974	2,382	58,592	4,429	6.8	20,516	
<b>Annual averages</b>												
<b>WOMEN</b>												
1975 .....	80,938	37,553	46.4	34,067	78	33,989	584	33,404	3,488	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	39,669	100	39,569	689	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	3,698	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	
1984 .....	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068	
1985 .....	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,666	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1985:</b>												
August .....	93,999	51,124	54.4	47,426	152	47,274	620	46,654	3,698	7.2	42,875	
September .....	94,087	51,448	54.7	47,622	152	47,470	604	46,866	3,826	7.4	42,839	
October .....	94,177	51,587	54.8	47,857	149	47,708	656	47,052	3,730	7.2	42,590	
November .....	94,266	51,655	54.8	47,939	149	47,790	635	47,155	3,716	7.2	42,611	
December .....	94,351	51,788	54.9	48,111	149	47,962	645	47,317	3,677	7.1	42,583	
<b>1986:</b>												
January <sup>1</sup> .....	94,479	51,797	54.8	48,187	152	48,035	753	47,282	3,610	7.0	42,682	
February .....	94,558	51,941	54.9	48,009	152	47,857	645	47,212	3,932	7.6	42,617	
March .....	94,643	52,036	55.0	48,194	153	48,041	642	47,399	3,842	7.4	42,607	
April .....	94,723	52,172	55.1	48,333	154	48,179	616	47,563	3,839	7.4	42,551	
May .....	94,803	52,408	55.3	48,608	154	48,454	646	47,808	3,800	7.3	42,395	
June .....	94,895	52,832	55.7	49,031	155	48,876	606	48,270	3,801	7.2	42,063	
July .....	94,981	52,808	55.6	49,189	154	49,035	637	48,398	3,619	6.9	42,173	
August .....	95,065	52,935	55.7	49,337	156	49,181	666	48,515	3,598	6.8	42,130	

<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, 1952 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>								
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
1984 .....	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985 .....	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
<b>Monthly data, seasonally adjusted<sup>2</sup></b>								
<b>1985:</b>								
August .....	178,405	115,343	64.7	107,210	8,133	7.1	6.9	7.3
September .....	178,572	115,790	64.8	107,519	8,271	7.1	6.9	7.5
October .....	178,770	116,114	65.0	107,813	8,301	7.1	7.1	7.3
November .....	178,940	116,130	64.9	107,969	8,161	7.0	6.9	7.2
December .....	179,112	116,229	64.9	108,206	8,023	6.9	6.7	7.1
<b>1986:</b>								
January <sup>1</sup> .....	179,670	116,786	65.0	108,955	7,831	6.7	6.5	7.0
February .....	179,821	117,088	65.1	108,561	8,527	7.3	7.0	7.6
March .....	179,985	117,207	65.1	108,788	8,419	7.2	7.0	7.4
April .....	180,148	117,234	65.1	108,892	8,342	7.1	6.9	7.4
May .....	180,311	117,664	65.3	109,110	8,554	7.3	7.3	7.3
June .....	180,503	118,116	65.4	109,673	8,443	7.1	7.1	7.2
July .....	180,682	118,072	65.3	109,882	8,190	6.9	7.0	6.9
August .....	180,828	118,182	65.4	110,155	8,027	6.8	6.8	6.8

<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	August 1986										
	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 .....	180,828	119,471	66.1	111,515	7,955	6.7	61,357	29,672	1,611	2,757	27,318
16 to 19 years .....	14,505	9,129	62.9	7,732	1,397	15.3	5,376	763	571	36	4,007
16 to 17 years .....	7,391	3,911	52.9	3,274	636	16.3	3,480	366	272	13	2,829
18 to 19 years .....	7,114	5,218	73.3	4,458	760	14.6	1,896	397	299	23	1,178
20 to 24 years .....	19,474	15,884	81.6	14,310	1,574	9.9	3,590	1,687	532	75	1,297
25 to 54 years .....	97,297	79,544	81.8	75,095	4,449	5.8	17,752	12,686	504	1,015	3,548
25 to 34 years .....	41,876	34,692	82.8	32,329	2,363	6.8	7,183	5,207	377	246	1,354
25 to 29 years .....	21,421	17,811	83.1	16,488	1,323	7.4	3,610	2,565	239	120	687
30 to 34 years .....	20,455	16,882	82.5	15,841	1,041	6.2	3,574	2,642	138	127	668
35 to 44 years .....	32,684	27,226	83.4	25,898	1,328	4.9	5,438	3,962	92	320	1,064
35 to 39 years .....	18,414	15,356	83.4	14,550	806	5.2	3,058	2,236	70	155	609
40 to 44 years .....	14,251	11,870	83.3	11,348	523	4.4	2,380	1,738	22	166	454
45 to 54 years .....	22,757	17,625	77.5	16,868	757	4.3	5,131	3,517	35	449	1,130
45 to 49 years .....	11,914	9,576	80.4	9,159	417	4.4	2,337	1,655	24	188	470
50 to 54 years .....	10,842	8,048	74.2	7,708	340	4.2	2,795	1,863	11	261	659
55 to 64 years .....	21,990	11,945	54.3	11,490	455	3.8	10,045	5,109	4	662	4,270
55 to 59 years .....	11,149	7,200	64.6	6,922	278	3.9	3,948	2,277	2	353	1,317
60 to 64 years .....	10,841	4,745	43.8	4,568	177	3.7	6,097	2,833	2	309	2,953
65 years and over .....	27,562	2,969	10.8	2,888	81	2.7	24,593	9,427	1	970	14,196
65 to 69 years .....	9,554	1,789	18.7	1,736	53	3.0	7,765	3,075	2	231	4,456
70 years and over .....	18,008	1,180	6.6	1,151	28	2.4	16,828	6,351		740	9,739
<b>Men</b>											
16 years and over .....	85,919	66,469	77.4	62,372	4,097	6.2	19,450	595	704	1,577	16,574
16 to 19 years .....	7,285	4,780	65.6	4,028	752	15.7	2,505	99	244	30	2,132
16 to 17 years .....	3,775	2,060	54.6	1,714	346	16.8	1,715	67	114	13	1,521
18 to 19 years .....	3,510	2,720	77.5	2,314	406	14.9	790	31	131	17	611
20 to 24 years .....	9,454	8,395	88.8	7,613	783	9.3	1,058	44	243	48	723
25 to 54 years .....	47,460	44,597	94.0	42,361	2,235	5.0	2,863	156	215	696	1,796
25 to 34 years .....	20,556	19,500	94.9	18,332	1,169	6.0	1,056	76	167	168	645
25 to 29 years .....	10,500	9,954	94.8	9,303	651	6.5	546	32	96	82	337
30 to 34 years .....	10,056	9,547	94.9	9,028	518	5.4	510	44	71	87	308
35 to 44 years .....	15,924	15,127	95.0	14,423	704	4.7	797	45	33	223	496
35 to 39 years .....	8,994	8,554	95.1	8,115	439	5.1	440	32	24	109	275
40 to 44 years .....	6,930	6,573	94.8	6,308	265	4.0	357	13	9	115	220
45 to 54 years .....	10,980	9,970	90.8	9,607	363	3.6	1,010	35	15	305	855
45 to 49 years .....	5,772	5,355	92.8	5,163	192	3.6	417	19	10	130	258
50 to 54 years .....	5,208	4,614	88.6	4,443	171	3.7	594	17	5	175	397
55 to 64 years .....	10,337	6,933	67.1	6,658	275	4.0	3,404	95	2	405	2,902
55 to 59 years .....	5,304	4,153	78.3	3,989	165	4.0	1,151	32		217	901
60 to 64 years .....	5,033	2,779	55.2	2,669	110	4.0	2,253	63	2	188	2,001
65 years and over .....	11,383	1,764	15.5	1,712	52	2.9	9,619	201		397	9,021
65 to 69 years .....	4,330	1,046	24.2	1,014	32	3.1	3,284	50		142	3,091
70 years and over .....	7,053	718	10.2	698	19	2.7	6,335	151		256	5,929
<b>Women</b>											
16 years and over .....	94,909	53,001	55.8	49,143	3,858	7.3	41,907	29,077	907	1,180	10,744
16 to 19 years .....	7,219	4,348	60.2	3,704	644	14.8	2,871	665	326	6	1,874
16 to 17 years .....	3,615	1,850	51.2	1,560	290	15.7	1,765	299	158		1,307
18 to 19 years .....	3,604	2,498	69.3	2,144	354	14.2	1,106	366	168	5	567
20 to 24 years .....	10,020	7,488	74.7	6,698	791	10.6	2,532	1,643	288	27	574
25 to 54 years .....	49,837	34,947	70.1	32,733	2,214	6.3	14,889	12,530	289	319	1,752
25 to 34 years .....	21,320	15,192	71.3	13,998	1,194	7.9	6,128	5,131	210	77	710
25 to 29 years .....	10,921	7,857	71.9	7,185	672	8.6	3,064	2,533	143	38	350
30 to 34 years .....	10,399	7,335	70.5	6,813	523	7.1	3,064	2,598	67	40	360
35 to 44 years .....	16,741	12,099	72.3	11,475	625	5.2	4,641	3,917	59	97	568
35 to 39 years .....	9,420	6,802	72.2	6,435	367	5.4	2,618	2,192	46	46	334
40 to 44 years .....	7,321	5,297	72.4	5,040	258	4.9	2,023	1,725	13	51	234
45 to 54 years .....	11,776	7,655	65.0	7,261	394	5.1	4,121	3,482	21	144	474
45 to 49 years .....	6,142	4,221	68.7	3,996	225	5.3	1,920	1,636	14	58	212
50 to 54 years .....	5,634	3,434	60.9	3,265	169	4.9	2,201	1,846	6	86	262
55 to 64 years .....	11,653	5,013	43.0	4,832	180	3.6	6,641	5,014	2	256	1,368
55 to 59 years .....	5,845	3,047	52.1	2,934	113	3.7	2,798	2,244	1	136	416
60 to 64 years .....	5,809	1,966	33.8	1,899	67	3.4	3,843	2,770	1	120	952
65 years and over .....	16,179	1,205	7.4	1,175	30	2.5	14,974	9,225	1	572	5,175
65 to 69 years .....	5,224	743	14.2	722	21	2.8	4,481	3,025	2	89	1,365
70 years and over .....	10,955	462	4.2	453	9	1.9	10,493	6,200		484	3,810

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	August 1986										
	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 .....	155,604	103,214	66.3	97,410	5,805	5.6	52,389	25,880	1,077	2,155	23,277
16 to 19 years .....	11,883	7,898	66.5	6,895	1,003	12.7	3,985	552	385	25	3,023
16 to 17 years .....	6,054	3,429	56.6	2,956	473	13.8	2,625	252	181	10	2,182
18 to 19 years .....	5,828	4,469	78.7	3,939	530	11.9	1,360	300	204	14	841
20 to 24 years .....	16,278	13,564	83.3	12,517	1,048	7.7	2,713	1,340	357	53	963
25 to 54 years .....	83,155	68,428	82.3	65,114	3,314	4.8	14,728	10,806	330	770	2,822
25 to 34 years .....	35,359	29,546	83.6	27,820	1,727	5.8	5,813	4,385	235	180	1,012
25 to 29 years .....	18,061	15,167	84.0	14,222	945	6.2	2,894	2,145	150	92	507
30 to 34 years .....	17,298	14,380	83.1	13,598	782	5.4	2,919	2,240	86	88	505
35 to 44 years .....	28,194	23,573	83.6	22,578	996	4.2	4,621	3,429	69	248	874
35 to 39 years .....	15,823	13,220	83.5	12,640	579	7.2	2,603	1,973	53	112	501
40 to 44 years .....	12,372	10,354	83.7	9,937	417	4.0	2,018	1,519	16	136	373
45 to 54 years .....	19,602	15,308	78.1	14,716	591	3.9	4,294	2,991	26	342	935
45 to 49 years .....	10,232	8,283	81.0	7,972	311	3.8	1,949	1,397	18	147	388
50 to 54 years .....	9,370	7,025	75.0	6,744	281	4.4	2,345	1,619	7	195	547
55 to 64 years .....	19,459	10,623	54.6	10,252	372	3.5	8,836	4,601	4	502	3,729
55 to 59 years .....	9,814	6,363	64.8	6,137	226	3.6	3,451	2,057	2	268	1,123
60 to 64 years .....	9,645	4,261	44.2	4,115	146	3.4	5,385	2,544	2	233	2,606
65 years and over .....	24,829	2,701	10.9	2,633	68	2.5	22,128	8,582	1	806	12,740
65 to 69 years .....	8,535	1,604	18.8	1,560	44	2.7	6,931	2,746	2	185	3,997
70 years and over .....	16,294	1,098	6.7	1,073	24	2.2	15,197	5,835		620	8,742
<b>Men</b>											
16 years and over .....	74,478	58,124	78.0	55,107	3,017	5.2	16,355	439	465	1,253	14,198
16 to 19 years .....	5,982	4,127	69.0	3,576	551	13.4	1,855	71	158	19	1,607
16 to 17 years .....	3,093	1,796	58.1	1,531	265	14.8	1,296	51	73	10	1,163
18 to 19 years .....	2,890	2,331	80.7	2,045	286	12.3	559	21	85	9	445
20 to 24 years .....	7,963	7,221	90.7	6,700	521	7.2	742	24	167	35	516
25 to 54 years .....	41,091	38,928	94.7	37,247	1,681	4.3	2,163	110	138	539	1,376
25 to 34 years .....	17,598	16,855	95.8	15,974	881	5.2	743	50	107	121	466
25 to 29 years .....	8,977	8,580	95.6	8,092	488	5.7	397	20	62	64	251
30 to 34 years .....	8,621	8,275	96.0	7,882	393	4.8	347	30	45	58	214
35 to 44 years .....	13,907	13,291	95.6	12,768	523	3.9	616	37	24	180	375
35 to 39 years .....	7,826	7,495	95.8	7,178	316	4.2	331	28	18	79	206
40 to 44 years .....	6,081	5,796	95.3	5,590	206	3.6	285	9	6	101	169
45 to 54 years .....	9,586	8,783	91.6	8,505	278	3.2	804	23	8	238	535
45 to 49 years .....	5,022	4,694	93.5	4,559	135	2.9	328	11	5	104	207
50 to 54 years .....	4,565	4,089	89.6	3,946	143	3.5	476	12	2	134	328
55 to 64 years .....	9,192	6,232	67.8	6,009	223	3.6	2,960	73	2	324	2,561
55 to 59 years .....	4,692	3,718	79.2	3,584	134	3.6	974	23		178	772
60 to 64 years .....	4,500	2,514	55.9	2,425	89	3.5	1,986	50	2	146	1,788
65 years and over .....	10,250	1,615	15.8	1,575	40	2.5	8,634	160		336	8,138
65 to 69 years .....	3,878	934	24.1	909	25	2.7	2,944	39		116	2,789
70 years and over .....	6,371	682	10.7	666	15	2.3	5,690	121		220	5,349
<b>Women</b>											
16 years and over .....	81,125	45,091	55.6	42,303	2,788	6.2	36,034	25,442	612	902	9,079
16 to 19 years .....	5,900	3,771	63.9	3,319	452	12.0	2,129	480	227	6	1,416
16 to 17 years .....	2,961	1,633	55.1	1,425	208	12.7	1,329	201	108		1,020
18 to 19 years .....	2,939	2,138	72.8	1,894	244	11.4	801	280	119	6	397
20 to 24 years .....	8,315	6,343	76.3	5,817	527	8.3	1,971	1,317	190	18	447
25 to 54 years .....	42,064	29,500	70.1	27,867	1,633	5.5	12,565	10,696	192	231	1,446
25 to 34 years .....	17,761	12,692	71.5	11,846	846	6.7	5,069	4,335	129	58	547
25 to 29 years .....	9,084	6,587	72.5	6,130	457	6.9	2,497	2,125	88	28	256
30 to 34 years .....	8,677	6,105	70.4	5,716	389	6.4	2,572	2,210	41	30	291
35 to 44 years .....	14,287	10,283	72.0	9,810	473	4.6	4,005	3,392	45	68	499
35 to 39 years .....	7,997	5,725	71.6	5,462	263	4.6	2,272	1,908	35	33	295
40 to 44 years .....	6,291	4,558	72.5	4,347	211	4.6	1,733	1,484	10	35	204
45 to 54 years .....	10,016	6,525	65.1	6,211	314	4.8	3,491	2,968	18	104	400
45 to 49 years .....	5,210	3,589	68.9	3,413	176	4.9	1,621	1,385	13	43	181
50 to 54 years .....	4,805	2,936	61.1	2,798	138	4.7	1,869	1,584	5	61	219
55 to 64 years .....	10,267	4,391	42.8	4,243	148	3.4	5,876	4,528	2	178	1,168
55 to 59 years .....	5,121	2,644	51.6	2,552	92	3.5	2,477	2,034	2	91	350
60 to 64 years .....	5,145	1,747	33.9	1,690	57	3.2	3,399	2,494		87	818
65 years and over .....	14,580	1,086	7.4	1,058	28	2.6	13,494	8,421	1	470	4,602
65 to 69 years .....	4,657	670	14.4	651	19	2.8	3,987	2,707	2	69	1,208
70 years and over .....	9,923	416	4.2	407	9	2.2	9,507	5,714		400	3,393

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	August 1986										
	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 .....	20,028	12,767	63.7	10,878	1,889	14.8	7,260	3,025	378	552	3,307
16 to 19 years .....	2,134	996	46.7	645	351	35.3	1,138	187	151	11	790
16 to 17 years .....	1,090	397	36.4	254	143	38.0	693	100	74	2	516
18 to 19 years .....	1,044	599	57.3	391	208	34.8	445	87	77	9	273
20 to 24 years .....	2,621	1,946	74.3	1,472	474	24.4	675	300	114	17	244
25 to 54 years .....	10,889	8,571	78.7	7,580	991	11.6	2,317	1,399	113	224	581
25 to 34 years .....	5,041	4,002	79.4	3,430	572	14.3	1,038	619	93	58	269
25 to 29 years .....	2,641	2,093	79.3	1,753	340	16.2	549	327	61	23	137
30 to 34 years .....	2,399	1,909	79.6	1,678	231	12.1	491	291	32	35	132
35 to 44 years .....	3,431	2,820	82.2	2,538	282	10.0	611	383	14	65	148
35 to 39 years .....	1,987	1,655	83.3	1,461	195	11.8	331	199	7	41	84
40 to 44 years .....	1,443	1,164	80.7	1,077	87	7.5	279	184	7	24	65
45 to 54 years .....	2,417	1,749	72.4	1,612	137	7.8	668	397	6	101	164
45 to 49 years .....	1,271	948	74.6	860	88	9.3	323	205	5	40	73
50 to 54 years .....	1,146	802	70.0	753	48	6.0	346	192	2	61	92
55 to 64 years .....	2,082	1,044	50.2	977	67	6.4	1,037	414		151	473
55 to 59 years .....	1,095	659	60.1	619	40	6.1	437	178		82	178
60 to 64 years .....	966	386	39.1	359	27	6.9	601	236		69	296
65 years and over .....	2,302	209	9.1	204	6	2.8	2,093	725		149	1,219
65 to 69 years .....	838	140	16.7	136	4	2.9	698	269		44	385
70 years and over .....	1,465	69	4.7	68	2	( <sup>1</sup> )	1,395	456		105	835
<b>Men</b>											
16 years and over .....	8,975	6,448	71.9	5,519	929	14.4	2,525	136	162	299	1,929
16 to 19 years .....	1,049	526	50.1	353	173	32.9	523	23	76	11	413
16 to 17 years .....	548	219	40.0	148	71	32.3	329	13	36	2	277
18 to 19 years .....	501	307	61.3	205	102	33.4	194	10	40	9	135
20 to 24 years .....	1,193	971	81.4	733	238	24.5	222	19	43	10	150
25 to 54 years .....	4,872	4,303	88.3	3,825	478	11.1	568	39	43	146	340
25 to 34 years .....	2,272	2,031	89.4	1,770	261	12.8	240	22	36	43	140
25 to 29 years .....	1,192	1,081	90.7	934	147	13.6	111	10	24	16	61
30 to 34 years .....	1,079	950	88.0	837	113	11.9	130	11	12	28	79
35 to 44 years .....	1,527	1,381	90.4	1,234	147	10.6	146	6	4	41	95
35 to 39 years .....	885	803	90.8	703	101	12.6	81	2		28	51
40 to 44 years .....	642	577	89.9	531	46	8.0	65	4	4	13	44
45 to 54 years .....	1,073	892	83.1	822	70	7.9	181	11	3	62	105
45 to 49 years .....	564	484	85.9	435	49	10.2	80	6	3	25	46
50 to 54 years .....	509	408	80.0	387	21	5.1	102	5	1	37	59
55 to 64 years .....	935	544	58.2	507	37	6.8	391	21		74	296
55 to 59 years .....	495	334	67.6	313	21	6.3	160	8		38	115
60 to 64 years .....	440	210	47.7	194	16	7.7	230	13		36	182
65 years and over .....	926	104	11.3	101	3	3.3	821	34		58	730
65 to 69 years .....	363	77	21.2	76	1	1.2	286	10		24	252
70 years and over .....	563	27	4.8	25	2	( <sup>1</sup> )	536	24		34	478
<b>Women</b>											
16 years and over .....	11,054	6,319	57.2	5,359	960	15.2	4,735	2,889	215	252	1,379
16 to 19 years .....	1,085	470	43.3	292	178	37.9	616	164	75	-	377
16 to 17 years .....	542	178	32.9	106	72	40.6	364	87	38	-	239
18 to 19 years .....	543	291	53.7	186	106	36.2	251	77	37	-	138
20 to 24 years .....	1,428	976	68.3	739	237	24.2	453	281	71	7	94
25 to 54 years .....	6,017	4,268	70.9	3,755	513	12.0	1,749	1,360	70	78	241
25 to 34 years .....	2,769	1,971	71.2	1,660	311	15.8	798	597	57	15	129
25 to 29 years .....	1,449	1,012	69.8	819	193	19.1	438	317	37	7	76
30 to 34 years .....	1,320	959	72.7	841	118	12.3	361	280	20	7	53
35 to 44 years .....	1,904	1,439	75.6	1,304	135	9.4	464	377	10	24	53
35 to 39 years .....	1,102	852	77.3	758	94	11.0	250	197	7	13	33
40 to 44 years .....	801	587	73.3	546	41	7.0	214	180	3	11	21
45 to 54 years .....	1,344	857	63.8	791	66	7.8	487	386	3	39	59
45 to 49 years .....	707	464	65.6	425	39	8.4	243	199	2	15	27
50 to 54 years .....	637	394	61.8	366	27	6.9	244	187	1	24	33
55 to 64 years .....	1,147	500	43.6	470	30	5.9	647	393		77	177
55 to 59 years .....	601	324	54.0	305	19	5.9	276	170		44	63
60 to 64 years .....	546	176	32.2	165	11	6.1	370	223		33	114
65 years and over .....	1,376	105	7.6	103	2	2.3	1,271	691		91	489
65 to 69 years .....	475	63	13.3	60	3	( <sup>1</sup> )	412	259		20	133
70 years and over .....	902	42	4.7	43	-	( <sup>1</sup> )	859	432		71	357

<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	August 1986								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	25,224	16,256	64.4	14,105	213	13,893	2,151	13.2	8,968
16 to 19 years .....	2,622	1,231	46.9	837	23	814	394	32.0	1,392
16 to 17 years .....	1,336	482	36.0	318	15	303	163	33.9	855
18 to 19 years .....	1,286	749	58.3	519	9	510	230	30.7	537
20 to 24 years .....	3,196	2,320	72.6	1,794	25	1,769	526	22.7	877
25 to 54 years .....	14,142	11,116	78.6	9,982	129	9,852	1,135	10.2	3,026
25 to 34 years .....	6,517	5,146	79.0	4,510	51	4,459	636	12.4	1,371
25 to 29 years .....	3,360	2,644	78.7	2,266	24	2,242	378	14.3	716
30 to 34 years .....	3,157	1,344	42.6	2,244	28	2,216	259	19.3	654
35 to 44 years .....	4,470	3,653	81.7	3,320	43	3,277	333	9.1	817
35 to 39 years .....	2,591	2,136	82.4	1,910	26	1,884	227	10.6	454
40 to 44 years .....	1,879	1,516	80.7	1,410	16	1,394	106	7.0	363
45 to 54 years .....	3,155	2,318	73.5	2,152	35	2,117	166	7.2	837
45 to 49 years .....	1,681	1,294	77.0	1,187	22	1,165	107	8.3	388
50 to 54 years .....	1,473	1,023	69.5	964	13	952	59	5.8	449
55 to 64 years .....	2,531	1,322	52.2	1,238	23	1,215	83	6.3	1,209
55 to 59 years .....	1,335	838	62.7	786	17	769	52	6.2	497
60 to 64 years .....	1,196	484	40.5	453	6	446	31	6.5	712
65 years and over .....	2,733	268	9.8	255	13	242	13	4.9	2,465
65 to 69 years .....	1,019	186	18.3	176	12	165	9	4.8	833
70 years and over .....	1,714	82	4.8	78	1	77	13	15.9	1,632
<b>Men</b>									
16 years and over .....	11,441	8,346	72.9	7,266	166	7,100	1,080	12.9	3,095
16 to 19 years .....	1,303	653	50.1	452	21	431	201	30.8	650
16 to 17 years .....	682	264	38.7	183	12	170	81	30.7	418
18 to 19 years .....	621	390	62.8	270	9	261	120	30.8	231
20 to 24 years .....	1,491	1,175	78.8	913	19	893	262	22.3	316
25 to 54 years .....	6,369	5,669	89.0	5,115	96	5,019	555	9.8	700
25 to 34 years .....	2,958	2,646	89.4	2,358	38	2,320	288	10.9	312
25 to 29 years .....	1,523	1,374	90.2	1,211	19	1,192	163	11.9	149
30 to 34 years .....	1,435	1,272	88.6	1,147	19	1,128	125	9.8	163
35 to 44 years .....	2,017	1,836	91.0	1,655	30	1,625	181	9.9	181
35 to 39 years .....	1,168	1,059	90.7	937	18	919	123	11.6	108
40 to 44 years .....	849	777	91.5	718	11	707	59	7.5	72
45 to 54 years .....	1,394	1,187	85.2	1,102	28	1,074	86	7.2	207
45 to 49 years .....	750	662	88.2	604	18	586	58	8.7	89
50 to 54 years .....	644	525	81.7	497	10	488	28	5.3	118
55 to 64 years .....	1,144	700	61.2	649	19	630	51	7.3	444
55 to 59 years .....	612	435	71.1	404	15	390	30	7.0	177
60 to 64 years .....	532	265	49.8	244	4	240	21	7.9	267
65 years and over .....	1,134	149	13.1	137	11	127	11	7.5	985
65 to 69 years .....	452	113	24.9	105	10	96	7	6.4	339
70 years and over .....	682	36	5.3	32	1	31	4	( <sup>1</sup> )	646
<b>Women</b>									
16 years and over .....	13,783	7,910	57.4	6,840	47	6,792	1,071	13.5	5,873
16 to 19 years .....	1,319	577	43.8	385	2	383	193	33.4	742
16 to 17 years .....	654	218	33.3	135	2	133	82	37.9	436
18 to 19 years .....	665	360	54.1	249	-	249	110	30.6	305
20 to 24 years .....	1,705	1,145	67.1	881	5	876	264	23.1	561
25 to 54 years .....	7,773	5,447	70.1	4,867	33	4,833	580	10.6	2,326
25 to 34 years .....	3,559	2,500	70.3	2,152	13	2,138	348	13.9	1,058
25 to 29 years .....	1,837	1,270	69.1	1,055	5	1,050	215	16.9	567
30 to 34 years .....	1,722	1,230	71.5	1,097	9	1,088	134	10.9	491
35 to 44 years .....	2,453	1,817	74.1	1,665	13	1,652	151	8.3	636
35 to 39 years .....	1,423	1,077	75.7	973	8	965	104	9.7	346
40 to 44 years .....	1,030	739	71.8	692	5	687	47	6.4	291
45 to 54 years .....	1,761	1,130	64.2	1,050	7	1,043	80	7.1	630
45 to 49 years .....	931	632	67.9	583	4	579	49	7.8	299
50 to 54 years .....	829	498	60.0	467	3	464	31	6.2	331
55 to 64 years .....	1,387	622	44.8	590	5	585	32	5.2	765
55 to 59 years .....	723	403	55.7	381	2	379	22	5.4	320
60 to 64 years .....	664	219	33.0	208	2	206	11	4.8	445
65 years and over .....	1,599	119	7.4	117	2	115	2	1.6	1,480
65 to 69 years .....	567	73	12.9	71	2	69	2	( <sup>1</sup> )	494
70 years and over .....	1,032	46	4.5	46	-	46	-	( <sup>1</sup> )	986

<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	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
<b>TOTAL</b>								
Civilian noninstitutional population .....	178,405	180,828	77,306	78,634	86,652	87,689	14,448	14,505
Civilian labor force .....	116,679	119,471	60,759	61,689	46,980	48,653	8,940	9,129
Percent of population .....	65.4	66.1	78.6	78.5	54.2	55.5	61.9	62.9
Employed .....	108,628	111,515	57,416	58,344	43,622	45,439	7,590	7,732
Agriculture .....	3,512	3,440	2,422	2,355	652	702	438	383
Nonagricultural industries .....	105,116	108,075	54,994	55,989	42,970	44,737	7,152	7,349
Unemployed .....	8,051	7,955	3,344	3,345	3,358	3,214	1,350	1,397
Unemployment rate .....	6.9	6.7	5.5	5.4	7.1	6.6	15.1	15.3
Not in labor force .....	61,726	61,357	16,547	16,945	39,672	39,036	5,508	5,376
<b>White</b>								
Civilian noninstitutional population .....	153,819	155,604	67,465	68,496	74,492	75,225	11,862	11,883
Civilian labor force .....	100,866	103,214	53,308	53,996	39,870	41,320	7,688	7,898
Percent of population .....	65.6	66.3	79.0	78.8	53.5	54.9	64.8	66.5
Employed .....	94,864	97,410	50,736	51,531	37,410	38,984	6,718	6,895
Agriculture .....	3,217	3,227	2,217	2,211	607	656	393	360
Nonagricultural industries .....	91,648	94,183	48,519	49,320	36,804	38,327	6,325	6,535
Unemployed .....	6,002	5,805	2,572	2,466	2,460	2,336	971	1,003
Unemployment rate .....	6.0	5.6	4.8	4.6	6.2	5.7	12.6	12.7
Not in labor force .....	52,953	52,389	14,157	14,499	34,622	33,905	4,174	3,985
<b>Black</b>								
Civilian noninstitutional population .....	19,700	20,028	7,749	7,926	9,797	9,968	2,154	2,134
Civilian labor force .....	12,593	12,767	5,812	5,923	5,727	5,849	1,053	996
Percent of population .....	63.9	63.7	75.0	74.7	58.5	58.7	48.9	46.7
Employed .....	10,788	10,878	5,144	5,166	4,932	5,067	712	645
Agriculture .....	240	159	167	108	30	32	43	20
Nonagricultural industries .....	10,548	10,719	4,977	5,058	4,902	5,036	669	625
Unemployed .....	1,805	1,889	668	756	796	782	341	351
Unemployment rate .....	14.3	14.8	11.5	12.8	13.9	13.4	32.4	35.3
Not in labor force .....	7,107	7,260	1,937	2,003	4,070	4,119	1,100	1,138

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin**

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	August 1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
Total	Full time <sup>1</sup>			Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work			
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	3,023	1,706	56.5	1,506	670	835	201	57	144	11.8
16 to 19 years .....	1,568	795	50.7	674	224	449	121	23	98	15.3
20 to 24 years .....	1,455	912	62.7	832	446	386	80	33	46	8.7
High school .....	795	376	47.4	295	66	229	82	15	66	21.7
College .....	2,228	1,330	59.7	1,211	605	606	119	41	78	9.0
Full-time students .....	1,728	889	51.5	808	356	452	82	29	53	9.2
Part-time students .....	500	441	88.2	403	249	155	38	12	25	8.5
Men, 16 to 24 years .....	1,451	861	59.4	761	383	378	100	30	70	11.6
16 to 19 years .....	747	394	52.8	332	129	203	63	11	52	15.9
20 to 24 years .....	704	467	66.3	430	254	175	38	19	19	8.1
High school .....	400	213	53.3	172	41	131	41	5	36	19.2
College .....	1,051	648	61.7	589	342	247	59	25	34	9.2
Full-time students .....	799	426	53.4	382	197	185	45	20	25	10.5
Part-time students .....	253	222	87.8	207	145	62	15	5	9	6.6
Women, 16 to 24 years .....	1,571	845	53.8	744	287	457	101	27	74	11.9
16 to 19 years .....	821	401	48.8	342	95	246	59	12	46	14.7
20 to 24 years .....	750	444	59.2	402	192	211	42	14	28	9.4
High school .....	394	163	41.3	122	24	98	41	10	30	25.0
College .....	1,177	682	58.0	622	263	359	60	16	44	8.8
Full-time students .....	929	463	49.8	426	159	267	37	9	28	8.0
Part-time students .....	247	219	88.7	196	104	92	23	7	16	10.5
<b>White</b>										
Total, 16 to 24 years .....	2,421	1,475	60.9	1,352	622	730	123	32	91	8.3
16 to 19 years .....	1,241	689	55.5	605	210	396	84	14	70	12.2
20 to 24 years .....	1,180	785	66.6	747	413	334	39	18	21	4.9
Men .....	1,190	761	63.9	696	365	331	65	21	44	8.5
Women .....	1,230	714	58.0	656	257	399	58	11	47	8.1
High school .....	619	329	53.2	278	63	215	51	5	46	15.5
College .....	1,802	1,145	63.6	1,074	559	515	72	27	45	6.2
Full-time students .....	1,397	777	55.7	729	333	396	48	17	31	6.2
Part-time students .....	405	368	90.8	345	226	119	23	9	14	6.3
<b>Black</b>										
Total, 16 to 24 years .....	466	190	40.7	116	40	76	74	26	48	39.0
16 to 19 years .....	274	88	32.2	53	11	41	36	11	25	40.5
20 to 24 years .....	192	101	52.7	63	29	35	38	15	24	37.8
Men .....	193	75	38.8	44	15	29	31	9	22	41.6
Women .....	273	115	42.0	72	25	47	43	16	27	37.3
High school .....	145	38	26.1	10	2	8	28	11	17	( <sup>2</sup> )
College .....	321	152	47.3	106	38	68	46	15	31	30.1
Full-time students .....	245	90	36.8	58	16	42	32	11	21	35.8
Part-time students .....	76	62	80.7	48	22	26	13	3	10	( <sup>2</sup> )
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	270	131	48.5	108	49	59	23	6	18	17.7
16 to 19 years .....	150	62	41.0	42	16	25	20	6	14	( <sup>2</sup> )
20 to 24 years .....	120	70	58.0	66	33	34	3	-	3	( <sup>2</sup> )
Men .....	113	77	67.7	63	31	32	14	6	8	18.3
Women .....	157	54	34.6	45	18	27	9	-	10	( <sup>2</sup> )
High school .....	120	41	34.0	29	8	21	11	4	7	( <sup>2</sup> )
College .....	151	91	60.1	79	41	38	12	1	11	13.1
Full-time students .....	118	60	50.9	51	17	34	9	2	8	( <sup>2</sup> )
Part-time students .....	33	30	93.4	28	24	4	3	-	3	( <sup>2</sup> )

See footnotes at end of table.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	August 1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	30,956	23,306	75.3	20,537	15,182	5,355	2,769	2,044	726	11.9
16 to 19 years .....	12,937	8,334	64.4	7,059	3,651	3,408	1,275	730	545	15.3
20 to 24 years .....	18,019	14,972	83.1	13,478	11,531	1,947	1,494	1,314	180	10.0
Less than 4 years of high school .....	10,496	6,052	57.7	4,893	2,527	2,366	1,159	703	456	19.2
4 years of high school .....	12,176	10,064	82.7	8,905	7,178	1,727	1,159	978	181	11.5
1 to 3 years of college .....	6,230	5,311	85.2	4,966	3,895	1,072	344	257	88	6.5
4 years of college or more .....	2,054	1,879	91.5	1,772	1,582	190	107	106	1	5.7
Men, 16 to 24 years .....	15,288	12,314	80.6	10,880	8,561	2,319	1,435	1,099	336	11.7
16 to 19 years .....	6,538	4,386	67.1	3,696	2,083	1,614	690	409	281	15.7
20 to 24 years .....	8,749	7,928	90.6	7,183	6,478	705	745	690	55	9.4
Less than 4 years of high school .....	5,523	3,591	65.0	2,948	1,773	1,175	643	411	232	17.9
4 years of high school .....	5,877	5,274	89.7	4,692	4,020	671	583	518	64	11.0
1 to 3 years of college .....	2,967	2,604	87.8	2,444	2,038	405	161	120	40	6.2
4 years of college or more .....	921	845	91.8	796	729	67	49	50	-	5.8
Women, 16 to 24 years .....	15,669	10,992	70.2	9,657	6,621	3,036	1,334	944	390	12.1
16 to 19 years .....	6,398	3,948	61.7	3,362	1,568	1,794	585	321	265	14.8
20 to 24 years .....	9,270	7,044	76.0	6,295	5,053	1,242	749	624	125	10.6
Less than 4 years of high school .....	4,974	2,461	49.5	1,945	754	1,191	516	292	224	21.0
4 years of high school .....	6,298	4,790	76.1	4,214	3,158	1,056	576	460	116	12.0
1 to 3 years of college .....	3,264	2,707	82.9	2,523	1,856	667	184	136	48	6.8
4 years of college or more .....	1,133	1,034	91.2	976	853	123	58	56	2	5.6
<b>White</b>										
Total, 16 to 24 years .....	25,739	19,987	77.7	18,060	13,446	4,613	1,928	1,375	552	9.6
16 to 19 years .....	10,641	7,209	67.7	6,290	3,319	2,971	919	501	418	12.7
20 to 24 years .....	15,098	12,779	84.6	11,770	10,128	1,642	1,009	875	134	7.9
Men .....	12,755	10,587	83.0	9,580	7,616	1,963	1,007	740	267	9.5
Women .....	12,985	9,400	72.4	8,480	5,830	2,650	920	635	285	9.8
Less than 4 years of high school .....	8,415	5,136	61.0	4,297	2,245	2,052	839	492	348	16.3
4 years of high school .....	10,163	8,567	84.3	7,793	6,357	1,435	774	639	135	9.0
1 to 3 years of college .....	5,331	4,600	86.3	4,375	3,423	953	224	156	68	4.9
4 years of college or more .....	1,830	1,685	92.1	1,595	1,421	174	90	89	1	5.4
<b>Black</b>										
Total, 16 to 24 years .....	4,289	2,753	64.2	2,001	1,397	604	752	608	143	27.3
16 to 19 years .....	1,860	908	48.8	592	249	343	315	210	105	34.8
20 to 24 years .....	2,429	1,845	76.0	1,409	1,148	261	436	398	38	23.6
Men .....	2,049	1,422	69.4	1,042	752	290	380	325	55	26.7
Women .....	2,240	1,331	59.4	959	645	314	372	283	89	27.9
Less than 4 years of high school .....	1,719	757	44.0	477	217	260	280	193	87	37.0
4 years of high school .....	1,725	1,292	74.9	931	683	248	361	320	42	27.9
1 to 3 years of college .....	678	561	82.8	463	376	87	98	82	16	17.5
4 years of college or more .....	167	142	84.8	130	121	8	12	13	-	8.6
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,852	1,919	67.3	1,609	1,272	337	309	234	76	16.1
16 to 19 years .....	1,153	618	53.7	475	284	191	143	81	63	23.2
20 to 24 years .....	1,699	1,300	76.5	1,134	988	146	166	153	13	12.8
Men .....	1,516	1,194	78.8	1,017	855	163	177	151	25	14.8
Women .....	1,336	725	54.2	592	417	174	133	83	50	18.3
Less than 4 years of high school .....	1,416	787	55.6	641	487	154	147	90	57	18.6
4 years of high school .....	1,019	793	77.9	659	534	126	134	119	15	16.9
1 to 3 years of college .....	350	282	80.7	258	209	48	24	21	4	8.7
4 years of college or more .....	68	56	( <sup>2</sup> )	51	42	9	5	5	-	( <sup>2</sup> )

<sup>1</sup> Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time.

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

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and

college students into that group. 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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-8. Employment status of male Vietnam-era veterans and nonveterans by age, not seasonally adjusted**

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Aug. 1985	Aug. 1986	Total		Employed		Unemployed			
			Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Number		Percent of labor force	
							Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
<b>VIETNAM-ERA VETERANS</b>										
Total, 30 years and over .....	7,677	7,760	7,198	7,166	6,870	6,884	328	282	4.6	3.9
30 to 44 years .....	6,516	6,370	6,283	6,063	5,986	5,806	297	257	4.7	4.2
30 to 34 years .....	1,337	1,120	1,274	1,044	1,198	984	76	60	6.0	5.7
35 to 39 years .....	3,364	3,009	3,266	2,863	3,119	2,741	147	122	4.5	4.3
40 to 44 years .....	1,815	2,241	1,743	2,156	1,669	2,081	74	75	4.2	3.5
45 years and over .....	1,161	1,390	915	1,103	884	1,078	31	25	3.4	2.3
<b>NONVETERANS</b>										
Total, 30 to 44 years .....	17,347	18,529	16,450	17,579	15,672	16,672	778	907	4.7	5.2
30 to 34 years .....	8,028	8,600	7,672	8,183	7,263	7,749	409	434	5.3	5.3
35 to 39 years .....	5,005	5,765	4,733	5,476	4,519	5,175	214	301	4.5	5.5
40 to 44 years .....	4,314	4,164	4,045	3,920	3,890	3,748	155	172	3.8	4.4

NOTE: Male Vietnam-era veterans are men 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 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

A-9. Employed and unemployed full- and part-time workers by sex, age, and race

(In thousands)

Sex, age, and race	August 1986							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules <sup>1</sup>	Part time for economic reasons, usually work full time	Total	Voluntary <sup>1</sup>	Part time for economic reasons, usually work part time		
<b>TOTAL</b>								
Total, 16 years and over .....	93,941	92,214	1,727	17,575	13,375	4,200	6,473	1,483
16 to 19 years .....	3,875	3,676	199	3,857	2,649	1,208	753	643
16 to 17 years .....	1,055	996	59	2,219	1,655	564	198	439
18 to 19 years .....	2,819	2,680	139	1,638	994	644	555	205
20 years and over .....	90,066	88,538	1,528	13,717	10,725	2,992	5,719	839
20 to 24 years .....	11,977	11,702	275	2,333	1,537	796	1,347	226
25 years and over .....	78,088	76,835	1,253	11,384	9,188	2,196	4,372	613
25 to 54 years .....	66,973	65,904	1,069	8,122	6,285	1,837	3,984	465
55 years and over .....	11,115	10,931	184	3,262	2,903	359	389	147
<b>Men, 16 years and over .....</b>	<b>56,802</b>	<b>55,803</b>	<b>999</b>	<b>5,571</b>	<b>3,779</b>	<b>1,792</b>	<b>3,528</b>	<b>569</b>
16 to 19 years .....	2,211	2,088	123	1,817	1,222	595	420	332
20 years and over .....	54,590	53,715	875	3,754	2,556	1,198	3,108	237
20 to 24 years .....	6,732	6,562	170	880	525	355	709	74
25 years and over .....	47,858	47,152	706	2,873	2,031	842	2,399	164
25 to 54 years .....	40,813	40,217	596	1,548	839	709	2,155	82
55 years and over .....	7,045	6,935	110	1,325	1,192	133	244	82
<b>Women, 16 years and over .....</b>	<b>37,139</b>	<b>36,411</b>	<b>728</b>	<b>12,004</b>	<b>9,596</b>	<b>2,408</b>	<b>2,944</b>	<b>914</b>
16 to 19 years .....	1,663	1,588	75	2,040	1,427	613	333	311
20 years and over .....	35,475	34,823	652	9,963	8,169	1,794	2,611	603
20 to 24 years .....	5,245	5,140	105	1,453	1,012	441	638	153
25 years and over .....	30,232	29,684	548	8,510	7,157	1,353	1,973	450
25 to 54 years .....	26,160	25,687	473	6,573	5,446	1,127	1,829	384
55 years and over .....	4,071	3,997	74	1,937	1,711	226	144	66
<b>White</b>								
Men, 16 years and over .....	50,329	49,498	831	4,778	3,357	1,421	2,585	432
16 to 19 years .....	2,025	1,921	104	1,550	1,073	477	296	256
20 years and over .....	48,303	47,577	726	3,228	2,284	944	2,290	176
20 to 24 years .....	5,956	5,805	151	744	466	278	465	56
25 years and over .....	42,347	41,771	576	2,484	1,818	666	1,824	120
25 to 54 years .....	35,986	35,508	478	1,261	712	549	1,618	63
55 years and over .....	6,361	6,263	98	1,223	1,106	117	206	57
Women, 16 years and over .....	31,610	31,010	600	10,693	8,784	1,909	2,091	696
16 to 19 years .....	1,503	1,429	74	1,817	1,287	530	219	233
20 years and over .....	30,107	29,581	526	8,876	7,497	1,379	1,872	464
20 to 24 years .....	4,584	4,497	87	1,233	902	331	428	99
25 years and over .....	25,522	25,083	439	7,644	6,595	1,049	1,445	364
25 to 54 years .....	21,948	21,566	382	5,918	5,034	884	1,320	313
55 years and over .....	3,574	3,517	57	1,727	1,562	165	125	51
<b>Black</b>								
Men, 16 years and over .....	4,891	4,743	148	629	306	323	818	111
16 to 19 years .....	143	125	18	210	106	104	112	61
20 years and over .....	4,749	4,619	130	418	200	218	706	50
20 to 24 years .....	624	609	15	108	39	69	223	15
25 years and over .....	4,124	4,010	114	308	160	148	484	35
25 to 54 years .....	3,597	3,493	104	229	91	138	460	17
55 years and over .....	527	517	10	79	69	10	24	18
Women, 16 years and over .....	4,332	4,224	108	1,027	589	438	773	187
16 to 19 years .....	118	117	1	174	106	88	109	69
20 years and over .....	4,214	4,107	107	853	483	370	663	118
20 to 24 years .....	552	536	16	187	83	104	190	47
25 years and over .....	3,662	3,571	91	666	400	266	473	72
25 to 54 years .....	3,265	3,190	75	490	275	215	454	59
55 years and over .....	398	381	17	176	125	51	19	13

<sup>1</sup> Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Family relationship	August 1986									
	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> .....	97,817	66.8	91,194	6,623	6.8	48,583	24,048	1,355	2,002	21,178
Husbands .....	39,352	78.5	37,963	1,389	3.5	10,784	158	88	860	9,679
With employed wife .....	23,812	91.7	23,081	731	3.1	2,144	39	45	295	1,765
With unemployed wife .....	1,349	91.4	1,193	156	11.5	127	2	3	26	96
With wife not in labor force .....	14,191	62.5	13,689	503	3.5	8,513	117	39	539	7,818
Wives .....	27,432	54.7	25,956	1,476	5.4	22,704	18,759	128	298	3,518
With employed husband .....	24,274	63.9	23,081	1,193	4.9	13,689	12,128	109	99	1,352
With unemployed husband .....	887	63.8	731	156	17.6	503	438	7	8	50
With husband not in labor force .....	2,271	21.1	2,144	127	5.6	8,513	6,193	12	192	2,116
Relatives in married-couple families .....	15,304	70.7	13,596	1,708	11.2	6,335	1,000	708	279	4,347
16 to 19 years .....	6,286	64.6	5,504	782	12.4	3,450	303	349	18	2,779
20 to 24 years .....	5,524	83.5	4,986	538	9.7	1,092	136	288	37	630
25 years and over .....	3,494	66.1	3,106	388	11.1	1,793	561	71	224	938
Women who maintain families .....	6,375	61.4	5,689	686	10.8	4,009	2,886	92	188	842
Relatives in families maintained by women .....	5,772	63.9	4,772	1,000	17.3	3,254	845	257	270	1,883
16 to 19 years .....	1,659	57.5	1,243	415	25.0	1,228	181	138	16	894
20 to 24 years .....	1,681	77.6	1,408	273	16.3	485	120	78	23	265
25 years and over .....	2,433	61.2	2,121	312	12.8	1,541	544	41	231	724
Men who maintain families .....	1,944	78.1	1,803	142	7.3	545	41	9	35	460
Relatives in families maintained by men .....	1,639	63.2	1,416	224	13.6	953	359	73	72	449
16 to 19 years .....	339	59.2	273	66	19.6	234	37	34	1	161
20 to 24 years .....	500	81.0	419	81	16.2	117	38	20	3	57
25 years and over .....	801	57.1	724	77	9.6	602	284	19	68	231

<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, and persons in unrelated subfamilies.

NOTE: Estimates shown in this table 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.

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
Total, 16 years and over .....	4,098	4,097	6.3	6.2	3,953	3,858	7.7	7.3
Married, spouse present .....	1,541	1,548	3.8	3.7	1,639	1,602	6.0	5.6
Widowed, divorced, or separated .....	501	513	8.1	8.2	894	820	8.9	8.0
Single (never married) .....	2,056	2,036	11.2	10.9	1,421	1,437	10.4	10.0
White, 16 years and over .....	3,123	3,017	5.4	5.2	2,879	2,788	6.6	6.2
Married, spouse present .....	1,281	1,240	3.5	3.3	1,382	1,298	5.7	5.2
Widowed, divorced, or separated .....	383	386	7.4	7.3	610	599	7.7	7.3
Single (never married) .....	1,459	1,390	9.5	8.9	887	890	7.9	7.6
Black, 16 years and over .....	850	929	13.3	14.4	955	960	15.4	15.2
Married, spouse present .....	205	243	6.8	7.8	209	242	9.2	10.6
Widowed, divorced, or separated .....	112	118	12.2	13.4	261	209	14.4	11.8
Single (never married) .....	533	569	21.6	23.1	485	509	22.9	22.5
Total, 25 years and over .....	2,493	2,562	4.8	4.8	2,510	2,423	6.4	5.9
Married, spouse present .....	1,379	1,405	3.6	3.6	1,340	1,301	5.4	5.0
Widowed, divorced, or separated .....	465	486	7.8	8.0	794	732	8.3	7.6
Single (never married) .....	649	673	8.7	8.6	377	392	7.3	7.0
White, 25 years and over .....	1,943	1,945	4.2	4.2	1,881	1,809	5.6	5.2
Married, spouse present .....	1,150	1,121	3.3	3.2	1,139	1,062	5.2	4.6
Widowed, divorced, or separated .....	360	362	7.3	7.1	545	525	7.2	6.8
Single (never married) .....	434	463	7.2	7.2	197	222	5.0	5.1
Black, 25 years and over .....	473	518	9.7	10.5	553	545	11.5	11.2
Married, spouse present .....	182	221	6.4	7.5	161	187	7.8	9.0
Widowed, divorced, or separated .....	99	117	11.2	13.5	231	197	13.2	11.4
Single (never married) .....	191	180	17.2	16.0	161	161	16.1	15.0

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-12. Unemployed persons by occupation and sex**

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
Total, 16 years and over .....	8,051	7,955	6.9	6.7	6.3	6.2	7.7	7.3
Managerial and professional specialty .....	755	731	2.9	2.7	2.2	2.3	3.8	3.3
Executive, administrative, and managerial .....	350	319	2.8	2.4	2.2	2.0	3.8	3.1
Professional specialty .....	405	411	3.0	3.0	2.2	2.6	3.9	3.4
Technical, sales, and administrative support .....	1,684	1,742	4.8	4.8	3.0	3.9	5.8	5.2
Technicians and related support .....	109	115	3.1	3.3	2.4	3.6	3.9	3.0
Sales occupations .....	666	763	5.0	5.4	3.1	3.4	6.9	7.4
Administrative support, including clerical .....	909	864	5.0	4.6	3.0	4.9	5.5	4.5
Service occupations .....	1,316	1,335	8.2	8.2	8.5	7.6	8.1	8.6
Private household .....	53	78	4.8	7.2	( <sup>1</sup> )	( <sup>1</sup> )	4.6	7.6
Protective service .....	76	60	4.1	3.2	3.7	3.0	6.1	4.5
Service, except private household and protective .....	1,187	1,196	9.1	9.0	10.1	9.3	8.6	8.8
Precision production, craft, and repair .....	916	892	6.2	6.0	5.8	5.8	10.1	8.1
Mechanics and repairers .....	186	214	3.8	4.6	3.7	4.6	8.0	4.3
Construction trades .....	452	396	8.2	6.9	8.2	7.0	8.3	4.4
Other precision production, craft, and repair .....	279	282	6.3	6.4	5.0	5.5	10.7	9.2
Operators, fabricators, and laborers .....	2,006	1,874	10.4	9.5	9.5	8.5	13.2	12.4
Machine operators, assemblers, and inspectors .....	971	877	10.9	9.7	9.4	8.0	13.0	12.1
Transportation and material moving occupations .....	382	340	7.8	6.9	7.6	6.6	11.1	10.8
Handlers, equipment cleaners, helpers, and laborers .....	653	657	12.1	11.5	11.5	10.9	15.2	14.4
Construction laborers .....	157	142	15.2	13.5	14.9	13.3	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	496	514	11.3	11.0	10.5	10.3	14.8	14.1
Farming, forestry, and fishing .....	264	249	6.2	6.0	5.9	5.2	7.4	9.6
No previous work experience .....	1,045	1,093					-	-
16 to 19 years .....	654	724					-	-
20 to 24 years .....	243	215					-	-
25 years and over .....	147	154					-	-

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

**A-13. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
Total, 16 years and over .....	8,051	7,955	6.9	6.7	6.3	6.2	7.7	7.3
Nonagricultural private wage and salary workers .....	5,894	5,884	6.8	6.6	6.2	6.2	7.4	7.0
Mining .....	82	141	7.4	14.6	7.1	16.7	8.9	4.5
Construction .....	634	597	10.1	9.3	10.3	9.6	8.2	6.7
Manufacturing .....	1,649	1,477	7.5	6.6	6.1	5.5	10.2	8.9
Durable goods .....	1,009	902	7.7	6.8	6.6	5.9	10.5	9.0
Lumber and wood products .....	81	61	11.4	8.0	10.5	6.9	17.7	15.6
Furniture and fixtures .....	60	54	10.1	7.9	8.0	7.9	14.7	8.0
Stone, clay, and glass products .....	34	46	5.6	6.8	4.7	6.0	8.5	9.9
Primary metal industries .....	97	89	10.7	10.5	10.9	11.1	8.4	7.2
Fabricated metal products .....	93	106	6.8	7.3	5.9	7.1	9.8	7.9
Machinery, except electrical .....	178	147	6.5	5.7	6.1	5.5	7.9	6.4
Electrical machinery, equipment, and supplies .....	231	171	9.4	7.2	7.6	4.6	11.9	11.2
Transportation equipment .....	141	153	5.3	5.5	4.7	4.7	7.9	8.5
Automobiles .....	100	94	7.5	7.1	6.5	5.0	11.9	14.4
Other transportation equipment .....	42	59	3.2	4.0	2.9	4.4	3.8	2.6
Professional and photographic equipment .....	44	30	6.4	4.5	4.3	2.6	9.4	7.3
Other durable goods industries .....	51	44	11.6	9.0	7.9	7.3	16.0	11.2
Nondurable goods .....	640	574	7.2	6.4	5.1	4.7	10.0	8.8
Food and kindred products .....	140	166	7.2	8.4	5.9	6.4	9.9	12.2
Textile mill products .....	62	54	8.5	7.6	7.0	6.7	10.1	8.6
Apparel and other textile products .....	148	121	11.6	9.4	4.7	4.3	13.3	11.0
Paper and allied products .....	22	12	3.0	1.7	2.8	1.5	3.8	2.5
Printing and publishing .....	115	72	6.7	4.0	3.7	3.2	10.4	5.1
Chemicals and allied products .....	60	63	4.7	4.9	4.0	4.2	6.4	6.5
Rubber and miscellaneous plastics products .....	65	52	8.2	6.7	8.6	5.7	7.3	8.4
Other nondurable goods industries .....	28	35	6.4	8.3	5.2	5.4	8.1	13.1
Transportation and public utilities .....	281	288	4.5	4.7	4.5	4.7	4.8	4.6
Transportation .....	219	220	5.2	5.0	5.2	5.1	5.1	4.9
Communications and other public utilities .....	62	68	2.3	2.5	1.8	2.5	3.4	2.6
Wholesale and retail trade .....	1,601	1,606	7.3	7.0	6.2	5.7	8.4	8.4
Wholesale trade .....	177	189	4.1	4.3	4.0	3.8	4.5	5.3
Retail trade .....	1,424	1,417	8.0	7.6	6.9	6.3	8.9	8.8
Finance, insurance, and real estate .....	207	283	3.1	4.0	2.7	3.3	3.4	4.4
Service industries .....	1,441	1,492	6.3	6.2	5.8	6.3	6.6	6.2
Professional services .....	612	580	4.9	4.5	3.7	4.3	5.4	4.6
Other service industries .....	829	912	7.8	8.3	7.2	7.8	8.4	8.8
Agricultural wage and salary workers .....	214	212	11.0	10.9	10.4	9.8	13.1	15.1
Government, self-employed, and unpaid family workers .....	898	766	3.4	2.9	2.9	2.5	4.0	3.3
No previous work experience .....	1,045	1,093	-	-	-	-	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	8,051	7,955	3,344	3,345	3,358	3,214	1,350	1,397	6,002	5,805	1,805	1,889
Job losers .....	3,906	3,624	2,253	2,213	1,356	1,192	297	219	2,959	2,699	851	823
On layoff .....	998	884	598	515	340	324	59	46	822	701	153	153
Other job losers .....	2,908	2,740	1,655	1,698	1,016	868	238	173	2,137	1,998	698	671
Job leavers .....	940	1,043	384	413	469	469	87	161	773	855	132	162
Reentrants .....	2,162	2,196	597	570	1,251	1,332	314	293	1,578	1,568	516	552
New entrants .....	1,043	1,093	109	148	281	221	652	724	692	683	306	351
<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 .....	48.5	45.5	67.4	66.2	40.4	37.1	22.0	15.7	49.3	46.5	47.2	43.6
On layoff .....	12.4	11.1	17.9	15.4	10.1	10.1	4.4	3.3	13.7	12.1	8.5	8.1
Other job losers .....	36.1	34.4	49.5	50.8	30.3	27.0	17.6	12.4	35.6	34.4	38.7	35.5
Job leavers .....	11.7	13.1	11.5	12.3	14.0	14.6	6.4	11.5	12.9	14.7	7.3	8.6
Reentrants .....	26.9	27.6	17.9	17.1	37.3	41.4	23.2	21.0	26.3	27.0	28.6	29.2
New entrants .....	13.0	13.7	3.3	4.4	8.4	6.9	48.3	51.9	11.5	11.8	17.0	18.6
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	3.4	3.0	3.7	3.6	2.9	2.5	3.4	2.4	2.9	2.6	6.8	6.4
Job leavers .....	.8	.9	.6	.7	1.0	1.0	1.0	1.8	.8	.8	1.0	1.3
Reentrants .....	1.9	1.8	1.0	.9	2.7	2.7	3.5	3.2	1.6	1.5	4.1	4.3
New entrants .....	.9	.9	.2	.2	.6	.5	7.3	7.9	.7	.7	2.4	2.8



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

(Percent distribution)

Reason, sex, and age	August 1986						
	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 .....	7,955	100.0	42.1	32.4	25.5	10.8	14.7
Job losers .....	3,624	100.0	34.4	30.7	34.9	15.3	19.7
On layoff .....	884	100.0	46.7	31.5	21.8	11.4	10.4
Other job losers .....	2,740	100.0	30.4	30.4	39.2	16.5	22.7
Job leavers .....	1,043	100.0	54.9	27.1	18.1	7.4	10.7
Reentrants .....	2,196	100.0	48.3	32.2	19.4	7.3	12.2
New entrants .....	1,093	100.0	42.9	43.4	13.7	6.5	7.2
Men, 20 years and over .....	3,345	100.0	35.1	31.0	33.8	12.4	21.4
Job losers .....	2,213	100.0	32.0	30.5	37.5	14.9	22.6
On layoff .....	515	100.0	46.5	30.6	22.8	11.3	11.5
Other job losers .....	1,698	100.0	27.6	30.5	42.0	16.0	26.0
Job leavers .....	413	100.0	45.0	29.5	25.5	9.3	16.2
Reentrants .....	570	100.0	40.0	33.1	26.9	6.6	20.3
New entrants .....	148	100.0	36.2	35.3	28.5	6.5	22.1
Women, 20 years and over .....	3,214	100.0	44.9	31.2	24.0	11.6	12.4
Job losers .....	1,192	100.0	33.0	33.1	33.9	17.3	16.6
On layoff .....	324	100.0	43.2	35.4	21.4	13.0	8.4
Other job losers .....	868	100.0	29.2	32.2	38.5	18.9	19.7
Job leavers .....	469	100.0	55.7	28.4	15.9	7.9	8.0
Reentrants .....	1,332	100.0	52.2	29.6	18.2	7.7	10.5
New entrants .....	221	100.0	41.4	36.4	22.3	12.4	9.9
Both sexes, 16 to 19 years .....	1,397	100.0	52.4	38.3	9.3	5.2	4.1
Job losers .....	219	100.0	66.3	19.1	14.6	8.3	6.4
On layoff .....	46	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	173	100.0	64.2	20.6	15.2	10.1	5.0
Job leavers .....	161	100.0	77.8	16.9	5.3	1.2	4.1
Reentrants .....	293	100.0	46.9	42.8	10.3	6.4	4.0
New entrants .....	724	100.0	44.8	47.1	8.1	4.7	3.4

<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	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
Total, 16 years and over .....	8,051	7,955	100.0	100.0	6,664	6,473	100.0	100.0
Less than 5 weeks .....	3,342	3,348	41.5	42.1	2,524	2,475	37.9	38.2
5 to 14 weeks .....	2,704	2,576	33.6	32.4	2,271	2,136	34.1	33.0
5 to 10 weeks .....	2,036	1,747	25.3	22.0	1,699	1,441	25.5	22.3
11 to 14 weeks .....	668	829	8.3	10.4	572	695	8.6	10.7
15 weeks and over .....	2,006	2,031	24.9	25.5	1,870	1,862	28.1	28.8
15 to 26 weeks .....	813	862	10.1	10.8	746	784	11.2	12.1
27 weeks and over .....	1,193	1,170	14.8	14.7	1,124	1,077	16.9	16.6
27 to 51 weeks .....	501	471	6.2	5.9	470	439	7.1	6.8
52 weeks and over .....	692	699	8.6	8.8	654	638	9.8	9.9
Average (mean) duration, in weeks .....	15.0	15.3			16.5	16.7		
Median duration, in weeks .....	7.1	7.1			7.9	8.2		

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	August 1986							Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
Total, 16 years and over .....	7,955	3,348	2,576	862	1,170	15.3	7.1	41.5	42.1	24.9	25.5
16 to 19 years .....	1,397	732	535	73	57	8.2	4.8	48.2	52.4	8.0	9.3
20 to 24 years .....	1,574	767	472	183	151	11.8	5.3	44.7	48.7	21.3	21.3
25 to 34 years .....	2,363	934	801	271	357	15.6	7.7	42.1	39.5	25.5	26.6
35 to 44 years .....	1,328	485	407	177	258	18.7	8.9	39.3	36.5	32.7	32.8
45 to 54 years .....	757	241	241	82	194	22.5	10.1	30.4	31.8	36.2	36.4
55 to 64 years .....	455	147	101	69	138	25.4	12.6	30.5	32.3	41.3	45.5
65 years and over .....	81	43	17	6	15	14.1	4.7	50.7	53.1	31.5	25.9
<b>Men, 16 years and over .....</b>	<b>4,097</b>	<b>1,558</b>	<b>1,329</b>	<b>451</b>	<b>760</b>	<b>17.8</b>	<b>8.3</b>	<b>36.3</b>	<b>38.0</b>	<b>30.5</b>	<b>29.6</b>
16 to 19 years .....	752	383	290	36	44	8.8	4.9	46.4	50.9	9.0	10.5
20 to 24 years .....	783	362	220	96	105	14.2	5.9	37.1	46.2	26.6	25.7
25 to 34 years .....	1,169	381	428	138	222	18.5	9.3	36.3	32.6	32.9	30.8
35 to 44 years .....	704	217	224	88	175	21.8	10.5	31.8	30.8	43.5	37.3
45 to 54 years .....	363	113	95	48	107	25.2	11.5	27.5	31.2	40.0	42.5
55 to 64 years .....	275	77	61	43	95	29.6	15.1	28.0	27.9	47.8	50.1
65 years and over .....	52	26	10	2	13	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Women, 16 years and over .....</b>	<b>3,858</b>	<b>1,791</b>	<b>1,247</b>	<b>411</b>	<b>410</b>	<b>12.6</b>	<b>6.0</b>	<b>46.9</b>	<b>46.4</b>	<b>19.1</b>	<b>21.3</b>
16 to 19 years .....	644	349	245	37	13	7.5	4.6	50.5	54.2	6.7	7.8
20 to 24 years .....	791	405	252	87	47	9.4	4.9	52.4	51.2	15.9	16.9
25 to 34 years .....	1,194	553	374	133	135	12.6	6.1	47.9	46.3	18.0	22.4
35 to 44 years .....	625	269	183	89	84	15.2	6.7	45.8	43.0	23.4	27.7
45 to 54 years .....	394	127	146	34	87	20.0	9.4	33.9	32.3	31.5	30.7
55 to 64 years .....	180	70	41	26	43	19.1	9.9	33.4	39.0	33.8	38.4
65 years and over .....	30	17	7	4	2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>White, 16 years and over .....</b>	<b>5,805</b>	<b>2,507</b>	<b>1,863</b>	<b>610</b>	<b>825</b>	<b>14.7</b>	<b>6.8</b>	<b>42.6</b>	<b>43.2</b>	<b>24.6</b>	<b>24.7</b>
Men .....	3,017	1,153	968	343	554	17.6	8.2	38.1	38.2	29.6	29.7
Women .....	2,788	1,354	895	267	271	11.7	5.4	47.5	48.6	19.2	19.3
<b>Black, 16 years and over .....</b>	<b>1,889</b>	<b>734</b>	<b>625</b>	<b>216</b>	<b>314</b>	<b>17.0</b>	<b>7.1</b>	<b>38.1</b>	<b>38.9</b>	<b>25.9</b>	<b>28.0</b>
Men .....	929	347	308	95	179	18.7	7.7	29.8	37.4	34.5	29.5
Women .....	960	387	318	121	135	15.4	6.7	45.4	40.3	18.3	26.6
<b>Men, 16 years and over:</b>											
Married, spouse present .....	1,548	482	461	233	373	21.1	10.6	30.9	31.1	39.2	39.1
Widowed, divorced, or separated .....	513	181	137	48	148	24.4	10.7	34.1	35.3	38.8	38.1
Single (never married) .....	2,036	895	732	171	239	13.6	6.4	40.8	43.9	22.0	20.1
<b>Women, 16 years and over:</b>											
Married, spouse present .....	1,602	792	468	194	148	11.3	5.2	49.8	49.5	18.7	21.3
Widowed, divorced, or separated .....	820	285	297	80	158	17.9	8.9	42.5	34.7	25.0	29.0
Single (never married) .....	1,437	714	482	137	104	11.0	5.1	46.4	49.7	15.8	16.8

<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	
	August 1986							Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
<b>OCCUPATION</b>											
Managerial and professional specialty .....	731	274	265	88	104	15.4	8.6	37.3	37.5	26.2	26.2
Technical, sales, and administrative support .....	1,742	757	578	220	187	13.0	6.6	46.3	43.5	21.9	23.4
Service occupations .....	1,335	625	382	113	214	14.7	5.8	45.1	46.8	23.3	24.6
Precision production, craft, and repair .....	892	307	295	105	184	18.9	9.5	38.8	34.5	34.3	32.4
Operators, fabricators, and laborers .....	1,874	752	499	252	370	18.8	8.0	37.9	40.2	30.9	33.2
Farming, forestry, and fishing .....	249	139	74	13	23	10.4	4.5	45.7	55.8	15.4	14.4
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	212	122	59	13	19	10.4	4.4	41.8	57.4	18.7	14.7
Construction .....	621	253	200	66	101	15.9	7.3	43.4	40.8	25.4	27.0
Manufacturing .....	1,479	535	419	202	322	19.6	9.4	36.4	36.2	35.6	35.5
Durable goods .....	904	327	245	116	216	20.9	10.0	35.0	36.2	37.9	36.8
Nondurable goods .....	576	208	175	86	106	17.5	8.5	38.8	36.2	31.8	33.5
Transportation and public utilities .....	334	141	100	40	53	15.8	7.5	40.4	42.2	28.6	27.8
Wholesale and retail trade .....	1,613	733	495	183	202	13.7	6.2	44.6	45.4	22.0	23.9
Finance and service industries .....	2,129	911	708	215	296	14.5	6.9	43.8	42.8	23.0	24.0
Public administration .....	158	68	41	24	24	17.0	8.5	35.9	43.3	26.3	30.5
No previous work experience .....	1,093	469	474	71	79	11.5	6.6	40.4	42.9	13.8	13.7

<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	August 1986								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	7,955	6,881	22.2	5.9	75.1	35.2	18.7	4.6	1.62
16 to 19 years .....	1,397	1,325	13.0	2.3	82.0	28.0	15.3	2.1	1.43
20 to 24 years .....	1,574	1,414	23.6	5.8	73.6	37.3	19.3	3.0	1.63
25 to 34 years .....	2,363	2,034	25.7	6.7	73.4	38.4	19.5	5.5	1.69
35 to 44 years .....	1,328	1,090	26.7	8.3	75.4	35.0	18.8	6.9	1.71
45 to 54 years .....	757	591	22.8	8.0	71.1	37.4	20.6	4.1	1.64
55 to 64 years .....	455	362	16.9	5.2	72.1	34.0	21.3	8.3	1.58
65 years and over .....	81	64	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Men, 16 years and over .....	4,097	3,466	24.7	6.5	76.4	33.2	22.1	5.8	1.69
16 to 19 years .....	752	710	12.3	3.2	82.1	24.9	15.8	2.0	1.40
20 to 24 years .....	783	684	24.3	3.8	75.6	31.3	24.3	3.8	1.63
25 to 34 years .....	1,169	965	32.4	8.0	73.3	41.2	23.3	6.3	1.85
35 to 44 years .....	704	566	31.1	10.1	76.3	32.2	22.8	9.2	1.82
45 to 54 years .....	363	275	26.9	10.2	74.9	33.5	25.8	6.9	1.78
55 to 64 years .....	275	220	15.5	5.9	75.9	33.2	23.2	11.4	1.65
65 years and over .....	52	46	( <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 .....	3,858	3,414	19.6	5.3	73.9	37.2	15.3	3.4	1.55
16 to 19 years .....	644	615	13.8	1.1	82.0	31.5	14.8	2.1	1.45
20 to 24 years .....	791	730	22.9	7.7	71.8	42.9	14.7	2.3	1.62
25 to 34 years .....	1,194	1,069	19.6	5.7	73.5	35.9	16.0	4.8	1.56
35 to 44 years .....	625	524	21.9	6.3	74.4	38.2	14.5	4.4	1.60
45 to 54 years .....	394	316	19.3	6.0	67.7	40.5	15.8	1.3	1.51
55 to 64 years .....	180	142	19.7	4.2	66.2	35.2	18.3	3.5	1.47
65 years and over .....	30	18	( <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 .....	5,805	4,940	20.1	6.1	75.4	37.0	18.7	4.9	1.62
Men .....	3,017	2,514	22.8	6.6	76.5	35.3	22.4	6.2	1.70
Women .....	2,788	2,426	17.3	5.5	74.3	38.8	14.8	3.5	1.54
Black, 16 years and over .....	1,889	1,717	27.4	5.8	75.0	30.3	18.8	3.7	1.61
Men .....	929	819	29.3	6.6	76.9	28.0	21.1	4.4	1.66
Women .....	960	898	25.7	5.2	73.2	32.4	16.7	3.1	1.56

<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	August 1986								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	7,955	6,881	22.2	5.9	75.1	35.2	18.7	4.6	1.62
Job losers <sup>1</sup> .....	3,624	2,758	28.1	6.4	78.1	36.2	23.1	4.5	1.76
Job leavers .....	1,043	1,031	22.5	7.7	75.8	40.3	15.3	3.9	1.65
Reentrants .....	2,196	2,010	16.5	5.7	70.3	34.4	14.3	6.4	1.48
New entrants .....	1,093	1,082	17.2	3.3	76.1	29.1	19.4	2.2	1.47
Men, 16 years and over .....	4,097	3,466	24.7	6.5	76.4	33.2	22.1	5.8	1.69
Job losers <sup>1</sup> .....	2,345	1,823	30.3	6.8	78.4	34.2	25.0	5.5	1.80
Job leavers .....	504	484	22.1	7.4	75.4	40.9	17.6	4.5	1.68
Reentrants .....	722	639	17.2	6.6	70.3	28.3	17.2	10.6	1.50
New entrants .....	525	522	16.7	4.6	77.2	28.2	22.2	2.1	1.51
Women, 16 years and over .....	3,858	3,414	19.6	5.3	73.9	37.2	15.3	3.4	1.55
Job losers <sup>1</sup> .....	1,278	936	23.9	5.7	77.2	40.1	19.2	2.6	1.69
Job leavers .....	538	547	22.7	8.0	76.1	39.7	13.3	3.3	1.63
Reentrants .....	1,474	1,371	16.1	5.3	70.3	37.1	12.8	4.4	1.46
New entrants .....	568	560	17.7	2.1	75.2	30.0	16.8	2.3	1.44

<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.

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

(In thousands)

Industry and age	Total		Men		Women	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
All industries .....	108,628	111,515	61,403	62,372	47,225	49,143
16 to 19 years .....	7,590	7,732	3,987	4,028	3,603	3,704
16 to 17 years .....	3,196	3,274	1,698	1,714	1,499	1,560
18 to 19 years .....	4,394	4,458	2,290	2,314	2,104	2,144
20 to 24 years .....	14,487	14,310	7,744	7,613	6,742	6,698
25 to 54 years .....	72,341	75,095	41,164	42,361	31,177	32,733
25 to 34 years .....	31,222	32,329	17,757	18,332	13,465	13,998
35 to 44 years .....	24,634	25,898	13,957	14,423	10,677	11,475
45 to 54 years .....	16,486	16,868	9,451	9,607	7,035	7,261
55 to 64 years .....	11,469	11,490	6,805	6,658	4,664	4,832
55 to 59 years .....	6,913	6,922	4,103	3,989	2,810	2,934
60 to 64 years .....	4,556	4,568	2,703	2,669	1,853	1,899
65 years and over .....	2,741	2,888	1,701	1,712	1,039	1,175
Agriculture .....	3,512	3,440	2,797	2,674	715	766
16 to 19 years .....	438	383	375	319	63	64
16 to 17 years .....	236	208	205	168	31	40
18 to 19 years .....	202	175	170	151	32	24
20 to 24 years .....	458	440	379	363	79	78
25 to 54 years .....	1,887	1,847	1,431	1,369	455	478
25 to 34 years .....	793	810	615	621	177	189
35 to 44 years .....	606	561	448	399	157	162
45 to 54 years .....	488	476	368	349	121	127
55 to 64 years .....	460	469	370	362	90	107
55 to 59 years .....	238	265	181	198	57	67
60 to 64 years .....	222	204	190	165	32	40
65 years and over .....	269	300	241	261	28	39
Nonagricultural industries .....	105,116	108,075	58,606	59,698	46,510	48,377
16 to 19 years .....	7,152	7,349	3,612	3,709	3,540	3,640
16 to 17 years .....	2,960	3,066	1,493	1,546	1,467	1,520
18 to 19 years .....	4,192	4,283	2,119	2,163	2,072	2,119
20 to 24 years .....	14,029	13,870	7,365	7,250	6,663	6,620
25 to 54 years .....	70,455	73,249	39,733	40,992	30,722	32,256
25 to 34 years .....	30,429	31,520	17,142	17,711	13,287	13,809
35 to 44 years .....	24,028	25,336	13,508	14,024	10,520	11,312
45 to 54 years .....	15,998	16,392	9,083	9,258	6,915	7,134
55 to 64 years .....	11,009	11,021	6,435	6,295	4,574	4,725
55 to 59 years .....	6,675	6,657	3,922	3,791	2,753	2,866
60 to 64 years .....	4,334	4,363	2,513	2,505	1,821	1,859
65 years and over .....	2,472	2,587	1,460	1,451	1,011	1,136

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
Total .....	108,628	111,515	61,403	62,372	57,416	58,344	47,225	49,143	43,622	45,439
Managerial and professional specialty .....	25,349	26,183	14,682	14,924	14,586	14,841	10,666	11,259	10,535	11,127
Executive, administrative, and managerial .....	12,218	12,753	7,842	7,989	7,811	7,948	4,376	4,763	4,334	4,719
Officials and administrators, public administration .....	518	578	280	317	280	317	238	262	237	261
Other executive, administrative, and managerial .....	8,354	8,852	5,704	5,918	5,675	5,879	2,650	2,934	2,616	2,897
Management-related occupations .....	3,345	3,322	1,857	1,755	1,855	1,752	1,488	1,567	1,480	1,561
Professional specialty .....	13,131	13,431	6,841	6,935	6,775	6,893	6,290	6,496	6,202	6,407
Engineers .....	1,688	1,812	1,578	1,723	1,575	1,722	110	88	109	88
Mathematical and computer scientists .....	627	656	426	406	423	404	200	250	200	248
Natural scientists .....	387	401	313	306	313	306	74	95	74	94
Health diagnosing occupations .....	717	724	603	622	602	621	114	102	114	99
Health assessment and treating occupations .....	2,006	2,005	273	274	270	274	1,732	1,731	1,725	1,729
Teachers, college and university .....	528	500	337	317	338	317	191	183	191	180
Teachers, except college and university .....	2,986	3,001	825	801	816	793	2,161	2,200	2,136	2,178
Lawyers and judges .....	668	645	546	528	547	526	122	116	122	116
Other professional specialty occupations .....	3,525	3,688	1,940	1,958	1,891	1,930	1,585	1,730	1,530	1,674
Technical, sales, and administrative support .....	33,453	34,784	11,862	12,258	11,276	11,577	21,591	22,526	19,851	20,687
Technicians and related support .....	3,424	3,387	1,825	1,748	1,793	1,706	1,599	1,639	1,579	1,611
Health technologists and technicians .....	1,197	1,135	200	184	198	180	997	951	990	943
Engineering and science technicians .....	1,181	1,155	928	923	903	899	253	232	248	224
Technicians, except health, engineering, and science .....	1,046	1,097	697	641	692	628	349	456	341	444
Sales occupations .....	12,698	13,446	6,538	6,968	6,193	6,554	6,161	6,477	5,198	5,451
Supervisors and proprietors .....	3,382	3,548	2,359	2,459	2,327	2,436	1,023	1,089	995	1,075
Sales representatives, finance and business services .....	2,172	2,268	1,239	1,308	1,232	1,298	933	961	906	925
Sales representatives, commodities, except retail .....	1,460	1,551	1,171	1,246	1,161	1,236	290	305	281	294
Sales workers, retail and personal services .....	5,624	6,016	1,752	1,939	1,458	1,569	3,871	4,077	2,975	3,122
Sales-related occupations .....	61	61	16	16	15	15	44	45	40	35
Administrative support, including clerical .....	17,330	17,952	3,499	3,542	3,290	3,317	13,831	14,410	13,074	13,625
Supervisors .....	715	750	331	316	331	316	384	434	382	428
Computer equipment operators .....	808	902	276	301	264	282	532	601	490	552
Secretaries, stenographers, and typists .....	5,101	5,041	146	104	136	94	4,954	4,937	4,742	4,697
Financial records processing .....	2,434	2,493	246	223	233	218	2,188	2,271	2,134	2,227
Mail and message distributing .....	759	908	519	586	489	564	240	323	222	310
Other administrative support, including clerical .....	7,513	7,857	1,980	2,012	1,837	1,844	5,533	5,845	5,103	5,411
Service occupations .....	14,658	14,935	5,783	5,853	4,828	4,780	8,875	9,081	7,506	7,724
Private household .....	1,059	1,007	47	50	29	34	1,012	957	784	738
Protective service .....	1,793	1,829	1,519	1,594	1,467	1,515	274	235	201	189
Service, except private household and protective .....	11,806	12,098	4,217	4,209	3,332	3,231	7,589	7,889	6,522	6,796
Food service .....	5,131	5,196	1,900	1,950	1,304	1,275	3,231	3,246	2,466	2,487
Health service .....	1,827	1,845	183	179	168	173	1,644	1,666	1,539	1,560
Cleaning and building service .....	2,871	2,935	1,725	1,666	1,517	1,433	1,146	1,270	1,080	1,187
Personal service .....	1,977	2,121	409	414	343	350	1,568	1,707	1,436	1,563
Precision production, craft, and repair .....	13,909	13,903	12,706	12,682	12,239	12,262	1,204	1,221	1,162	1,163
Mechanics and repairers .....	4,670	4,444	4,499	4,289	4,347	4,150	172	155	170	152
Construction trades .....	5,077	5,329	4,949	5,209	4,697	4,978	128	120	120	112
Other precision production, craft, and repair .....	4,162	4,130	3,258	3,184	3,195	3,133	904	946	871	898
Operators, fabricators, and laborers .....	17,225	17,809	13,000	13,414	11,685	12,115	4,224	4,396	3,998	4,159
Machine operators, assemblers, and inspectors .....	7,954	8,155	4,742	4,855	4,503	4,652	3,212	3,300	3,081	3,175
Manufacturing industries .....	6,661	6,744	3,903	3,982	3,720	3,847	2,758	2,763	2,661	2,671
Durable goods .....	3,552	3,734	2,476	2,605	2,367	2,529	1,076	1,130	1,046	1,097
Nondurable goods .....	3,109	3,010	1,427	1,377	1,353	1,318	1,681	1,633	1,616	1,574
Nonmanufacturing industries .....	1,294	1,411	839	873	783	805	455	537	420	505
Transportation and material moving occupations .....	4,517	4,579	4,226	4,230	4,080	4,078	291	350	277	337
Motor vehicle operators .....	3,220	3,342	2,962	3,024	2,844	2,902	258	318	244	305
Other transportation and material moving occupations .....	1,296	1,237	1,263	1,206	1,236	1,176	33	32	33	32
Handlers, equipment cleaners, helpers, and laborers .....	4,753	5,075	4,032	4,329	3,101	3,385	721	746	640	647
Construction laborers .....	870	912	843	883	719	734	27	30	22	26
Other handlers, equipment cleaners, helpers, and laborers .....	3,883	4,162	3,189	3,446	2,383	2,652	694	716	618	621
Farming, forestry, and fishing .....	4,035	3,901	3,370	3,241	2,803	2,770	665	660	570	580
Farm operators and managers .....	1,449	1,394	1,238	1,162	1,223	1,148	211	232	208	227
Other farming, forestry, and fishing occupations .....	2,586	2,507	2,132	2,080	1,580	1,621	454	428	363	353

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	108,628	111,515	61,403	62,372	47,225	49,143
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	23.3	23.5	23.9	23.9	22.6	22.9
Executive, administrative, and managerial .....	11.2	11.4	12.8	12.8	9.3	9.7
Professional specialty .....	12.1	12.0	11.1	11.1	13.3	13.2
Technical, sales, and administrative support .....	30.8	31.2	19.3	19.7	45.7	45.8
Technicians and related support .....	3.2	3.0	3.0	2.8	3.4	3.3
Sales occupations .....	11.7	12.1	10.6	11.2	13.0	13.2
Administrative support, including clerical .....	16.0	16.1	5.7	5.7	29.3	29.3
Service occupations .....	13.5	13.4	9.4	9.4	18.8	18.5
Private household .....	1.0	.9	.1	.1	2.1	1.9
Protective service .....	1.7	1.6	2.5	2.6	.6	.5
Service, except private household and protective .....	10.9	10.8	6.9	6.7	16.1	16.1
Precision production, craft, and repair .....	12.8	12.5	20.7	20.3	2.5	2.5
Operators, fabricators, and laborers .....	15.9	16.0	21.2	21.5	8.9	8.9
Machine operators, assemblers, and inspectors .....	7.3	7.3	7.7	7.8	6.8	6.7
Transportation and material moving occupations .....	4.2	4.1	6.9	6.8	.6	.7
Handlers, equipment cleaners, helpers, and laborers .....	4.4	4.6	6.6	6.9	1.5	1.5
Farming, forestry, and fishing .....	3.7	3.5	5.5	5.2	1.4	1.3
<b>White</b>						
Total, 16 years and over (thousands) .....	94,864	97,410	54,246	55,107	40,619	42,303
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	24.3	24.5	24.9	25.0	23.4	23.9
Executive, administrative, and managerial .....	11.8	12.1	13.3	13.6	9.7	10.2
Professional specialty .....	12.5	12.3	11.6	11.3	13.7	13.7
Technical, sales, and administrative support .....	31.3	31.7	19.7	20.0	46.9	47.0
Technicians and related support .....	3.1	3.1	3.0	2.9	3.3	3.3
Sales occupations .....	12.3	12.7	11.3	11.8	13.7	13.8
Administrative support, including clerical .....	15.9	16.0	5.4	5.4	29.9	29.9
Service occupations .....	12.2	12.2	6.4	6.4	17.4	17.2
Private household .....	.8	.8	.1	.1	1.8	1.6
Protective service .....	1.6	1.6	2.3	2.4	.5	.5
Service, except private household and protective .....	9.9	9.9	5.9	5.9	15.1	15.1
Precision production, craft, and repair .....	13.3	12.9	21.5	20.9	2.5	2.4
Operators, fabricators, and laborers .....	15.1	15.0	20.1	20.3	8.3	8.1
Machine operators, assemblers, and inspectors .....	6.9	6.8	7.4	7.4	6.3	6.0
Transportation and material moving occupations .....	4.0	4.0	6.6	6.5	.6	.7
Handlers, equipment cleaners, helpers, and laborers .....	4.1	4.2	6.1	6.4	1.4	1.4
Farming, forestry, and fishing .....	3.8	3.7	5.5	5.4	1.5	1.4
<b>Black</b>						
Total, 16 years and over (thousands) .....	10,788	10,878	5,542	5,519	5,246	5,359
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	14.1	14.0	12.6	12.5	15.7	15.6
Executive, administrative, and managerial .....	6.7	5.5	7.3	5.4	6.0	5.7
Professional specialty .....	7.4	8.5	5.3	7.1	9.7	9.9
Technical, sales, and administrative support .....	25.9	26.6	15.1	15.4	37.3	38.2
Technicians and related support .....	3.0	2.4	2.3	1.7	3.7	3.1
Sales occupations .....	6.2	7.1	4.6	5.5	8.0	8.8
Administrative support, including clerical .....	16.7	17.1	8.2	8.2	25.6	26.3
Service occupations .....	23.8	23.1	18.4	17.6	29.5	28.8
Private household .....	2.6	2.2	.2	.1	5.2	4.5
Protective service .....	2.4	2.4	3.9	4.2	.9	.7
Service, except private household and protective .....	18.8	18.5	14.4	13.4	23.4	23.7
Precision production, craft, and repair .....	9.1	9.5	15.0	16.1	2.9	2.7
Operators, fabricators, and laborers .....	23.6	24.3	33.0	34.3	13.6	14.0
Machine operators, assemblers, and inspectors .....	10.8	11.1	11.1	11.2	10.4	11.1
Transportation and material moving occupations .....	5.7	5.9	10.5	10.7	.6	.9
Handlers, equipment cleaners, helpers, and laborers .....	7.1	7.3	11.4	12.4	2.6	2.0
Farming, forestry, and fishing .....	3.5	2.3	5.9	4.0	1.0	.6

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	August 1986								
	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 .....	99,672	1,357	15,820	82,496	8,126	277	1,727	1,496	217
16 to 19 years .....	7,242	337	488	6,416	73	35	288	41	55
16 to 17 years .....	3,032	220	218	2,596	18	16	151	27	30
18 to 19 years .....	4,209	117	272	3,821	55	18	137	14	24
20 to 24 years .....	13,533	150	1,151	12,231	318	20	349	64	27
25 to 34 years .....	29,498	231	4,130	25,138	1,974	47	484	297	29
35 to 44 years .....	22,945	192	4,702	18,051	2,316	75	260	275	27
45 to 54 years .....	14,708	197	3,034	11,478	1,638	46	180	272	24
55 to 64 years .....	9,664	148	2,000	7,537	1,293	43	116	327	27
55 to 59 years .....	5,887	85	1,259	4,543	741	29	66	181	18
60 to 64 years .....	3,797	63	741	2,993	552	14	50	145	8
65 years and over .....	2,062	102	315	1,645	514	12	50	221	29
Men, 16 years and over .....	54,147	251	7,643	46,253	5,503	49	1,361	1,236	78
16 to 19 years .....	3,633	112	253	3,289	50	26	246	34	39
16 to 17 years .....	1,522	84	112	1,326	11	13	120	26	22
18 to 19 years .....	2,111	27	140	1,943	40	13	125	9	17
20 to 24 years .....	7,020	30	517	6,473	221	9	288	56	19
25 to 34 years .....	16,406	42	1,961	14,403	1,300	5	379	241	1
35 to 44 years .....	12,492	25	2,255	10,212	1,532	-	173	225	1
45 to 54 years .....	8,118	12	1,545	6,561	1,139	2	142	207	-
55 to 64 years .....	5,382	14	980	4,388	910	4	90	272	-
55 to 59 years .....	3,266	7	829	2,830	524	1	51	146	-
60 to 64 years .....	2,116	7	351	1,758	386	3	39	126	-
65 years and over .....	1,095	16	132	947	352	4	43	201	17
Women, 16 years and over .....	45,526	1,106	8,177	36,243	2,623	228	366	260	140
16 to 19 years .....	3,608	225	235	3,148	22	9	42	8	16
16 to 17 years .....	1,510	136	103	1,270	7	3	31	1	8
18 to 19 years .....	2,098	89	132	1,877	15	6	12	5	8
20 to 24 years .....	6,512	120	634	5,759	97	11	61	8	8
25 to 34 years .....	13,092	189	2,169	10,734	675	42	105	56	28
35 to 44 years .....	10,453	167	2,448	7,839	784	75	87	50	26
45 to 54 years .....	6,591	185	1,489	4,916	499	45	38	85	24
55 to 64 years .....	4,302	133	1,020	3,149	384	39	26	54	26
55 to 59 years .....	2,621	78	630	1,913	217	28	15	35	18
60 to 64 years .....	1,681	58	390	1,235	166	11	12	20	9
65 years and over .....	967	86	182	698	162	8	7	20	12



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

(In thousands)

Industry	August 1986												
	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 .....	3,440	70	56	41	14	104	-	19	48	12	33	26	3,018
Mining .....	860	135	99	40	17	126	-	10	248	21	119	43	4
Construction .....	7,845	827	127	70	66	424	-	28	4,582	101	533	1,067	20
Manufacturing .....	21,312	2,274	1,750	751	725	2,547	-	370	4,015	6,744	836	1,201	99
Durable goods .....	12,782	1,391	1,200	545	293	1,469	-	191	2,860	3,734	430	584	85
Nondurable goods .....	8,530	883	550	207	432	1,078	-	179	1,155	3,010	406	617	14
Transportation and public utilities .....	7,686	879	486	198	320	2,053	-	213	1,262	120	1,625	509	23
Wholesale and retail trade .....	23,426	1,854	412	102	9,715	2,356	-	4,346	1,620	312	925	1,760	25
Wholesale trade .....	4,601	513	83	43	1,787	847	-	34	363	129	477	320	4
Retail trade .....	18,824	1,341	329	58	7,928	1,508	-	4,312	1,258	182	448	1,439	21
Finance, insurance, and real estate .....	7,522	1,784	170	149	1,804	3,083	-	292	132	4	16	14	74
Services .....	34,211	3,821	9,625	1,782	768	5,824	1,007	7,454	1,770	781	430	401	547
Private households .....	1,365	4	17	7	-	12	1,007	109	24	-	5	27	153
Other service industries .....	32,846	3,817	9,608	1,775	768	5,812	-	7,346	1,746	780	425	374	394
Professional services .....	21,269	2,053	8,455	1,437	126	4,224	-	3,949	371	216	198	94	148
Public administration .....	5,213	1,110	705	254	18	1,434	-	1,196	228	59	63	55	91

<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					
	Aug. 1985	Aug. 1986	Total		Wage and salary workers <sup>1</sup>			
			Aug. 1985	Aug. 1986	Paid absences		Unpaid absences	
					Aug. 1985	Aug. 1986	Aug. 1985	Aug. 1986
Total, 16 years and over .....	11,156	11,433	10,982	11,257	6,229	6,223	3,919	4,271
Vacation .....	8,812	8,989	8,718	8,874	5,481	5,545	2,722	2,824
Illness .....	1,302	1,193	1,274	1,170	527	441	634	648
Bad weather .....	32	50	19	33	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	59	101	59	101	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	950	1,101	913	1,079	222	237	563	799
Men, 16 years and over .....	5,077	5,074	4,941	4,931	3,257	3,130	1,272	1,385
Vacation .....	3,937	3,897	3,867	3,805	2,867	2,799	749	744
Illness .....	700	616	680	598	290	232	340	315
All other reasons <sup>3</sup> .....	439	562	394	529	99	99	184	326
Women, 16 years and over .....	6,079	6,359	6,041	6,326	2,973	3,094	2,647	2,887
Vacation .....	4,875	5,092	4,850	5,069	2,613	2,746	1,973	2,079
Illness .....	602	577	594	573	237	210	294	334
All other reasons <sup>3</sup> .....	603	689	597	684	123	138	380	474

<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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Hours of work	August 1986					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	100,082	3,264	96,818	100.0	100.0	100.0
1 to 34 hours .....	22,403	839	21,566	22.4	25.7	22.3
1 to 4 hours .....	737	41	696	.7	1.3	.7
5 to 14 hours .....	3,327	185	3,143	3.3	5.7	3.2
15 to 29 hours .....	11,238	403	10,836	11.2	12.3	11.2
30 to 34 hours .....	7,101	210	6,891	7.1	6.4	7.1
35 hours and over .....	77,679	2,426	75,252	77.6	74.3	77.7
35 to 39 hours .....	6,861	181	6,680	6.9	5.5	6.9
40 hours .....	41,936	675	41,261	41.9	20.7	42.6
41 hours and over .....	28,882	1,570	27,311	28.9	48.1	28.2
41 to 48 hours .....	10,447	246	10,200	10.4	7.5	10.5
49 to 59 hours .....	10,115	409	9,706	10.1	12.5	10.0
60 hours and over .....	8,320	915	7,405	8.3	28.0	7.6
Average hours, total at work .....	39.8	45.7	39.5	-	-	-
Average hours, workers on full-time schedules .....	43.6	52.5	43.3	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	August 1986					
	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 .....	22,403	7,168	15,236	21,566	6,888	14,678
Economic reasons .....	5,927	1,727	4,200	5,669	1,636	4,033
Slack work .....	2,331	1,330	1,001	2,192	1,255	937
Material shortages or repairs to plant and equipment .....	52	52	-	52	52	-
New job started during week .....	232	232	-	220	220	-
Job terminated during week .....	113	113	-	108	108	-
Could find only part-time work .....	3,199	-	3,199	3,096	-	3,096
Other reasons .....	16,476	5,440	11,036	15,897	5,252	10,645
Does not want, or unavailable for, full-time work .....	8,867	-	8,867	8,567	-	8,567
Vacation .....	2,268	2,268	-	2,224	2,224	-
Illness .....	1,348	1,201	147	1,314	1,176	138
Bad weather .....	330	330	-	264	264	-
Industrial dispute .....	14	14	-	14	14	-
Legal or religious holiday .....	123	123	-	123	123	-
Full time for this job .....	1,419	-	1,419	1,399	-	1,399
All other reasons .....	2,109	1,505	604	1,993	1,451	542
Average hours:						
Economic reasons .....	21.9	24.3	20.9	22.0	24.5	21.0
Other reasons .....	22.1	25.7	20.3	22.2	25.8	20.4
Worked 30 to 34 hours:						
Economic reasons .....	1,844	802	1,042	1,775	776	999
Other reasons .....	5,257	2,759	2,498	5,116	2,678	2,438

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	August 1986								
	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 .....	96,818	5,669	10,645	80,504	53,193	10,200	17,111	39.5	43.3
Wage and salary workers .....	89,114	5,084	9,377	74,653	50,587	9,605	14,461	39.4	42.9
Mining .....	761	34	12	715	412	118	185	44.3	45.9
Construction .....	5,986	385	238	5,363	3,610	603	1,150	40.8	43.1
Manufacturing .....	19,312	550	486	18,276	12,225	2,805	3,246	41.8	42.9
Durable goods .....	11,506	223	203	11,080	7,376	1,709	1,995	42.3	43.0
Nondurable goods .....	7,806	328	283	7,195	4,848	1,096	1,251	41.1	42.7
Transportation and public utilities .....	6,737	218	282	6,237	4,097	870	1,270	42.0	43.7
Wholesale and retail trade .....	19,884	1,964	3,607	14,313	8,802	2,102	3,409	37.6	43.7
Finance, insurance, and real estate .....	6,424	141	526	5,757	4,134	652	971	39.9	42.0
Service industries .....	25,279	1,721	4,024	19,534	13,928	2,052	3,554	37.3	42.3
Private households .....	1,296	308	496	492	326	64	102	26.0	44.1
All other industries .....	23,983	1,413	3,528	19,042	13,602	1,988	3,452	37.9	42.3
Public administration .....	4,730	72	201	4,457	3,378	404	675	41.0	42.1
Self-employed workers .....	7,428	576	1,158	5,694	2,510	585	2,599	41.7	48.7
Unpaid family workers .....	277	8	111	158	98	10	50	35.6	45.7

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	August 1986							
	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 .....	96,818	5,669	10,645	80,504	53,193	27,311	39.5	43.3
16 to 19 years .....	6,946	1,347	2,286	3,313	2,614	699	30.2	40.8
16 to 17 years .....	2,858	592	1,415	851	714	137	25.4	39.8
18 to 19 years .....	4,089	756	870	2,463	1,902	561	33.6	41.1
20 years and over .....	89,872	4,321	8,360	77,191	50,578	26,613	40.3	43.4
20 to 24 years .....	13,138	1,031	1,320	10,787	7,493	3,294	38.9	42.5
25 years and over .....	76,733	3,292	7,040	66,401	43,083	23,318	40.5	43.5
25 to 44 years .....	50,761	2,212	3,769	44,780	28,480	16,300	41.1	43.7
45 to 64 years .....	23,726	974	2,188	20,564	13,884	6,680	40.3	43.3
65 years and over .....	2,246	105	1,083	1,058	720	338	29.3	43.0
<b>Men, 16 years and over</b> .....	54,767	2,602	3,026	49,139	29,193	19,946	42.3	44.7
16 to 19 years .....	3,513	665	1,021	1,827	1,390	437	31.5	41.5
16 to 17 years .....	1,436	312	643	481	386	95	26.8	40.9
18 to 19 years .....	2,077	354	377	1,346	1,004	342	34.8	41.7
20 years and over .....	51,254	1,937	2,006	47,311	27,800	19,511	43.1	44.9
20 to 24 years .....	6,935	493	450	5,992	3,842	2,150	40.7	43.5
25 years and over .....	44,318	1,443	1,556	41,319	23,958	17,361	43.4	45.0
25 to 44 years .....	29,158	987	493	27,678	15,607	12,071	44.1	45.3
45 to 64 years .....	13,878	402	503	12,973	7,928	5,045	43.1	44.7
65 years and over .....	1,283	54	561	668	423	245	30.9	43.6
<b>Women, 16 years and over</b> .....	42,051	3,066	7,619	31,366	24,001	7,365	35.9	41.1
16 to 19 years .....	3,433	681	1,265	1,487	1,225	262	28.9	39.8
16 to 17 years .....	1,421	280	772	369	326	43	24.1	38.4
18 to 19 years .....	2,012	401	493	1,118	899	219	32.3	40.3
20 years and over .....	38,618	2,386	6,354	29,878	22,776	7,102	36.5	41.1
20 to 24 years .....	6,204	538	870	4,796	3,652	1,144	36.8	41.2
25 years and over .....	32,414	1,847	5,483	25,084	19,125	5,959	36.5	41.2
25 to 44 years .....	21,603	1,224	3,277	17,102	12,874	4,228	37.0	41.2
45 to 64 years .....	9,848	573	1,685	7,590	5,955	1,635	36.3	40.9
65 years and over .....	964	50	522	392	297	95	27.2	42.0
<b>RACE</b>								
White, 16 years and over .....	84,404	4,536	9,718	70,150	45,123	25,027	39.7	43.5
Men .....	48,261	2,085	2,697	43,479	25,074	18,405	42.6	45.0
Women .....	36,144	2,451	7,021	26,672	20,050	6,622	35.8	41.1
Black, 16 years and over .....	9,505	995	653	7,857	6,225	1,632	38.1	41.6
Men .....	4,906	455	233	4,218	3,125	1,093	39.6	42.6
Women .....	4,599	540	420	3,639	3,100	539	36.4	40.4
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	34,774	923	1,112	32,739	18,541	14,198	43.8	45.2
Widowed, divorced, or separated .....	5,095	236	207	4,652	2,761	1,891	42.9	45.0
Single (never married) .....	14,899	1,442	1,708	11,749	7,891	3,858	38.7	43.3
Women, 16 years and over:								
Married, spouse present .....	22,150	1,232	4,662	16,256	12,738	3,518	35.3	40.7
Widowed, divorced, or separated .....	8,173	612	883	6,678	4,920	1,758	37.9	41.7
Single (never married) .....	11,728	1,223	2,074	8,431	6,342	2,089	35.6	41.3

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	August 1986								
	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 <sup>1</sup> .....	96,373	5,597	10,516	80,259	52,956	10,203	17,100	39.6	43.3
Managerial and professional specialty .....	21,817	433	1,588	19,796	11,487	2,341	5,968	42.4	44.7
Executive, administrative, and managerial .....	11,737	151	511	11,075	5,942	1,393	3,740	44.4	45.8
Professional specialty .....	10,079	282	1,076	8,721	5,545	948	2,228	40.1	43.3
Technical, sales, and administrative support .....	31,728	1,508	4,685	25,535	17,813	3,232	4,491	38.3	42.5
Technicians and related support .....	3,096	64	303	2,729	1,961	385	383	39.7	42.0
Sales occupations .....	12,398	864	2,216	9,317	4,951	1,425	2,942	39.5	45.5
Administrative support, including clerical .....	16,234	580	2,166	13,489	10,901	1,422	1,166	37.2	40.5
Service occupations .....	13,584	1,811	2,904	8,869	6,498	880	1,491	34.9	42.5
Private household .....	958	220	363	374	265	45	65	26.4	42.2
Protective service .....	1,676	72	114	1,490	900	221	369	42.9	45.5
Service, except private household and protective .....	10,951	1,519	2,427	7,005	5,334	614	1,057	34.4	41.9
Precision production, craft, and repair .....	12,890	652	400	11,838	7,552	1,726	2,561	41.8	43.5
Operators, fabricators, and laborers .....	16,354	1,194	940	14,220	9,606	2,025	2,589	40.4	43.1
Machine operators, assemblers, and inspectors .....	7,481	413	231	6,837	4,971	1,034	832	40.4	41.9
Transportation and material moving occupations .....	4,109	238	193	3,677	1,973	539	1,165	43.5	46.2
Handlers, equipment cleaners, helpers, and laborers .....	4,765	542	516	3,706	2,662	451	593	37.8	42.3
Men, 16 years and over <sup>1</sup> .....	54,226	2,525	2,879	48,822	28,928	6,602	13,292	42.4	44.7
Managerial and professional specialty .....	13,174	201	494	12,479	6,412	1,477	4,589	44.9	46.3
Executive, administrative, and managerial .....	7,367	87	196	7,084	3,305	897	2,882	46.2	47.3
Professional specialty .....	5,807	114	298	5,395	3,107	581	1,707	43.3	45.0
Technical, sales, and administrative support .....	11,375	337	760	10,278	5,690	1,485	3,103	43.0	45.3
Technicians and related support .....	1,612	17	54	1,541	1,060	207	274	41.9	42.8
Sales occupations .....	6,491	207	484	5,800	2,540	898	2,363	44.7	47.6
Administrative support, including clerical .....	3,272	113	222	2,937	2,090	380	466	40.1	42.3
Service occupations .....	5,441	565	724	4,152	2,875	442	834	38.4	43.6
Private household .....	48	9	13	26	16	10	-	( <sup>2</sup> )	( <sup>2</sup> )
Protective service .....	1,477	58	93	1,327	784	197	346	43.5	45.9
Service, except private household and protective .....	3,916	499	618	2,799	2,076	235	489	36.6	42.6
Precision production, craft, and repair .....	11,783	584	282	10,917	6,879	1,605	2,434	42.2	43.7
Operators, fabricators, and laborers .....	12,454	838	619	10,997	7,072	1,594	2,331	41.3	43.9
Machine operators, assemblers, and inspectors .....	4,485	163	79	4,243	2,894	707	642	41.8	42.8
Transportation and material moving occupations .....	3,869	214	130	3,525	1,875	508	1,143	44.2	46.5
Handlers, equipment cleaners, helpers, and laborers .....	4,100	461	410	3,229	2,303	379	547	38.1	42.4
Women, 16 years and over <sup>1</sup> .....	42,147	3,072	7,637	31,437	24,028	3,601	3,808	35.9	41.1
Managerial and professional specialty .....	8,643	232	1,094	7,317	5,075	864	1,378	38.6	41.9
Executive, administrative, and managerial .....	4,371	64	315	3,991	2,637	497	858	41.3	43.1
Professional specialty .....	4,272	168	779	3,326	2,438	367	521	35.8	40.5
Technical, sales, and administrative support .....	20,353	1,171	3,924	15,258	12,123	1,747	1,387	35.7	40.6
Technicians and related support .....	1,484	47	249	1,188	901	179	108	37.2	41.0
Sales occupations .....	5,906	658	1,732	3,517	2,411	527	579	33.8	42.2
Administrative support, including clerical .....	12,962	467	1,944	10,552	8,811	1,041	700	36.4	40.0
Service occupations .....	8,143	1,246	2,180	4,718	3,623	438	657	32.6	41.6
Private household .....	910	212	350	349	249	35	65	26.2	42.2
Protective service .....	199	14	21	164	116	24	24	38.3	42.4
Service, except private household and protective .....	7,035	1,020	1,809	4,205	3,258	378	569	33.2	41.5
Precision production, craft, and repair .....	1,107	67	118	921	673	121	127	37.8	41.3
Operators, fabricators, and laborers .....	3,900	355	321	3,224	2,534	431	258	37.6	40.6
Machine operators, assemblers, and inspectors .....	2,996	251	151	2,594	2,077	327	190	38.3	40.5
Transportation and material moving occupations .....	240	24	64	152	98	31	22	33.1	41.0
Handlers, equipment cleaners, helpers, and laborers .....	665	81	106	478	359	72	46	35.9	41.2

<sup>1</sup> Excludes farming, forestry, and fishing occupations.

<sup>2</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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	180,131	180,304	180,470	180,642	180,810	181,361	181,512	181,678	181,843	181,998	182,183	182,354	182,525
Labor force <sup>1</sup> .....	117,069	117,522	117,814	117,832	117,927	118,477	118,779	118,900	118,929	119,351	119,796	119,744	119,879
Percent of population <sup>2</sup> .....	65.0	65.2	65.3	65.2	65.2	65.3	65.4	65.4	65.4	65.6	65.8	65.7	65.7
Total employed <sup>1</sup> .....	108,936	109,251	109,513	109,671	109,904	110,646	110,252	110,481	110,587	110,797	111,353	111,554	111,852
Employment-population ratio <sup>3</sup> .....	60.5	60.6	60.7	60.7	60.8	61.0	60.7	60.8	60.8	60.9	61.1	61.2	61.3
Resident Armed Forces .....	1,726	1,732	1,700	1,702	1,698	1,691	1,691	1,693	1,695	1,687	1,680	1,672	1,697
Civilian employed .....	107,210	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155
Agriculture .....	3,095	3,017	3,058	3,070	3,151	3,299	3,096	3,285	3,222	3,160	3,165	3,112	3,048
Nonagricultural industries .....	104,115	104,502	104,755	104,899	105,055	105,655	105,465	105,503	105,670	105,950	106,508	106,769	107,107
Unemployed .....	8,133	8,271	8,301	8,161	8,023	7,831	8,527	8,419	8,342	8,554	8,443	8,190	8,027
Unemployment rate <sup>4</sup> .....	6.9	7.0	7.0	6.9	6.8	6.6	7.2	7.1	7.0	7.2	7.0	6.8	6.7
Not in labor force .....	63,062	62,782	62,656	62,810	62,883	62,885	62,733	62,778	62,914	62,647	62,387	62,610	62,646
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	86,132	86,217	86,293	86,374	86,459	86,882	86,954	87,035	87,120	87,195	87,288	87,373	87,460
Labor force <sup>1</sup> .....	65,945	66,074	66,227	66,176	66,139	66,679	66,838	66,864	66,757	66,943	66,964	66,936	66,944
Percent of population <sup>2</sup> .....	76.6	76.6	76.7	76.6	76.5	76.7	76.9	76.8	76.6	76.8	76.7	76.6	76.5
Total employed <sup>1</sup> .....	61,510	61,629	61,656	61,731	61,793	62,458	62,243	62,288	62,254	62,190	62,322	62,365	62,515
Employment-population ratio <sup>3</sup> .....	71.4	71.5	71.4	71.5	71.5	71.9	71.6	71.6	71.5	71.4	71.4	71.4	71.5
Resident Armed Forces .....	1,574	1,580	1,551	1,552	1,549	1,539	1,539	1,540	1,541	1,533	1,525	1,518	1,541
Civilian employed .....	59,936	60,049	60,105	60,179	60,244	60,919	60,704	60,748	60,713	60,657	60,797	60,847	60,974
Unemployed .....	4,435	4,445	4,571	4,445	4,346	4,221	4,595	4,577	4,503	4,754	4,642	4,571	4,429
Unemployment rate <sup>4</sup> .....	6.7	6.7	6.9	6.7	6.6	6.3	6.9	6.8	6.7	7.1	6.9	6.8	6.6
Not in labor force .....	20,187	20,143	20,066	20,198	20,320	20,203	20,116	20,171	20,363	20,252	20,324	20,437	20,516
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	93,999	94,087	94,177	94,266	94,351	94,479	94,558	94,643	94,723	94,803	94,895	94,981	95,065
Labor force <sup>1</sup> .....	51,124	51,448	51,587	51,655	51,788	51,797	51,941	52,036	52,172	52,408	52,832	52,808	52,935
Percent of population <sup>2</sup> .....	54.4	54.7	54.8	54.8	54.9	54.8	54.9	55.0	55.1	55.3	55.7	55.6	55.7
Total employed <sup>1</sup> .....	47,426	47,622	47,857	47,939	48,111	48,187	48,009	48,194	48,333	48,608	49,031	49,189	49,337
Employment-population ratio <sup>3</sup> .....	50.5	50.6	50.8	50.9	51.0	51.0	50.8	50.9	51.0	51.3	51.7	51.8	51.9
Resident Armed Forces .....	152	152	149	149	149	152	152	153	154	154	155	154	156
Civilian employed .....	47,274	47,470	47,708	47,790	47,962	48,035	47,857	48,041	48,179	48,454	48,876	49,035	49,181
Unemployed .....	3,698	3,826	3,730	3,716	3,677	3,610	3,932	3,842	3,839	3,800	3,801	3,619	3,598
Unemployment rate <sup>4</sup> .....	7.2	7.4	7.2	7.2	7.1	7.0	7.6	7.4	7.4	7.3	7.2	6.9	6.8
Not in labor force .....	42,875	42,639	42,590	42,611	42,563	42,682	42,617	42,607	42,551	42,395	42,063	42,173	42,130

<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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	178,405	178,572	178,770	178,940	179,112	179,670	179,821	179,985	180,148	180,311	180,503	180,682	180,828
Civilian labor force .....	115,343	115,790	116,114	116,130	116,229	116,786	117,088	117,207	117,234	117,664	118,116	118,072	118,182
Percent of population .....	64.7	64.8	65.0	64.9	64.9	65.0	65.1	65.1	65.1	65.3	65.4	65.3	65.4
Employed .....	107,210	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155
Employment-population ratio <sup>2</sup> .....	60.1	60.2	60.3	60.3	60.4	60.6	60.4	60.4	60.4	60.5	60.8	60.8	60.9
Unemployed .....	8,133	8,271	8,301	8,161	8,023	7,831	8,527	8,419	8,342	8,554	8,443	8,190	8,027
Unemployment rate .....	7.1	7.1	7.1	7.0	6.9	6.7	7.3	7.2	7.1	7.3	7.1	6.9	6.8
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	77,306	77,389	77,498	77,566	77,651	78,101	78,171	78,236	78,309	78,387	78,484	78,586	78,634
Civilian labor force .....	60,269	60,407	60,526	60,553	60,548	61,212	61,183	61,268	61,053	61,208	61,387	61,323	61,235
Percent of population .....	78.0	78.1	78.1	78.1	78.0	78.4	78.3	78.3	78.0	78.1	78.2	78.0	77.9
Employed .....	56,636	56,751	56,849	56,897	56,982	57,706	57,384	57,459	57,391	57,312	57,560	57,499	57,607
Employment-population ratio <sup>2</sup> .....	73.3	73.3	73.4	73.4	73.4	73.9	73.4	73.4	73.3	73.1	73.3	73.2	73.3
Agriculture .....	2,231	2,171	2,188	2,210	2,278	2,349	2,258	2,411	2,347	2,278	2,320	2,266	2,173
Nonagricultural industries .....	54,405	54,580	54,661	54,687	54,704	55,356	55,127	55,048	55,043	55,034	55,241	55,233	55,435
Unemployed .....	3,633	3,656	3,677	3,656	3,566	3,507	3,799	3,809	3,663	3,897	3,827	3,824	3,628
Unemployment rate .....	6.0	6.1	6.1	6.0	5.9	5.7	6.2	6.2	6.0	6.4	6.2	6.2	5.9
Not in labor force .....	17,037	16,982	16,972	17,013	17,103	16,889	16,988	16,968	17,256	17,179	17,097	17,263	17,399
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	86,652	86,727	86,810	86,901	86,988	87,112	87,185	87,263	87,355	87,444	87,547	87,629	87,689
Civilian labor force .....	47,340	47,558	47,663	47,713	47,870	47,895	47,921	47,952	48,107	48,409	48,805	48,916	48,989
Percent of population .....	54.6	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.4	55.7	55.8	55.9
Employed .....	44,197	44,363	44,609	44,656	44,882	44,980	44,710	44,797	45,009	45,284	45,701	45,918	45,999
Employment-population ratio <sup>2</sup> .....	51.0	51.2	51.4	51.4	51.6	51.6	51.3	51.3	51.5	51.8	52.2	52.4	52.5
Agriculture .....	581	557	609	591	597	696	593	598	576	609	565	608	627
Nonagricultural industries .....	43,616	43,806	44,000	44,065	44,285	44,284	44,117	44,199	44,433	44,675	45,136	45,309	45,372
Unemployed .....	3,143	3,195	3,054	3,057	2,988	2,915	3,211	3,155	3,097	3,125	3,104	2,998	2,990
Unemployment rate .....	6.6	6.7	6.4	6.4	6.2	6.1	6.7	6.6	6.4	6.5	6.4	6.1	6.1
Not in labor force .....	39,312	39,169	39,147	39,188	39,118	39,217	39,264	39,311	39,248	39,035	38,742	38,713	38,700
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,448	14,456	14,463	14,472	14,474	14,458	14,465	14,485	14,484	14,480	14,472	14,467	14,505
Civilian labor force .....	7,734	7,825	7,925	7,864	7,811	7,678	7,984	7,987	8,074	8,047	7,923	7,833	7,958
Percent of population .....	53.5	54.1	54.8	54.3	54.0	53.1	55.2	55.1	55.7	55.6	54.7	54.1	54.9
Employed .....	6,377	6,405	6,355	6,416	6,342	6,269	6,467	6,532	6,492	6,515	6,411	6,465	6,549
Employment-population ratio <sup>2</sup> .....	44.1	44.3	43.9	44.3	43.8	43.4	44.7	45.1	44.8	45.0	44.3	44.7	45.2
Agriculture .....	283	289	261	269	276	254	246	276	298	274	280	238	249
Nonagricultural industries .....	6,094	6,116	6,094	6,147	6,066	6,015	6,221	6,256	6,194	6,241	6,131	6,227	6,300
Unemployed .....	1,357	1,420	1,570	1,448	1,469	1,409	1,517	1,455	1,582	1,532	1,512	1,368	1,409
Unemployment rate .....	17.5	18.1	19.8	18.4	18.8	18.4	19.0	18.2	19.6	19.0	19.1	17.5	17.7
Not in labor force .....	6,714	6,631	6,538	6,608	6,663	6,780	6,481	6,498	6,410	6,433	6,549	6,634	6,547

<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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	153,819	153,938	154,082	154,203	154,327	154,784	154,889	155,005	155,122	155,236	155,376	155,502	155,604
Civilian labor force .....	99,817	100,179	100,533	100,478	100,533	100,961	101,232	101,248	101,249	101,515	101,975	101,922	102,189
Percent of population .....	64.9	65.1	65.2	65.2	65.1	65.2	65.4	65.3	65.3	65.4	65.6	65.5	65.7
Employed .....	93,684	94,055	94,369	94,507	94,585	95,165	94,803	94,958	95,081	95,180	95,731	95,760	96,271
Employment-population ratio <sup>2</sup> .....	60.9	61.1	61.2	61.3	61.3	61.5	61.2	61.3	61.3	61.3	61.6	61.6	61.9
Unemployed .....	6,133	6,124	6,164	5,971	5,948	5,796	6,429	6,290	6,168	6,335	6,244	6,162	5,918
Unemployment rate .....	6.1	6.1	6.1	5.9	5.9	5.7	6.4	6.2	6.1	6.2	6.1	6.0	5.8
<b>Men, 20 years and over</b>													
Civilian labor force .....	52,877	52,983	53,105	53,125	53,097	53,603	53,598	53,613	53,504	53,548	53,674	53,528	53,571
Percent of population .....	78.4	78.5	78.6	78.5	78.4	78.7	78.6	78.6	78.4	78.4	78.5	78.2	78.2
Employed .....	50,050	50,207	50,339	50,380	50,408	50,944	50,691	50,665	50,717	50,588	50,789	50,599	50,870
Employment-population ratio <sup>2</sup> .....	74.2	74.4	74.5	74.5	74.4	74.8	74.4	74.3	74.3	74.1	74.3	73.9	74.3
Unemployed .....	2,827	2,776	2,766	2,745	2,689	2,659	2,906	2,948	2,786	2,960	2,884	2,929	2,701
Unemployment rate .....	5.3	5.2	5.2	5.2	5.1	5.0	5.4	5.5	5.2	5.5	5.4	5.5	5.0
<b>Women, 20 years and over</b>													
Civilian labor force .....	40,254	40,403	40,549	40,538	40,659	40,691	40,698	40,750	40,808	41,040	41,511	41,646	41,705
Percent of population .....	54.0	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.7	55.3	55.4	55.4
Employed .....	37,964	38,096	38,317	38,366	38,475	38,546	38,298	38,407	38,566	38,775	39,249	39,424	39,538
Employment-population ratio <sup>2</sup> .....	51.0	51.1	51.3	51.4	51.5	51.5	51.1	51.3	51.4	51.7	52.3	52.4	52.6
Unemployed .....	2,290	2,307	2,232	2,172	2,184	2,145	2,401	2,343	2,242	2,265	2,262	2,222	2,167
Unemployment rate .....	5.7	5.7	5.5	5.4	5.4	5.3	5.9	5.8	5.5	5.5	5.4	5.3	5.2
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	6,686	6,793	6,879	6,815	6,777	6,667	6,936	6,885	6,937	6,927	6,790	6,748	6,914
Percent of population .....	56.4	57.3	58.0	57.4	57.1	56.2	58.5	58.1	58.4	58.3	57.2	56.8	58.2
Employed .....	5,670	5,752	5,713	5,761	5,702	5,675	5,814	5,886	5,797	5,817	5,693	5,737	5,864
Employment-population ratio <sup>2</sup> .....	47.8	48.5	48.2	48.6	48.1	47.8	49.0	49.6	48.8	49.0	47.9	48.3	49.3
Unemployed .....	1,016	1,041	1,166	1,054	1,075	992	1,122	999	1,140	1,110	1,097	1,011	1,050
Unemployment rate .....	15.2	15.3	17.0	15.5	15.9	14.9	16.2	14.5	16.4	16.0	16.2	15.0	15.2
Men .....	17.2	16.2	18.5	15.8	16.2	14.7	16.5	15.3	17.2	17.3	17.8	15.3	16.7
Women .....	13.0	14.4	15.3	15.1	15.5	15.1	15.8	13.7	15.6	14.7	14.4	14.7	13.5
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	19,700	19,728	19,761	19,790	19,819	19,837	19,863	19,889	19,916	19,943	19,974	20,002	20,028
Civilian labor force .....	12,289	12,378	12,412	12,457	12,522	12,548	12,545	12,656	12,740	12,781	12,754	12,601	12,473
Percent of population .....	62.4	62.7	62.8	62.9	63.2	63.3	63.2	63.6	64.0	64.1	63.9	63.0	62.3
Employed .....	10,560	10,500	10,566	10,518	10,657	10,737	10,690	10,791	10,856	10,889	10,825	10,836	10,654
Employment-population ratio <sup>2</sup> .....	53.6	53.2	53.5	53.1	53.8	54.1	53.8	54.3	54.5	54.6	54.2	54.2	53.2
Unemployed .....	1,729	1,878	1,846	1,939	1,865	1,810	1,855	1,865	1,884	1,892	1,929	1,766	1,819
Unemployment rate .....	14.1	15.2	14.9	15.6	14.9	14.4	14.8	14.7	14.8	14.8	15.1	14.0	14.6
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,747	5,788	5,778	5,772	5,797	5,887	5,858	5,913	5,916	5,956	5,968	5,951	5,855
Percent of population .....	74.2	74.6	74.3	74.1	74.2	75.1	74.6	75.2	75.1	75.5	75.5	75.2	73.9
Employed .....	5,062	5,019	4,987	4,983	5,035	5,142	5,081	5,169	5,170	5,199	5,171	5,194	5,080
Employment-population ratio <sup>2</sup> .....	65.3	64.7	64.1	63.9	64.5	65.6	64.7	65.7	65.7	65.9	65.4	65.6	64.1
Unemployed .....	685	769	791	789	762	745	778	744	746	757	796	757	775
Unemployment rate .....	11.9	13.3	13.7	13.7	13.1	12.7	13.3	12.6	12.6	12.7	13.3	12.7	13.2
<b>Women, 20 years and over</b>													
Civilian labor force .....	5,696	5,724	5,727	5,810	5,835	5,762	5,776	5,791	5,875	5,897	5,834	5,840	5,821
Percent of population .....	58.1	58.3	58.3	59.0	59.2	58.4	58.5	58.5	59.3	59.4	58.7	58.7	58.4
Employed .....	4,951	4,951	5,032	5,017	5,102	5,074	5,054	5,087	5,140	5,141	5,085	5,144	5,092
Employment-population ratio <sup>2</sup> .....	50.5	50.5	51.2	50.9	51.7	51.5	51.2	51.4	51.9	51.8	51.2	51.7	51.1
Unemployed .....	745	773	695	793	733	689	722	704	735	756	749	696	728
Unemployment rate .....	13.1	13.5	12.1	13.6	12.6	12.0	12.5	12.2	12.5	12.8	12.8	11.9	12.5

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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	846	866	907	875	890	898	911	951	949	928	952	810	797
Percent of population .....	39.3	40.2	42.2	40.7	41.5	42.0	42.6	44.5	44.4	43.5	44.6	38.0	37.3
Employed .....	547	530	547	518	520	522	555	535	545	549	569	497	482
Employment-population ratio <sup>2</sup> .....	25.4	24.6	25.4	24.1	24.2	24.4	26.0	25.1	25.5	25.7	26.7	23.3	22.6
Unemployed .....	299	336	360	357	370	376	356	416	404	379	383	313	315
Unemployment rate .....	35.3	38.8	39.7	40.8	41.6	41.9	39.1	43.7	42.6	40.8	40.2	38.6	39.5
Men .....	34.9	41.1	41.0	45.2	41.0	41.3	38.7	44.1	41.4	40.8	38.5	41.6	37.4
Women .....	35.9	36.1	38.2	36.0	42.3	42.4	39.5	43.4	43.8	40.8	41.9	35.1	41.8
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	11,969	12,004	12,040	12,075	12,111	12,148	12,184	12,219	12,255	12,290	12,326	12,362	12,397
Civilian labor force .....	7,781	7,844	7,854	7,782	7,772	7,787	7,943	7,920	7,975	8,002	8,110	8,123	8,102
Percent of population .....	65.0	65.3	65.2	64.4	64.2	64.1	65.2	64.8	65.1	65.1	65.8	65.7	65.4
Employed .....	6,973	7,026	6,982	6,953	6,962	6,998	6,969	7,105	7,144	7,123	7,251	7,274	7,213
Employment-population ratio <sup>2</sup> .....	58.3	58.5	58.0	57.6	57.5	57.6	57.2	58.2	58.3	58.0	58.8	58.8	58.2
Unemployed .....	808	818	872	829	810	789	974	815	832	878	858	849	889
Unemployment rate .....	10.4	10.4	11.1	10.7	10.4	10.1	12.3	10.3	10.4	11.0	10.6	10.5	11.0

<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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>CHARACTERISTIC</b>													
Total .....	107,210	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155
Married men, spouse present .....	39,142	39,103	39,272	39,314	39,278	39,615	39,382	39,365	39,555	39,614	39,626	39,611	39,716
Married women, spouse present .....	26,392	26,531	26,702	26,721	26,804	26,958	26,593	26,656	26,802	26,920	27,427	27,523	27,438
Women who maintain families .....	5,627	5,556	5,514	5,605	5,693	5,702	5,733	5,771	5,812	5,718	5,668	5,829	5,826
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,456	1,438	1,465	1,537	1,572	1,673	1,519	1,689	1,587	1,480	1,498	1,486	1,469
Self-employed workers .....	1,444	1,414	1,436	1,361	1,409	1,492	1,444	1,453	1,475	1,486	1,504	1,427	1,379
Unpaid family workers .....	176	179	172	158	164	163	156	172	180	186	154	171	178
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	95,791	96,546	96,530	96,676	96,921	97,911	97,516	97,698	97,831	97,994	98,372	98,206	98,667
Government .....	16,075	16,145	16,213	16,157	16,194	16,418	16,104	16,095	16,187	16,325	16,387	16,647	16,479
Private industries .....	79,716	80,401	80,317	80,519	80,727	81,494	81,412	81,604	81,643	81,669	81,984	81,559	82,188
Private households .....	1,295	1,266	1,271	1,197	1,131	1,256	1,197	1,213	1,321	1,275	1,279	1,243	1,261
Other industries .....	78,421	79,135	79,046	79,322	79,596	80,238	80,216	80,390	80,322	80,394	80,705	80,317	80,927
Self-employed workers .....	7,874	7,846	7,991	8,013	7,903	7,655	7,689	7,644	7,571	7,575	7,807	8,081	7,982
Unpaid family workers .....	303	266	248	249	250	273	270	240	253	229	235	254	282
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
<b>All industries:</b>													
Part time for economic reasons .....	5,680	5,554	5,475	5,498	5,494	5,543	5,377	5,538	5,923	5,980	5,537	5,399	5,443
Slack work .....	2,480	2,433	2,251	2,306	2,303	2,364	2,369	2,330	2,603	2,659	2,434	2,484	2,411
Could only find part-time work .....	2,835	2,815	2,897	2,883	2,864	2,883	2,703	2,953	2,974	2,893	2,810	2,624	2,711
Voluntary part time .....	13,622	13,496	13,713	13,645	13,556	13,958	13,817	13,754	13,933	13,638	14,268	13,991	14,023
<b>Nonagricultural industries:</b>													
Part time for economic reasons .....	5,413	5,299	5,241	5,295	5,294	5,275	5,158	5,301	5,621	5,673	5,320	5,191	5,259
Slack work .....	2,319	2,292	2,115	2,196	2,195	2,208	2,224	2,159	2,430	2,523	2,308	2,323	2,286
Could only find part-time work .....	2,740	2,730	2,801	2,784	2,760	2,776	2,636	2,861	2,849	2,790	2,724	2,579	2,660
Voluntary part time .....	13,179	13,053	13,277	13,194	13,122	13,441	13,369	13,285	13,599	13,191	13,779	13,656	13,683

<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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	107,210	107,519	107,813	107,969	108,206	108,955	108,561	108,788	108,892	109,110	109,673	109,882	110,155
16 to 24 years .....	20,270	20,351	20,307	20,308	20,303	20,235	20,501	20,512	20,309	20,213	20,242	20,244	20,302
16 to 19 years .....	6,377	6,405	6,355	6,416	6,342	6,269	6,467	6,532	6,492	6,515	6,411	6,465	6,549
16 to 17 years .....	2,489	2,487	2,458	2,487	2,466	2,460	2,557	2,685	2,649	2,626	2,614	2,593	2,569
18 to 19 years .....	3,857	3,930	3,913	3,910	3,887	3,857	3,920	3,889	3,828	3,876	3,818	3,807	3,940
20 to 24 years .....	13,893	13,946	13,952	13,892	13,961	13,966	14,034	13,980	13,817	13,698	13,831	13,779	13,753
25 years and over .....	86,919	87,157	87,477	87,665	87,877	88,684	88,007	88,315	88,639	88,876	89,428	89,721	89,873
25 to 54 years .....	72,623	72,945	73,164	73,384	73,668	74,373	73,922	74,079	74,364	74,428	74,882	75,252	75,396
55 years and over .....	14,305	14,231	14,336	14,297	14,248	14,360	14,085	14,151	14,250	14,379	14,567	14,493	14,467
Men, 16 years and over .....	59,936	60,049	60,105	60,179	60,244	60,919	60,704	60,748	60,713	60,657	60,797	60,847	60,974
16 to 24 years .....	10,604	10,632	10,543	10,590	10,584	10,635	10,766	10,701	10,585	10,492	10,463	10,602	10,570
16 to 19 years .....	3,300	3,298	3,256	3,282	3,262	3,214	3,320	3,288	3,322	3,345	3,236	3,348	3,367
16 to 17 years .....	1,284	1,307	1,280	1,308	1,289	1,249	1,323	1,372	1,368	1,380	1,350	1,357	1,305
18 to 19 years .....	1,988	2,008	1,993	1,957	1,984	1,996	2,018	1,929	1,956	1,955	1,895	1,970	2,023
20 to 24 years .....	7,304	7,334	7,287	7,308	7,322	7,421	7,446	7,413	7,262	7,147	7,227	7,255	7,203
25 years and over .....	49,323	49,398	49,532	49,596	49,636	50,296	49,905	50,058	50,216	50,165	50,289	50,284	50,410
25 to 54 years .....	40,844	40,971	41,081	41,144	41,244	41,786	41,588	41,642	41,751	41,648	41,835	41,863	42,037
55 years and over .....	8,475	8,459	8,483	8,461	8,424	8,522	8,326	8,361	8,436	8,501	8,462	8,408	8,339
Women, 16 years and over .....	47,274	47,470	47,708	47,790	47,962	48,035	47,857	48,041	48,179	48,454	48,876	49,035	49,181
16 to 24 years .....	9,666	9,719	9,784	9,718	9,719	9,599	9,736	9,810	9,724	9,721	9,779	9,642	9,732
16 to 19 years .....	3,077	3,107	3,099	3,134	3,080	3,055	3,147	3,244	3,170	3,170	3,175	3,117	3,182
16 to 17 years .....	1,205	1,180	1,178	1,179	1,177	1,211	1,234	1,313	1,281	1,246	1,264	1,236	1,264
18 to 19 years .....	1,869	1,922	1,920	1,953	1,903	1,861	1,902	1,960	1,872	1,921	1,923	1,837	1,917
20 to 24 years .....	6,589	6,612	6,665	6,584	6,639	6,545	6,589	6,567	6,555	6,552	6,604	6,524	6,550
25 years and over .....	37,596	37,759	37,945	38,069	38,241	38,388	38,102	38,257	38,423	38,711	39,139	39,437	39,463
25 to 54 years .....	31,779	31,974	32,083	32,240	32,424	32,587	32,334	32,437	32,613	32,780	33,047	33,389	33,359
55 years and over .....	5,830	5,772	5,853	5,836	5,824	5,838	5,760	5,789	5,814	5,878	6,104	6,086	6,129

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

(In thousands)

Sex and age	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	8,133	8,271	8,301	8,161	8,023	7,831	8,527	8,419	8,342	8,554	8,443	8,190	8,027
16 to 24 years .....	3,041	3,132	3,274	3,170	3,123	3,030	3,222	3,109	3,266	3,339	3,172	3,036	2,971
16 to 19 years .....	1,357	1,420	1,570	1,448	1,469	1,409	1,517	1,455	1,582	1,532	1,512	1,368	1,409
16 to 17 years .....	586	632	721	678	660	650	711	645	698	702	680	625	627
18 to 19 years .....	777	786	846	795	822	754	813	801	894	824	830	711	785
20 to 24 years .....	1,684	1,712	1,704	1,722	1,654	1,621	1,705	1,654	1,684	1,807	1,660	1,668	1,562
25 years and over .....	5,077	5,176	5,004	4,987	4,890	4,808	5,309	5,300	5,101	5,188	5,303	5,153	5,059
25 to 54 years .....	4,480	4,522	4,402	4,384	4,301	4,248	4,666	4,671	4,557	4,672	4,728	4,615	4,496
55 years and over .....	615	604	589	570	573	576	650	638	576	545	560	573	554
Men, 16 years and over .....	4,435	4,445	4,571	4,445	4,346	4,221	4,595	4,577	4,503	4,754	4,642	4,571	4,429
16 to 24 years .....	1,696	1,696	1,800	1,710	1,649	1,568	1,688	1,683	1,792	1,850	1,705	1,658	1,626
16 to 19 years .....	802	789	894	789	780	714	796	768	840	857	815	747	801
16 to 17 years .....	360	341	405	345	355	331	399	342	367	380	325	340	347
18 to 19 years .....	440	450	494	449	435	387	403	418	480	478	487	378	447
20 to 24 years .....	894	907	906	921	869	854	892	915	952	993	890	911	825
25 years and over .....	2,744	2,779	2,761	2,736	2,694	2,660	2,909	2,886	2,733	2,865	2,945	2,908	2,803
25 to 54 years .....	2,405	2,393	2,381	2,359	2,339	2,330	2,533	2,508	2,415	2,553	2,590	2,592	2,440
55 years and over .....	338	352	361	353	339	345	386	373	344	335	362	344	355
Women, 16 years and over .....	3,698	3,826	3,730	3,716	3,677	3,610	3,932	3,842	3,839	3,800	3,801	3,619	3,598
16 to 24 years .....	1,345	1,436	1,474	1,460	1,474	1,462	1,534	1,427	1,473	1,489	1,467	1,378	1,344
16 to 19 years .....	555	631	676	659	689	695	721	687	742	675	697	621	608
16 to 17 years .....	226	291	316	333	305	319	312	303	331	322	355	285	280
18 to 19 years .....	337	336	352	346	387	367	410	383	414	346	343	333	338
20 to 24 years .....	790	805	798	801	785	767	813	740	731	814	770	757	736
25 years and over .....	2,333	2,397	2,243	2,251	2,196	2,148	2,400	2,414	2,368	2,322	2,358	2,246	2,256
25 to 54 years .....	2,075	2,129	2,021	2,025	1,962	1,918	2,133	2,163	2,143	2,119	2,138	2,023	2,056
55 years and over .....	277	252	228	217	234	231	264	264	232	209	198	229	199

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

(Civilian workers)

Sex and age	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	7.1	7.1	7.1	7.0	6.9	6.7	7.3	7.2	7.1	7.3	7.1	6.9	6.8
16 to 24 years .....	13.0	13.3	13.9	13.5	13.3	13.0	13.6	13.2	13.9	14.2	13.5	13.0	12.8
16 to 19 years .....	17.5	18.1	19.8	18.4	18.8	18.4	19.0	18.2	19.6	19.0	19.1	17.5	17.7
16 to 17 years .....	19.1	20.3	22.7	21.4	21.1	20.9	21.8	19.4	20.9	21.1	20.6	19.4	19.6
18 to 19 years .....	16.8	16.7	17.8	16.9	17.5	16.4	17.2	17.1	18.9	17.5	17.9	15.7	16.6
20 to 24 years .....	10.8	10.9	10.9	11.0	10.6	10.4	10.8	10.6	10.9	11.7	10.7	10.8	10.2
25 years and over .....	5.5	5.6	5.4	5.4	5.3	5.1	5.7	5.7	5.4	5.5	5.6	5.4	5.3
25 to 54 years .....	5.8	5.8	5.7	5.6	5.5	5.4	5.9	5.9	5.8	5.9	5.9	5.8	5.6
55 years and over .....	4.1	4.1	3.9	3.8	3.9	3.9	4.4	4.3	3.9	3.6	3.7	3.8	3.7
Men, 16 years and over .....	6.9	6.9	7.1	6.9	6.7	6.5	7.0	7.0	6.9	7.3	7.1	7.0	6.8
16 to 24 years .....	13.8	13.8	14.6	13.9	13.5	12.8	13.6	13.6	14.5	15.0	14.0	13.5	13.3
16 to 19 years .....	19.6	19.3	21.5	19.4	19.3	18.2	19.3	18.9	20.2	20.4	20.1	18.2	19.2
16 to 17 years .....	21.9	20.7	24.0	20.9	21.6	20.9	23.2	20.0	21.2	21.6	19.4	20.0	21.0
18 to 19 years .....	18.1	18.3	19.9	18.7	18.0	16.2	16.6	17.8	19.7	19.6	20.4	16.1	18.1
20 to 24 years .....	10.9	11.0	11.1	11.2	10.6	10.3	10.7	11.0	11.6	12.2	11.0	11.2	10.3
25 years and over .....	5.3	5.3	5.3	5.2	5.1	5.0	5.5	5.5	5.2	5.4	5.5	5.5	5.3
25 to 54 years .....	5.6	5.5	5.5	5.4	5.4	5.3	5.7	5.7	5.5	5.8	5.8	5.8	5.5
55 years and over .....	3.8	4.0	4.1	4.0	3.9	3.9	4.4	4.3	3.9	3.8	4.1	3.9	4.1
Women, 16 years and over .....	7.3	7.5	7.3	7.2	7.1	7.0	7.6	7.4	7.4	7.3	7.2	6.9	6.8
16 to 24 years .....	12.2	12.9	13.1	13.1	13.2	13.2	13.6	12.7	13.2	13.3	13.0	12.5	12.1
16 to 19 years .....	15.3	16.9	17.9	17.4	18.3	18.5	18.6	17.5	19.0	17.6	18.0	16.6	16.0
16 to 17 years .....	15.8	19.8	21.2	22.0	20.6	20.8	20.2	18.8	20.5	20.5	21.9	18.7	18.1
18 to 19 years .....	15.3	14.9	15.5	15.1	16.9	16.5	17.7	16.3	18.1	15.3	15.1	15.3	15.0
20 to 24 years .....	10.7	10.9	10.7	10.8	10.6	10.5	11.0	10.1	10.0	11.1	10.4	10.4	10.1
25 years and over .....	5.8	6.0	5.6	5.6	5.4	5.3	5.9	5.9	5.8	5.7	5.7	5.4	5.4
25 to 54 years .....	6.1	6.2	5.9	5.9	5.7	5.6	6.2	6.3	6.2	6.1	6.1	5.7	5.8
55 years and over .....	4.5	4.2	3.7	3.6	3.9	3.8	4.4	4.4	3.8	3.4	3.1	3.6	3.1

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

(Unemployment rates)

Category	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	7.1	7.1	7.1	7.0	6.9	6.7	7.3	7.2	7.1	7.3	7.1	6.9	6.8
Men, 20 years and over .....	6.0	6.1	6.1	6.0	5.9	5.7	6.2	6.2	6.0	6.4	6.2	6.2	5.9
Women, 20 years and over .....	6.6	6.7	6.4	6.4	6.2	6.1	6.7	6.6	6.4	6.5	6.4	6.1	6.1
Both sexes, 16 to 19 years .....	17.5	18.1	19.8	18.4	18.8	18.4	19.0	18.2	19.6	19.0	19.1	17.5	17.7
White .....	6.1	6.1	6.1	5.9	5.9	5.7	6.4	6.2	6.1	6.2	6.1	6.0	5.8
Black and other .....	12.8	13.7	13.5	14.1	13.4	12.8	13.3	13.3	13.6	13.6	13.7	12.6	13.1
Black .....	14.1	15.2	14.9	15.6	14.9	14.4	14.8	14.7	14.8	14.8	15.1	14.0	14.6
Hispanic origin .....	10.4	10.4	11.1	10.7	10.4	10.1	12.3	10.3	10.4	11.0	10.6	10.5	11.0
Married men, spouse present .....	4.1	4.3	4.2	4.3	4.3	4.3	4.5	4.5	4.2	4.5	4.5	4.4	4.1
Married women, spouse present .....	5.4	5.6	5.3	5.5	5.3	5.1	5.5	5.6	5.3	5.4	5.2	5.3	5.1
Women who maintain families .....	10.8	11.3	10.4	10.0	9.4	9.9	9.9	10.1	9.4	10.2	10.1	9.2	10.3
Full-time workers .....	6.8	6.8	6.8	6.7	6.6	6.4	6.9	6.9	6.7	7.0	6.7	6.6	6.4
Part-time workers .....	9.0	9.3	9.6	8.8	9.0	8.4	9.4	9.1	9.6	9.2	9.1	9.0	9.3
Unemployed 15 weeks and over <sup>1</sup> .....	2.0	2.0	2.0	1.9	1.9	1.8	2.0	1.9	1.8	1.9	2.0	1.9	1.9
Labor force time lost <sup>2</sup> .....	8.1	8.1	7.9	7.9	7.8	7.6	8.1	8.1	8.1	8.3	8.1	7.7	7.7
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	7.1	7.2	7.1	7.0	6.9	6.7	7.2	7.2	7.2	7.3	7.1	7.2	6.9
Mining .....	8.6	8.9	7.7	7.3	10.3	10.9	9.2	10.4	12.8	13.7	17.6	17.0	16.7
Construction .....	13.1	13.6	13.5	13.4	12.6	12.9	13.2	13.0	12.0	13.3	12.1	13.2	12.2
Manufacturing .....	7.8	7.7	7.5	7.7	7.3	7.0	7.2	7.2	6.8	7.5	7.3	6.9	6.8
Durable goods .....	7.9	7.7	7.3	7.6	7.3	7.0	7.4	6.8	6.8	7.3	7.1	6.7	6.9
Nondurable goods .....	7.6	7.8	7.8	7.8	7.3	7.1	7.0	7.7	6.8	7.7	7.5	7.2	6.7
Transportation and public utilities .....	4.5	5.3	5.1	5.1	5.0	4.3	5.3	6.1	5.6	5.3	5.5	6.1	4.6
Wholesale and retail trade .....	7.7	7.8	7.7	7.5	7.6	7.2	7.8	7.6	8.1	8.1	7.7	7.8	7.4
Finance and service industries .....	5.5	5.5	5.4	5.4	5.3	5.2	5.9	5.7	5.9	5.5	5.4	5.7	5.7
Agricultural wage and salary workers .....	14.0	13.3	12.9	12.5	10.6	10.9	14.3	11.9	13.4	15.8	13.2	11.6	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.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>DURATION</b>													
Less than 5 weeks .....	3,422	3,484	3,430	3,465	3,374	3,311	3,562	3,589	3,628	3,705	3,384	3,394	3,427
5 to 14 weeks .....	2,508	2,505	2,536	2,448	2,460	2,441	2,622	2,640	2,685	2,737	2,708	2,486	2,379
15 weeks and over .....	2,274	2,307	2,277	2,205	2,188	2,056	2,340	2,258	2,135	2,209	2,320	2,256	2,295
15 to 26 weeks .....	1,047	1,035	1,057	894	973	969	1,149	1,099	1,001	1,072	1,036	1,066	1,086
27 weeks and over .....	1,227	1,272	1,220	1,311	1,215	1,087	1,191	1,159	1,134	1,137	1,284	1,190	1,209
Average (mean) duration, in weeks .....	15.5	15.5	15.4	15.7	15.4	14.9	15.3	14.4	14.3	14.4	15.2	15.0	15.8
Median duration, in weeks .....	7.2	6.9	7.0	6.9	6.9	6.8	6.9	6.8	6.5	6.6	7.3	7.1	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 .....	41.7	42.0	41.6	42.7	42.1	42.4	41.8	42.3	42.9	42.8	40.2	41.7	42.3
5 to 14 weeks .....	30.6	30.2	30.8	30.2	30.7	31.3	30.8	31.1	31.8	31.6	32.2	30.6	29.4
15 weeks and over .....	27.7	27.8	27.6	27.2	27.3	26.3	27.5	26.6	25.3	25.5	27.6	27.7	28.3
15 to 26 weeks .....	12.8	12.5	12.8	11.0	12.1	12.4	13.5	13.0	11.9	12.4	12.3	13.1	13.4
27 weeks and over .....	15.0	15.3	14.8	16.1	15.1	13.9	14.0	13.7	13.4	13.1	15.3	14.6	14.9

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

(Numbers in thousands)

Reasons for unemployment	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	4,144	4,142	4,040	4,081	3,933	3,776	4,162	4,246	4,034	4,311	4,335	3,937	3,831
On layoff .....	1,112	1,167	1,161	1,175	1,132	1,163	1,152	1,164	1,028	1,133	1,066	1,079	990
Other job losers .....	3,032	2,975	2,879	2,906	2,801	2,613	3,010	3,082	3,006	3,178	3,269	2,858	2,841
Job leavers .....	875	852	911	808	876	996	1,001	1,002	1,110	975	1,013	1,034	976
Reentrants .....	2,191	2,335	2,237	2,226	2,225	2,066	2,292	2,197	2,191	2,217	2,064	2,223	2,232
New entrants .....	941	918	1,045	1,055	1,033	1,025	1,097	1,000	1,059	1,062	1,059	965	1,000
<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 .....	50.8	50.2	49.1	50.0	48.8	48.0	48.7	50.3	48.1	50.3	51.2	48.3	47.6
On layoff .....	13.6	14.2	14.1	14.4	14.0	14.8	13.5	13.8	12.2	13.2	12.6	13.2	12.3
Other job losers .....	37.2	36.1	35.0	35.6	34.7	33.2	35.2	36.5	35.8	37.1	38.6	35.0	35.3
Job leavers .....	10.7	10.3	11.1	9.9	10.9	12.7	11.7	11.9	13.2	11.4	12.0	12.7	12.2
Reentrants .....	26.9	28.3	27.2	27.2	27.6	26.3	26.8	26.0	26.1	25.9	24.4	27.2	27.8
New entrants .....	11.5	11.1	12.7	12.9	12.8	13.0	12.8	11.8	12.6	12.4	12.5	11.8	12.4
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.6	3.6	3.5	3.5	3.4	3.2	3.6	3.6	3.4	3.7	3.7	3.3	3.2
Job leavers .....	.8	.7	.8	.7	.8	.9	.9	.9	.9	.8	.9	.9	.8
Reentrants .....	1.9	2.0	1.9	1.9	1.9	1.8	2.0	1.9	1.9	1.9	1.7	1.9	1.9
New entrants .....	.8	.8	.9	.9	.9	.9	.9	.9	.9	.9	.9	.8	.8



**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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Total</b> .....		97,531	97,782	100,752	100,016	100,232	-	-	-	-	-
<b>Total private</b> .....		81,841	82,241	83,985	84,164	84,518	66,165	66,544	67,976	68,098	68,422
<b>Mining</b> .....		938	933	779	772	761	666	663	540	536	531
Metal mining .....	10	46.4	46.3	42.9	43.2	-	33.8	34.0	31.8	31.9	-
Iron ores .....	101	9.4	10.5	9.5	9.7	-	6.8	8.0	7.4	7.5	-
Copper ores .....	102	13.3	13.2	12.1	12.0	-	9.6	9.5	9.2	9.2	-
Coal mining .....	11,12	189.9	187.4	176.6	176.2	-	155.5	153.7	144.1	143.8	-
Bituminous coal and lignite mining .....	12	187.2	185.5	174.3	173.9	-	153.1	152.1	142.3	141.9	-
Oil and gas extraction .....	13	585.0	583.3	445.1	437.5	431.1	386.8	386.1	275.5	272.4	-
Crude petroleum, natural gas, and natural gas liquids ...	131,2	260.0	259.9	234.7	229.8	-	121.2	121.6	110.9	109.8	-
Oil and gas field services .....	138	325.0	323.4	210.4	207.7	-	265.6	264.5	164.6	162.6	-
Nonmetallic minerals, except fuels .....	14	116.8	116.1	114.5	115.0	-	89.7	89.3	88.2	88.2	-
Crushed and broken stone .....	142	40.4	40.4	40.2	40.1	-	33.0	33.0	32.6	32.4	-
Sand and gravel .....	144	36.9	36.6	36.2	36.4	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	20.3	19.9	19.1	19.7	-	-	-	-	-	-
<b>Construction</b> .....		4,968	5,032	5,155	5,290	5,389	3,937	3,995	4,072	4,193	4,288
General building contractors .....	15	1,327.0	1,342.7	1,349.3	1,381.9	1,393.8	1,007.2	1,018.5	1,008.3	1,035.0	-
Residential building construction .....	152	661.8	664.7	684.6	699.3	-	490.4	492.3	501.7	511.6	-
Operative builders .....	153	61.9	62.7	60.1	60.5	-	33.9	33.8	33.1	32.9	-
Nonresidential building construction .....	154	603.3	615.3	604.6	622.1	-	482.9	492.4	473.5	490.5	-
Heavy construction contractors .....	16	846.5	859.4	829.6	838.9	-	705.3	718.4	699.0	708.5	-
Highway and street construction .....	161	306.6	309.9	319.9	329.2	-	263.4	266.0	273.4	282.4	-
Heavy construction, except highway .....	162	539.9	549.5	509.7	509.7	-	441.9	452.4	425.6	426.1	-
Special trade contractors .....	17	2,794.8	2,830.3	2,975.8	3,068.8	-	2,224.1	2,258.1	2,365.1	2,449.7	-
Plumbing, heating, and air conditioning .....	171	631.8	631.5	652.5	668.6	-	468.7	470.0	481.3	495.1	-
Painting, paper hanging, and decorating .....	172	178.9	180.8	180.9	192.5	-	150.6	151.5	150.9	163.4	-
Electrical work .....	173	499.0	507.5	531.1	543.5	-	385.2	392.6	411.4	423.5	-
Masonry, stonework, and plastering .....	174	451.9	461.5	493.6	511.6	-	390.0	398.8	424.4	439.4	-
Carpentering and flooring .....	175	167.5	169.2	185.0	191.5	-	127.5	129.6	142.8	149.2	-
Roofing and sheet metal work .....	176	209.1	213.6	215.8	225.8	-	171.7	175.9	175.2	184.7	-
<b>Manufacturing</b> .....		19,204	19,366	19,259	19,056	19,249	12,986	13,153	13,076	12,872	13,065
<b>Durable goods</b> .....		11,447	11,471	11,384	11,258	11,295	7,567	7,595	7,524	7,392	7,431
Lumber and wood products .....	24	717.3	725.8	739.3	739.8	751.1	604.2	612.6	623.0	623.1	635.2
Logging camps and logging contractors .....	241	86.9	87.6	82.8	85.9	-	70.5	71.8	70.0	73.5	-
Sawmills and planing mills .....	242	199.6	200.9	200.4	196.2	-	177.0	178.1	177.8	173.4	-
Sawmills and planing mills, general .....	2421	165.6	166.1	165.4	161.6	-	147.3	147.6	147.0	143.1	-
Hardwood dimension and flooring .....	2426	30.6	31.2	31.4	31.1	-	26.8	27.4	27.7	27.3	-
Millwork, plywood, and structural members .....	243	236.8	242.1	262.5	265.1	-	197.8	202.9	218.5	220.8	-
Millwork .....	2431	93.3	94.9	102.3	103.9	-	76.0	77.4	83.1	84.6	-
Wood kitchen cabinets .....	2434	61.0	63.2	69.1	70.1	-	49.8	51.9	56.2	57.0	-
Hardwood veneer and plywood .....	2435	22.5	23.2	25.1	24.4	-	19.6	20.4	22.0	21.2	-
Softwood veneer and plywood .....	2436	37.7	38.1	41.2	41.5	-	34.7	35.2	37.8	38.2	-
Wood containers .....	244	42.6	42.3	43.4	43.7	-	36.3	35.8	37.0	37.2	-
Wood buildings and mobile homes .....	245	75.9	76.2	72.4	72.0	-	59.3	59.8	55.4	54.7	-
Mobile homes .....	2451	54.1	53.8	50.2	49.2	-	44.2	44.1	40.3	39.1	-
Miscellaneous wood products .....	249	75.5	76.7	77.8	76.9	-	63.3	64.2	64.3	63.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>P</sup>	Aug. 1986 <sup>P</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>P</sup>	Aug. 1986 <sup>P</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures .....	25	479.2	492.6	494.6	484.7	494.9	379.8	392.7	395.7	385.6	396.2
Household furniture .....	251	281.8	291.2	293.5	283.5	-	234.1	242.8	246.3	236.5	-
Wood household furniture .....	2511	126.7	131.1	131.6	126.6	-	109.9	114.1	114.8	109.7	-
Upholstered household furniture .....	2512	87.3	91.5	92.2	90.9	-	71.1	74.7	76.0	75.1	-
Metal household furniture .....	2514	25.4	24.7	28.9	25.9	-	20.2	19.5	23.3	20.4	-
Mattresses and bedspings .....	2515	28.8	29.7	28.3	28.0	-	21.7	22.6	21.7	21.4	-
Office furniture .....	252	65.4	66.9	66.6	66.9	-	49.9	51.5	51.8	52.3	-
Public building and related furniture .....	253	26.7	26.6	26.2	26.3	-	20.3	20.4	20.0	20.0	-
Partitions and fixtures .....	254	68.7	69.3	70.3	70.5	-	50.4	51.2	51.4	51.1	-
Miscellaneous furniture and fixtures .....	259	36.6	38.6	38.0	37.5	-	25.1	26.8	26.2	25.7	-
Stone, clay, and glass products .....	32	601.6	606.3	610.1	604.6	609.4	462.6	467.2	472.4	467.6	471.8
Flat glass .....	321	15.3	15.4	15.0	14.8	-	12.0	12.1	11.8	11.6	-
Glass and glassware, pressed or blown .....	322	89.7	91.6	94.0	91.4	-	76.0	78.0	80.3	77.8	-
Glass containers .....	3221	47.7	47.6	48.6	48.5	-	42.6	42.4	43.8	43.5	-
Pressed and blown glass, nec .....	3229	42.0	44.0	45.4	42.9	-	33.4	35.6	36.5	34.3	-
Products of purchased glass .....	323	50.5	51.6	53.8	53.9	-	35.0	36.2	37.9	38.2	-
Cement, hydraulic .....	324	23.9	23.7	23.1	23.1	-	18.8	18.6	18.1	18.2	-
Structural clay products .....	325	38.8	38.9	38.6	37.6	-	30.1	30.3	30.1	29.3	-
Pottery and related products .....	326	36.0	36.4	35.3	35.1	-	28.0	28.6	27.6	27.6	-
Concrete, gypsum, and plaster products .....	327	219.6	220.7	224.6	224.5	-	172.5	173.2	175.9	175.7	-
Concrete block and brick .....	3271	20.0	19.9	20.4	20.4	-	13.7	13.7	13.7	13.6	-
Concrete products, nec .....	3272	72.9	73.3	73.1	72.6	-	56.1	56.5	56.2	55.7	-
Ready-mixed concrete .....	3273	106.4	107.0	109.9	110.2	-	86.7	87.1	89.6	89.9	-
Misc. nonmetallic mineral products .....	329	116.1	115.9	113.7	112.6	-	81.0	80.6	81.2	80.2	-
Abrasive products .....	3291	21.1	21.1	20.2	19.9	-	13.6	13.6	13.3	13.2	-
Asbestos products .....	3292	10.8	10.6	10.4	10.0	-	8.2	8.0	7.9	7.5	-
Mineral wool .....	3296	27.7	27.6	27.5	27.5	-	-	-	-	-	-
Primary metal industries .....	33	803.1	796.6	769.5	751.7	732.0	604.5	600.9	580.8	562.7	543.7
Blast furnaces and basic steel products .....	331	307.9	294.2	291.7	285.8	261.5	234.9	224.5	225.0	220.4	196.2
Blast furnaces and steel mills .....	3312	240.9	228.2	226.2	221.7	-	185.7	176.6	176.8	173.1	-
Steel pipe and tubes .....	3317	24.3	23.7	22.1	21.8	-	17.9	17.4	15.9	15.8	-
Iron and steel foundries .....	332	138.8	141.9	137.3	130.7	-	108.9	111.7	108.0	101.6	-
Gray iron foundries .....	3321	87.2	89.3	85.8	81.1	-	70.5	72.6	70.1	65.4	-
Malleable iron foundries .....	3322	9.4	10.0	9.9	8.7	-	6.7	7.1	7.0	6.3	-
Steel foundries, nec .....	3325	28.8	29.0	27.8	27.3	-	21.5	21.8	20.5	19.7	-
Primary nonferrous metals .....	333	45.0	44.1	36.4	36.2	-	32.3	31.7	24.7	23.6	-
Primary aluminum .....	3334	24.6	24.5	18.7	18.8	-	18.4	18.3	12.6	11.8	-
Nonferrous rolling and drawing .....	335	184.2	188.1	177.4	178.0	-	129.3	132.6	124.1	123.1	-
Copper rolling and drawing .....	3351	23.7	23.9	23.8	23.6	-	17.9	18.1	18.4	18.3	-
Aluminum sheet, plate, and foil .....	3353	30.6	31.4	25.8	27.3	-	21.5	22.4	17.9	19.2	-
Nonferrous wire drawing and insulating .....	3357	76.8	79.7	77.7	77.1	-	54.9	56.8	54.1	52.4	-
Nonferrous foundries .....	336	84.1	84.8	83.8	79.4	-	67.3	68.3	67.1	63.3	-
Aluminum foundries .....	3361	52.4	52.6	51.6	49.7	-	42.6	43.0	42.1	40.3	-
Fabricated metal products .....	34	1,451.9	1,464.1	1,447.0	1,415.7	1,433.5	1,069.6	1,081.7	1,069.7	1,040.6	1,057.1
Metal cans and shipping containers .....	341	59.4	59.1	59.4	59.0	-	50.7	50.5	50.9	50.4	-
Metal cans .....	3411	47.6	47.5	47.5	47.2	-	41.4	41.4	41.6	41.3	-
Cutlery, hand tools, and hardware .....	342	139.6	141.9	142.6	137.8	-	102.8	104.5	104.8	100.3	-
Hand and edge tools, and hand saws and blades .....	3423.5	47.3	48.2	48.0	46.5	-	34.5	35.3	34.9	33.7	-
Hardware, nec .....	3429	80.5	80.7	81.0	78.1	-	60.6	60.5	60.7	57.8	-
Plumbing and heating, except electric .....	343	64.0	65.5	65.4	63.4	-	45.1	46.7	46.4	44.5	-
Plumbing fittings and brass goods .....	3432	24.5	24.6	25.3	25.0	-	17.8	18.0	18.4	18.0	-
Heating equipment, except electric .....	3433	28.7	29.8	29.0	28.7	-	19.2	20.3	19.7	19.5	-
Fabricated structural metal products .....	344	444.8	446.3	438.5	437.0	-	311.5	313.7	309.4	307.8	-
Fabricated structural metal .....	3441	78.8	78.8	74.3	74.0	-	56.1	56.6	52.6	52.4	-
Metal doors, sash, and trim .....	3442	90.5	92.0	95.4	95.9	-	67.4	68.7	71.7	72.1	-
Fabricated plate work (boiler shops) .....	3443	100.9	100.4	94.6	92.9	-	62.8	62.9	59.0	57.1	-
Sheet metal work .....	3444	111.3	112.4	109.7	109.5	-	82.0	83.0	81.3	81.3	-
Architectural metal work .....	3446	28.7	27.8	28.9	28.5	-	20.8	19.9	21.3	20.9	-

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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Durable goods—Continued</b>											
Fabricated metal products—Continued											
Screw machine products, bolts, etc .....	345	95.3	96.6	96.6	93.6	-	72.6	73.8	73.3	70.7	-
Screw machine products .....	3451	45.0	45.6	45.3	43.5	-	36.3	37.0	36.6	35.1	-
Bolts, nuts, rivets, and washers .....	3452	50.3	51.0	51.3	50.1	-	36.3	36.8	36.7	35.6	-
Metal forgings and stampings .....	346	240.9	240.3	237.1	227.4	-	192.3	191.7	190.1	180.7	-
Iron and steel forgings .....	3462	34.7	34.8	33.0	31.7	-	26.3	26.4	25.2	24.0	-
Automotive stampings .....	3465	103.1	101.5	101.8	97.4	-	88.2	86.5	86.9	82.5	-
Metal stampings, nec .....	3469	92.6	93.5	91.9	87.8	-	70.2	71.3	70.4	66.6	-
Metal services, nec .....	347	107.7	111.0	112.9	108.5	-	85.5	88.7	90.5	86.1	-
Plating and polishing .....	3471	71.0	74.2	75.0	71.4	-	57.2	60.2	60.6	57.0	-
Metal coating and allied services .....	3479	36.7	36.8	37.9	37.1	-	28.3	28.5	29.9	29.1	-
Ordnance and accessories, nec .....	348	79.5	79.7	79.1	78.9	-	51.3	51.0	49.9	49.9	-
Ammunition, except for small arms, nec .....	3483	42.2	42.7	44.7	44.6	-	27.0	27.1	27.7	28.1	-
Misc. fabricated metal products .....	349	220.7	223.7	215.4	210.1	-	157.8	161.1	154.4	150.2	-
Valves and pipe fittings .....	3494	86.0	86.2	81.8	80.3	-	57.7	58.1	53.6	52.8	-
Misc. fabricated wire products .....	3496	49.7	51.3	51.5	50.3	-	37.1	38.8	39.0	38.0	-
Machinery, except electrical .....	35	2,169.5	2,152.8	2,099.7	2,074.6	2,068.9	1,294.3	1,283.8	1,255.8	1,231.1	1,227.6
Engines and turbines .....	351	102.3	99.2	96.7	95.4	-	63.2	60.8	60.2	58.8	-
Turbines and turbine generator sets .....	3511	32.9	32.6	31.9	32.1	-	16.9	16.8	17.1	17.1	-
Internal combustion engines, nec .....	3519	69.4	66.6	64.8	63.3	-	46.3	44.0	43.1	41.7	-
Farm and garden machinery .....	352	92.2	93.7	95.2	91.9	-	60.8	62.9	65.1	61.8	-
Farm machinery and equipment .....	3523	74.7	72.8	70.5	68.5	-	48.8	47.2	46.2	44.3	-
Construction and related machinery .....	353	252.5	251.8	229.6	225.5	-	155.0	154.7	140.2	137.3	-
Construction machinery .....	3531	86.7	86.4	83.9	81.8	-	52.6	52.7	51.4	50.5	-
Mining machinery .....	3532	20.8	20.3	18.8	18.6	-	13.1	12.7	11.8	11.7	-
Oil field machinery .....	3533	66.1	65.0	46.5	45.1	-	41.9	40.8	27.9	26.6	-
Conveyors and conveying equipment .....	3535	29.3	29.6	30.8	30.9	-	15.7	15.9	16.4	16.3	-
Industrial trucks and tractors .....	3537	25.1	25.4	25.0	24.8	-	16.5	16.8	17.7	17.6	-
Metalworking machinery .....	354	307.0	308.4	308.4	302.1	-	217.9	219.9	220.2	214.2	-
Machine tools, metal cutting types .....	3541	54.1	54.4	52.5	51.8	-	33.9	34.0	33.1	32.4	-
Machine tools, metal forming types .....	3542	18.9	18.6	18.7	18.3	-	11.6	11.3	11.3	11.0	-
Special dies, tools, jigs, and fixtures .....	3544	139.6	140.8	145.5	142.6	-	107.7	109.2	112.5	109.9	-
Machine tool accessories .....	3545	55.2	55.0	54.6	53.3	-	38.4	38.5	38.3	36.9	-
Power driven hand tools .....	3546	21.5	22.2	20.6	20.0	-	15.2	15.9	15.0	14.3	-
Special industry machinery .....	355	166.6	167.3	161.7	159.7	-	98.6	99.4	95.7	93.5	-
Food products machinery .....	3551	38.1	38.3	38.8	38.3	-	23.0	23.3	23.4	22.9	-
Textile machinery .....	3552	17.9	18.4	17.8	17.2	-	11.8	12.3	12.1	11.4	-
Printing trades machinery .....	3555	29.7	29.7	28.6	28.4	-	17.1	17.0	16.8	16.5	-
General industrial machinery .....	356	270.2	268.4	264.2	260.3	-	171.7	170.5	168.0	163.9	-
Pumps and pumping equipment .....	3561	51.2	51.2	47.9	46.5	-	29.9	30.1	28.3	26.6	-
Ball and roller bearings .....	3562	46.8	46.3	46.4	45.2	-	35.2	34.7	34.6	33.6	-
Air and gas compressors .....	3563	24.9	24.7	24.1	24.1	-	14.3	14.3	13.7	13.5	-
Blowers and fans .....	3564	32.1	31.8	32.0	31.7	-	19.8	19.6	20.2	20.1	-
Speed changers, drives, and gears .....	3566	20.9	20.5	20.8	20.5	-	14.5	14.2	14.3	14.0	-
Power transmission equipment, nec .....	3568	16.8	16.4	15.8	15.7	-	11.5	11.3	10.6	10.5	-
Office and computing machines .....	357	513.8	509.2	483.6	483.3	-	185.5	182.7	166.9	165.9	-
Electronic computing equipment .....	3573	452.0	446.1	421.5	421.4	-	155.1	151.9	136.8	135.9	-
Refrigeration and service machinery .....	358	174.1	165.3	173.3	171.4	-	121.2	113.3	121.9	119.5	-
Refrigeration and heating equipment .....	3585	124.2	116.2	124.5	123.6	-	88.1	81.1	89.7	88.3	-
Misc. machinery, except electrical .....	359	290.8	289.5	287.0	285.0	-	220.4	219.6	217.6	216.2	-
Carburetors, pistons, rings, and valves .....	3592	37.1	36.4	36.2	34.8	-	29.9	29.1	29.6	28.6	-
Machinery, except electrical, nec .....	3599	253.7	253.1	250.8	250.2	-	190.5	190.5	188.0	187.6	-
Electrical and electronic equipment .....	36	2,187.6	2,195.2	2,151.4	2,160.2	2,164.9	1,278.3	1,284.0	1,226.1	1,231.7	1,238.6
Electric distributing equipment .....	361	115.1	115.9	116.5	115.9	-	82.0	82.9	84.2	84.2	-
Transformers .....	3612	53.1	53.6	54.2	53.8	-	37.6	38.6	40.0	40.1	-
Switchgear and switchboard apparatus .....	3613	62.0	62.3	62.3	62.1	-	44.4	44.3	44.2	44.1	-
Electrical industrial apparatus .....	362	198.0	196.3	198.8	197.3	-	138.5	137.4	139.0	137.4	-
Motors and generators .....	3621	99.0	97.8	99.8	99.0	-	76.5	75.8	77.2	76.4	-
Industrial controls .....	3622	62.2	61.8	62.6	62.1	-	37.0	37.0	37.1	36.6	-
Household appliances .....	363	133.4	136.2	135.2	134.7	-	103.5	106.5	105.6	104.2	-
Household refrigerators and freezers .....	3632	26.4	25.6	27.4	27.8	-	20.7	19.9	21.8	22.1	-
Household laundry equipment .....	3633	21.4	21.7	22.0	22.3	-	16.6	16.9	17.2	17.1	-
Electric housewares and fans .....	3634	37.2	38.0	35.3	35.2	-	28.1	29.2	26.4	25.9	-

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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Durable goods—Continued</b>											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment .....	364	191.1	194.8	192.8	190.8	-	136.6	140.5	138.5	136.4	-
Electric lamps .....	3641	27.8	27.8	27.7	27.5	-	23.9	23.9	23.5	23.3	-
Current-carrying wiring devices .....	3643	78.6	79.2	79.0	77.3	-	50.5	51.1	51.6	50.2	-
Noncurrent-carrying wiring devices .....	3644	17.1	17.5	17.4	17.2	-	12.2	12.6	12.3	12.0	-
Residential lighting fixtures .....	3645	24.4	26.1	25.1	25.6	-	18.0	19.8	18.7	19.2	-
Radio and TV receiving equipment .....	365	82.6	83.1	79.0	78.1	-	56.4	57.5	53.9	52.7	-
Radio and TV receiving sets .....	3651	65.0	65.2	62.6	62.3	-	43.8	44.7	42.7	42.1	-
Communication equipment .....	366	661.2	661.9	639.9	663.3	-	292.3	289.4	253.3	273.5	-
Telephone and telegraph apparatus .....	3661	144.0	141.2	100.5	123.4	-	91.9	88.4	51.5	73.0	-
Radio and TV communication equipment .....	3662	517.2	520.7	539.4	539.9	-	200.4	201.0	201.8	200.5	-
Electronic components and accessories .....	367	656.5	654.6	639.8	633.6	-	365.0	363.3	348.9	343.1	-
Electronic tubes .....	3671-3	43.0	42.8	42.4	41.6	-	25.9	25.5	25.4	24.8	-
Semiconductors and related devices .....	3674	278.7	277.1	269.0	269.1	-	106.0	104.5	98.9	99.1	-
Electronic components, nec .....	3679	264.2	262.6	258.8	255.3	-	181.6	180.9	172.5	169.4	-
Misc. electrical equipment and supplies .....	369	149.7	152.4	149.4	146.5	-	104.0	106.5	102.7	100.2	-
Storage batteries .....	3691	26.1	28.3	28.0	26.5	-	20.1	22.4	21.9	20.3	-
Engine electrical equipment .....	3694	64.2	63.8	63.5	62.9	-	48.8	48.1	47.2	46.8	-
Transportation equipment .....	37	1,955.3	1,941.8	1,981.7	1,959.4	1,949.3	1,228.0	1,211.7	1,240.2	1,208.0	1,195.5
Motor vehicles and equipment .....	371	867.8	847.8	847.5	822.2	805.3	667.7	649.1	652.0	624.5	604.8
Motor vehicles and car bodies .....	3711	403.1	382.1	385.8	371.1	-	301.6	282.3	286.3	270.3	-
Truck and bus bodies .....	3713	36.9	36.8	38.0	38.1	-	28.5	28.3	29.7	29.8	-
Motor vehicle parts and accessories .....	3714	385.7	387.2	379.4	369.7	-	305.5	307.1	302.0	291.1	-
Truck trailers .....	3715	29.2	27.8	28.7	28.0	-	22.5	21.1	22.2	21.7	-
Aircraft and parts .....	372	635.7	640.4	668.7	672.8	-	300.0	302.8	323.6	322.5	-
Aircraft .....	3721	332.6	335.3	354.3	358.3	-	137.6	139.1	152.1	153.5	-
Aircraft engines and engine parts .....	3724	146.0	146.2	148.0	147.5	-	72.6	72.3	75.0	74.0	-
Aircraft equipment, nec .....	3728	157.1	158.9	166.4	167.0	-	89.8	91.4	96.5	95.0	-
Ship and boat building and repairing .....	373	179.7	179.3	183.3	180.4	-	133.5	132.1	137.8	134.3	-
Ship building and repairing .....	3731	133.3	133.8	134.9	133.4	-	96.0	95.5	99.0	96.7	-
Boat building and repairing .....	3732	46.4	45.5	48.4	47.0	-	37.5	36.6	38.8	37.6	-
Railroad equipment .....	374	33.0	33.2	26.8	28.2	-	22.7	23.0	18.8	20.1	-
Guided missiles, space vehicles, and parts .....	376	173.9	175.8	189.4	191.3	-	60.2	60.8	63.3	63.4	-
Guided missiles and space vehicles .....	3761	134.4	135.8	145.5	146.9	-	45.4	45.9	47.0	47.2	-
Miscellaneous transportation equipment .....	379	52.8	53.1	53.8	52.4	-	35.1	35.4	36.1	34.8	-
Travel trailers and campers .....	3792	20.2	20.7	21.6	20.5	-	15.9	16.4	16.8	15.9	-
Instruments and related products .....	38	724.1	726.4	720.2	712.1	718.7	390.1	392.2	391.8	384.5	392.8
Engineering and scientific instruments .....	381	84.4	84.6	83.7	83.0	-	36.7	36.7	36.8	36.0	-
Measuring and controlling devices .....	382	255.6	255.1	251.8	249.3	-	140.6	140.4	139.1	136.6	-
Environmental controls .....	3822	42.8	43.1	42.0	39.9	-	27.1	27.2	27.2	25.3	-
Process control instruments .....	3823	58.8	58.1	55.4	54.8	-	29.8	29.6	28.2	27.7	-
Instruments to measure electricity .....	3825	110.8	110.1	109.3	109.5	-	57.2	56.5	54.4	54.3	-
Optical instruments and lenses .....	383	33.6	33.1	32.3	32.0	-	17.2	16.7	16.1	15.9	-
Medical instruments and supplies .....	384	173.1	175.5	183.7	181.7	-	102.6	104.2	111.4	109.7	-
Surgical and medical instruments .....	3841	84.6	85.0	87.9	87.5	-	46.4	46.4	50.5	50.4	-
Surgical appliances and supplies .....	3842	74.6	76.3	80.7	79.2	-	48.2	49.7	52.4	50.8	-
Ophthalmic goods .....	385	39.7	40.1	40.2	39.7	-	26.3	26.8	27.1	26.7	-
Photographic equipment and supplies .....	386	126.0	125.7	117.5	116.3	-	58.3	58.3	53.6	52.8	-
Watches, clocks, and watchcases .....	387	11.7	12.3	11.0	10.1	-	8.4	9.1	7.7	6.8	-
Miscellaneous manufacturing .....	39	357.6	369.5	370.4	354.9	371.8	255.5	268.5	268.5	257.4	272.6
Jewelry, silverware, and plated ware .....	391	50.8	54.1	53.3	49.0	-	33.7	36.9	36.9	33.6	-
Jewelry, precious metal .....	3911	34.2	36.8	35.9	33.3	-	22.4	25.1	24.6	22.6	-
Musical instruments .....	393	13.4	13.8	14.6	13.9	-	10.3	10.8	11.7	11.1	-
Toys and sporting goods .....	394	94.4	96.6	99.8	95.7	-	69.4	72.0	74.0	72.2	-
Dolls, games, toys, and children's vehicles .....	3942.4	44.5	47.1	46.5	42.9	-	31.6	34.3	32.5	31.3	-
Sporting and athletic goods, nec .....	3949	49.9	49.5	53.3	52.8	-	37.8	37.7	41.5	40.9	-
Pens, pencils, office, and art supplies .....	395	32.2	32.3	32.0	31.7	-	21.5	21.7	21.7	21.5	-
Costume jewelry and notions .....	396	35.8	40.9	39.1	35.6	-	27.2	32.7	29.9	27.2	-
Costume jewelry .....	3961	19.3	22.8	21.2	19.3	-	14.8	18.8	16.2	14.9	-
Miscellaneous manufactures .....	399	131.0	131.8	131.6	129.0	-	93.4	94.4	94.3	91.8	-
Signs and advertising displays .....	3993	53.4	53.8	54.4	54.2	-	37.3	37.8	37.9	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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>P</sup>	Aug. 1986 <sup>P</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>P</sup>	Aug. 1986 <sup>P</sup>
<b>Nondurable goods</b> .....		7,757	7,895	7,875	7,798	7,954	5,419	5,558	5,552	5,480	5,634
Food and kindred products .....	20	1,637.4	1,697.1	1,648.1	1,680.1	1,740.1	1,148.5	1,206.1	1,156.7	1,187.4	1,247.3
Meat products .....	201	367.8	371.5	383.8	388.8	-	310.1	314.2	327.1	331.7	-
Meat packing plants .....	2011	141.6	143.7	143.1	144.3	-	117.6	119.9	120.2	121.4	-
Sausages and other prepared meats .....	2013	76.0	75.4	76.1	76.8	-	56.0	55.5	56.3	56.5	-
Poultry dressing plants .....	2016	130.3	130.8	140.4	143.2	-	119.0	119.5	128.4	131.2	-
Dairy products .....	202	167.6	166.6	168.0	168.6	-	100.6	99.7	100.9	101.6	-
Cheese, natural and processed .....	2022	40.4	40.3	40.6	40.1	-	31.7	31.5	31.2	30.9	-
Fluid milk .....	2026	88.0	87.9	88.9	88.8	-	42.4	42.4	43.9	43.9	-
Preserved fruits and vegetables .....	203	255.0	303.0	241.4	262.9	-	213.2	259.2	197.9	218.2	-
Canned specialties .....	2032	22.4	25.8	24.0	24.8	-	15.7	18.9	16.8	17.7	-
Canned fruits and vegetables .....	2033	96.3	132.4	82.2	103.9	-	81.1	115.7	66.7	87.5	-
Frozen fruits and vegetables .....	2037	56.9	59.4	56.8	57.3	-	50.4	53.0	49.8	50.3	-
Grain mill products .....	204	124.9	126.6	124.1	123.5	-	84.9	86.5	84.8	84.8	-
Flour and other grain mill products .....	2041	22.2	22.4	22.1	22.1	-	14.3	14.4	15.1	15.2	-
Prepared feeds, nec .....	2048	45.9	46.0	44.5	44.0	-	29.2	29.2	27.8	27.6	-
Bakery products .....	205	211.9	212.5	215.8	217.5	-	127.0	127.3	130.0	131.7	-
Bread, cake, and related products .....	2051	167.0	167.8	171.4	172.2	-	91.0	91.5	94.6	95.0	-
Cookies and crackers .....	2052	44.9	44.7	44.4	45.3	-	36.0	35.8	35.4	36.7	-
Sugar and confectionery products .....	206	87.8	94.3	92.8	90.5	-	66.6	72.6	71.7	69.5	-
Cane and beet sugar .....	2061-3	19.1	19.9	19.3	18.1	-	14.5	15.2	14.9	14.0	-
Confectionery products .....	2065	49.3	54.1	53.6	51.8	-	39.2	43.7	43.4	41.7	-
Fats and oils .....	207	33.8	33.6	34.7	34.6	-	24.7	24.4	25.3	24.9	-
Beverages .....	208	222.3	222.3	222.1	223.8	-	96.4	96.8	96.4	97.7	-
Malt beverages .....	2082	45.4	44.2	44.7	45.2	-	29.5	28.3	28.7	29.3	-
Bottled and canned soft drinks .....	2086	132.1	131.7	130.9	132.0	-	43.7	43.5	43.3	43.9	-
Misc. food and kindred products .....	209	166.3	166.7	165.4	169.9	-	125.0	125.4	122.6	127.3	-
Tobacco manufactures .....	21	59.8	65.0	58.3	58.1	59.9	43.9	48.9	42.9	42.5	44.3
Cigarettes .....	211	44.7	44.7	43.8	43.8	-	33.1	33.3	32.4	32.3	-
Textile mill products .....	22	685.9	700.9	710.8	697.5	716.5	590.7	606.6	615.1	602.0	620.7
Weaving mills, cotton .....	221	102.8	103.0	99.6	96.8	-	92.1	92.6	89.5	86.6	-
Weaving mills, synthetics .....	222	89.6	90.2	89.1	88.1	-	79.3	79.9	79.3	78.5	-
Weaving and finishing mills, wool .....	223	16.1	16.8	16.8	16.3	-	13.5	14.2	14.1	13.5	-
Narrow fabric mills .....	224	19.7	20.7	21.1	19.1	-	16.4	17.6	18.2	16.3	-
Knitting mills .....	225	197.2	200.0	208.6	206.6	-	172.0	175.3	181.8	180.0	-
Women's hosiery, except socks .....	2251	35.0	35.7	35.8	35.4	-	31.5	32.2	31.9	31.4	-
Hosiery, nec .....	2252	34.3	34.8	35.9	35.5	-	30.6	31.1	32.1	31.8	-
Knit outerwear mills .....	2253	63.5	64.5	70.2	70.1	-	55.7	56.8	61.6	61.6	-
Knit underwear mills .....	2254	24.4	24.8	24.3	24.0	-	20.5	20.8	20.1	19.8	-
Circular knit fabric mills .....	2257	21.9	21.8	23.8	23.3	-	18.7	19.0	20.8	20.4	-
Textile finishing, except wool .....	226	55.5	57.7	58.2	55.9	-	46.2	48.2	49.0	46.6	-
Finishing plants, cotton .....	2261	21.4	22.1	22.2	21.1	-	17.9	18.7	19.0	17.8	-
Finishing plants, synthetics .....	2262	21.2	21.8	21.5	20.6	-	17.3	17.7	17.5	16.7	-
Floor covering mills .....	227	54.3	56.0	57.4	57.5	-	43.8	45.9	47.3	47.3	-
Yarn and thread mills .....	228	97.3	101.2	104.4	103.0	-	85.9	89.8	92.8	91.6	-
Yarn mills, except wool .....	2281	69.1	72.1	74.4	74.5	-	62.0	65.0	67.1	67.2	-
Throwing and winding mills .....	2282	15.7	15.9	16.9	16.7	-	13.8	14.0	14.7	14.5	-
Miscellaneous textile goods .....	229	53.4	55.3	55.6	54.2	-	41.5	43.1	43.1	41.6	-
Apparel and other textile products .....	23	1,085.5	1,119.5	1,121.3	1,070.5	1,108.0	911.1	943.3	945.9	899.1	935.1
Men's and boys' suits and coats .....	231	62.2	63.0	61.1	59.5	-	54.3	55.0	52.6	51.2	-
Men's and boys' furnishings .....	232	305.4	315.5	321.1	307.4	-	263.8	273.4	278.2	265.8	-
Men's and boys' shirts and nightwear .....	2321	83.1	83.9	86.5	85.1	-	72.1	72.7	74.8	73.6	-
Men's and boys' separate trousers .....	2327	55.4	57.7	57.1	54.2	-	48.6	50.8	50.1	47.4	-
Men's and boys' work clothing .....	2328	93.5	98.8	100.5	96.3	-	80.8	86.2	88.1	84.0	-
Women's and misses' outerwear .....	233	344.2	357.7	354.3	329.1	-	283.9	297.5	296.0	273.1	-
Women's and misses' blouses and waists .....	2331	52.4	53.7	51.9	50.8	-	43.6	44.8	42.9	42.0	-
Women's and misses' dresses .....	2335	89.8	93.5	93.6	82.5	-	74.8	78.3	78.9	68.4	-
Women's and misses' suits and coats .....	2337	44.1	47.4	46.1	43.2	-	36.3	39.3	37.8	35.0	-
Women's and misses' outerwear, nec .....	2339	157.9	163.1	162.7	152.6	-	129.2	135.1	136.4	127.7	-

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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Apparel and other textile products—Continued											
Women's and children's undergarments .....	234	73.7	76.3	76.6	74.5	-	61.4	63.7	63.8	61.7	-
Women's and children's underwear .....	2341	59.4	61.7	61.5	59.9	-	50.8	52.9	52.6	50.8	-
Brassieres and allied garments .....	2342	14.3	14.6	15.1	14.6	-	10.6	10.8	11.2	10.9	-
Children's outerwear .....	236	61.8	61.0	65.1	62.8	-	52.1	51.2	55.1	52.9	-
Children's dresses and blouses .....	2361	24.9	24.7	26.8	25.3	-	21.9	21.7	23.5	22.3	-
Misc. apparel and accessories .....	238	43.2	44.3	42.5	41.6	-	35.9	36.7	35.4	34.5	-
Misc. fabricated textile products .....	239	175.6	183.0	181.5	176.7	-	144.0	150.9	149.7	145.0	-
Curtains and draperies .....	2391	23.5	25.7	26.4	25.7	-	18.6	20.7	21.2	20.7	-
House furnishings, nec .....	2392	47.8	50.5	50.2	49.9	-	40.6	43.3	42.8	42.4	-
Automotive and apparel trimmings .....	2396	36.6	37.3	37.6	35.5	-	30.4	31.1	31.7	29.5	-
Paper and allied products .....	26	685.4	686.9	696.8	690.0	691.8	517.0	520.7	530.2	522.9	525.0
Paper and pulp mills .....	261,2,6	199.0	198.8	200.8	197.2	-	151.5	151.5	154.1	150.4	-
Paper mills, except building paper .....	262	175.5	174.8	175.8	171.9	-	132.4	132.0	134.1	130.3	-
Paperboard mills .....	263	55.4	55.6	55.7	55.5	-	42.3	42.8	42.6	42.3	-
Misc. converted paper products .....	264	233.7	234.4	241.3	240.3	-	171.0	172.8	178.5	177.2	-
Paper coating and glazing .....	2641	59.5	59.3	59.7	59.8	-	37.4	37.7	37.4	37.4	-
Envelopes .....	2642	26.2	26.7	27.7	27.0	-	19.7	20.2	21.5	20.8	-
Bags, except textile bags .....	2643	50.0	50.5	52.5	52.4	-	39.2	39.6	41.1	41.1	-
Paperboard containers and boxes .....	265	197.3	198.1	199.0	197.0	-	152.2	153.6	155.0	153.0	-
Folding paperboard boxes .....	2651	42.7	43.0	42.8	42.2	-	33.4	34.0	34.2	33.5	-
Corrugated and solid fiber boxes .....	2653	102.9	103.4	104.0	102.7	-	77.7	78.2	78.7	77.5	-
Sanitary food containers .....	2654	24.8	24.5	25.0	25.2	-	20.7	20.6	21.2	21.4	-
Printing and publishing .....	27	1,434.3	1,439.0	1,478.6	1,475.5	1,474.9	789.9	795.1	823.1	818.0	818.7
Newspapers .....	271	451.7	452.3	462.3	461.8	-	168.6	169.2	171.8	171.1	-
Periodicals .....	272	113.0	113.1	111.8	112.2	-	27.8	29.0	33.7	33.9	-
Books .....	273	108.1	108.2	113.9	112.3	-	55.7	55.5	60.5	59.2	-
Book publishing .....	2731	79.0	79.3	84.6	83.7	-	32.4	32.3	37.2	36.6	-
Book printing .....	2732	29.1	28.9	29.3	28.6	-	23.3	23.2	23.3	22.6	-
Miscellaneous publishing .....	274	74.1	74.7	79.9	80.5	-	40.0	40.0	42.9	42.5	-
Commercial printing .....	275	493.1	495.4	512.7	511.0	-	358.1	360.9	372.6	370.5	-
Commercial printing, letterpress .....	2751	158.0	159.5	167.1	166.5	-	115.8	117.1	122.1	121.4	-
Commercial printing, lithographic .....	2752	309.6	309.9	318.3	318.3	-	222.0	223.2	228.9	228.5	-
Manifold business forms .....	276	47.3	47.4	47.6	47.2	-	32.8	32.9	33.3	33.0	-
Blankbooks and bookbinding .....	278	71.3	71.8	74.9	74.5	-	57.6	57.9	60.6	60.0	-
Printing trade services .....	279	51.5	51.6	52.8	53.3	-	37.9	38.1	39.6	39.9	-
Chemicals and allied products .....	28	1,051.0	1,048.2	1,034.3	1,031.9	1,039.2	580.2	579.6	577.8	575.9	583.3
Industrial inorganic chemicals .....	281	143.8	143.7	137.4	136.7	-	72.6	72.7	70.1	70.5	-
Industrial inorganic chemicals, nec .....	2819	94.7	94.9	90.0	89.5	-	49.7	49.8	48.7	48.3	-
Plastics materials and synthetics .....	282	171.7	171.1	167.7	167.0	-	114.5	113.5	113.4	112.4	-
Plastics materials and resins .....	2821	76.0	75.7	75.3	75.4	-	45.8	45.5	45.6	45.4	-
Organic fibers, noncellulosic .....	2824	65.3	65.1	62.0	61.2	-	46.1	46.0	44.9	44.2	-
Drugs .....	283	207.1	206.7	207.7	207.7	-	95.6	95.3	97.1	97.0	-
Pharmaceutical preparations .....	2834	166.4	166.6	167.0	167.1	-	76.0	76.1	77.2	76.9	-
Soap, cleaners, and toilet goods .....	284	149.0	149.8	148.1	149.1	-	94.3	96.0	94.0	94.6	-
Soap and other detergents .....	2841	41.7	42.3	41.9	42.4	-	26.2	27.1	26.8	27.4	-
Toilet preparations .....	2844	67.6	67.9	65.3	65.6	-	46.4	47.1	45.1	45.2	-
Polishing, sanitation, and finishing preparations .....	2842,3	39.7	39.6	40.9	41.1	-	21.7	21.8	22.1	22.0	-
Paints and allied products .....	285	65.3	64.7	64.3	64.3	-	31.7	31.6	31.6	31.5	-
Industrial organic chemicals .....	286	160.1	159.4	155.6	155.7	-	80.6	80.6	82.4	82.4	-
Cyclic crudes and intermediates .....	2865	30.7	30.8	30.4	30.3	-	19.8	20.0	20.1	20.0	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	129.4	128.6	125.2	125.4	-	60.8	60.6	62.3	62.4	-
Agricultural chemicals .....	287	58.8	57.6	58.5	56.6	-	36.3	35.3	35.8	34.3	-
Miscellaneous chemical products .....	289	95.2	95.2	95.0	94.8	-	54.6	54.6	53.4	53.2	-
Petroleum and coal products .....	29	181.8	179.8	166.8	166.0	165.8	110.2	110.0	104.9	105.5	106.8
Petroleum refining .....	291	142.2	140.4	128.3	127.4	-	81.9	81.8	77.2	77.7	-
Paving and roofing materials .....	295	28.1	28.0	27.4	27.6	-	21.5	21.4	21.2	21.4	-

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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Rubber and misc. plastics products .....	30	776.7	790.0	805.4	784.2	799.3	596.1	607.0	627.7	608.1	621.1
Tires and inner tubes .....	301	90.3	92.5	87.5	86.8	-	61.1	61.5	63.0	62.1	-
Rubber and plastics footwear .....	302	13.4	12.8	11.9	11.1	-	10.9	10.9	10.0	9.4	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	22.2	22.0	21.8	21.5	-	14.6	14.6	14.7	14.5	-
Fabricated rubber products, nec .....	306	106.4	108.2	108.7	104.3	-	81.0	82.5	83.2	79.1	-
Miscellaneous plastics products .....	307	544.4	554.5	575.5	560.5	-	428.5	437.5	456.8	443.0	-
Leather and leather products .....	31	159.1	168.4	154.4	143.9	158.5	131.4	140.2	127.3	118.5	131.9
Leather tanning and finishing .....	311	14.5	14.8	14.4	13.2	-	11.9	12.2	12.0	10.9	-
Footwear, except rubber .....	314	95.7	101.9	92.5	86.8	-	81.0	86.8	78.4	73.5	-
Men's footwear, except athletic .....	3143	40.1	42.9	39.5	37.0	-	32.4	35.0	32.0	29.9	-
Women's footwear, except athletic .....	3144	34.3	37.1	33.0	30.7	-	30.1	32.7	28.9	26.9	-
Luggage .....	316	11.1	11.3	10.9	10.2	-	8.2	8.3	7.8	7.2	-
Handbags and personal leather goods .....	317	20.2	22.2	19.2	17.8	-	16.3	18.2	15.2	14.0	-
<b>Transportation and public utilities .....</b>		<b>5,256</b>	<b>5,237</b>	<b>5,216</b>	<b>5,290</b>	<b>5,253</b>	<b>4,353</b>	<b>4,341</b>	<b>4,313</b>	<b>4,388</b>	<b>4,354</b>
Transportation .....		3,000	2,981	3,071	3,051	3,052	-	-	-	-	-
Railroad transportation .....	40	362.1	360.1	326.6	330.6	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	326.6	326.4	295.6	299.4	-	-	-	-	-	-
Local and interurban passenger transit .....	41	230.7	227.9	283.6	239.3	-	210.9	208.8	262.7	218.7	-
Local and suburban transportation .....	411	92.6	92.2	95.9	95.6	-	84.9	84.9	88.3	88.2	-
Taxicabs .....	412	37.5	37.3	36.7	36.4	-	-	-	-	-	-
Intercity highway transportation .....	413	36.4	36.6	38.2	37.4	-	33.4	33.6	34.7	34.1	-
School buses .....	415	42.0	40.0	87.5	46.1	-	-	-	-	-	-
Trucking and warehousing .....	42	1,377.2	1,372.3	1,405.4	1,420.0	-	1,199.4	1,196.4	1,223.1	1,235.8	-
Trucking and trucking terminals .....	421,3	1,286.0	1,278.6	1,312.4	1,324.9	-	1,123.0	1,117.7	1,144.9	1,155.9	-
Public warehousing .....	422	91.2	93.7	93.0	95.1	-	76.4	78.7	78.2	79.9	-
Water transportation .....	44	203.6	193.4	187.1	184.7	-	-	-	-	-	-
Local water transportation .....	445	28.7	28.6	28.6	29.3	-	-	-	-	-	-
Water transportation services .....	446	114.5	104.1	100.1	97.6	-	-	-	-	-	-
Transportation by air .....	45	524.8	527.8	560.5	568.6	-	-	-	-	-	-
Air transportation .....	451,2	461.4	463.7	493.4	500.7	-	-	-	-	-	-
Air transportation services .....	458	63.4	64.1	67.1	67.9	-	-	-	-	-	-
Pipe lines, except natural gas .....	46	19.3	19.3	18.7	18.7	-	13.8	13.8	13.7	13.7	-
Transportation services .....	47	281.8	280.2	289.1	289.4	-	-	-	-	-	-
Freight forwarding .....	471	61.5	61.9	67.9	69.1	-	-	-	-	-	-
Communication and public utilities .....		2,256	2,256	2,145	2,239	2,201	-	-	-	-	-
Communication .....	48	1,324.4	1,324.5	1,214.2	1,301.4	-	1,009.1	1,010.0	912.8	1,001.9	-
Telephone communication .....	481	916.3	914.5	796.2	883.4	-	683.1	682.0	574.9	664.6	-
Radio and television broadcasting .....	483	241.6	242.2	244.1	243.7	-	196.8	197.6	201.6	201.0	-
Radio broadcasting .....	4832	115.3	115.3	116.4	116.4	-	-	-	-	-	-
Television broadcasting .....	4833	126.3	126.9	127.7	127.3	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	931.6	931.3	930.8	937.2	-	745.3	744.9	741.1	746.0	-
Electric services .....	491	454.1	454.3	456.8	458.4	-	354.4	354.6	352.8	353.8	-
Gas production and distribution .....	492	178.6	177.7	165.2	167.7	-	140.7	139.7	129.6	131.9	-
Combination utility services .....	493	206.2	206.2	208.7	209.4	-	170.3	170.3	173.2	173.0	-
Sanitary services .....	495	66.1	66.8	72.2	73.5	-	58.0	58.6	62.7	64.2	-
<b>Wholesale trade .....</b>		<b>5,772</b>	<b>5,790</b>	<b>5,860</b>	<b>5,885</b>	<b>5,894</b>	<b>4,645</b>	<b>4,665</b>	<b>4,702</b>	<b>4,730</b>	<b>4,742</b>
Durable goods .....	50	3,431	3,439	3,475	3,501	3,507	2,748	2,755	2,763	2,791	-
Motor vehicles and automotive equipment .....	501	435.0	435.7	430.6	429.1	-	350.0	350.3	345.7	344.9	-
Automobiles and other motor vehicles .....	5012	108.7	108.8	107.3	106.9	-	-	-	-	-	-
Automotive parts and supplies .....	5013	294.1	294.1	290.7	290.0	-	-	-	-	-	-

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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Wholesale trade—Continued</b>											
Durable goods—Continued											
Furniture and home furnishings .....	502	129.2	130.9	134.3	134.4	-	104.8	106.6	108.4	107.8	-
Furniture .....	5021	56.0	55.9	57.7	57.4	-	-	-	-	-	-
Home furnishings .....	5023	73.2	75.0	76.6	77.0	-	-	-	-	-	-
Lumber and construction materials .....	503	219.4	221.0	232.5	235.0	-	180.1	181.6	191.7	193.7	-
Lumber, plywood, and millwork .....	5031	99.8	101.0	106.2	107.0	-	-	-	-	-	-
Construction materials, nec .....	5039	119.6	120.0	126.3	128.0	-	-	-	-	-	-
Sporting goods, toys, and hobby goods .....	504	81.0	80.4	85.1	83.7	-	66.9	66.2	69.9	68.5	-
Metals and minerals, except petroleum .....	505	140.8	140.5	139.3	138.6	-	112.0	111.7	110.3	109.9	-
Electrical goods .....	506	500.4	500.3	466.5	496.6	-	389.6	388.7	349.1	380.1	-
Electrical apparatus and equipment .....	5063	271.7	271.7	239.6	270.2	-	-	-	-	-	-
Electrical appliances, TV and radios .....	5064	73.9	74.2	73.9	73.3	-	-	-	-	-	-
Electronic parts and equipment .....	5065	154.8	154.4	153.0	153.1	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	256.4	257.7	266.8	267.7	-	205.5	206.5	213.5	214.3	-
Hardware .....	5072	87.1	87.3	89.5	90.5	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	103.4	104.1	107.8	107.7	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	1,473.1	1,476.7	1,519.0	1,519.2	-	1,181.1	1,185.3	1,213.3	1,214.3	-
Commercial machines and equipment .....	5081	526.8	529.6	553.8	553.7	-	-	-	-	-	-
Construction and mining machinery .....	5082	81.5	81.4	82.9	82.9	-	-	-	-	-	-
Farm machinery and equipment .....	5083	133.2	131.7	129.9	130.1	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	317.1	318.4	317.2	316.0	-	-	-	-	-	-
Industrial supplies .....	5085	134.0	133.4	134.9	135.6	-	-	-	-	-	-
Professional equipment and supplies .....	5086	173.8	174.8	180.0	179.3	-	-	-	-	-	-
Miscellaneous durable goods .....	509	196.0	195.6	200.9	196.6	-	157.6	157.9	161.1	157.2	-
Scrap and waste materials .....	5093	92.7	92.1	92.3	89.9	-	-	-	-	-	-
Nondurable goods .....	51	2,341	2,351	2,385	2,384	2,387	1,897	1,910	1,939	1,939	-
Paper and paper products .....	511	187.1	187.4	189.7	188.8	-	152.1	152.5	153.9	152.6	-
Drugs, proprietaries, and sundries .....	512	166.7	167.7	172.0	171.4	-	137.6	138.8	143.6	142.8	-
Apparel, piece goods, and notions .....	513	185.6	186.9	197.2	197.0	-	139.7	140.1	147.6	148.4	-
Groceries and related products .....	514	739.9	740.6	769.3	771.4	-	625.5	628.1	655.3	656.9	-
Groceries, general line .....	5141	237.7	238.6	245.7	247.4	-	-	-	-	-	-
Meats and meat products .....	5147	65.3	64.5	66.6	67.1	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	91.2	90.3	106.6	104.9	-	-	-	-	-	-
Chemicals and allied products .....	516	132.4	133.9	131.4	131.0	-	95.3	96.9	94.7	94.7	-
Petroleum and petroleum products .....	517	208.1	206.4	203.3	203.6	-	160.8	159.9	157.5	157.9	-
Petroleum bulk stations and terminals .....	5171	85.7	85.4	84.5	84.5	-	-	-	-	-	-
Petroleum products, nec .....	5172	122.4	121.0	118.8	119.1	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	155.6	154.6	153.7	155.0	-	130.2	129.2	127.5	128.4	-
Beer and ale .....	5181	96.8	96.4	96.7	97.6	-	-	-	-	-	-
Wines and distilled beverages .....	5182	58.8	58.2	57.0	57.4	-	-	-	-	-	-
Miscellaneous nondurable goods .....	519	435.8	433.7	440.0	440.1	-	352.5	348.8	355.7	356.3	-
Farm supplies .....	5191	157.4	152.8	154.4	154.9	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>17,489</b>	<b>17,573</b>	<b>18,105</b>	<b>18,087</b>	<b>18,135</b>	<b>15,567</b>	<b>15,636</b>	<b>16,125</b>	<b>16,098</b>	<b>16,134</b>
Building materials and garden supplies .....	52	706.7	703.2	713.8	712.0	-	598.8	593.5	602.0	600.0	-
Lumber and other building materials .....	521	375.4	374.7	379.7	383.0	-	321.1	319.6	323.1	326.6	-
Hardware stores .....	525	163.1	162.9	159.7	159.5	-	139.5	139.0	134.9	134.2	-
General merchandise stores .....	53	2,270.8	2,279.2	2,296.2	2,301.9	2,308.9	2,123.5	2,133.2	2,158.0	2,151.5	-
Department stores .....	531	1,905.6	1,911.4	1,936.6	1,942.8	-	1,798.4	1,805.7	1,838.8	1,833.5	-
Variety stores .....	533	222.1	224.0	226.7	225.3	-	201.5	203.2	204.5	202.6	-
Misc. general merchandise stores .....	539	143.1	143.8	132.9	133.8	-	123.6	124.3	114.7	115.4	-
Food stores .....	54	2,799.0	2,799.9	2,935.2	2,943.5	2,941.3	2,587.5	2,587.1	2,711.5	2,718.2	-
Grocery stores .....	541	2,450.6	2,453.3	2,559.2	2,572.2	-	2,281.3	2,281.9	2,377.6	2,389.7	-
Meat markets and freezer provisioners .....	542	61.2	61.1	64.4	64.2	-	-	-	-	-	-
Dairy products stores .....	545	39.6	39.4	46.7	46.7	-	-	-	-	-	-
Retail bakeries .....	546	154.9	155.0	164.6	162.8	-	139.0	139.5	148.9	147.0	-
Automotive dealers and service stations .....	55	1,923.5	1,928.3	1,968.6	1,977.0	1,980.8	1,620.4	1,623.4	1,649.2	1,658.2	-
New and used car dealers .....	551,2	914.6	918.1	939.7	943.3	-	759.9	762.5	780.2	782.8	-
Auto and home supply stores .....	553	309.6	309.6	313.5	316.7	-	250.2	249.9	252.8	256.2	-
Gasoline service stations .....	554	602.5	605.4	617.0	618.8	-	531.3	533.5	535.5	538.9	-

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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Retail trade—Continued</b>											
Apparel and accessory stores .....	56	1,024.2	1,042.9	1,077.0	1,060.8	-	858.1	873.9	908.5	895.6	-
Men's and boys' clothing and furnishings .....	561	109.1	108.9	108.9	106.7	-	90.7	90.0	90.2	87.9	-
Women's ready-to-wear stores .....	562	376.8	381.1	394.4	390.7	-	316.2	319.3	336.4	333.9	-
Family clothing stores .....	565	213.1	219.1	226.4	220.5	-	184.1	189.4	195.5	190.2	-
Shoe stores .....	566	203.9	209.6	210.2	206.5	-	165.0	170.2	168.9	166.6	-
Furniture and home furnishings stores .....	57	725.8	733.1	776.1	778.6	-	598.1	603.9	642.7	646.8	-
Furniture and home furnishings stores .....	571	414.2	416.9	437.5	438.8	-	338.4	340.1	359.6	360.4	-
Furniture stores .....	5712	262.2	263.5	272.5	272.9	-	-	-	-	-	-
Household appliance stores .....	572	85.7	87.4	86.2	85.6	-	72.5	73.3	73.6	73.3	-
Radio, television, and music stores .....	573	225.9	228.8	252.4	254.2	-	187.2	190.5	209.5	213.1	-
Radio and television stores .....	5732	164.2	166.5	181.0	183.2	-	-	-	-	-	-
Music stores .....	5733	61.7	62.3	71.4	71.0	-	-	-	-	-	-
Eating and drinking places .....	58	5,893.3	5,927.4	6,118.8	6,098.2	6,125.3	5,359.7	5,387.0	5,575.3	5,555.9	-
Miscellaneous retail .....	59	2,145.7	2,158.8	2,219.1	2,214.6	-	1,821.1	1,833.6	1,878.2	1,871.9	-
Drug stores and proprietary stores .....	591	540.0	541.6	562.4	560.5	-	464.8	466.7	479.8	477.5	-
Liquor stores .....	592	128.2	126.9	130.2	129.9	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	693.0	701.8	736.1	736.0	-	580.3	588.3	615.4	614.9	-
Sporting goods and bicycle shops .....	5941	115.4	118.3	126.0	126.2	-	-	-	-	-	-
Book stores .....	5942	67.6	70.1	74.7	74.3	-	-	-	-	-	-
Stationery stores .....	5943	73.5	74.1	76.0	75.9	-	-	-	-	-	-
Jewelry stores .....	5944	139.4	139.8	147.2	147.1	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	136.1	136.9	138.2	137.4	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	62.3	62.9	67.1	65.9	-	-	-	-	-	-
Nonstore retailers .....	596	257.1	259.7	250.9	248.7	-	231.1	233.4	226.6	224.3	-
Mail order houses .....	5961	118.5	120.6	117.5	117.4	-	-	-	-	-	-
Merchandising machine operators .....	5962	81.2	81.4	81.6	80.6	-	-	-	-	-	-
Fuel and ice dealers .....	598	102.5	102.0	110.1	109.1	-	85.4	84.7	91.9	90.8	-
Retail stores, nec .....	599	348.2	350.1	349.4	350.0	-	286.8	289.5	288.7	289.5	-
<b>Finance, insurance, and real estate<sup>3</sup></b> .....		6,041	6,058	6,354	6,417	6,450	4,498	4,507	4,707	4,762	4,780
Finance .....		3,011	3,019	3,175	3,207	3,223	-	-	-	-	-
Banking .....	60	1,732.4	1,735.0	1,773.5	1,783.7	-	1,274.3	1,275.0	1,293.0	1,301.5	-
Commercial and stock savings banks .....	602	1,567.4	1,569.2	1,596.9	1,605.8	-	1,146.6	1,147.1	1,159.7	1,167.4	-
State banks, Federal Reserve .....	6022	338.8	339.0	349.3	351.2	-	-	-	-	-	-
State banks, not Federal Reserve .....	6023,4	381.9	382.5	389.2	390.8	-	-	-	-	-	-
Mutual savings banks .....	603	80.8	81.0	84.5	85.1	-	-	-	-	-	-
Credit agencies other than banks .....	61	757.5	762.5	843.1	854.1	-	576.7	581.6	642.8	651.2	-
Savings and loan associations .....	612	352.8	353.0	376.6	380.4	-	270.2	270.3	288.3	291.4	-
Federal savings and loan associations .....	6122	197.8	198.9	212.7	214.3	-	-	-	-	-	-
State associations, insured .....	6123	145.0	144.0	152.7	154.8	-	-	-	-	-	-
Personal credit institutions .....	614	214.1	215.0	230.4	232.7	-	166.7	167.6	181.3	183.2	-
Business credit institutions .....	615	48.5	49.5	54.7	55.0	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	118.2	121.2	156.9	161.3	-	-	-	-	-	-
Security, commodity brokers, and services .....	62	358.3	358.5	385.5	393.3	-	-	-	-	-	-
Security brokers and dealers .....	621	287.0	286.9	306.8	313.1	-	-	-	-	-	-
Holding and other investment offices .....	67	162.9	163.0	172.7	176.2	-	-	-	-	-	-
Insurance .....		1,840	1,846	1,935	1,953	1,963	-	-	-	-	-
Insurance carriers .....	63	1,289.9	1,291.8	1,332.1	1,343.5	-	884.2	884.6	904.5	913.5	-
Life insurance .....	631	558.1	557.7	557.7	561.4	-	346.8	345.5	339.6	342.4	-
Medical service and health insurance .....	632	170.1	170.9	180.2	182.3	-	138.4	139.2	146.2	148.0	-
Fire, marine, and casualty insurance .....	633	474.4	475.2	495.5	499.1	-	331.7	332.1	343.1	345.9	-
Title insurance .....	636	50.8	51.3	58.4	59.7	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	550.4	553.9	602.7	609.8	-	-	-	-	-	-

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>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Real estate, and combined real estate, insurance, etc ....		1,190	1,193	1,244	1,257	1,264	-	-	-	-	-
Real estate .....	65	1,175.9	1,179.3	1,229.5	1,243.0	-	-	-	-	-	
Real estate operators and lessors .....	651	526.8	527.1	527.6	531.9	-	-	-	-	-	
Real estate agents and managers .....	653	468.0	471.7	510.1	517.9	-	-	-	-	-	
Subdividers and developers .....	655	155.1	154.4	162.3	163.2	-	-	-	-	-	
Combined real estate, insurance, etc .....	66	14.1	14.1	14.0	14.3	-	-	-	-	-	
<b>Services .....</b>		<b>22,173</b>	<b>22,252</b>	<b>23,257</b>	<b>23,367</b>	<b>23,387</b>	<b>19,513</b>	<b>19,584</b>	<b>20,441</b>	<b>20,519</b>	<b>20,528</b>
Hotels and other lodging places .....	70	1,455.0	1,470.2	1,439.3	1,490.9	-	-	-	-	-	
Hotels, motels, and tourist courts .....	701	1,376.9	1,385.3	1,388.0	1,410.9	-	1,237.8	1,247.3	1,243.8	1,267.0	
Personal services .....	72	1,035.4	1,034.9	1,115.0	1,108.1	-	-	-	-	-	
Laundry, cleaning, and garment services .....	721	379.9	378.7	401.4	400.2	-	339.3	338.3	357.1	355.7	
Photographic studios, portrait .....	722	53.1	51.8	53.9	53.2	-	-	-	-	-	
Beauty shops .....	723	334.8	336.0	351.6	352.9	-	301.5	302.9	318.0	320.0	
Funeral service and crematories .....	726	76.0	74.9	76.5	76.9	-	-	-	-	-	
Business services .....	73	4,490.8	4,551.3	4,811.4	4,866.3	4,896.5	3,900.0	3,954.2	4,145.0	4,187.2	
Advertising .....	731	194.6	194.0	193.0	192.9	-	144.7	143.7	142.2	142.2	
Advertising agencies .....	7311	145.2	145.0	143.7	143.5	-	-	-	-	-	
Credit reporting and collection .....	732	89.1	90.3	99.5	100.2	-	-	-	-	-	
Mailing, reproduction, and stenographic .....	733	182.0	183.9	200.6	202.6	-	-	-	-	-	
Services to buildings .....	734	654.9	663.4	717.3	718.2	-	596.0	604.1	646.9	648.9	
Personnel supply services .....	736	928.6	955.6	1,002.8	1,032.8	-	-	-	-	-	
Employment agencies .....	7361	169.1	172.6	174.8	181.6	-	-	-	-	-	
Temporary help supply services .....	7362	714.7	737.6	781.3	804.6	-	-	-	-	-	
Computer and data processing services .....	737	550.6	548.7	585.2	588.4	-	454.8	452.0	471.8	472.2	
Computer programming and software .....	7372	198.5	200.5	215.3	217.0	-	-	-	-	-	
Data processing services .....	7374	261.1	258.6	270.9	273.0	-	-	-	-	-	
Miscellaneous business services .....	739	1,882.5	1,906.9	2,004.2	2,022.4	-	-	-	-	-	
Research development laboratories, nec .....	7391	185.0	183.6	191.6	195.7	-	-	-	-	-	
Management and public relations .....	7392	512.6	523.3	556.0	556.2	-	-	-	-	-	
Detective and protective services .....	7393	420.2	425.9	449.6	451.6	-	-	-	-	-	
Equipment rental and leasing .....	7394	186.5	188.3	191.0	189.9	-	-	-	-	-	
Photofinishing laboratories .....	7395	80.1	81.3	80.7	81.3	-	-	-	-	-	
Auto repair, services, and garages .....	75	738.9	745.2	767.6	769.8	-	621.4	624.3	642.4	644.6	
Automotive rentals, without drivers .....	751	156.6	157.5	167.6	167.2	-	-	-	-	-	
Automotive repair shops .....	753	453.4	458.3	461.3	465.7	-	378.4	380.2	383.6	387.5	
Miscellaneous repair services .....	76	323.5	325.3	331.5	332.0	-	269.2	271.3	274.8	275.9	
Electrical repair shops .....	762	102.8	102.9	104.0	105.2	-	-	-	-	-	
Motion pictures .....	78	228.0	226.5	220.7	227.4	-	193.7	193.5	188.0	193.9	
Motion picture production and services .....	781	98.6	100.4	98.3	103.0	-	80.8	83.5	81.3	85.6	
Motion picture theaters .....	783	118.8	115.3	111.1	113.4	-	-	-	-	-	
Amusement and recreation services .....	79	966.0	969.6	1,062.0	1,096.2	-	856.6	860.8	957.9	991.1	
Health services .....	80	6,332.9	6,353.1	6,597.5	6,631.4	6,657.9	5,639.2	5,656.2	5,864.9	5,890.0	
Offices of physicians .....	801	956.8	961.9	1,016.5	1,023.9	-	794.3	797.0	842.0	847.0	
Offices of dentists .....	802	438.9	442.7	461.0	460.0	-	390.9	394.3	406.8	406.3	
Nursing and personal care facilities .....	805	1,219.2	1,228.0	1,287.8	1,296.9	-	1,103.8	1,112.7	1,164.2	1,171.8	
Skilled nursing care facilities .....	8051	801.2	806.6	846.2	852.2	-	-	-	-	-	
Nursing and personal care, nec .....	8059	418.0	421.4	441.6	444.7	-	-	-	-	-	
Hospitals .....	806	3,006.0	3,000.0	3,044.0	3,057.1	-	2,740.5	2,734.4	2,773.7	2,782.8	
General medical and surgical hospitals .....	8062	2,819.9	2,815.1	2,858.1	2,869.7	-	-	-	-	-	
Psychiatric hospitals .....	8063	58.8	57.9	59.5	59.8	-	-	-	-	-	
Specialty hospitals, excluding psychiatric .....	8069	127.3	127.0	126.4	127.6	-	-	-	-	-	
Medical and dental laboratories .....	807	119.8	120.7	129.4	130.0	-	-	-	-	-	
Outpatient care facilities .....	808	216.7	219.6	245.9	248.5	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers <sup>1</sup>				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Services—Continued</b>											
Legal services .....	81	706.3	702.9	746.5	753.4	-	601.9	596.9	631.7	637.8	-
Educational services .....	82	1,138.2	1,130.9	1,258.5	1,166.7	-	-	-	-	-	-
Elementary and secondary schools .....	821	322.7	323.3	377.3	335.9	-	-	-	-	-	-
Colleges and universities .....	822	675.7	666.9	742.4	687.1	-	-	-	-	-	-
Correspondence and vocational schools .....	824	62.9	64.3	66.7	64.4	-	-	-	-	-	-
Social services .....	83	1,343.0	1,342.2	1,406.8	1,409.0	-	-	-	-	-	-
Individual and family services .....	832	266.7	266.0	280.6	290.0	-	-	-	-	-	-
Job training and related services .....	833	219.6	215.2	219.6	227.0	-	-	-	-	-	-
Residential care .....	836	295.5	296.0	312.2	312.7	-	-	-	-	-	-
Museums, botanical and zoological gardens .....	84	44.6	43.8	46.4	46.7	-	-	-	-	-	-
Membership organizations .....	86	1,541.7	1,525.6	1,529.1	1,534.8	-	-	-	-	-	-
Business associations .....	861	89.4	89.0	90.6	93.0	-	-	-	-	-	-
Labor organizations .....	863	139.9	140.6	143.3	139.8	-	-	-	-	-	-
Civic and social associations .....	864	371.8	358.6	349.3	370.1	-	-	-	-	-	-
Miscellaneous services .....	89	1,233.4	1,239.4	1,299.8	1,309.9	-	1,009.0	1,016.9	1,064.0	1,071.6	-
Engineering and architectural services .....	891	680.9	685.1	723.0	728.4	-	573.2	578.9	611.6	617.1	-
Noncommercial research organizations .....	892	118.3	117.4	122.3	125.1	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	893	408.2	411.0	427.8	429.5	-	321.7	324.5	335.2	334.1	-
<b>Government</b> .....		15,690	15,541	16,767	15,852	15,714	-	-	-	-	-
<b>Federal Government<sup>4</sup></b> .....		2,930	2,918	2,918	2,920	2,910	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,871.3	2,755.0	2,861.4	-	-	-	-	-	-	-
Department of Defense .....		1,009.8	966.4	989.7	-	-	-	-	-	-	-
Postal Service <sup>5</sup> .....		755.6	713.5	788.4	-	-	-	-	-	-	-
Other executive agencies .....		1,105.9	1,075.1	1,083.3	-	-	-	-	-	-	-
Legislative .....		40.9	39.4	37.7	-	-	-	-	-	-	-
Judicial .....		17.9	17.1	18.5	-	-	-	-	-	-	-
<b>Federal government, by industry:</b>											
Manufacturing activities .....		132.9	132.3	124.6	123.7	-	-	-	-	-	-
Shipbuilding and repairing .....	3731	80.4	79.9	75.2	74.7	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		41.4	40.6	39.4	39.3	-	-	-	-	-	-
Services .....		419.5	421.5	412.9	414.7	-	-	-	-	-	-
Hospitals .....	806	251.2	252.2	249.2	249.8	-	-	-	-	-	-
State government .....		3,653	3,650	3,821	3,731	3,734	-	-	-	-	-
Hospitals .....	806	455.3	455.3	458.6	460.1	-	-	-	-	-	-
Education .....	82	1,299.9	1,293.4	1,431.8	1,322.8	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,285.1	1,284.1	1,314.5	1,327.1	-	-	-	-	-	-
Local government .....		9,107	8,973	10,028	9,201	9,070	-	-	-	-	-
Transportation and public utilities .....		506.8	511.0	518.8	521.7	-	-	-	-	-	-
Hospitals .....	806	616.7	615.0	622.4	624.0	-	-	-	-	-	-
Education .....	82	4,433.6	4,373.6	5,497.5	4,509.0	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		3,178.2	3,119.8	3,060.7	3,204.2	-	-	-	-	-	-

<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> 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.

<sup>5</sup> Includes rural mail carriers.

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 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	May 1985	June 1985	Apr. 1986	May 1986	June 1986
<b>Total</b> .....	44,009	44,043	45,494	45,797	45,786
<b>Total private</b> .....	35,648	35,898	36,859	37,142	37,363
<b>Goods-producing</b> .....	6,811	6,868	6,855	6,867	6,912
<b>Mining</b> .....	121	122	113	111	109
<b>Construction</b> .....	461	471	500	508	519
<b>Manufacturing</b> .....	6,229	6,275	6,242	6,248	6,284
<b>Durable goods</b> .....	3,044	3,055	3,016	3,018	3,016
Lumber and wood products .....	106	109	110	112	115
Furniture and fixtures .....	149	150	155	155	155
Stone, clay, and glass products .....	113	114	113	114	116
Primary metal industries .....	105	105	102	102	101
Fabricated metal products .....	325	325	324	324	326
Machinery, except electrical .....	486	483	462	460	459
Electrical and electronic equipment .....	932	931	901	903	892
Transportation equipment .....	353	358	369	370	371
Instruments and related products .....	309	311	311	310	311
Miscellaneous manufacturing .....	167	168	169	169	170
<b>Nondurable goods</b> .....	3,185	3,220	3,226	3,230	3,268
Food and kindred products .....	476	495	482	491	511
Tobacco manufactures .....	21	21	20	19	19
Textile mill products .....	335	337	341	343	345
Apparel and other textile products .....	901	902	906	901	903
Paper and allied products .....	165	168	167	168	171
Printing and publishing .....	602	606	627	626	630
Chemicals and allied products .....	286	290	285	286	291
Petroleum and coal products .....	29	29	26	26	26
Rubber and misc. plastics products .....	273	274	279	280	282
Leather and leather products .....	98	99	92	91	91
<b>Service-producing</b> .....	37,198	37,175	38,639	38,930	38,874
<b>Transportation and public utilities</b> .....	1,451	1,460	1,479	1,490	1,453
<b>Wholesale trade</b> .....	1,614	1,630	1,697	1,709	1,708
<b>Retail trade</b> .....	9,035	9,128	9,212	9,355	9,448
<b>Finance, insurance, and real estate</b> .....	3,609	3,650	3,840	3,874	3,927
<b>Services</b> .....	13,128	13,162	13,776	13,847	13,915
<b>Government</b> .....	8,361	8,145	8,635	8,655	8,423
Federal .....	1,009	1,024	1,032	1,035	1,038
State .....	1,793	1,717	1,912	1,889	1,803
Local .....	5,559	5,404	5,691	5,731	5,582

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1985 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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total</b> .....	97,890	98,128	98,428	98,666	98,910	99,296	99,429	99,484	99,783	99,918	99,843	100,122	100,324
<b>Total private</b> .....	81,428	81,592	81,853	82,073	82,281	82,659	82,748	82,785	83,072	83,198	83,161	83,502	83,676
<b>Goods-producing</b> .....	24,880	24,843	24,903	24,931	24,977	25,101	25,038	24,945	25,038	24,965	24,854	24,861	24,923
<b>Mining</b> .....	922	917	913	907	901	897	880	852	821	790	772	764	752
Oil and gas extraction .....	581	577	571	565	560	556	541	518	488	461	446	438	429
<b>Construction</b> .....	4,702	4,728	4,754	4,765	4,787	4,901	4,864	4,838	4,972	4,974	4,947	4,981	5,036
General building contractors .....	1,257	1,267	1,276	1,283	1,287	1,330	1,320	1,298	1,315	1,314	1,299	1,299	1,306
<b>Manufacturing</b> .....	19,256	19,198	19,236	19,259	19,289	19,303	19,294	19,255	19,245	19,201	19,135	19,116	19,135
<b>Durable goods</b> .....	11,473	11,421	11,447	11,453	11,461	11,466	11,455	11,418	11,415	11,378	11,307	11,294	11,295
Lumber and wood products .....	700	702	705	708	710	716	716	715	719	719	721	720	725
Furniture and fixtures .....	495	491	493	493	494	494	494	493	494	496	496	498	497
Stone, clay, and glass products .....	591	590	591	591	591	593	596	597	594	600	599	597	592
Primary metal industries .....	798	795	797	801	803	798	795	787	785	780	761	756	733
Blast furnaces and basic steel products .....	302	304	304	302	303	300	299	293	291	288	286	283	261
Fabricated metal products .....	1,463	1,459	1,460	1,459	1,456	1,455	1,452	1,450	1,451	1,447	1,440	1,429	1,432
Machinery, except electrical .....	2,164	2,147	2,146	2,139	2,133	2,137	2,127	2,118	2,111	2,100	2,089	2,081	2,079
Electrical and electronic equipment .....	2,195	2,179	2,181	2,179	2,182	2,182	2,181	2,177	2,177	2,175	2,143	2,169	2,165
Transportation equipment .....	1,977	1,970	1,987	1,993	1,998	1,996	1,998	1,989	1,986	1,972	1,974	1,975	1,985
Motor vehicles and equipment .....	876	871	873	870	872	867	864	858	854	839	839	830	832
Instruments and related products .....	724	723	722	723	725	724	725	726	723	721	717	711	717
Miscellaneous manufacturing .....	366	365	365	367	367	368	370	369	369	369	369	363	368
<b>Nondurable goods</b> .....	7,783	7,777	7,789	7,806	7,828	7,837	7,839	7,837	7,830	7,823	7,828	7,822	7,840
Food and kindred products .....	1,608	1,607	1,610	1,612	1,623	1,623	1,631	1,632	1,633	1,640	1,648	1,646	1,649
Tobacco manufactures .....	64	65	64	65	64	64	63	63	63	62	62	62	59
Textile mill products .....	698	697	699	701	702	702	705	707	703	705	707	710	713
Apparel and other textile products .....	1,117	1,121	1,121	1,122	1,130	1,133	1,122	1,117	1,119	1,113	1,106	1,106	1,106
Paper and allied products .....	682	682	683	687	686	687	687	688	689	689	690	687	687
Printing and publishing .....	1,442	1,442	1,447	1,454	1,457	1,461	1,467	1,469	1,472	1,474	1,477	1,481	1,478
Chemicals and allied products .....	1,043	1,042	1,040	1,037	1,035	1,034	1,032	1,031	1,028	1,024	1,026	1,026	1,034
Petroleum and coal products .....	177	171	171	170	169	168	167	166	166	166	164	162	163
Rubber and misc. plastics products .....	787	785	790	794	798	802	803	804	800	796	797	791	796
Leather and leather products .....	165	165	164	164	164	163	162	160	157	154	151	151	155
<b>Service-producing</b> .....	73,010	73,285	73,525	73,735	73,933	74,195	74,391	74,539	74,745	74,953	74,989	75,261	75,401
<b>Transportation and public utilities</b> .....	5,219	5,257	5,260	5,272	5,277	5,286	5,277	5,280	5,266	5,265	5,167	5,276	5,236
Transportation .....	2,983	3,023	3,026	3,040	3,046	3,056	3,048	3,053	3,040	3,037	3,035	3,057	3,055
Communication and public utilities .....	2,236	2,234	2,234	2,232	2,231	2,230	2,229	2,227	2,226	2,228	2,132	2,219	2,181
<b>Wholesale trade</b> .....	5,762	5,777	5,796	5,796	5,809	5,830	5,843	5,841	5,864	5,872	5,829	5,851	5,866
Durable goods .....	3,424	3,432	3,442	3,451	3,460	3,470	3,482	3,480	3,485	3,488	3,454	3,484	3,493
Nondurable goods .....	2,338	2,345	2,354	2,345	2,349	2,360	2,361	2,361	2,379	2,384	2,375	2,367	2,373
<b>Retail trade</b> .....	17,464	17,489	17,543	17,589	17,622	17,734	17,795	17,828	17,851	17,911	17,944	17,997	18,027
General merchandise stores .....	2,328	2,326	2,329	2,326	2,317	2,328	2,333	2,333	2,342	2,344	2,350	2,356	2,358
Food stores .....	2,805	2,813	2,828	2,845	2,870	2,880	2,891	2,901	2,910	2,917	2,932	2,938	2,947
Automotive dealers and service stations .....	1,904	1,910	1,916	1,918	1,922	1,929	1,938	1,939	1,940	1,944	1,945	1,950	1,957
Eating and drinking places .....	5,749	5,761	5,772	5,783	5,801	5,831	5,854	5,868	5,859	5,889	5,918	5,932	5,941
<b>Finance, insurance, and real estate</b> .....	5,988	6,014	6,038	6,070	6,095	6,123	6,157	6,184	6,228	6,261	6,295	6,335	6,376
Finance .....	2,998	3,011	3,024	3,039	3,053	3,066	3,082	3,095	3,120	3,137	3,159	3,178	3,201
Insurance .....	1,839	1,846	1,852	1,862	1,868	1,878	1,889	1,900	1,910	1,918	1,927	1,945	1,955
Real estate .....	1,151	1,157	1,162	1,169	1,174	1,179	1,186	1,189	1,198	1,206	1,209	1,212	1,220
<b>Services</b> .....	22,115	22,212	22,313	22,415	22,501	22,585	22,638	22,707	22,825	22,924	23,072	23,182	23,248
Business services .....	4,504	4,542	4,567	4,604	4,631	4,660	4,687	4,698	4,750	4,755	4,792	4,837	4,843
Health services .....	6,333	6,350	6,375	6,401	6,424	6,447	6,471	6,497	6,511	6,543	6,571	6,598	6,638
<b>Government</b> .....	16,462	16,536	16,575	16,593	16,629	16,637	16,681	16,699	16,711	16,720	16,682	16,620	16,648
Federal .....	2,886	2,899	2,895	2,904	2,913	2,918	2,918	2,923	2,914	2,899	2,875	2,868	2,878
State .....	3,855	3,878	3,895	3,901	3,904	3,916	3,924	3,927	3,938	3,936	3,927	3,932	3,943
Local .....	9,721	9,759	9,785	9,788	9,812	9,803	9,839	9,849	9,859	9,885	9,880	9,820	9,827

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are

introduced, all seasonally adjusted data from January 1982 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	1985							1986					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>Total</b> .....	43,869	43,996	44,135	44,255	44,427	44,601	44,753	44,955	45,127	45,237	45,397	45,556	45,602
<b>Total private</b> .....	35,728	35,808	35,930	36,007	36,160	36,319	36,446	36,639	36,767	36,867	37,014	37,142	37,182
<b>Goods-producing</b> .....	6,826	6,816	6,819	6,811	6,825	6,847	6,866	6,893	6,889	6,887	6,893	6,885	6,866
<b>Mining</b> .....	121	119	120	120	120	120	119	120	120	118	114	112	108
<b>Construction</b> .....	465	467	470	472	478	482	486	494	493	499	505	510	512
<b>Manufacturing</b> .....	6,240	6,230	6,229	6,219	6,227	6,245	6,261	6,279	6,276	6,270	6,274	6,263	6,246
<b>Durable goods</b> .....	3,037	3,023	3,022	3,004	3,009	3,012	3,011	3,020	3,017	3,014	3,019	3,016	2,996
Lumber and wood products .....	107	107	108	108	108	109	110	110	111	112	111	112	113
Furniture and fixtures .....	151	151	152	151	152	152	152	152	153	154	154	155	155
Stone, clay, and glass products .....	113	113	113	112	112	113	113	115	114	113	114	114	115
Primary metal industries .....	104	103	103	102	102	103	103	103	103	102	102	101	99
Fabricated metal products .....	323	322	322	321	322	322	322	322	322	322	322	324	324
Machinery, except electrical .....	480	475	470	467	466	463	461	464	460	460	461	458	456
Electrical and electronic equipment .....	926	919	917	908	907	906	905	905	903	901	902	903	887
Transportation equipment .....	356	358	360	360	363	366	366	366	368	370	369	370	369
Instruments and related products .....	310	309	310	309	309	309	310	311	311	312	311	310	309
Miscellaneous manufacturing .....	167	166	167	166	168	169	169	170	170	169	170	170	169
<b>Nondurable goods</b> .....	3,203	3,207	3,207	3,215	3,218	3,233	3,250	3,259	3,259	3,256	3,255	3,247	3,250
Food and kindred products .....	502	495	495	495	498	500	508	507	513	513	512	513	517
Tobacco manufactures .....	23	22	22	23	22	23	22	22	22	22	22	21	21
Textile mill products .....	335	333	335	334	335	337	337	340	342	343	341	343	343
Apparel and other textile products .....	891	899	897	901	900	901	908	912	902	899	902	895	892
Paper and allied products .....	165	166	166	166	166	168	167	167	168	168	168	168	168
Printing and publishing .....	604	608	608	611	611	616	617	619	622	623	626	625	629
Chemicals and allied products .....	287	286	286	287	286	286	287	287	287	287	286	287	288
Petroleum and coal products .....	29	28	28	27	27	27	27	26	26	26	26	26	25
Rubber and misc. plastics products .....	270	271	272	273	275	278	279	282	281	281	279	278	278
Leather and leather products .....	97	99	98	98	98	97	98	97	96	94	93	91	89
<b>Service-producing</b> .....	37,043	37,180	37,316	37,444	37,602	37,754	37,887	38,062	38,238	38,350	38,504	38,671	38,736
<b>Transportation and public utilities</b> .....	1,448	1,454	1,454	1,459	1,464	1,468	1,472	1,475	1,478	1,482	1,483	1,486	1,441
<b>Wholesale trade</b> .....	1,628	1,630	1,638	1,640	1,648	1,653	1,660	1,676	1,689	1,691	1,707	1,718	1,706
<b>Retail trade</b> .....	9,080	9,088	9,102	9,116	9,151	9,185	9,193	9,268	9,313	9,347	9,362	9,383	9,392
<b>Finance, insurance, and real estate</b> .....	3,628	3,644	3,666	3,682	3,699	3,730	3,748	3,771	3,796	3,816	3,848	3,878	3,904
<b>Services</b> .....	13,118	13,176	13,251	13,299	13,373	13,436	13,507	13,556	13,602	13,644	13,721	13,792	13,873
<b>Government</b> .....	8,141	8,188	8,205	8,248	8,267	8,282	8,307	8,316	8,360	8,370	8,383	8,414	8,420
Federal .....	1,005	1,008	1,013	1,019	1,022	1,026	1,031	1,034	1,038	1,036	1,034	1,030	1,020
State .....	1,780	1,791	1,798	1,810	1,816	1,821	1,824	1,832	1,843	1,847	1,856	1,863	1,868
Local .....	5,356	5,389	5,394	5,419	5,429	5,435	5,452	5,450	5,479	5,487	5,493	5,521	5,532

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	65,815	65,936	66,168	66,347	66,510	66,856	66,945	66,916	67,167	67,261	67,223	67,531	67,665
<b>Goods-producing</b> .....	17,414	17,381	17,425	17,440	17,486	17,597	17,536	17,454	17,546	17,475	17,388	17,394	17,461
<b>Mining</b> .....	655	650	647	642	638	634	622	598	573	547	535	531	525
<b>Construction</b> .....	3,681	3,702	3,719	3,724	3,748	3,852	3,817	3,795	3,913	3,903	3,874	3,900	3,952
<b>Manufacturing</b> .....	13,078	13,029	13,059	13,074	13,100	13,111	13,097	13,061	13,060	13,025	12,979	12,963	12,984
<b>Durable goods</b> .....	7,619	7,572	7,594	7,594	7,595	7,595	7,579	7,545	7,547	7,519	7,462	7,447	7,451
Lumber and wood products .....	589	590	593	595	597	602	602	602	605	605	606	604	610
Furniture and fixtures .....	395	392	393	394	394	394	394	395	395	397	397	398	399
Stone, clay, and glass products .....	453	452	453	454	455	459	459	459	463	462	460	457	458
Primary metal industries .....	603	602	603	608	611	606	604	596	596	591	574	568	545
Blast furnaces and basic steel products .....	225	228	227	233	234	232	231	225	224	222	220	219	196
Fabricated metal products .....	1,082	1,079	1,080	1,078	1,076	1,076	1,072	1,069	1,073	1,068	1,062	1,053	1,057
Machinery, except electrical .....	1,299	1,288	1,289	1,283	1,278	1,280	1,272	1,267	1,263	1,256	1,250	1,240	1,241
Electrical and electronic equipment .....	1,289	1,273	1,274	1,270	1,267	1,262	1,258	1,252	1,249	1,250	1,224	1,247	1,244
Transportation equipment .....	1,253	1,244	1,258	1,260	1,263	1,259	1,258	1,247	1,245	1,233	1,233	1,229	1,236
Motor vehicles and equipment .....	679	671	678	674	676	669	666	660	658	645	644	635	634
Instruments and related products .....	392	390	389	389	390	391	392	392	392	390	389	386	393
Miscellaneous manufacturing .....	264	262	262	263	264	266	268	266	266	267	267	265	268
<b>Nondurable goods</b> .....	5,459	5,457	5,465	5,480	5,505	5,516	5,518	5,516	5,513	5,506	5,517	5,516	5,533
Food and kindred products .....	1,122	1,122	1,124	1,126	1,137	1,137	1,145	1,145	1,145	1,149	1,160	1,157	1,160
Tobacco manufactures .....	48	49	48	48	48	48	47	48	48	47	46	47	43
Textile mill products .....	603	602	603	605	606	608	609	611	607	610	611	614	617
Apparel and other textile products .....	941	944	945	946	952	956	946	940	943	938	933	934	933
Paper and allied products .....	517	516	517	520	520	521	521	521	522	523	524	521	521
Printing and publishing .....	799	798	799	804	808	811	815	817	820	820	823	825	823
Chemicals and allied products .....	577	578	577	575	575	573	574	573	572	569	572	574	581
Petroleum and coal products .....	108	104	104	105	104	104	104	103	103	103	103	103	104
Rubber and misc. plastics products .....	607	607	611	615	619	623	623	625	623	620	621	617	622
Leather and leather products .....	137	137	137	136	136	135	134	133	130	127	124	124	129
<b>Service-producing</b> .....	48,401	48,555	48,743	48,907	49,024	49,259	49,409	49,462	49,621	49,786	49,835	50,137	50,204
<b>Transportation and public utilities</b> .....	4,325	4,356	4,362	4,374	4,381	4,384	4,377	4,373	4,362	4,361	4,270	4,375	4,337
<b>Wholesale trade</b> .....	4,637	4,642	4,659	4,658	4,665	4,686	4,695	4,693	4,712	4,711	4,674	4,706	4,714
<b>Retail trade</b> .....	15,542	15,556	15,613	15,657	15,669	15,794	15,854	15,867	15,880	15,939	15,981	16,018	16,038
<b>Finance, insurance, and real estate</b> .....	4,440	4,455	4,472	4,495	4,513	4,532	4,554	4,571	4,603	4,629	4,651	4,682	4,709
<b>Services</b> .....	19,457	19,546	19,637	19,723	19,796	19,863	19,929	19,958	20,064	20,146	20,259	20,356	20,406

<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 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 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	1984.....	67.8	72.7	67.6	67.6	62.4	65.4	62.2	55.9	50.5	63.0	53.5	57.0
	1985.....	52.4	47.8	53.8	49.2	51.6	47.0	56.2	56.8	50.8	61.9	57.6	59.5
	1986.....	59.7	53.5	45.1	54.1	49.2	46.2	<sup>p</sup> 52.7	<sup>p</sup> 58.4				
Over 3-month span	1984.....	76.5	75.1	75.9	71.4	71.6	68.1	63.2	58.1	56.8	53.5	58.1	53.0
	1985.....	51.1	49.7	46.2	46.2	45.1	51.4	49.7	51.1	55.1	55.9	61.4	60.5
	1986.....	58.1	54.3	51.1	49.7	48.4	<sup>p</sup> 43.8	<sup>p</sup> 49.5					
Over 6-month span	1984.....	78.1	76.5	77.0	75.1	69.2	65.1	63.2	59.2	58.6	53.2	49.7	54.9
	1985.....	49.2	47.8	43.0	45.9	44.3	44.3	48.9	50.8	54.1	57.0	57.0	55.9
	1986.....	53.8	53.8	47.6	<sup>p</sup> 44.9	<sup>p</sup> 47.8							
Over 12-month span	1984.....	81.1	78.1	72.2	72.2	68.9	67.8	65.7	62.7	59.7	54.6	51.4	48.6
	1985.....	46.2	45.7	46.8	43.8	44.9	47.3	47.6	48.9	47.3	49.5	48.9	48.6
	1986.....	<sup>p</sup> 50.3	<sup>p</sup> 51.6										

<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 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Alabama</b> .....	1,431.9	1,443.9	1,448.5	14.8	12.2	12.0	74.2	72.2	74.8
Birmingham .....	370.2	378.5	380.9	7.6	6.1	5.9	21.1	22.3	23.2
Huntsville .....	111.4	115.1	115.0	.1	.1	.1	4.6	4.6	4.8
Mobile .....	160.2	158.3	158.0	1.1	.9	.9	11.8	11.0	11.2
Montgomery .....	116.4	117.2	117.9	.1	.1	.1	7.8	7.8	7.8
Tuscaloosa .....	52.7	53.9	54.2	3.0	2.9	2.9	2.7	3.1	3.2
<b>Alaska</b> .....	249.3	234.0	244.8	9.7	8.8	8.8	22.5	17.1	18.1
<b>Arizona</b> .....	1,261.3	1,333.7	1,333.2	11.8	10.7	10.6	113.2	117.7	118.5
Phoenix .....	830.1	884.0	883.9	.6	.6	.5	78.4	82.6	82.9
Tucson .....	228.1	240.1	238.4	2.3	1.6	1.6	22.2	22.4	22.5
<b>Arkansas</b> .....	800.0	819.8	816.7	5.6	4.5	4.6	38.6	38.6	40.1
Fayetteville-Springdale .....	42.9	44.0	43.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.1
Fort Smith .....	70.3	72.3	72.6	1.2	1.0	1.0	3.1	3.4	3.4
Little Rock-North Little Rock .....	220.6	223.4	222.5	.4	.4	.4	12.2	12.5	12.8
Pine Bluff .....	30.8	32.8	32.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	3.6	3.8
<b>California</b> .....	10,950.7	11,234.3	11,160.2	51.1	42.3	42.2	493.9	491.0	494.8
Anaheim-Santa Ana .....	994.7	1,022.8	1,009.3	3.3	2.8	2.8	51.2	52.7	53.2
Bakersfield .....	152.9	149.5	147.0	16.5	11.0	11.0	9.1	7.9	7.8
Fresno .....	193.1	194.3	195.3	.9	.6	.6	11.7	10.8	11.3
Los Angeles-Long Beach .....	3,808.3	3,903.4	3,885.6	12.8	11.5	11.5	119.1	120.5	119.5
Modesto .....	94.7	98.6	99.6	.1	.1	.1	6.3	6.3	6.2
Oakland .....	761.0	803.1	801.3	2.0	2.0	1.9	44.9	48.6	48.8
Oxnard-Ventura .....	185.1	193.6	192.7	3.3	3.1	3.1	9.1	9.6	9.8
Riverside-San Bernardino .....	513.0	536.5	530.8	1.3	1.3	1.3	38.5	40.3	40.7
Sacramento .....	490.0	510.8	507.4	.8	.8	.8	29.1	30.1	31.3
Salinas-Seaside-Monterey .....	102.4	105.7	105.4	.4	.5	.5	3.6	3.5	3.6
San Diego .....	776.6	806.8	799.3	.8	.8	.8	48.1	47.6	48.4
San Francisco .....	915.8	932.9	927.2	2.2	1.4	1.4	32.2	34.9	34.9
San Jose .....	787.9	792.2	788.5	.2	.2	.2	33.9	31.8	32.0
Santa Barbara-Santa Maria-Lompoc .....	138.3	143.8	142.2	1.5	1.4	1.4	6.5	6.8	7.0
Santa Rosa-Petaluma .....	113.9	116.0	115.5	.7	.6	.6	7.6	7.1	7.3
Stockton .....	133.5	134.4	136.8	.1	.1	.1	8.1	8.2	8.4
Vallejo-Fairfield-Napa .....	115.0	118.3	118.4	.4	.2	.2	7.4	6.9	7.3
<b>Colorado</b> .....	1,415.4	1,457.2	1,441.5	32.5	29.3	28.8	89.7	90.2	90.6
Boulder-Longmont .....	102.5	106.6	105.2	.3	.2	.2	5.4	4.8	4.9
Denver .....	817.5	834.1	826.8	21.1	19.2	18.8	50.9	47.2	47.8
<b>Connecticut</b> .....	1,564.0	1,622.6	1,605.5	1.8	1.8	1.8	70.8	74.2	76.1
Bridgeport-Milford .....	187.7	197.7	194.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.8	8.4	8.7
Hartford .....	443.6	461.7	457.6	.3	.3	.3	17.2	18.4	18.9
New Britain .....	61.3	64.0	62.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.6	3.7
New Haven-Meriden .....	235.9	243.7	240.3	.3	.3	.3	11.3	12.2	12.4
Stamford .....	121.7	125.3	124.6	.8	.8	.8	5.5	5.7	5.8
Waterbury .....	84.1	85.0	82.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.1	4.2
<b>Delaware</b> .....	298.9	300.8	298.6	.1	.1	.1	18.9	18.8	18.9
Wilmington .....	255.7	257.6	254.6	.2	.2	.2	18.5	16.7	17.0
<b>District of Columbia</b> .....	646.3	649.9	669.2	.1	.1	.1	13.2	14.9	14.8
Washington MSA .....	1,935.8	1,995.8	2,014.6	1.4	1.3	1.4	114.1	125.0	127.6
<b>Florida</b> .....	4,369.7	4,547.0	4,504.0	10.1	9.2	9.4	338.6	338.5	339.5
Daytona Beach .....	100.4	109.3	107.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	7.5	7.5
Fort Lauderdale-Hollywood-Pompano Beach .....	418.3	439.4	432.8	.4	.4	.4	35.5	38.5	38.6
Fort Myers-Cape Coral .....	92.2	98.5	96.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.9	11.5	11.5
Gainesville .....	83.0	85.6	85.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.5	4.5
Jacksonville .....	358.2	377.5	375.9	.5	.5	.5	26.8	27.6	27.5
Lakeland-Winter Haven .....	129.0	132.0	129.5	4.8	4.1	4.3	8.2	8.4	8.3
Melbourne-Titusville-Palm Bay .....	136.0	137.5	136.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.7	9.1	9.1
Miami-Hialeah .....	779.1	801.0	794.0	.9	.8	.8	39.3	38.7	39.1
Orlando .....	413.3	434.6	433.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	32.6	34.3	34.7
Pensacola .....	116.5	119.6	117.9	.3	.3	.3	9.9	10.7	10.8
Sarasota .....	91.1	94.4	93.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	9.9	9.9
Tallahassee .....	95.5	99.6	98.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.2	5.1
Tampa-St. Petersburg-Clearwater .....	723.3	742.6	739.2	.6	.6	.6	61.5	61.5	61.1
West Palm Beach-Boca Raton-Delray Beach .....	276.5	292.4	287.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	27.1	27.9	28.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Alabama</b> .....	356.7	358.8	354.6	73.6	71.0	72.1	305.2	312.8	316.0
Birmingham .....	55.3	55.3	54.7	29.5	28.9	29.8	90.3	96.2	97.2
Huntsville .....	30.9	31.5	31.1	2.5	2.5	2.5	21.2	21.7	21.9
Mobile .....	26.4	25.8	24.0	9.9	8.9	9.2	41.8	42.4	42.8
Montgomery .....	16.8	17.4	17.4	4.7	4.5	4.6	25.6	25.7	25.8
Tuscaloosa .....	8.3	8.6	8.7	2.0	2.1	2.1	10.7	10.9	10.9
<b>Alaska</b> .....	21.4	14.4	21.3	20.5	20.2	20.6	49.0	47.2	47.4
<b>Arizona</b> .....	181.5	181.3	184.3	63.4	63.4	65.2	311.4	332.3	330.2
Phoenix .....	130.8	128.3	130.9	41.3	41.5	42.9	212.0	228.2	225.6
Tucson .....	31.9	33.0	32.9	9.5	9.5	9.8	52.1	54.9	55.3
<b>Arkansas</b> .....	212.8	214.9	215.4	47.7	49.7	50.8	185.2	189.0	189.5
Fayetteville-Springdale .....	9.5	10.0	10.0	3.8	3.9	3.9	10.5	10.8	10.7
Fort Smith .....	24.7	25.0	25.5	3.4	3.3	3.4	15.8	16.1	16.2
Little Rock-North Little Rock .....	33.5	32.3	32.9	15.1	14.5	14.7	54.3	55.2	55.0
Pine Bluff .....	5.8	5.7	5.7	3.0	2.8	2.7	6.7	6.6	6.6
<b>California</b> .....	2,102.4	2,102.9	2,110.7	574.3	561.7	571.5	2,626.8	2,687.7	2,697.6
Anaheim-Santa Ana .....	243.6	241.9	241.3	33.3	33.4	34.0	255.1	261.6	263.9
Bakersfield .....	10.3	10.3	10.3	8.4	8.4	8.6	38.9	38.7	38.8
Fresno .....	22.7	22.5	23.7	10.5	10.2	10.4	49.3	49.7	49.6
Los Angeles-Long Beach .....	890.6	906.9	905.1	204.8	197.7	199.9	889.9	905.6	907.2
Modesto .....	22.2	21.5	23.4	4.3	4.3	4.4	23.6	25.0	25.2
Oakland .....	104.0	106.2	105.7	50.2	53.0	55.8	191.4	202.2	202.9
Oxnard-Ventura .....	27.8	28.5	28.6	7.9	10.1	10.1	48.3	50.0	50.1
Riverside-San Bernardino .....	65.7	67.7	67.7	30.1	29.6	29.9	132.9	136.7	136.6
Sacramento .....	36.1	36.1	37.5	23.9	23.3	23.9	120.4	121.8	123.5
Salinas-Seaside-Monterey .....	10.3	10.3	9.9	5.2	5.2	5.2	28.3	29.5	29.7
San Diego .....	122.7	121.1	120.6	31.5	31.4	31.9	186.0	194.6	195.1
San Francisco .....	81.3	80.7	79.9	84.5	78.5	79.8	210.9	218.3	219.1
San Jose .....	292.2	282.4	283.0	22.3	21.4	22.0	150.0	156.4	156.3
Santa Barbara-Santa Maria-Lompoc .....	23.6	24.1	24.1	5.5	5.5	5.5	33.5	34.3	34.5
Santa Rosa-Petaluma .....	17.8	17.5	17.6	5.4	5.4	5.6	29.5	30.2	30.3
Stockton .....	23.7	21.0	23.9	8.8	8.5	8.7	30.5	32.6	32.8
Vallejo-Fairfield-Napa .....	12.0	11.2	11.8	4.6	4.6	4.6	27.0	28.0	28.7
<b>Colorado</b> .....	195.6	191.5	191.1	90.9	87.1	89.4	353.1	366.8	365.9
Boulder-Longmont .....	29.4	28.9	29.0	2.5	2.4	2.5	21.3	22.8	22.6
Denver .....	104.5	100.6	100.4	65.5	62.7	64.9	203.4	213.4	212.2
<b>Connecticut</b> .....	399.4	406.5	395.5	67.5	71.7	69.6	351.8	364.9	363.9
Bridgeport-Milford .....	61.6	62.6	61.0	7.2	7.7	7.5	43.9	46.3	46.4
Hartford .....	92.7	93.0	92.3	16.5	17.7	17.2	95.8	100.0	98.8
New Britain .....	21.8	22.0	20.8	3.1	3.4	3.3	11.8	12.6	12.3
New Haven-Meriden .....	46.7	47.0	45.9	17.2	17.8	17.5	55.2	57.6	57.1
Stamford .....	28.0	26.9	26.5	4.9	5.0	5.0	29.0	30.4	30.4
Waterbury .....	27.1	27.7	25.1	3.0	3.2	3.0	15.9	16.7	16.6
<b>Delaware</b> .....	72.2	67.5	63.9	11.4	11.9	11.5	67.3	68.8	69.3
Wilmington .....	62.3	58.5	54.4	12.6	13.4	13.3	52.5	54.6	55.0
<b>District of Columbia</b> .....	15.1	15.3	15.2	25.7	24.2	24.5	63.4	64.4	63.7
Washington MSA .....	82.3	83.2	82.6	88.5	83.5	89.5	380.5	397.4	395.6
<b>Florida</b> .....	509.7	523.6	520.1	244.5	238.0	243.4	1,191.0	1,234.5	1,233.0
Daytona Beach .....	11.9	12.4	12.4	3.2	3.4	3.4	29.0	32.5	32.3
Fort Lauderdale-Hollywood-Pompano Beach .....	43.8	45.2	44.9	20.8	20.3	20.9	122.5	127.2	126.0
Fort Myers-Cape Coral .....	4.8	5.2	5.2	4.1	4.4	4.5	27.9	29.8	29.5
Gainesville .....	5.2	5.2	5.3	1.8	1.7	1.8	18.4	19.5	19.6
Jacksonville .....	36.9	37.9	37.8	27.3	27.3	28.0	99.2	105.5	106.3
Lakeland-Winter Haven .....	21.0	20.4	19.9	6.0	6.4	6.3	35.5	35.5	35.5
Melbourne-Titusville-Palm Bay .....	26.8	26.6	26.6	5.4	5.4	5.5	30.7	31.7	31.8
Miami-Hialeah .....	93.4	94.6	93.9	67.6	67.3	68.2	208.4	214.2	212.7
Orlando .....	47.9	52.0	52.2	21.3	21.2	22.3	113.3	118.2	118.6
Pensacola .....	11.8	11.0	10.9	6.8	6.3	6.5	29.1	30.5	30.4
Sarasota .....	7.5	7.9	8.0	3.4	3.6	3.6	27.0	27.7	27.5
Tallahassee .....	4.0	4.2	4.1	2.8	2.9	2.9	20.8	21.8	21.8
Tampa-St. Petersburg-Clearwater .....	91.0	90.7	90.4	37.0	37.2	36.9	200.2	206.8	205.9
West Palm Beach-Boca Raton-Delray Beach .....	36.2	35.7	34.9	10.5	10.4	10.6	72.1	75.7	75.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Alabama</b> .....	66.3	69.7	70.3	242.8	247.3	247.7	298.3	299.9	301.2
Birmingham .....	27.0	27.7	28.0	81.5	84.0	84.1	57.9	58.0	58.0
Huntsville .....	3.2	3.3	3.2	21.0	23.2	23.5	27.9	28.2	27.9
Mobile .....	8.1	8.0	7.9	33.0	33.8	33.7	28.1	27.5	28.3
Montgomery .....	7.0	7.0	7.0	23.0	23.1	23.1	31.4	31.6	32.1
Tuscaloosa .....	1.8	1.8	1.8	7.0	7.1	7.0	17.2	17.4	17.6
<b>Alaska</b> .....	13.4	13.4	13.3	47.4	47.4	48.5	65.4	65.5	66.8
<b>Arizona</b> .....	81.3	90.4	91.1	300.7	322.0	323.1	198.0	215.9	210.2
Phoenix .....	63.6	71.1	71.8	201.2	218.8	219.4	102.2	112.9	109.9
Tucson .....	11.7	12.9	12.9	57.0	59.6	59.4	41.4	46.2	44.0
<b>Arkansas</b> .....	37.1	37.9	38.2	140.8	147.0	147.3	132.2	138.2	130.8
Fayetteville-Springdale .....	1.5	1.5	1.5	5.9	6.0	5.9	9.6	9.7	9.5
Fort Smith .....	2.6	2.7	2.7	13.4	13.9	13.9	6.1	6.9	6.5
Little Rock-North Little Rock .....	15.1	15.2	15.3	47.9	49.0	49.2	42.1	44.3	42.2
Pine Bluff .....	1.6	1.7	1.7	5.6	5.6	5.6	6.3	6.8	6.3
<b>California</b> .....	735.7	761.9	764.8	2,649.7	2,720.2	2,724.0	1,716.8	1,866.6	1,754.6
Anaheim-Santa Ana .....	74.8	77.8	77.9	236.7	239.4	241.2	96.7	113.4	95.0
Bakersfield .....	5.9	5.9	5.9	29.2	29.4	29.5	34.6	37.9	35.1
Fresno .....	13.4	13.5	13.7	45.3	43.8	46.1	39.3	43.2	39.9
Los Angeles-Long Beach .....	260.9	267.9	268.9	963.1	993.4	996.6	467.1	499.9	476.9
Modesto .....	4.0	4.2	4.2	19.8	20.7	20.7	14.4	16.5	15.4
Oakland .....	46.4	51.6	52.1	171.8	181.1	180.7	150.3	158.4	153.4
Oxnard-Ventura .....	10.3	10.3	10.4	39.4	41.6	41.5	39.0	40.4	39.1
Riverside-San Bernardino .....	22.2	23.2	23.2	118.8	122.4	121.7	103.5	115.3	109.7
Sacramento .....	28.9	30.2	30.7	102.2	105.7	105.9	148.6	162.6	153.8
Salinas-Seaside-Monterey .....	4.7	5.0	5.0	24.5	25.3	25.6	25.4	26.4	25.9
San Diego .....	52.0	53.1	53.4	198.5	206.7	207.6	137.0	151.5	141.5
San Francisco .....	112.8	109.5	109.9	260.9	272.4	269.9	131.0	137.2	132.3
San Jose .....	32.1	33.0	33.1	180.0	183.9	182.9	77.2	83.1	79.0
Santa Barbara-Santa Maria-Lompoc .....	7.4	7.7	7.6	35.7	37.2	37.0	24.6	26.8	25.1
Santa Rosa-Petaluma .....	7.8	7.9	8.0	24.9	25.7	25.4	20.2	21.6	20.7
Stockton .....	8.1	8.0	8.0	26.8	27.0	26.9	27.4	29.0	28.0
Vallejo-Fairfield-Napa .....	4.8	4.9	5.0	24.7	26.7	26.4	34.1	35.8	34.4
<b>Colorado</b> .....	98.7	101.3	101.8	322.7	342.2	341.8	232.2	248.7	232.1
Boulder-Longmont .....	3.8	4.0	4.1	21.4	22.8	23.0	18.6	20.7	18.8
Denver .....	66.8	69.3	69.5	194.5	203.2	202.5	110.7	118.4	110.7
<b>Connecticut</b> .....	132.6	139.4	140.8	358.0	371.0	372.2	182.1	193.1	185.6
Bridgeport-Milford .....	10.0	10.6	10.6	40.9	43.3	43.2	16.3	18.8	17.2
Hartford .....	68.9	71.5	72.7	97.8	102.7	102.4	54.4	58.1	55.0
New Britain .....	3.2	3.4	3.5	11.9	12.7	12.6	5.8	6.3	5.8
New Haven-Meriden .....	13.8	14.3	14.3	62.7	65.1	64.9	28.7	29.4	27.9
Stamford .....	10.3	10.7	10.7	34.5	36.4	36.7	8.7	9.4	8.7
Waterbury .....	3.7	3.7	3.7	20.2	19.0	19.3	10.3	10.6	10.1
<b>Delaware</b> .....	20.0	21.9	22.1	64.0	67.3	67.3	44.8	44.5	45.4
Wilmington .....	18.5	20.6	20.7	56.4	59.2	59.1	34.9	34.4	34.8
<b>District of Columbia</b> .....	34.9	35.0	35.2	213.3	224.5	225.5	280.6	271.5	290.2
Washington MSA .....	109.3	114.9	116.4	591.9	618.5	623.4	567.9	572.0	578.0
<b>Florida</b> .....	320.1	332.3	333.0	1,127.6	1,187.0	1,182.7	628.1	683.9	642.9
Daytona Beach .....	6.1	6.5	6.5	27.7	29.6	29.9	15.1	17.4	15.9
Fort Lauderdale-Hollywood-Pompano Beach .....	35.7	36.9	37.0	111.1	117.3	115.9	48.5	53.6	49.1
Fort Myers-Cape Coral .....	6.9	7.3	7.4	24.4	25.7	25.4	13.0	14.4	13.2
Gainesville .....	3.4	3.4	3.5	18.9	19.2	19.3	30.3	32.0	30.9
Jacksonville .....	32.6	34.2	34.4	85.0	89.1	89.2	49.9	55.4	52.2
Lakeland-Winter Haven .....	7.8	7.9	7.9	29.5	30.7	30.6	16.4	18.6	18.7
Melbourne-Titusville-Palm Bay .....	5.0	5.1	5.0	39.6	40.5	40.3	18.7	19.0	18.4
Miami-Hialeah .....	65.4	67.1	67.2	206.6	214.6	211.3	97.5	103.7	100.8
Orlando .....	27.3	28.7	29.1	126.5	129.4	130.2	44.0	50.7	45.9
Pensacola .....	5.0	5.1	5.1	26.8	29.2	29.2	24.8	26.5	24.7
Sarasota .....	7.7	7.9	7.9	25.2	26.2	26.1	10.3	11.1	10.3
Tallahassee .....	4.5	4.6	4.5	18.6	19.4	19.5	39.6	41.2	40.3
Tampa-St. Petersburg-Clearwater .....	56.9	59.6	59.9	191.5	197.4	196.3	84.6	88.8	88.1
West Palm Beach-Boca Raton-Delray Beach .....	23.3	24.0	23.9	76.1	82.6	81.0	31.2	36.1	32.9

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	Total			Mining			Construction		
	July 1985	June 1986	July 1988 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Georgia</b> .....	2,573.6	2,640.2	2,634.3	8.0	8.1	8.1	151.5	157.7	161.0
Albany .....	48.7	47.8	46.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.4	2.4
Athens .....	57.9	59.9	58.7	.1	.1	.1	2.6	2.7	2.7
Atlanta .....	1,282.0	1,322.2	1,325.6	1.3	1.3	1.4	76.6	84.0	86.7
Augusta .....	146.4	146.0	145.7	.5	.5	.5	9.3	9.4	9.4
Columbus .....	89.3	89.7	89.5	.1	.1	.1	5.5	5.3	5.4
Macon-Warner Robins .....	113.5	115.4	115.5	.2	.2	.2	5.2	5.3	5.6
Savannah .....	94.6	97.1	96.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	5.3	5.3
<b>Hawaii</b> .....	423.9	430.4	431.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.6	16.8	17.5
Honolulu .....	341.9	346.4	346.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.3	13.3	13.9
<b>Idaho</b> .....	338.9	338.2	335.3	4.2	2.8	2.8	18.0	16.2	17.0
Boise City .....	86.9	90.3	90.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.9	6.1	6.3
<b>Illinois</b> .....	4,782.1	4,798.5	4,808.3	30.2	26.5	26.7	204.1	189.8	197.1
Aurora-Elgin .....	128.0	131.2	129.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.3	5.4
Bloomington-Normal .....	49.7	50.8	50.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.3	1.3
Champaign-Urbana-Rantoul .....	74.2	75.9	75.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.1
Chicago .....	2,966.6	2,988.5	2,982.9	2.7	2.5	2.5	119.6	113.9	118.2
Davenport-Rock Island-Moline .....	149.0	150.0	150.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.8	4.9
Decatur .....	49.3	49.9	49.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.8	1.8
Joliet .....	91.5	93.7	92.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.2	4.5
Kankakee .....	32.8	32.3	32.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.2	1.2
Lake County .....	176.1	181.8	179.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	6.8	7.1
Peoria .....	130.2	129.3	128.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.8	5.3	5.5
Rockford .....	120.0	119.7	121.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.7	3.8
Springfield .....	91.1	91.3	91.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	2.6	2.8
<b>Indiana</b> .....	2,176.2	2,255.7	2,254.0	10.9	9.6	9.6	97.8	103.8	110.6
Anderson .....	47.3	48.2	47.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.4	1.5
Elkhart-Goshen .....	88.4	92.5	91.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.6	2.8
Evansville .....	123.7	121.0	120.9	2.9	2.6	2.6	7.3	7.0	7.3
Fort Wayne .....	167.0	171.6	172.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.8	8.2	8.6
Gary-Hammond .....	217.8	218.2	218.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.1	13.4	14.1
Indianapolis .....	558.2	575.5	575.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.8	27.7	28.6
Lafayette .....	56.5	56.7	56.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	2.1
Muncie .....	46.1	46.8	48.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.7	1.8
South Bend-Mishawaka .....	102.4	104.7	103.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	4.8	5.0
Terre Haute .....	50.7	51.0	50.9	.5	.5	.5	2.0	2.1	2.0
<b>Iowa</b> .....	1,070.4	1,080.9	1,062.7	2.4	2.4	2.4	42.4	39.6	40.1
Cedar Rapids .....	79.0	83.8	81.1	.2	.2	.2	3.3	3.2	3.3
Des Moines .....	192.5	197.1	194.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.4	9.4	9.9
Dubuque .....	39.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.3	( <sup>2</sup> )	( <sup>2</sup> )
Iowa City .....	45.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.5	( <sup>2</sup> )	( <sup>2</sup> )
Sioux City .....	48.2	48.4	47.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.4	1.4
Waterloo-Cedar Falls .....	58.9	57.6	57.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.8	1.9
<b>Kansas</b> .....	970.9	994.8	981.9	16.9	12.3	11.5	48.9	46.3	47.3
Lawrence .....	27.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.0	( <sup>2</sup> )	( <sup>2</sup> )
Topeka .....	83.4	84.8	84.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.9	4.0
Wichita .....	203.9	208.5	206.9	3.1	2.2	2.0	10.4	10.3	10.3
<b>Kentucky</b> .....	1,239.8	1,280.5	1,283.1	44.1	43.6	43.6	59.4	65.6	68.9
Lexington-Fayette .....	163.0	165.3	162.7	.8	.9	.9	9.7	9.8	10.3
Louisville .....	415.8	426.8	430.1	.7	.7	.7	20.4	20.7	21.6
Owensboro .....	32.7	32.0	32.2	1.1	.9	.9	2.0	2.0	2.3
<b>Louisiana</b> .....	1,589.6	1,524.1	1,506.1	81.3	60.0	59.2	106.8	93.1	94.4
Alexandria .....	44.4	( <sup>2</sup> )	( <sup>2</sup> )	.2	( <sup>2</sup> )	( <sup>2</sup> )	2.9	( <sup>2</sup> )	( <sup>2</sup> )
Baton Rouge .....	214.2	211.6	211.7	1.2	1.3	1.2	21.3	21.6	21.5
Houma-Thibodaux .....	62.4	54.6	54.0	8.3	6.7	6.9	2.8	2.2	2.2
Lafayette .....	99.5	91.7	90.0	17.3	14.4	14.0	5.3	4.5	4.5
Lake Charles .....	59.5	56.2	55.3	2.3	1.8	1.7	4.0	3.2	3.0
Monroe .....	55.6	55.0	55.8	.6	.4	.4	3.9	4.0	4.2
New Orleans .....	535.2	512.2	510.5	19.7	17.1	16.3	27.7	24.5	25.2
Shreveport .....	142.0	131.9	130.8	4.8	3.6	3.5	8.8	7.3	8.2
<b>Maine</b> .....	469.5	481.8	477.9	.2	.2	.2	26.0	28.7	30.3
Lewiston-Auburn .....	36.1	37.9	36.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.8	1.9
Portland .....	110.6	113.8	114.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	6.8	6.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1985	June 1988	July 1986 <sup>P</sup>	July 1985	June 1988	July 1986 <sup>P</sup>	July 1985	June 1988	July 1986 <sup>P</sup>
<b>Georgia</b> .....	550.3	553.2	546.6	163.6	165.6	185.6	654.5	874.5	878.9
Albany .....	10.8	8.6	8.0	2.6	2.5	2.5	12.3	12.6	12.4
Athens .....	14.5	14.8	14.4	1.7	1.8	1.8	12.5	12.7	12.7
Atlanta .....	182.4	183.2	180.7	105.1	106.8	107.0	367.7	379.3	382.4
Augusta .....	37.0	38.6	36.5	5.0	4.8	4.8	31.7	31.8	31.5
Columbus .....	20.9	20.0	20.0	3.3	3.3	3.3	19.8	19.8	19.9
Macon-Warner Robins .....	19.7	20.1	20.2	5.0	4.9	4.8	25.5	25.5	25.6
Savannah .....	15.6	15.5	15.6	9.7	9.8	9.6	24.2	25.0	25.1
<b>Hawaii</b> .....	22.5	22.6	22.9	33.4	34.1	34.0	116.4	117.5	118.5
Honolulu .....	16.3	16.7	16.9	27.5	28.0	27.8	92.7	92.4	93.2
<b>Idaho</b> .....	55.6	52.7	53.0	19.4	18.8	18.8	84.6	84.7	85.1
Boise City .....	10.9	11.0	11.1	5.6	5.8	5.7	22.1	23.3	23.6
<b>Illinois</b> .....	979.7	961.3	980.3	274.2	268.0	273.9	1,167.7	1,164.2	1,186.7
Aurora-Elgin .....	38.0	36.5	36.8	2.9	3.2	3.2	34.4	38.0	35.4
Bloomington-Normal .....	4.4	4.7	4.8	3.2	3.1	3.1	12.5	12.7	12.7
Champaign-Urbana-Rantoul .....	7.4	7.4	7.5	2.2	2.3	2.3	19.1	19.2	19.2
Chicago .....	579.1	587.2	562.1	183.4	185.9	185.8	728.0	744.2	741.4
Davenport-Rock Island-Moline .....	32.6	32.8	32.4	8.2	8.2	8.2	41.1	41.0	41.1
Decatur .....	14.8	14.5	14.2	4.4	4.5	4.5	10.6	10.8	10.9
Joliet .....	19.5	20.3	20.4	8.6	8.8	8.7	21.3	21.5	21.6
Kankakee .....	5.2	5.1	5.0	1.4	1.4	1.4	8.1	8.2	8.2
Lake County .....	42.0	41.8	41.1	6.0	6.1	5.9	42.6	43.2	42.8
Peoria .....	31.8	31.2	30.8	6.5	6.5	6.5	32.8	33.1	33.0
Rockford .....	44.8	44.3	44.9	4.4	4.6	4.6	27.2	27.5	27.5
Springfield .....	4.6	3.9	3.9	4.6	4.6	4.7	18.4	18.6	18.6
<b>Indiana</b> .....	609.8	603.2	598.1	110.9	114.5	115.6	513.5	552.1	554.6
Anderson .....	18.7	18.5	18.2	1.2	1.3	1.2	10.4	10.7	10.7
Elkhart-Goshen .....	48.0	50.3	49.7	2.8	2.9	2.8	16.4	17.2	17.3
Evansville .....	32.3	29.0	28.7	6.5	6.6	6.7	30.6	31.0	31.1
Fort Wayne .....	46.7	47.1	47.2	11.2	11.4	11.4	41.6	42.9	42.8
Gary-Hammond .....	60.3	57.3	57.0	13.9	13.9	13.9	50.0	50.4	50.6
Indianapolis .....	108.1	106.5	105.7	32.8	33.2	33.9	143.5	149.7	150.1
Lafayette .....	11.5	10.5	10.6	1.8	1.7	1.7	12.2	12.6	12.4
Muncie .....	11.0	10.9	10.7	2.1	2.3	2.3	11.5	12.0	11.8
South Bend-Mishawaka .....	23.7	24.1	22.6	4.4	4.4	4.6	27.3	28.2	28.1
Terre Haute .....	10.5	10.7	10.7	2.8	2.6	2.5	14.2	14.3	14.5
<b>Iowa</b> .....	204.2	202.5	200.1	52.6	49.6	50.2	281.3	278.4	277.8
Cedar Rapids .....	21.5	22.9	22.6	4.0	4.1	4.1	20.1	19.9	19.6
Des Moines .....	22.4	21.9	21.5	13.1	12.7	13.0	50.7	51.4	51.3
Dubuque .....	12.2	( <sup>2</sup> )	( <sup>2</sup> )	1.7	( <sup>2</sup> )	( <sup>2</sup> )	9.0	( <sup>2</sup> )	( <sup>2</sup> )
Iowa City .....	3.8	( <sup>2</sup> )	( <sup>2</sup> )	.9	( <sup>2</sup> )	( <sup>2</sup> )	9.2	( <sup>2</sup> )	( <sup>2</sup> )
Sioux City .....	10.3	9.9	9.8	3.3	3.1	3.1	12.6	12.0	11.9
Waterloo-Cedar Falls .....	13.9	12.5	12.4	2.0	1.8	1.9	14.3	14.0	14.0
<b>Kansas</b> .....	175.4	176.5	175.8	65.2	64.3	64.6	245.7	250.7	249.3
Lawrence .....	4.4	( <sup>2</sup> )	( <sup>2</sup> )	1.4	( <sup>2</sup> )	( <sup>2</sup> )	6.4	( <sup>2</sup> )	( <sup>2</sup> )
Topeka .....	9.6	9.7	9.6	7.2	7.0	6.9	18.9	19.0	18.9
Wichita .....	54.8	56.3	56.2	9.8	9.8	9.7	50.5	52.5	52.0
<b>Kentucky</b> .....	255.5	253.1	252.3	67.5	67.0	67.2	299.5	303.4	304.8
Lexington-Fayette .....	29.8	28.5	27.7	7.5	7.6	7.6	38.0	38.3	38.4
Louisville .....	86.0	85.3	85.6	25.1	25.2	25.2	104.4	110.4	110.3
Owensboro .....	6.2	5.6	5.8	2.3	2.3	2.3	6.4	8.2	8.1
<b>Louisiana</b> .....	178.9	167.5	166.7	115.1	105.2	106.6	387.0	380.5	378.4
Alexandria .....	3.4	( <sup>2</sup> )	( <sup>2</sup> )	2.3	( <sup>2</sup> )	( <sup>2</sup> )	11.0	( <sup>2</sup> )	( <sup>2</sup> )
Baton Rouge .....	21.0	20.0	19.8	10.1	10.3	10.6	52.5	50.9	50.8
Houma-Thibodaux .....	5.5	3.9	3.8	7.5	6.0	6.1	15.6	13.7	13.7
Lafayette .....	6.1	5.3	4.9	7.3	7.1	7.0	25.8	24.6	24.4
Lake Charles .....	9.0	8.6	8.6	4.3	3.6	3.6	14.9	14.7	14.5
Monroe .....	7.3	7.6	7.6	2.8	2.6	2.6	15.2	15.5	15.7
New Orleans .....	45.5	43.1	42.7	45.9	43.1	43.6	139.6	139.8	138.2
Shreveport .....	22.8	18.5	18.4	8.8	7.9	7.8	34.3	31.3	30.8
<b>Maine</b> .....	100.5	105.9	100.1	19.9	19.3	19.6	116.8	117.8	119.6
Lewiston-Auburn .....	9.9	10.7	9.7	1.3	1.4	1.4	8.7	9.0	8.9
Portland .....	15.9	17.0	18.5	5.7	5.8	5.9	33.1	33.1	33.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Georgia</b> .....	139.7	143.0	144.9	470.0	481.5	486.3	436.1	456.6	443.0
Albany .....	2.6	2.5	2.5	7.7	7.7	7.9	10.4	11.3	10.4
Athens .....	1.9	1.9	1.9	8.1	8.2	8.4	16.5	17.7	16.6
Atlanta .....	91.3	92.9	93.9	283.0	291.7	294.9	174.6	183.1	178.7
Augusta .....	5.3	5.7	5.8	25.6	25.6	25.7	32.1	31.8	31.5
Columbus .....	5.9	6.1	6.2	14.0	14.4	14.4	20.0	20.6	20.2
Macon-Warner Robins .....	6.8	7.1	7.1	19.3	19.7	19.6	31.9	32.8	32.4
Savannah .....	4.3	4.4	4.4	20.2	20.7	20.8	15.3	16.5	15.6
<b>Hawaii</b> .....	32.1	32.7	32.9	109.0	113.0	113.3	92.9	93.4	92.2
Honolulu .....	27.1	27.8	28.0	85.5	89.1	89.1	78.5	79.1	77.4
<b>Idaho</b> .....	23.9	23.9	23.8	66.6	68.3	68.4	66.6	70.8	66.4
Boise City .....	8.2	8.3	8.3	18.5	19.4	19.5	15.6	16.4	15.7
<b>Illinois</b> .....	344.0	344.3	347.0	1,119.8	1,126.9	1,144.3	662.4	697.5	672.3
Aurora-Elgin .....	6.6	6.6	6.7	27.7	29.0	28.6	13.4	14.5	13.2
Bloomington-Normal .....	8.7	8.8	8.8	10.7	10.7	10.7	8.9	9.5	8.8
Champaign-Urbana-Rantoul .....	2.6	2.6	2.6	13.4	13.5	13.5	27.4	28.8	28.4
Chicago .....	246.1	252.3	253.4	759.5	760.0	765.6	348.2	362.5	353.9
Davenport-Rock Island-Moline .....	7.4	7.4	7.4	28.3	28.7	28.9	26.5	27.1	26.5
Decatur .....	2.8	2.6	2.6	9.7	10.2	10.2	5.1	5.4	5.3
Joliet .....	3.7	3.6	3.6	20.0	19.6	19.1	13.7	15.5	13.9
Kankakee .....	1.7	1.6	1.6	8.3	8.4	7.9	6.9	6.4	6.9
Lake County .....	5.5	5.5	5.5	40.9	44.3	44.9	31.0	33.4	31.9
Peoria .....	6.9	7.0	7.0	31.5	30.9	30.9	14.9	15.3	15.1
Rockford .....	4.8	4.9	4.9	23.5	22.9	23.7	11.6	11.8	11.7
Springfield .....	7.8	7.8	7.8	21.7	22.6	22.7	31.0	31.1	30.9
<b>Indiana</b> .....	108.2	113.7	114.4	408.3	435.8	434.0	316.7	323.1	317.1
Anderson .....	1.7	1.7	1.6	8.2	8.6	8.6	5.7	6.0	5.8
Elkhart-Goshen .....	2.3	2.4	2.4	11.5	12.1	12.0	4.9	5.0	4.7
Evansville .....	4.8	4.9	4.9	27.9	27.8	28.4	11.4	12.1	11.2
Fort Wayne .....	11.0	11.4	11.5	32.3	34.0	34.0	16.4	16.6	16.7
Gary-Hammond .....	7.9	7.9	8.0	42.4	43.7	43.8	30.2	29.6	31.5
Indianapolis .....	42.0	42.9	43.3	120.7	128.1	127.6	83.4	86.7	85.8
Lafayette .....	2.7	2.8	2.8	10.2	10.5	10.5	16.2	16.7	16.6
Muncie .....	1.6	1.6	1.6	9.5	9.7	9.6	8.7	8.6	8.5
South Bend-Mishawaka .....	5.2	5.3	5.4	27.0	27.9	27.7	10.1	10.0	10.3
Terre Haute .....	1.8	1.7	1.7	10.1	10.0	9.9	9.0	9.1	9.1
<b>Iowa</b> .....	63.8	65.5	65.5	229.1	234.1	232.2	194.6	208.8	194.4
Cedar Rapids .....	4.9	5.0	5.1	17.1	18.3	17.8	7.9	10.2	8.2
Des Moines .....	25.1	25.8	25.8	45.4	46.8	46.2	27.4	29.0	27.0
Dubuque .....	1.4	( <sup>2</sup> )	( <sup>2</sup> )	10.7	( <sup>2</sup> )	( <sup>2</sup> )	3.0	( <sup>2</sup> )	( <sup>2</sup> )
Iowa City .....	1.3	( <sup>2</sup> )	( <sup>2</sup> )	7.0	( <sup>2</sup> )	( <sup>2</sup> )	21.9	( <sup>2</sup> )	( <sup>2</sup> )
Sioux City .....	2.6	2.7	2.6	11.9	12.7	12.7	6.0	6.6	5.9
Waterloo-Cedar Falls .....	3.1	3.1	3.1	13.0	13.5	13.5	10.5	10.9	10.3
<b>Kansas</b> .....	53.3	55.0	55.4	187.8	195.7	195.1	177.7	194.0	182.9
Lawrence .....	.9	( <sup>2</sup> )	( <sup>2</sup> )	4.7	( <sup>2</sup> )	( <sup>2</sup> )	8.3	( <sup>2</sup> )	( <sup>2</sup> )
Topeka .....	5.8	6.1	6.1	18.0	18.2	18.4	20.2	20.8	20.1
Wichita .....	11.0	11.3	11.7	41.1	42.0	42.2	23.2	24.1	22.8
<b>Kentucky</b> .....	58.7	60.9	61.7	245.9	254.9	251.1	209.1	232.0	213.5
Lexington-Fayette .....	8.3	8.7	8.7	37.0	38.5	37.2	31.9	33.0	31.9
Louisville .....	27.4	28.6	29.0	91.9	97.0	96.4	60.0	58.9	61.2
Owensboro .....	1.2	1.4	1.4	7.1	7.2	7.2	4.4	4.4	4.4
<b>Louisiana</b> .....	85.8	85.3	85.2	319.3	315.2	313.1	315.4	317.3	302.5
Alexandria .....	2.5	( <sup>2</sup> )	( <sup>2</sup> )	9.5	( <sup>2</sup> )	( <sup>2</sup> )	12.6	( <sup>2</sup> )	( <sup>2</sup> )
Baton Rouge .....	13.9	14.0	13.9	41.5	41.8	42.1	52.7	51.9	51.8
Houma-Thibodaux .....	2.6	2.8	2.6	9.2	8.5	8.3	10.9	10.8	10.4
Lafayette .....	3.9	3.7	3.6	20.1	18.5	18.4	13.7	13.6	13.2
Lake Charles .....	2.7	2.6	2.7	11.3	10.5	10.2	11.0	11.0	10.8
Monroe .....	4.4	4.5	4.5	10.9	11.4	11.5	10.5	9.0	9.3
New Orleans .....	33.5	32.9	33.2	131.7	128.1	127.5	91.4	83.6	83.8
Shreveport .....	7.9	7.9	8.0	31.2	30.2	30.5	23.4	25.2	23.6
<b>Maine</b> .....	21.3	22.9	23.3	104.3	101.1	106.7	80.5	85.9	78.1
Lewiston-Auburn .....	1.9	2.0	2.0	9.0	9.2	9.1	3.4	3.8	3.5
Portland .....	9.7	10.6	10.8	26.9	26.8	27.3	12.8	13.7	13.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Maryland</b> .....	1,913.4	1,950.9	1,951.8	1.9	1.9	1.9	134.1	141.0	144.2
Baltimore MSA .....	1,039.4	1,052.4	1,056.9	.2	.2	.2	65.0	69.5	71.1
Baltimore City .....	464.5	486.4	468.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.2	21.0	20.9
Suburban Maryland-D.C. ....	665.0	665.9	683.6	.6	.6	.7	56.3	61.6	63.3
<b>Massachusetts</b> .....	2,916.5	2,999.6	2,964.6	1.4	1.4	1.4	117.9	122.8	127.0
Boston .....	1,630.6	1,698.8	1,872.7	.8	.8	.8	61.5	65.6	68.0
Brockton .....	66.5	70.9	69.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	4.1	4.3
Fall River .....	51.0	55.1	53.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.3	2.4
Fitchburg-Leominster .....	36.6	41.0	39.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.6	2.8
Lawrence-Haverhill .....	157.4	157.3	182.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.7	10.6	9.4
Lowell .....	100.8	107.7	106.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	5.5	5.8
New Bedford .....	65.9	68.9	66.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.5	2.6
Pittsfield .....	41.5	42.5	42.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.9	2.0
Springfield .....	222.9	231.6	226.4	.1	.2	.1	8.2	9.0	9.4
Worcester .....	179.5	189.0	184.8	.1	.1	.1	8.3	9.0	9.5
<b>Michigan</b> .....	3,494.7	3,597.1	3,557.2	10.9	11.3	11.5	107.6	120.2	124.0
Ann Arbor .....	143.9	147.2	143.4	.2	( <sup>1</sup> )	( <sup>1</sup> )	4.4	5.5	5.9
Battle Creek .....	54.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.8	( <sup>2</sup> )	( <sup>2</sup> )
Benton Harbor .....	59.1	( <sup>2</sup> )	( <sup>2</sup> )	.1	( <sup>2</sup> )	( <sup>2</sup> )	1.5	( <sup>2</sup> )	( <sup>2</sup> )
Detroit .....	1,744.3	1,820.5	1,801.6	1.0	1.0	1.0	49.7	53.6	55.5
Flint .....	168.8	174.8	168.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.9	4.6
Grand Rapids .....	292.7	295.0	293.3	.4	( <sup>1</sup> )	( <sup>1</sup> )	11.9	12.7	12.9
Jackson .....	48.0	( <sup>2</sup> )	( <sup>2</sup> )	.2	( <sup>2</sup> )	( <sup>2</sup> )	1.2	( <sup>2</sup> )	( <sup>2</sup> )
Kalamazoo .....	96.0	98.3	97.5	.1	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.1	3.2
Lansing-East Lansing .....	163.4	193.7	189.5	.6	( <sup>1</sup> )	( <sup>1</sup> )	5.0	6.9	7.0
Muskegon .....	55.8	( <sup>2</sup> )	( <sup>2</sup> )	.1	( <sup>2</sup> )	( <sup>2</sup> )	2.2	( <sup>2</sup> )	( <sup>2</sup> )
Saginaw-Bay City-Midland .....	144.2	148.5	145.2	.2	( <sup>1</sup> )	( <sup>1</sup> )	6.0	5.9	6.4
<b>Minnesota</b> .....	1,869.6	1,919.1	1,899.9	8.4	8.4	8.6	81.3	81.9	85.1
Duluth .....	84.2	85.9	86.3	4.6	4.8	4.9	3.1	3.3	3.6
Minneapolis-St. Paul .....	1,215.1	1,244.9	1,236.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	51.6	50.9	52.6
Rochester .....	55.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.1	( <sup>2</sup> )	( <sup>2</sup> )
St. Cloud .....	61.4	64.2	83.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	2.9	3.1
<b>Mississippi</b> .....	834.8	848.0	840.5	8.9	7.0	7.1	37.9	36.2	36.5
Jackson .....	164.0	168.1	166.1	1.7	1.1	1.0	8.4	8.0	8.3
<b>Missouri</b> .....	2,100.0	2,157.9	2,154.6	6.7	5.9	6.0	103.7	109.7	113.8
Kansas City .....	702.3	703.0	702.0	.5	.5	.5	34.5	29.9	30.1
St. Joseph .....	36.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.5	( <sup>2</sup> )	( <sup>2</sup> )
St. Louis .....	1,070.0	1,091.5	1,086.5	4.2	3.7	3.7	55.0	57.8	59.5
Springfield .....	98.1	100.0	100.6	.1	.1	.1	4.5	4.6	4.7
<b>Montana</b> .....	280.3	284.0	274.0	7.1	7.1	6.8	14.1	12.6	12.7
<b>Nebraska</b> .....	649.2	660.8	653.9	1.9	2.1	2.1	29.2	28.8	29.7
Lincoln .....	103.1	104.0	103.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	3.9	4.0
Omaha .....	291.6	291.6	290.3	.3	.3	.3	14.4	13.4	14.1
<b>Nevada</b> .....	448.6	465.4	467.7	6.1	6.2	6.2	24.7	27.5	28.4
Las Vegas .....	253.3	263.3	263.9	.3	.3	.2	15.1	16.9	17.0
Reno .....	122.9	128.5	126.9	.7	.6	.6	6.3	6.7	7.1
<b>New Hampshire</b> .....	470.9	494.7	491.7	.5	.5	.5	34.0	38.7	39.2
Manchester .....	79.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.1	( <sup>2</sup> )	( <sup>2</sup> )
Nashua .....	83.4	84.8	84.2	.1	.1	.1	4.0	4.0	4.0
<b>New Jersey</b> .....	3,467.0	3,566.2	3,569.3	2.1	2.5	2.5	147.3	152.7	156.0
Atlantic City .....	172.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.8	( <sup>2</sup> )	( <sup>2</sup> )
Bergen-Passaic .....	635.0	655.4	653.9	.1	.4	.4	27.5	28.5	29.0
Camden .....	399.0	414.9	411.8	.1	.1	.1	19.9	21.2	21.7
Jersey City .....	233.8	235.3	235.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.8	6.5	6.8
Middlesex-Somerset-Hunterdon .....	477.4	495.9	495.4	.6	.6	.6	21.1	21.8	22.2
Monmouth-Ocean .....	311.8	320.3	325.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.4	19.7	20.3
Newark .....	945.2	945.6	950.7	.7	.6	.7	33.9	32.1	32.2
Trenton .....	180.1	189.3	188.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.3	4.6
Vineland-Millville-Bridgeton .....	53.2	( <sup>2</sup> )	( <sup>2</sup> )	.3	( <sup>2</sup> )	( <sup>2</sup> )	1.9	( <sup>2</sup> )	( <sup>2</sup> )

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Maryland</b> .....	217.2	210.5	208.1	89.3	90.3	90.4	478.8	487.3	487.2
Baltimore MSA .....	139.9	131.9	131.0	57.6	58.5	57.2	246.9	249.6	249.0
Baltimore City .....	52.4	49.6	48.0	32.4	31.8	31.6	96.8	95.3	94.6
Suburban Maryland-D.C. ....	35.2	35.2	34.7	19.1	18.2	19.6	173.5	177.1	176.1
<b>Massachusetts</b> .....	644.1	631.2	619.1	125.7	130.0	126.9	665.7	712.7	706.9
Boston .....	315.5	312.6	307.2	74.2	77.6	75.9	363.3	380.5	375.4
Brockton .....	10.9	11.2	10.3	4.5	4.8	4.6	19.9	20.6	20.7
Fall River .....	15.3	17.8	17.0	1.6	1.6	1.6	13.2	13.8	13.8
Fitchburg-Leominster .....	12.2	13.3	12.6	1.3	1.7	1.5	9.2	9.5	9.5
Lawrence-Haverhill .....	54.5	47.1	54.5	6.1	6.8	6.5	32.9	35.0	35.3
Lowell .....	38.5	38.8	39.3	3.4	3.8	3.4	21.3	24.3	23.6
New Bedford .....	21.8	22.7	20.7	2.7	2.6	2.6	15.5	16.3	16.4
Pittsfield .....	11.8	11.8	11.6	1.0	1.1	1.1	10.9	11.6	12.0
Springfield .....	51.9	52.7	51.4	8.4	8.8	8.4	51.7	53.8	52.7
Worcester .....	45.4	44.6	43.8	8.1	8.1	7.9	43.0	46.0	45.2
<b>Michigan</b> .....	970.6	986.0	952.1	144.3	143.8	148.4	791.5	811.6	810.0
Ann Arbor .....	35.8	32.8	29.4	4.4	4.1	4.2	23.3	25.3	25.2
Battle Creek .....	14.8	( <sup>a</sup> )	( <sup>a</sup> )	1.8	( <sup>a</sup> )	( <sup>a</sup> )	10.0	( <sup>a</sup> )	( <sup>a</sup> )
Benton Harbor .....	20.3	( <sup>a</sup> )	( <sup>a</sup> )	2.5	( <sup>a</sup> )	( <sup>a</sup> )	12.0	( <sup>a</sup> )	( <sup>a</sup> )
Detroit .....	472.5	485.4	469.3	78.7	78.0	81.1	404.8	428.1	427.0
Flint .....	62.9	66.1	63.0	4.7	4.3	4.2	40.6	41.4	41.1
Grand Rapids .....	98.8	98.1	96.5	10.6	10.3	10.6	71.3	73.2	73.0
Jackson .....	12.6	( <sup>a</sup> )	( <sup>a</sup> )	4.3	( <sup>a</sup> )	( <sup>a</sup> )	10.0	( <sup>a</sup> )	( <sup>a</sup> )
Kalamazoo .....	29.4	30.1	29.7	3.1	3.0	3.0	20.9	21.8	21.5
Lansing-East Lansing .....	38.8	38.5	37.8	5.3	4.8	4.8	35.0	37.8	37.4
Muskegon .....	18.8	( <sup>a</sup> )	( <sup>a</sup> )	2.7	( <sup>a</sup> )	( <sup>a</sup> )	11.9	( <sup>a</sup> )	( <sup>a</sup> )
Saginaw-Bay City-Midland .....	46.0	44.7	43.0	7.0	6.5	6.5	32.4	35.6	35.0
<b>Minnesota</b> .....	378.5	371.2	373.4	98.4	97.9	98.6	472.8	478.4	477.9
Duluth .....	7.2	8.9	6.9	6.2	5.8	6.1	22.2	22.1	21.9
Minneapolis-St. Paul .....	257.3	253.3	252.9	67.7	68.2	68.3	299.2	305.1	304.6
Rochester .....	11.5	( <sup>a</sup> )	( <sup>a</sup> )	1.8	( <sup>a</sup> )	( <sup>a</sup> )	11.3	( <sup>a</sup> )	( <sup>a</sup> )
St. Cloud .....	10.9	11.4	11.5	3.5	3.8	3.8	18.4	20.0	19.7
<b>Mississippi</b> .....	220.3	222.7	219.8	39.8	39.4	40.2	179.2	183.8	183.9
Jackson .....	20.4	20.7	20.7	10.9	10.7	10.9	39.8	41.3	41.3
<b>Missouri</b> .....	424.1	424.0	417.3	142.1	140.5	142.6	515.0	535.5	537.5
Kansas City .....	117.5	116.3	115.6	52.8	50.6	49.8	186.3	190.7	191.3
St. Joseph .....	9.4	( <sup>a</sup> )	( <sup>a</sup> )	2.1	( <sup>a</sup> )	( <sup>a</sup> )	9.1	( <sup>a</sup> )	( <sup>a</sup> )
St. Louis .....	226.3	224.8	220.6	72.6	71.7	72.9	257.5	261.9	261.8
Springfield .....	19.6	19.3	19.4	6.3	5.8	6.1	27.4	27.9	28.1
<b>Montana</b> .....	22.4	21.3	21.5	20.7	20.5	20.5	78.1	74.8	74.5
<b>Nebraska</b> .....	87.7	89.1	87.9	43.9	42.3	42.2	167.2	167.3	186.8
Lincoln .....	13.0	13.1	13.1	6.0	5.8	5.8	23.7	23.7	23.3
Omaha .....	33.7	33.9	33.4	23.7	22.4	22.5	73.2	72.6	72.6
<b>Nevada</b> .....	22.2	22.5	22.6	25.2	26.3	26.3	91.9	95.3	95.5
Las Vegas .....	8.0	8.1	8.0	14.4	14.8	14.8	52.7	55.1	55.0
Reno .....	8.3	8.2	8.3	7.9	8.6	8.5	27.7	28.2	28.4
<b>New Hampshire</b> .....	119.8	121.2	117.1	15.5	16.0	15.5	116.7	120.4	122.3
Manchester .....	14.9	( <sup>a</sup> )	( <sup>a</sup> )	4.8	( <sup>a</sup> )	( <sup>a</sup> )	21.3	( <sup>a</sup> )	( <sup>a</sup> )
Nashua .....	36.9	36.9	36.7	2.0	2.2	2.0	17.3	17.0	17.7
<b>New Jersey</b> .....	714.4	722.2	714.3	222.9	225.7	228.1	828.3	859.7	864.8
Atlantic City .....	7.9	( <sup>a</sup> )	( <sup>a</sup> )	6.0	( <sup>a</sup> )	( <sup>a</sup> )	44.1	( <sup>a</sup> )	( <sup>a</sup> )
Bergen-Passaic .....	166.3	167.3	165.7	31.0	31.5	31.9	177.2	180.5	180.3
Camden .....	76.1	78.4	78.1	17.2	17.0	17.2	105.6	110.7	109.4
Jersey City .....	55.2	55.1	54.0	29.0	30.1	30.1	54.2	56.1	56.7
Middlesex-Somerset-Hunterdon .....	112.9	114.5	113.4	36.5	35.3	36.9	114.6	118.8	119.2
Monmouth-Ocean .....	32.4	32.0	31.6	13.9	14.7	14.9	89.7	90.6	92.9
Newark .....	189.1	191.4	189.3	77.8	75.7	77.3	191.1	195.1	197.4
Trenton .....	32.1	33.8	33.8	5.5	5.9	5.9	29.2	30.6	30.8
Vineland-Millville-Bridgeton .....	14.8	( <sup>a</sup> )	( <sup>a</sup> )	2.2	( <sup>a</sup> )	( <sup>a</sup> )	10.7	( <sup>a</sup> )	( <sup>a</sup> )

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Maryland</b> .....	112.0	118.8	120.0	485.1	504.2	512.4	395.0	396.9	387.6
Baltimore MSA .....	88.0	71.5	72.2	252.2	264.3	269.8	209.6	206.7	206.4
Baltimore City .....	42.8	44.5	45.0	128.8	133.2	135.5	93.3	91.0	92.7
Suburban Maryland-D.C. ....	38.4	39.0	39.3	191.4	199.1	202.7	152.5	155.1	147.2
<b>Massachusetts</b> .....	193.8	202.6	206.0	776.1	813.6	808.3	371.8	385.3	369.0
Boston .....	131.3	138.1	139.6	498.8	524.9	517.4	185.6	198.7	188.4
Brockton .....	3.0	3.1	3.2	14.3	15.2	15.0	10.6	11.7	11.0
Fall River .....	2.8	2.8	2.8	10.3	10.2	10.2	5.8	6.6	5.7
Fitchburg-Leominster .....	1.5	1.6	1.6	7.4	7.7	7.5	3.0	4.6	3.9
Lawrence-Haverhill .....	5.4	5.7	5.7	30.5	32.7	32.6	16.3	19.4	18.2
Lowell .....	3.6	3.9	4.0	17.2	17.9	18.0	12.0	13.4	12.5
New Bedford .....	2.8	3.1	3.1	11.8	12.0	12.2	8.9	9.7	9.1
Pittsfield .....	2.1	2.2	2.1	9.7	8.9	9.5	4.2	4.9	4.4
Springfield .....	15.1	15.5	15.7	51.1	54.1	52.9	36.4	37.5	35.8
Worcester .....	11.8	12.2	12.4	41.3	44.8	44.4	21.5	24.2	21.7
<b>Michigan</b> .....	163.9	170.0	172.8	755.5	777.5	780.9	550.5	576.7	557.5
Ann Arbor .....	4.3	4.5	4.6	29.4	30.7	30.9	42.1	44.2	43.1
Battle Creek .....	4.0	( <sup>2</sup> )	( <sup>2</sup> )	10.5	( <sup>2</sup> )	( <sup>2</sup> )	11.6	( <sup>2</sup> )	( <sup>2</sup> )
Benton Harbor .....	2.2	( <sup>2</sup> )	( <sup>2</sup> )	12.8	( <sup>2</sup> )	( <sup>2</sup> )	7.8	( <sup>2</sup> )	( <sup>2</sup> )
Detroit .....	96.7	99.0	100.6	421.5	442.0	444.4	219.4	233.4	222.6
Flint .....	8.0	6.3	6.3	28.9	29.3	29.3	21.4	22.6	20.2
Grand Rapids .....	11.8	12.2	12.4	58.7	59.0	58.6	29.2	29.1	28.9
Jackson .....	1.6	( <sup>2</sup> )	( <sup>2</sup> )	9.3	( <sup>2</sup> )	( <sup>2</sup> )	8.8	( <sup>2</sup> )	( <sup>2</sup> )
Kalamazoo .....	4.0	4.1	4.2	22.0	22.5	22.7	13.4	13.6	13.1
Lansing-East Lansing .....	10.3	11.2	11.3	32.6	34.4	34.4	55.8	59.6	56.4
Muskegon .....	1.3	( <sup>2</sup> )	( <sup>2</sup> )	11.0	( <sup>2</sup> )	( <sup>2</sup> )	7.7	( <sup>2</sup> )	( <sup>2</sup> )
Saginaw-Bay City-Midland .....	6.2	6.0	6.1	27.8	29.9	31.2	18.6	19.6	16.8
<b>Minnesota</b> .....	113.1	116.3	117.0	436.9	451.8	451.7	280.2	312.1	287.7
Duluth .....	3.0	3.1	3.2	19.7	20.3	20.3	18.2	19.5	19.4
Minneapolis-St. Paul .....	86.2	89.8	90.7	298.5	308.0	308.8	153.5	169.6	157.9
Rochester .....	1.6	( <sup>2</sup> )	( <sup>2</sup> )	22.1	( <sup>2</sup> )	( <sup>2</sup> )	4.7	( <sup>2</sup> )	( <sup>2</sup> )
St. Cloud .....	2.2	2.3	2.3	12.5	12.7	12.5	10.3	10.9	10.4
<b>Mississippi</b> .....	36.1	37.1	37.2	130.5	136.4	136.2	181.8	185.4	179.6
Jackson .....	13.1	13.6	13.7	34.4	35.7	35.5	35.3	37.0	34.6
<b>Missouri</b> .....	123.1	126.3	127.3	476.8	490.6	496.7	308.5	325.4	313.6
Kansas City .....	52.2	53.6	53.9	157.8	154.7	156.2	100.7	106.8	104.7
St. Joseph .....	2.1	( <sup>2</sup> )	( <sup>2</sup> )	7.1	( <sup>2</sup> )	( <sup>2</sup> )	5.3	( <sup>2</sup> )	( <sup>2</sup> )
St. Louis .....	66.3	69.3	69.9	258.1	267.7	268.3	130.0	134.6	129.7
Springfield .....	4.6	4.8	4.7	24.3	25.5	25.5	11.3	12.0	11.8
<b>Montana</b> .....	13.5	13.2	13.2	61.6	62.1	62.6	62.9	72.4	62.2
<b>Nebraska</b> .....	45.5	47.5	47.7	143.3	146.5	145.7	130.5	137.1	131.9
Lincoln .....	7.7	8.0	8.0	20.9	21.4	21.4	27.8	27.9	27.6
Omaha .....	26.9	28.0	28.2	76.1	76.6	76.6	43.3	44.3	42.6
<b>Nevada</b> .....	21.8	22.8	23.0	199.5	205.8	208.0	57.2	59.0	57.7
Las Vegas .....	13.0	13.6	13.8	122.5	125.9	126.6	27.3	28.6	28.5
Reno .....	8.5	6.7	6.8	49.8	52.4	52.9	15.7	15.1	14.3
<b>New Hampshire</b> .....	25.9	28.0	28.4	104.0	108.3	111.4	54.5	61.6	57.3
Manchester .....	7.2	( <sup>2</sup> )	( <sup>2</sup> )	18.7	( <sup>2</sup> )	( <sup>2</sup> )	7.3	( <sup>2</sup> )	( <sup>2</sup> )
Nashua .....	2.7	2.8	2.8	15.1	15.4	15.4	5.3	6.2	5.5
<b>New Jersey</b> .....	196.4	204.1	206.1	819.3	847.3	855.1	536.4	552.0	542.4
Atlantic City .....	7.1	( <sup>2</sup> )	( <sup>2</sup> )	74.5	( <sup>2</sup> )	( <sup>2</sup> )	24.7	( <sup>2</sup> )	( <sup>2</sup> )
Bergen-Passaic .....	33.3	35.2	35.5	134.1	143.2	143.9	65.4	68.8	67.2
Camden .....	20.4	20.9	20.8	92.3	96.3	95.4	67.4	70.3	69.1
Jersey City .....	9.1	8.8	8.8	37.3	37.2	37.3	43.3	41.5	42.4
Middlesex-Somerset-Hunterdon .....	28.8	29.8	30.0	95.9	102.9	105.7	67.1	72.2	70.4
Monmouth-Ocean .....	14.9	15.8	16.0	85.8	87.0	91.7	58.6	60.4	57.7
Newark .....	70.7	73.3	73.8	231.4	237.5	239.7	140.4	138.9	140.3
Trenton .....	9.1	9.3	9.3	47.5	50.3	49.2	52.5	55.1	54.5
Vineland-Milville-Bridgeton .....	2.7	( <sup>2</sup> )	( <sup>2</sup> )	9.2	( <sup>2</sup> )	( <sup>2</sup> )	11.3	( <sup>2</sup> )	( <sup>2</sup> )

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>New Mexico</b> .....	516.5	524.4	520.2	20.3	15.3	15.0	38.6	38.1	38.4
Albuquerque .....	219.1	224.5	224.0	.2	.3	.3	18.7	18.6	18.6
Las Cruces .....	33.6	39.3	37.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.9	3.0
Santa Fe .....	52.4	52.0	52.6	.1	.1	.1	3.8	3.4	3.5
<b>New York</b> .....	7,784.4	7,959.3	7,925.6	7.1	6.5	6.5	304.8	325.8	332.7
Albany-Schenectady-Troy .....	382.2	392.9	390.4	.3	.4	.3	17.2	17.3	18.3
Binghamton .....	117.6	118.0	116.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.6	5.9
Buffalo .....	413.8	425.4	422.5	.5	.5	.5	17.9	18.3	18.6
Elmira .....	34.9	36.6	36.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.6	1.7
Glens Falls .....	46.0	44.5	46.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.0	2.1
Monroe County .....	385.3	( <sup>2</sup> )	( <sup>2</sup> )	.4	( <sup>2</sup> )	( <sup>2</sup> )	12.9	( <sup>2</sup> )	( <sup>2</sup> )
Nassau-Suffolk .....	1,082.7	1,123.2	1,111.9	.3	.3	.3	54.1	56.3	56.8
New York PMSA .....	3,989.4	4,072.9	4,087.2	1.8	1.7	1.7	136.1	146.4	147.5
New York City .....	3,481.5	3,558.7	3,552.0	1.3	1.2	1.2	107.8	116.3	116.8
Niagara Falls .....	80.1	79.8	79.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	3.1	3.3
Orange County .....	92.7	96.0	95.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.3	4.4
Poughkeepsie .....	116.4	116.4	117.0	.2	.2	.2	5.7	6.3	6.3
Rochester .....	450.2	456.4	450.1	.8	.7	.7	16.2	17.4	18.3
Rockland County .....	94.8	94.7	94.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.2	4.4	4.5
Syracuse .....	287.7	289.3	288.2	.4	.2	.2	16.9	18.0	18.9
Utica-Rome .....	119.2	118.9	118.7	.2	.2	.2	4.3	4.4	4.7
Westchester County .....	396.6	402.6	403.3	.3	.3	.3	22.9	24.3	24.6
<b>North Carolina</b> .....	2,804.2	2,733.2	2,681.7	4.8	4.6	4.7	153.9	163.7	166.0
Asheville .....	76.8	77.8	77.1	.1	.1	.1	3.7	3.6	3.7
Charlotte-Gastonia-Rock Hill .....	511.1	528.7	522.2	.3	.3	.3	30.2	30.6	31.3
Greensboro-Winston-Salem-High Point .....	427.7	442.7	436.8	.4	.4	.4	23.1	24.5	24.9
Raleigh-Durham .....	348.1	360.1	354.6	.3	.4	.3	24.6	24.7	25.1
<b>North Dakota</b> .....	253.1	252.2	249.3	7.1	4.5	4.5	14.1	12.5	12.9
Bismarck .....	36.0	36.5	35.8	.2	.2	.2	1.9	1.8	1.6
Fargo-Moorhead .....	65.1	66.7	65.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.4	3.7
Grand Forks .....	27.8	28.3	28.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	2.0
<b>Ohio</b> .....	4,363.5	4,549.1	4,515.1	26.8	25.0	25.2	168.1	170.8	178.0
Akron .....	257.6	267.1	265.5	.8	.7	.7	9.3	10.2	10.6
Canton .....	153.0	( <sup>2</sup> )	( <sup>2</sup> )	1.3	( <sup>2</sup> )	( <sup>2</sup> )	6.0	( <sup>2</sup> )	( <sup>2</sup> )
Cincinnati .....	630.6	657.6	655.9	.4	.5	.5	24.9	25.3	26.2
Cleveland .....	878.9	896.6	894.4	1.2	1.1	1.1	29.6	30.3	31.2
Columbus .....	602.6	646.8	640.8	1.0	1.0	1.0	22.9	24.6	26.1
Dayton-Springfield .....	405.7	419.9	418.3	.4	.4	.4	14.6	16.0	16.8
Toledo .....	260.2	270.2	267.9	.2	.2	.2	9.0	9.6	10.2
Youngstown-Warren .....	184.0	( <sup>2</sup> )	( <sup>2</sup> )	.7	( <sup>2</sup> )	( <sup>2</sup> )	7.3	( <sup>2</sup> )	( <sup>2</sup> )
<b>Oklahoma</b> .....	1,176.8	1,163.4	1,143.7	67.8	54.3	53.2	49.6	44.7	46.1
Enid .....	24.3	( <sup>2</sup> )	( <sup>2</sup> )	1.7	( <sup>2</sup> )	( <sup>2</sup> )	1.0	( <sup>2</sup> )	( <sup>2</sup> )
Lawton .....	33.7	33.7	32.8	.3	.2	.2	1.4	1.3	1.4
Oklahoma City .....	425.6	413.2	408.1	17.4	13.5	13.2	17.9	15.6	16.1
Tulsa .....	302.7	302.5	302.2	20.4	19.4	19.2	14.2	13.0	13.4
<b>Oregon</b> .....	1,023.8	1,067.1	1,043.8	1.8	1.8	1.9	35.4	34.1	35.1
Eugene-Springfield .....	94.7	99.8	96.6	.2	.2	.2	3.6	3.3	3.6
Portland .....	513.8	531.8	524.7	.6	.6	.6	17.7	17.6	18.0
Salem .....	90.0	91.7	90.9	.1	.1	.1	3.2	3.4	3.5
<b>Pennsylvania</b> .....	4,748.2	4,847.7	4,813.0	37.6	35.3	35.0	208.8	210.4	219.9
Allentown-Bethlehem .....	263.8	265.6	262.9	.5	.5	.5	10.4	11.1	11.8
Altoona .....	50.2	51.4	51.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.0	2.8	2.9
Beaver County .....	53.4	53.3	52.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.7	4.4	4.5
Delaware Valley .....	1,653.7	1,685.1	1,665.3	1.1	1.1	1.1	69.4	68.9	72.3
Erie .....	110.1	110.6	109.5	.2	.3	.3	3.4	3.6	3.9
Harrisburg-Lebanon-Carlisle .....	278.7	285.1	284.7	.4	.4	.4	11.0	10.6	10.8
Johnstown .....	77.8	78.2	78.2	4.8	3.6	3.5	3.1	3.2	3.4
Lancaster .....	166.5	173.9	173.0	.4	.4	.4	9.0	9.7	10.0
Philadelphia PMSA .....	2,050.6	2,100.8	2,077.2	1.2	1.2	1.2	89.4	90.1	94.1
Philadelphia City .....	754.0	762.9	746.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	16.1	19.6	20.3
Pittsburgh .....	855.3	868.8	865.5	7.1	7.1	7.2	43.7	44.3	45.8

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>New Mexico</b> .....	37.4	37.3	37.3	29.1	27.0	27.3	123.6	128.9	128.8
Albuquerque .....	19.4	19.5	19.5	11.9	11.5	11.8	56.4	58.2	58.1
Las Cruces .....	3.2	3.3	3.1	1.2	1.3	1.3	7.4	8.1	8.1
Santa Fe .....	1.5	1.5	1.5	1.1	1.1	1.1	10.4	10.1	10.3
<b>New York</b> .....	1,282.4	1,267.3	1,245.5	411.1	409.0	406.2	1,634.1	1,678.8	1,673.3
Albany-Schenectady-Troy .....	50.8	50.5	49.6	16.5	15.8	16.1	80.9	84.1	83.5
Binghamton .....	40.1	37.8	37.1	4.2	4.1	4.1	23.8	24.6	24.4
Buffalo .....	76.8	76.7	76.1	21.3	21.6	21.3	100.9	107.2	105.5
Elmira .....	6.7	7.2	7.1	1.3	1.3	1.3	9.8	10.2	10.2
Glens Falls .....	10.1	9.9	9.9	1.4	1.3	1.4	11.1	10.3	11.3
Monroe County .....	128.7	( <sup>2</sup> )	( <sup>2</sup> )	10.8	( <sup>2</sup> )	( <sup>2</sup> )	73.5	( <sup>2</sup> )	( <sup>2</sup> )
Nassau-Suffolk .....	180.8	182.5	180.5	43.8	47.5	45.0	290.8	302.4	300.7
New York PMSA .....	464.8	485.0	473.7	255.5	250.3	251.0	752.8	771.7	767.2
New York City .....	397.8	399.1	388.4	230.8	226.1	226.7	632.9	649.6	645.1
Niagara Falls .....	24.5	24.1	23.7	3.9	4.0	3.8	18.2	18.5	18.3
Orange County .....	14.9	15.3	15.2	5.2	5.5	5.2	24.2	25.2	25.4
Poughkeepsie .....	35.4	33.2	33.1	3.3	3.1	3.2	20.3	20.8	20.8
Rochester .....	149.5	139.4	138.6	13.5	13.6	13.4	92.9	96.9	96.2
Rockland County .....	15.8	15.7	15.6	3.9	4.1	3.9	21.8	22.0	22.0
Syracuse .....	58.5	55.7	55.0	16.0	16.1	16.7	66.1	67.8	67.8
Utica-Rome .....	25.8	25.5	24.8	4.6	4.4	4.5	25.3	25.7	25.6
Westchester County .....	69.5	68.5	68.0	20.2	19.4	19.8	94.0	96.1	95.9
<b>North Carolina</b> .....	818.8	825.6	821.1	128.6	133.1	132.3	578.2	600.5	601.5
Asheville .....	20.7	20.7	20.5	3.5	3.7	3.7	17.3	17.4	17.4
Charlotte-Gastonia-Rock Hill .....	146.4	146.3	145.0	44.0	46.5	46.5	123.1	124.9	125.1
Greensboro-Winston-Salem-High Point .....	152.0	149.3	150.9	24.3	25.1	25.1	93.0	95.9	96.1
Raleigh-Durham .....	59.5	57.7	57.5	16.8	17.3	17.4	72.4	76.4	76.2
<b>North Dakota</b> .....	15.5	15.7	15.5	16.4	15.7	15.6	68.3	68.3	68.0
Bismarck .....	2.1	2.0	2.0	2.9	2.7	2.7	9.8	9.8	9.8
Fargo-Moorhead .....	4.6	4.8	4.6	3.9	3.8	3.8	20.0	20.7	20.5
Grand Forks .....	1.5	1.7	1.7	1.5	1.4	1.4	7.9	8.0	7.9
<b>Ohio</b> .....	1,120.4	1,109.3	1,099.1	204.4	200.3	204.7	1,045.5	1,099.0	1,099.4
Akron .....	68.1	66.5	65.6	12.8	13.2	13.3	62.8	66.1	66.4
Canton .....	46.4	( <sup>2</sup> )	( <sup>2</sup> )	6.0	( <sup>2</sup> )	( <sup>2</sup> )	37.0	( <sup>2</sup> )	( <sup>2</sup> )
Cincinnati .....	147.5	146.1	148.1	33.8	33.6	34.3	160.0	168.4	169.3
Cleveland .....	210.7	205.8	203.9	41.5	41.9	42.1	210.1	216.4	216.0
Columbus .....	105.4	105.0	104.7	25.6	25.6	26.6	153.1	164.4	164.3
Dayton-Springfield .....	106.5	104.5	104.5	14.8	15.2	15.4	90.9	95.8	95.6
Toledo .....	64.3	62.3	61.9	14.0	13.2	13.2	65.3	68.6	68.3
Youngstown-Warren .....	52.3	( <sup>2</sup> )	( <sup>2</sup> )	7.5	( <sup>2</sup> )	( <sup>2</sup> )	46.0	( <sup>2</sup> )	( <sup>2</sup> )
<b>Oklahoma</b> .....	171.7	162.8	162.1	65.2	62.6	62.7	290.1	290.9	288.2
Enid .....	2.0	( <sup>2</sup> )	( <sup>2</sup> )	2.5	( <sup>2</sup> )	( <sup>2</sup> )	7.1	( <sup>2</sup> )	( <sup>2</sup> )
Lawton .....	3.4	3.6	3.5	1.3	1.3	1.3	9.1	8.9	8.8
Oklahoma City .....	51.9	49.7	49.8	22.0	20.4	20.8	109.5	104.2	103.3
Tulsa .....	53.4	52.5	52.0	21.5	21.5	21.8	73.6	74.7	75.0
<b>Oregon</b> .....	203.2	203.0	199.9	58.5	58.0	58.7	260.7	265.9	266.8
Eugene-Springfield .....	18.2	18.2	17.3	4.3	4.0	3.9	24.4	25.3	25.3
Portland .....	92.7	93.2	92.1	34.4	34.1	34.8	137.8	140.6	141.7
Salem .....	15.9	12.9	13.8	2.6	2.5	2.6	20.5	21.3	21.7
<b>Pennsylvania</b> .....	1,064.4	1,058.7	1,045.0	235.3	234.6	233.3	1,073.5	1,115.4	1,116.7
Allentown-Bethlehem .....	88.1	80.4	78.7	14.0	14.2	14.6	55.2	58.2	58.2
Altoona .....	11.1	11.4	11.3	4.7	4.4	4.5	12.7	13.3	13.4
Beaver County .....	14.3	11.6	11.4	4.9	5.0	4.9	11.5	11.7	11.6
Delaware Valley .....	321.6	315.4	312.9	77.8	77.1	77.9	365.1	382.4	381.3
Erie .....	36.0	34.1	33.3	4.3	4.4	4.3	23.8	24.6	24.4
Harrisburg-Lebanon-Carlisle .....	52.1	49.8	50.2	17.5	17.8	17.8	61.7	64.7	64.4
Johnstown .....	12.5	12.6	12.5	4.7	4.7	4.7	16.6	17.4	17.4
Lancaster .....	58.7	60.0	59.7	6.7	6.9	6.7	40.6	42.6	42.8
Philadelphia PMSA .....	397.9	394.2	391.0	95.0	94.1	95.1	470.7	493.2	490.7
Philadelphia City .....	103.5	101.3	101.1	45.2	44.1	45.3	144.5	148.9	147.4
Pittsburgh .....	139.2	132.6	129.7	44.9	44.6	44.4	215.4	221.7	220.5

See footnotes at end of table.



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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>New Mexico</b> .....	26.0	26.5	26.4	116.7	118.8	119.8	124.8	132.5	127.2
Albuquerque .....	13.4	13.6	13.6	57.5	59.4	59.7	41.6	43.4	42.4
Las Cruces .....	1.6	1.7	1.7	5.1	5.3	5.4	12.5	16.7	14.5
Santa Fe .....	2.0	2.0	2.1	13.7	13.3	13.4	19.8	20.5	20.6
<b>New York</b> .....	728.9	746.6	752.7	2,070.8	2,134.3	2,143.2	1,345.3	1,390.9	1,365.5
Albany-Schenectady-Troy .....	19.9	20.7	21.0	93.2	95.5	95.8	103.4	108.7	105.8
Binghamton .....	3.8	3.8	3.9	21.5	21.6	21.9	18.6	20.5	19.1
Buffalo .....	22.9	23.2	23.5	100.3	105.9	104.3	73.3	71.8	72.5
Elmira .....	1.2	1.2	1.2	8.5	8.6	8.6	6.0	6.4	6.1
Glens Falls .....	1.9	1.9	1.9	11.1	9.8	11.2	8.1	9.0	8.4
Monroe County .....	18.1	( <sup>a</sup> )	( <sup>a</sup> )	84.3	( <sup>a</sup> )	( <sup>a</sup> )	36.6	( <sup>a</sup> )	( <sup>a</sup> )
Nassau-Suffolk .....	65.9	68.7	69.3	277.0	281.5	284.2	170.0	184.3	175.0
New York PMSA .....	540.2	552.1	555.6	1,173.1	1,216.3	1,212.5	645.0	649.5	658.0
New York City .....	511.4	522.6	525.5	1,034.0	1,076.6	1,070.4	565.5	567.3	577.9
Niagara Falls .....	1.9	1.9	2.0	15.0	15.6	15.5	12.9	12.4	12.5
Orange County .....	3.7	3.6	3.6	20.5	20.2	20.8	20.1	21.8	20.6
Poughkeepsie .....	3.7	3.9	4.0	24.2	24.3	25.0	23.6	24.6	24.3
Rochester .....	20.1	20.8	21.0	99.4	103.4	102.6	58.0	64.3	59.3
Rockland County .....	3.8	3.9	4.0	23.9	23.4	24.0	21.4	21.3	20.8
Syracuse .....	19.1	19.1	19.2	63.3	65.1	65.3	47.3	49.3	47.3
Utica-Rome .....	6.2	6.4	6.4	23.6	23.9	23.6	29.3	28.4	28.9
Westchester County .....	24.5	25.1	25.7	110.7	112.0	113.3	54.6	57.0	55.7
<b>North Carolina</b> .....	110.0	116.6	117.6	432.8	455.0	457.5	376.8	434.3	381.1
Asheville .....	2.6	2.6	2.6	17.9	17.8	18.3	10.9	11.9	10.7
Charlotte-Gastonia-Rock Hill .....	28.7	30.2	30.3	88.0	92.2	92.0	50.5	57.7	51.8
Greensboro-Winston-Salem-High Point .....	20.9	21.7	21.9	72.2	74.1	74.4	41.7	51.7	43.1
Raleigh-Durham .....	18.9	20.4	20.6	79.2	82.0	82.1	76.5	81.1	75.4
<b>North Dakota</b> .....	12.6	12.7	12.7	58.1	59.5	59.7	61.0	63.3	60.4
Bismarck .....	1.7	1.7	1.7	9.7	10.0	9.9	7.7	8.5	7.9
Fargo-Moorhead .....	4.3	4.4	4.5	16.7	17.3	17.4	11.7	12.3	11.3
Grand Forks .....	1.1	1.1	1.1	6.0	6.3	6.3	7.9	7.9	7.9
<b>Ohio</b> .....	221.4	229.9	231.9	966.3	1,037.9	1,036.8	630.8	677.0	640.1
Akron .....	9.7	10.2	10.3	56.8	60.4	60.6	37.3	39.8	38.1
Canton .....	6.2	( <sup>a</sup> )	( <sup>a</sup> )	33.4	( <sup>a</sup> )	( <sup>a</sup> )	16.7	( <sup>a</sup> )	( <sup>a</sup> )
Cincinnati .....	35.9	37.7	38.0	151.6	161.1	161.6	76.5	82.9	77.9
Cleveland .....	50.1	52.0	52.3	216.0	230.4	228.4	119.8	118.7	119.5
Columbus .....	49.7	52.3	52.9	140.3	154.9	156.1	104.5	118.9	109.1
Dayton-Springfield .....	17.1	17.3	17.5	94.3	101.1	101.0	67.0	69.5	67.1
Toledo .....	10.3	11.5	11.6	61.2	66.0	66.2	35.8	38.7	36.2
Youngstown-Warren .....	7.5	( <sup>a</sup> )	( <sup>a</sup> )	41.8	( <sup>a</sup> )	( <sup>a</sup> )	20.9	( <sup>a</sup> )	( <sup>a</sup> )
<b>Oklahoma</b> .....	64.5	64.4	64.3	226.6	232.8	231.3	241.3	250.7	235.8
Enid .....	1.3	( <sup>a</sup> )	( <sup>a</sup> )	5.3	( <sup>a</sup> )	( <sup>a</sup> )	3.4	( <sup>a</sup> )	( <sup>a</sup> )
Lawton .....	1.7	1.5	1.5	5.5	5.5	5.4	11.0	11.4	10.7
Oklahoma City .....	27.7	26.9	26.9	86.4	85.7	84.3	92.8	97.2	93.7
Tulsa .....	17.6	17.4	17.0	69.9	69.8	70.0	32.1	34.2	33.8
<b>Oregon</b> .....	68.4	70.0	70.8	215.9	228.5	229.1	179.9	205.8	181.4
Eugene-Springfield .....	4.8	4.7	4.8	20.9	22.2	22.4	18.3	21.9	19.1
Portland .....	43.0	43.5	43.8	118.7	125.2	124.2	68.9	77.0	69.5
Salem .....	5.1	5.3	5.3	16.7	17.7	17.6	25.9	28.5	26.3
<b>Pennsylvania</b> .....	267.4	276.0	278.3	1,178.4	1,238.3	1,243.2	662.8	679.0	641.6
Allentown-Bethlehem .....	10.3	10.5	10.6	58.0	61.4	61.2	27.1	29.3	27.3
Altoona .....	1.5	1.5	1.5	9.8	10.7	10.5	7.4	7.3	6.9
Beaver County .....	1.8	1.9	1.9	10.3	10.9	10.9	6.9	7.8	7.0
Delaware Valley .....	123.0	126.0	126.8	472.3	487.7	487.7	223.4	226.5	205.3
Erie .....	5.0	5.1	5.2	25.1	26.2	26.5	12.3	12.3	11.6
Harrisburg-Lebanon-Carlisle .....	15.3	16.1	16.1	58.0	61.4	62.1	62.7	64.3	62.9
Johnstown .....	4.5	4.6	4.8	16.5	18.8	19.0	12.9	13.3	12.9
Lancaster .....	6.2	6.6	6.6	32.0	33.6	33.7	12.9	14.1	13.1
Philadelphia PMSA .....	143.5	146.9	147.6	562.1	584.1	583.1	290.8	296.8	274.4
Philadelphia City .....	66.5	68.1	68.4	232.4	241.3	239.7	143.8	139.6	124.5
Pittsburgh .....	50.7	52.4	52.6	245.2	256.6	256.0	109.1	109.5	109.5

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	Total			Mining			Construction		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	139.3	144.8	142.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.4	6.5	6.6
Scranton-Wilkes-Barre .....	276.2	283.2	284.2	0.8	0.8	0.8	12.0	11.8	12.6
Sharon .....	39.8	41.0	40.3	.2	.2	.2	1.3	1.5	1.7
State College .....	47.7	48.0	48.3	.3	.3	.3	2.1	2.1	2.2
Williamsport .....	45.8	47.6	47.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.9	2.0	2.1
York .....	160.3	164.5	163.0	.4	.4	.4	8.8	8.9	9.4
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	423.7	431.4	424.7	.2	.1	.2	16.4	16.1	16.4
Providence .....	126.0	130.2	126.1	.1	.1	.1	4.7	4.7	4.7
Providence .....	297.7	305.7	301.4	.1	.1	.1	11.3	11.8	12.1
<b>South Carolina</b>									
Charleston .....	1,296.2	1,350.4	1,334.9	1.8	1.8	1.8	86.6	90.7	91.0
Charleston .....	175.0	179.0	178.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.7	13.4	13.6
Columbia .....	205.6	210.9	208.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.0	13.5	13.7
Greenville-Spartanburg .....	282.0	291.5	286.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.7	20.5	20.7
<b>South Dakota</b>									
Rapid City .....	249.4	257.1	251.3	2.5	2.4	2.4	11.0	10.2	10.9
Rapid City .....	34.1	34.6	34.3	.3	.3	.3	2.0	1.8	1.9
Sioux Falls .....	62.6	64.1	63.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.6	3.8
<b>Tennessee</b>									
Chattanooga .....	1,862.0	1,930.8	1,924.9	7.6	6.7	6.9	86.1	84.4	87.2
Chattanooga .....	171.2	179.5	178.6	1.0	1.0	1.0	6.5	7.1	7.5
Johnson City-Kingsport-Bristol .....	150.4	151.1	150.2	.1	.1	.1	6.7	5.4	5.5
Knoxville .....	229.5	231.3	230.3	1.8	1.3	1.6	11.1	11.5	11.8
Memphis .....	385.3	388.2	387.0	.1	.1	.1	18.2	17.7	18.1
Nashville .....	425.5	427.9	426.3	.7	.7	.6	27.5	26.9	28.2
<b>Texas</b>									
Abilene .....	6,684.5	6,674.2	6,666.6	261.3	205.2	202.8	460.5	433.1	434.1
Abilene .....	52.5	52.2	51.9	4.0	3.4	3.4	2.9	2.9	3.0
Amarillo .....	81.2	81.1	80.8	1.9	1.5	1.4	4.7	4.0	4.0
Austin .....	354.7	363.1	364.4	1.1	1.1	1.1	28.4	25.6	25.7
Beaumont-Port Arthur .....	136.7	128.6	128.0	2.5	1.4	1.3	10.1	8.4	8.4
Brazoria .....	58.5	58.3	57.1	1.9	1.7	1.6	6.1	6.1	5.8
Brownsville-Harlingen .....	64.2	65.5	65.5	.1	.1	.1	3.3	3.1	3.2
Bryan-College Station .....	47.3	( <sup>2</sup> )	( <sup>2</sup> )	1.3	( <sup>2</sup> )	( <sup>2</sup> )	2.8	( <sup>2</sup> )	( <sup>2</sup> )
Corpus Christi .....	134.9	133.2	133.1	8.1	6.3	6.2	11.4	11.2	11.6
Dallas .....	1,312.4	1,357.0	1,347.8	24.2	22.3	22.2	88.4	82.4	80.2
El Paso .....	176.5	178.3	177.7	.3	.4	.3	9.5	9.5	9.5
Ft. Worth-Arlington .....	503.9	511.2	509.2	4.4	3.5	3.5	34.9	33.0	33.5
Galveston-Texas City .....	72.1	73.4	71.8	.8	.5	.4	3.5	2.9	2.9
Houston .....	1,491.1	1,475.1	1,469.8	92.4	82.0	80.2	108.9	98.2	98.9
Killeen-Temple .....	67.1	68.9	68.9	.1	.1	.1	4.4	4.0	4.1
Laredo .....	34.6	( <sup>2</sup> )	( <sup>2</sup> )	2.2	( <sup>2</sup> )	( <sup>2</sup> )	1.5	( <sup>2</sup> )	( <sup>2</sup> )
Longview-Marshall .....	68.7	67.5	67.2	4.6	4.2	4.1	3.7	3.2	3.2
Lubbock .....	90.3	89.4	89.2	.6	.4	.4	4.6	4.5	4.3
McAllen-Edinburg-Mission .....	79.6	86.0	81.8	1.7	1.3	1.4	4.8	4.6	4.5
Midland .....	49.3	46.6	46.4	11.5	9.2	9.3	2.4	2.3	2.3
Odessa .....	52.7	47.2	46.6	9.2	6.9	6.8	3.6	2.5	2.3
San Angelo .....	37.1	( <sup>2</sup> )	( <sup>2</sup> )	.9	( <sup>2</sup> )	( <sup>2</sup> )	2.3	( <sup>2</sup> )	( <sup>2</sup> )
San Antonio .....	479.3	486.3	483.6	3.3	2.7	2.7	38.0	35.6	35.3
Sherman-Denison .....	37.1	( <sup>2</sup> )	( <sup>2</sup> )	.3	( <sup>2</sup> )	( <sup>2</sup> )	1.8	( <sup>2</sup> )	( <sup>2</sup> )
Texarkana .....	46.2	( <sup>2</sup> )	( <sup>2</sup> )	.1	( <sup>2</sup> )	( <sup>2</sup> )	2.4	( <sup>2</sup> )	( <sup>2</sup> )
Tyler .....	63.0	63.8	63.0	2.8	2.1	2.1	3.0	2.9	3.0
Victoria .....	30.1	( <sup>2</sup> )	( <sup>2</sup> )	3.2	( <sup>2</sup> )	( <sup>2</sup> )	2.6	( <sup>2</sup> )	( <sup>2</sup> )
Waco .....	77.3	77.5	76.6	.2	.2	.2	4.6	4.6	4.8
Wichita Falls .....	51.6	( <sup>2</sup> )	( <sup>2</sup> )	3.0	( <sup>2</sup> )	( <sup>2</sup> )	2.2	( <sup>2</sup> )	( <sup>2</sup> )
<b>Utah</b>									
Provo-Orem .....	621.8	636.4	634.0	9.2	7.8	7.6	38.3	35.6	36.3
Provo-Orem .....	68.1	71.0	69.9	.1	.1	.1	3.8	3.6	3.7
Salt Lake City-Ogden .....	434.1	446.9	446.3	2.2	1.8	1.6	25.6	25.1	25.5
<b>Vermont</b>									
Burlington .....	220.8	227.5	223.4	.6	.8	.8	16.6	14.3	14.1
Burlington .....	66.7	67.9	66.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	3.9	3.7
Springfield .....	13.6	14.0	13.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.3	1.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	48.5	48.3	47.3	5.7	6.2	6.1	29.9	30.7	30.9
Scranton-Wilkes-Barre .....	72.3	73.3	72.5	14.3	15.0	14.7	60.3	61.6	62.1
Sharon .....	10.2	10.0	9.9	2.0	1.8	1.7	10.0	10.4	10.4
State College .....	7.8	7.8	7.7	1.2	1.2	1.2	9.0	8.9	8.9
Williamsport .....	14.7	15.2	15.1	1.9	1.8	1.9	10.2	10.6	10.8
York .....	57.9	57.2	57.3	6.7	7.1	6.8	37.9	39.0	38.7
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	117.2	119.8	115.5	13.6	13.9	14.2	95.2	95.7	95.8
Providence .....	53.2	55.7	52.8	3.4	3.5	3.5	29.3	29.9	29.7
Providence .....	75.2	77.0	74.3	10.3	10.5	10.8	65.1	67.1	67.1
<b>South Carolina</b>									
Charleston .....	361.6	363.3	359.0	56.9	57.1	57.4	287.8	299.2	303.0
Columbia .....	19.7	19.8	19.8	9.4	9.2	9.5	42.9	42.8	42.8
Columbia .....	27.7	27.7	27.7	9.6	9.2	9.7	44.9	46.8	46.7
Greenville-Spartanburg .....	96.8	96.5	95.4	10.3	10.3	10.4	64.0	66.5	67.0
<b>South Dakota</b>									
Rapid City .....	28.3	28.4	28.7	12.6	12.0	12.3	67.5	67.7	67.4
Rapid City .....	3.9	3.9	4.0	1.8	1.6	1.7	10.2	10.0	10.3
Sioux Falls .....	8.6	8.1	8.3	4.6	4.3	4.5	16.9	16.6	16.4
<b>Tennessee</b>									
Chattanooga .....	488.4	484.8	482.8	90.9	90.4	92.3	440.9	467.1	470.2
Johnson City-Kingsport-Bristol .....	43.4	43.7	43.0	8.2	7.9	8.0	40.4	38.7	39.5
Knoxville .....	51.6	51.3	51.5	5.6	5.7	5.6	33.8	33.3	34.1
Memphis .....	49.0	45.5	45.3	8.7	8.4	8.8	56.4	56.0	56.8
Nashville .....	52.8	51.6	51.5	32.4	33.2	33.6	107.9	107.4	107.6
Nashville .....	89.0	89.7	89.2	21.8	19.6	20.4	104.5	104.4	105.3
<b>Texas</b>									
Abilene .....	1,009.0	972.6	965.8	387.0	370.3	377.4	1,709.7	1,717.3	1,721.8
Amarillo .....	5.4	5.1	5.1	2.9	2.7	2.7	14.2	14.5	14.5
Amarillo .....	10.2	10.2	10.2	6.4	5.9	6.1	24.2	24.9	24.8
Austin .....	42.7	41.2	41.0	10.6	11.3	11.5	80.3	82.4	82.8
Beaumont-Port Arthur .....	27.3	25.0	25.1	10.4	9.4	9.6	33.5	32.5	32.4
Brazoria .....	16.7	15.6	15.5	2.2	2.1	2.2	11.7	11.4	11.4
Brownsville-Harlingen .....	10.0	9.1	9.1	3.4	3.3	3.4	18.5	18.4	18.4
Bryan-College Station .....	3.7	( <sup>2</sup> )	( <sup>2</sup> )	1.6	( <sup>2</sup> )	( <sup>2</sup> )	10.9	( <sup>2</sup> )	( <sup>2</sup> )
Corpus Christi .....	13.0	12.0	12.2	7.7	7.4	7.3	34.4	34.1	34.2
Dallas .....	233.7	234.8	235.8	83.7	85.7	85.7	349.2	360.5	360.6
El Paso .....	36.1	34.1	34.1	9.9	9.1	9.2	44.5	46.0	46.0
Ft. Worth-Arlington .....	114.8	114.5	113.8	26.7	27.3	28.1	136.1	138.3	138.3
Galveston-Texas City .....	10.8	9.7	9.7	5.7	5.5	5.6	14.3	14.3	14.4
Houston .....	174.5	162.5	161.3	101.3	98.3	99.8	381.7	370.5	370.7
Killeen-Temple .....	8.9	8.9	8.9	2.9	2.9	2.9	16.4	16.5	16.5
Laredo .....	1.8	( <sup>2</sup> )	( <sup>2</sup> )	3.8	( <sup>2</sup> )	( <sup>2</sup> )	10.5	( <sup>2</sup> )	( <sup>2</sup> )
Longview-Marshall .....	16.4	15.6	15.5	3.7	3.6	3.6	17.6	18.0	18.0
Lubbock .....	8.0	7.2	7.1	4.6	4.3	4.4	27.0	27.4	27.1
McAllen-Edinburg-Mission .....	11.3	12.5	11.8	2.6	2.6	2.6	24.5	26.9	25.0
Midland .....	3.8	3.6	3.6	2.4	2.3	2.3	11.2	11.0	10.8
Odessa .....	5.2	4.5	4.4	2.6	2.2	2.3	14.7	13.9	13.7
San Angelo .....	5.5	( <sup>2</sup> )	( <sup>2</sup> )	3.0	( <sup>2</sup> )	( <sup>2</sup> )	9.5	( <sup>2</sup> )	( <sup>2</sup> )
San Antonio .....	50.7	48.7	48.7	19.2	18.5	18.6	125.4	126.5	127.3
Sherman-Denison .....	11.9	( <sup>2</sup> )	( <sup>2</sup> )	2.0	( <sup>2</sup> )	( <sup>2</sup> )	8.1	( <sup>2</sup> )	( <sup>2</sup> )
Texarkana .....	7.8	( <sup>2</sup> )	( <sup>2</sup> )	2.1	( <sup>2</sup> )	( <sup>2</sup> )	10.9	( <sup>2</sup> )	( <sup>2</sup> )
Tyler .....	12.0	11.7	11.0	3.1	3.1	3.1	17.1	17.7	17.7
Victoria .....	3.2	( <sup>2</sup> )	( <sup>2</sup> )	1.6	( <sup>2</sup> )	( <sup>2</sup> )	8.3	( <sup>2</sup> )	( <sup>2</sup> )
Waco .....	16.7	15.7	15.4	3.6	3.6	3.6	18.9	18.9	18.9
Wichita Falls .....	8.4	( <sup>2</sup> )	( <sup>2</sup> )	2.9	( <sup>2</sup> )	( <sup>2</sup> )	13.0	( <sup>2</sup> )	( <sup>2</sup> )
<b>Utah</b>									
Provo-Orem .....	93.9	93.0	92.4	37.2	37.2	37.8	148.1	152.4	152.6
Salt Lake City-Ogden .....	11.6	11.8	11.5	2.3	2.2	2.2	14.5	15.0	15.2
Salt Lake City-Ogden .....	63.5	62.5	62.3	29.0	28.5	28.8	108.3	111.3	111.0
<b>Vermont</b>									
Burlington .....	48.3	49.4	48.0	9.4	9.7	9.8	50.4	51.8	52.5
Springfield .....	17.0	16.4	16.5	2.8	2.8	2.8	15.4	16.2	16.1
Springfield .....	3.8	3.7	3.5	.6	.6	.7	2.5	2.9	2.8

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		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	7.2	7.8	8.0	27.0	29.1	28.6	14.6	16.2	14.6
Scranton-Wilkes-Barre .....	11.7	12.2	12.3	65.2	68.8	70.0	39.6	39.7	39.2
Sharon .....	1.3	1.3	1.3	9.9	10.5	10.3	4.9	5.3	4.8
State College .....	1.5	1.5	1.5	8.4	8.9	8.9	17.4	17.3	17.6
Williamsport .....	2.3	2.3	2.3	8.8	9.2	9.4	5.8	6.5	6.0
York .....	4.7	5.0	5.0	27.1	29.4	28.8	16.8	17.5	16.6
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	23.6	23.6	23.7	101.8	104.9	102.8	55.7	57.3	56.1
Providence .....	3.6	3.5	3.5	22.5	22.8	22.5	9.2	10.0	9.5
	19.7	19.8	19.9	74.0	77.1	75.5	42.0	42.3	41.6
<b>South Carolina</b>									
Charleston .....	58.7	59.8	60.3	215.5	227.0	226.7	227.3	251.5	235.7
Columbia .....	8.5	8.6	8.6	33.1	36.2	36.2	47.6	48.9	47.7
Greenville-Spartanburg .....	17.1	18.2	18.3	37.8	38.7	38.6	55.2	56.5	53.1
	11.2	11.2	11.3	46.5	47.9	48.0	32.2	38.2	33.4
<b>South Dakota</b>									
Rapid City .....	14.1	14.1	14.1	59.1	60.5	60.8	54.2	61.8	54.6
Sioux Falls .....	1.7	1.7	1.7	8.7	8.7	8.7	5.5	6.6	5.7
	5.8	5.8	5.8	16.5	17.5	17.5	6.3	8.1	6.6
<b>Tennessee</b>									
Chattanooga .....	91.3	90.9	92.3	363.2	393.2	395.5	293.5	313.3	297.7
Johnson City-Kingsport-Bristol .....	10.7	11.2	11.4	33.3	40.0	38.9	27.8	29.9	29.3
Knoxville .....	4.8	4.7	4.7	24.1	24.5	24.5	23.9	26.1	24.2
Memphis .....	9.0	8.1	8.2	49.3	52.1	52.2	44.3	48.4	45.6
Nashville .....	22.6	23.2	23.2	88.1	88.2	88.3	63.2	66.8	64.6
	29.8	29.8	30.2	92.7	94.7	93.2	59.5	62.1	59.2
<b>Texas</b>									
Abilene .....	443.0	455.4	457.8	1,360.7	1,386.0	1,389.1	1,053.3	1,134.3	1,117.8
Amarillo .....	2.8	2.8	2.8	12.8	12.9	12.9	7.5	7.9	7.5
Austin .....	4.6	4.4	4.4	16.6	16.8	16.7	12.6	13.4	13.2
Beaumont-Port Arthur .....	24.8	25.7	25.6	81.0	84.5	85.1	85.8	91.3	91.6
Brazoria .....	5.8	5.3	5.3	28.4	27.6	27.3	18.7	19.0	18.6
Brownsville-Harlingen .....	2.4	2.3	2.3	8.1	8.3	8.3	9.4	10.8	10.0
Bryan-College Station .....	3.6	3.6	3.6	12.8	13.7	13.9	12.5	14.2	13.8
Corpus Christi .....	2.1	( <sup>a</sup> )	( <sup>a</sup> )	7.6	( <sup>a</sup> )	( <sup>a</sup> )	17.3	( <sup>a</sup> )	( <sup>a</sup> )
Dallas .....	7.0	7.0	7.0	27.3	27.7	27.8	26.0	27.5	26.8
El Paso .....	127.3	133.6	133.7	277.8	296.3	295.3	128.1	141.4	134.3
Ft. Worth-Arlington .....	9.2	9.5	9.5	33.2	34.3	34.0	33.8	35.4	35.1
Galveston-Texas City .....	28.1	28.0	28.3	102.5	107.0	106.8	56.4	59.6	56.9
Houston .....	4.7	4.7	4.7	13.4	13.5	13.7	18.9	22.3	20.4
Killeen-Temple .....	110.9	115.2	115.4	348.6	358.4	358.8	172.8	190.0	184.7
Laredo .....	3.0	3.0	3.0	12.6	13.5	13.7	18.8	20.0	19.7
Longview-Marshall .....	1.5	( <sup>a</sup> )	( <sup>a</sup> )	5.6	( <sup>a</sup> )	( <sup>a</sup> )	7.7	( <sup>a</sup> )	( <sup>a</sup> )
Lubbock .....	3.4	3.5	3.5	11.8	11.7	11.6	7.5	7.7	7.7
McAllen-Edinburg-Mission .....	5.4	5.2	5.4	19.8	19.8	20.0	20.3	20.6	20.5
Midland .....	3.8	4.0	4.0	12.8	13.4	13.3	18.1	20.7	19.2
Odessa .....	3.3	3.1	3.1	9.2	9.0	9.0	5.5	6.1	6.0
San Angelo .....	1.9	1.9	1.9	8.1	8.0	8.0	7.4	7.3	7.2
San Antonio .....	2.0	( <sup>a</sup> )	( <sup>a</sup> )	7.6	( <sup>a</sup> )	( <sup>a</sup> )	6.3	( <sup>a</sup> )	( <sup>a</sup> )
Sherman-Denison .....	35.7	37.3	37.3	107.8	111.0	111.4	99.2	106.0	102.3
Texarkana .....	1.4	( <sup>a</sup> )	( <sup>a</sup> )	7.0	( <sup>a</sup> )	( <sup>a</sup> )	4.6	( <sup>a</sup> )	( <sup>a</sup> )
Tyler .....	1.9	( <sup>a</sup> )	( <sup>a</sup> )	8.5	( <sup>a</sup> )	( <sup>a</sup> )	12.5	( <sup>a</sup> )	( <sup>a</sup> )
Victoria .....	3.9	4.1	4.1	13.2	13.6	13.6	7.9	8.6	8.4
Waco .....	1.7	( <sup>a</sup> )	( <sup>a</sup> )	5.4	( <sup>a</sup> )	( <sup>a</sup> )	4.1	( <sup>a</sup> )	( <sup>a</sup> )
Wichita Falls .....	4.7	4.8	4.8	17.8	17.7	17.8	10.8	12.0	11.1
	2.4	( <sup>a</sup> )	( <sup>a</sup> )	9.7	( <sup>a</sup> )	( <sup>a</sup> )	10.0	( <sup>a</sup> )	( <sup>a</sup> )
<b>Utah</b>									
Provo-Orem .....	31.2	33.1	33.3	132.0	136.1	138.1	131.9	141.2	135.8
Salt Lake City-Ogden .....	2.1	2.2	2.2	21.3	23.0	23.0	12.4	13.1	12.0
	25.7	27.5	27.6	92.7	95.6	97.2	87.1	94.7	92.0
<b>Vermont</b>									
Burlington .....	10.2	10.7	10.8	52.8	53.5	53.5	32.5	37.3	33.9
Springfield .....	2.9	3.0	3.1	15.4	15.4	15.6	8.9	10.2	8.9
	.4	.4	.4	3.5	3.3	3.4	1.5	1.8	1.5

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	Total			Mining			Construction		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Virginia</b> .....	2,443.1	2,559.3	2,534.9	17.6	17.3	17.1	161.2	169.0	171.4
Bristol .....	28.7	30.6	30.4	.1	.1	.1	1.5	1.6	1.7
Charlottesville .....	56.9	(?)	(?)	.1	(?)	(?)	3.8	(?)	(?)
Danville .....	38.1	(?)	(?)	.1	(?)	(?)	1.6	(?)	(?)
Lynchburg .....	69.4	72.5	70.8	.1	.1	.1	2.8	3.2	3.3
Norfolk-Virginia Beach-Newport News .....	516.8	536.4	529.6	.1	.1	.1	35.6	38.8	39.3
Northern Virginia .....	624.6	660.0	661.8	.6	.6	.6	44.6	48.5	49.5
Richmond-Petersburg .....	402.1	411.4	403.7	.3	.4	.4	25.2	24.8	24.8
Roanoke .....	114.0	115.6	114.9	.1	.2	.2	7.4	7.7	7.6
<b>Washington</b> .....	1,710.6	1,775.1	1,760.6	2.9	2.9	2.9	86.0	84.7	86.8
Seattle .....	853.8	888.1	889.7	.5	.5	.5	44.0	45.8	46.5
<b>West Virginia</b> .....	605.2	600.7	603.7	45.0	40.9	40.8	25.9	25.6	26.3
Charleston .....	109.6	108.0	109.5	2.5	2.5	2.5	4.6	4.8	4.9
Huntington-Ashland .....	100.6	100.6	101.0	1.2	1.2	1.2	4.4	4.3	4.3
Parkersburg-Marietta .....	57.8	58.5	57.8	1.1	.9	.9	3.2	2.9	3.0
Wheeling .....	57.9	57.3	57.8	2.7	2.3	2.3	2.2	2.0	2.1
<b>Wisconsin</b> .....	1,982.3	2,040.9	2,023.7	2.7	2.9	3.0	70.0	69.5	71.0
Appleton-Oshkosh-Neenah .....	136.4	140.2	139.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.4	6.2	6.4
Eau Claire .....	50.4	52.7	52.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.8	1.9
Green Bay .....	87.5	90.2	89.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.3	3.6
Janesville-Beloit .....	51.5	53.7	52.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.5	1.4
Kenosha .....	38.2	37.5	36.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.1
La Crosse .....	46.5	48.3	48.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.2
Madison .....	187.2	191.7	190.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	6.4	6.5
Milwaukee .....	659.0	677.1	667.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.6	20.8	20.9
Racine .....	66.1	67.7	66.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.9	2.0
Sheboygan .....	44.5	45.7	46.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.4	1.4
Wausau .....	42.1	43.2	43.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.6	1.8
<b>Wyoming</b> .....	213.1	205.5	203.0	26.1	22.1	21.9	18.2	15.6	16.3
<b>Puerto Rico</b> .....	674.0	704.9	700.9	.7	.7	.7	25.0	27.5	27.7
Caguas .....	42.2	42.9	43.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Mayaguez .....	46.4	50.6	50.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Ponce .....	41.2	43.2	43.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.4	2.5
San Juan .....	418.3	438.0	433.6	.3	.3	.3	20.1	22.5	22.4
<b>Virgin Islands</b> .....	37.3	36.4	37.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.7	2.8

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Virginia</b> .....	417.9	427.5	428.0	133.7	130.0	135.1	549.2	575.2	577.9
Bristol .....	9.3	9.8	9.8	1.1	1.2	1.1	7.4	7.5	7.5
Charlottesville .....	8.9	( <sup>1</sup> )	( <sup>1</sup> )	2.1	( <sup>1</sup> )	( <sup>1</sup> )	11.5	( <sup>1</sup> )	( <sup>1</sup> )
Danville .....	16.6	( <sup>1</sup> )	( <sup>1</sup> )	.9	( <sup>1</sup> )	( <sup>1</sup> )	8.1	( <sup>1</sup> )	( <sup>1</sup> )
Lynchburg .....	24.8	24.2	23.9	3.0	3.1	3.1	13.0	13.8	13.8
Norfolk-Virginia Beach-Newport News .....	68.1	68.4	68.4	25.8	24.8	24.9	126.5	130.0	131.0
Northern Virginia .....	32.0	32.8	32.7	43.7	41.0	45.4	143.7	155.8	155.8
Richmond-Petersburg .....	63.2	59.9	61.6	21.7	21.1	21.7	96.4	99.1	96.7
Roanoke .....	20.9	20.7	20.5	9.4	9.7	9.7	28.9	29.6	29.7
<b>Washington</b> .....	295.9	299.5	296.0	96.0	95.6	96.4	425.7	441.4	443.9
Seattle .....	183.5	170.2	171.0	56.8	57.9	57.9	212.6	220.9	223.6
<b>West Virginia</b> .....	89.9	88.4	87.5	38.5	36.4	36.9	135.4	135.7	135.8
Charleston .....	13.8	12.3	12.4	8.7	8.4	8.5	28.1	28.2	28.4
Huntington-Ashland .....	19.7	19.3	19.1	8.1	7.5	7.5	26.0	26.7	26.7
Parkersburg-Marietta .....	14.4	14.8	14.2	2.0	2.0	2.0	13.9	13.9	14.1
Wheeling .....	7.3	7.6	7.7	3.3	3.2	3.2	14.9	14.8	15.0
<b>Wisconsin</b> .....	523.7	524.4	524.3	92.0	95.0	92.9	468.7	478.4	480.4
Appleton-Oshkosh-Neenah .....	49.3	50.7	49.9	4.7	4.8	4.7	29.1	29.5	29.7
Eau Claire .....	9.6	10.0	10.1	2.6	2.5	2.6	14.5	15.4	15.3
Green Bay .....	24.6	24.7	25.1	6.2	6.3	6.2	22.3	22.5	22.3
Janesville-Beloit .....	18.2	18.0	17.7	1.9	2.0	1.9	12.8	13.3	13.2
Kenosha .....	13.2	11.2	11.0	1.3	1.2	1.2	8.4	8.6	8.7
La Crosse .....	10.7	10.7	10.7	2.4	2.4	2.4	12.6	12.7	12.8
Madison .....	21.8	21.8	21.7	6.4	6.5	6.5	39.9	41.1	41.1
Milwaukee .....	169.9	171.5	169.7	34.8	35.6	34.5	150.7	154.4	155.2
Racine .....	23.8	23.4	22.8	2.1	2.1	2.1	15.2	15.8	15.6
Sheboygan .....	18.6	18.4	18.3	1.3	1.4	1.4	8.6	8.6	8.7
Wausau .....	11.3	11.4	11.5	2.4	2.5	2.4	10.5	10.9	10.9
<b>Wyoming</b> .....	8.1	8.1	8.0	15.1	14.7	14.8	47.7	44.1	44.9
<b>Puerto Rico</b> .....	145.9	149.2	148.8	14.5	14.4	14.5	117.9	122.1	121.2
Caguas .....	14.4	14.7	15.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.1	8.0	8.0
Mayaguez .....	19.8	21.2	21.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.1	6.2	6.1
Ponce .....	6.0	6.3	6.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.4	6.4	6.2
San Juan .....	66.4	65.9	65.7	10.9	10.9	10.6	61.1	64.0	63.5
<b>Virgin Islands</b> .....	2.1	1.6	1.6	2.2	2.3	2.3	7.9	8.1	8.0

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	Finance, insurance, and real estate			Services			Government		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Virginia</b> .....	126.3	131.3	132.4	548.9	572.5	572.6	486.3	536.5	500.4
Bristol .....	1.0	1.0	.9	3.9	4.1	4.1	4.5	5.5	5.2
Charlottesville .....	3.1	( <sup>1</sup> )	( <sup>1</sup> )	10.6	( <sup>1</sup> )	( <sup>1</sup> )	16.8	( <sup>1</sup> )	( <sup>1</sup> )
Danville .....	1.1	( <sup>1</sup> )	( <sup>1</sup> )	5.5	( <sup>1</sup> )	( <sup>1</sup> )	4.3	( <sup>1</sup> )	( <sup>1</sup> )
Lynchburg .....	3.5	3.6	3.6	12.3	12.7	12.4	10.0	11.9	10.7
Norfolk-Virginia Beach-Newport News .....	23.5	23.6	23.5	120.0	124.7	124.8	117.3	126.0	117.6
Northern Virginia .....	38.0	41.0	41.8	187.2	194.9	195.3	134.7	145.4	140.6
Richmond-Petersburg .....	32.4	34.7	35.0	80.0	83.0	82.8	82.8	88.3	78.8
Roanoke .....	6.8	6.9	6.9	25.8	26.5	26.5	14.6	14.3	13.7
<b>Washington</b> .....	100.4	104.5	105.3	376.7	389.2	389.7	327.0	357.3	339.6
Seattle .....	63.3	65.5	65.9	191.7	199.8	199.5	121.4	127.5	124.8
<b>West Virginia</b> .....	23.9	24.2	24.2	116.2	120.5	120.4	130.4	129.0	131.8
Charleston .....	5.9	6.0	6.0	23.6	24.4	24.6	22.2	21.4	22.2
Huntington-Ashland .....	3.9	3.9	3.9	18.6	19.1	19.2	18.7	18.6	19.1
Parkersburg-Manetta .....	2.1	2.2	2.2	11.9	12.3	12.3	9.2	9.5	9.1
Wheeling .....	2.9	3.0	3.0	15.3	14.7	14.9	9.3	9.6	9.6
<b>Wisconsin</b> .....	105.7	109.0	109.9	421.2	431.5	435.9	298.3	330.3	306.5
Appleton-Oshkosh-Neenah .....	6.9	7.1	7.1	24.4	25.5	26.5	15.4	16.4	15.1
Eau Claire .....	1.9	2.0	2.0	10.6	11.3	11.5	9.1	9.7	9.2
Green Bay .....	3.1	3.2	3.2	18.1	19.7	19.6	9.2	10.3	9.1
Janesville-Beloit .....	1.7	1.7	1.7	9.6	10.4	10.3	6.0	6.7	6.4
Kenosha .....	1.0	1.1	1.1	7.6	7.8	7.8	5.3	6.4	6.0
La Crosse .....	1.4	1.5	1.4	12.1	13.4	13.5	5.9	6.6	6.2
Madison .....	15.3	16.9	17.2	40.0	41.3	40.9	56.1	57.6	56.7
Milwaukee .....	45.1	45.6	46.1	163.6	166.9	167.4	73.9	82.0	73.6
Racine .....	2.3	2.3	2.3	13.0	13.8	13.4	7.9	8.4	8.0
Sheboygan .....	2.0	2.0	2.0	7.5	8.2	8.5	5.2	5.6	5.6
Wausau .....	3.4	3.3	3.3	7.6	7.8	7.9	5.5	5.7	5.5
<b>Wyoming</b> .....	8.1	8.0	8.1	39.8	37.5	37.8	50.0	55.4	51.3
<b>Puerto Rico</b> .....	30.7	31.5	31.6	88.6	95.0	92.8	250.7	264.4	263.6
Caguas .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.6	15.2	15.1
Mayaguez .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.3	15.5	15.3
Ponce .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	7.4	7.5	14.6	15.3	15.2
San Juan .....	24.6	25.5	25.6	65.2	69.6	68.1	149.6	157.2	157.2
<b>Virgin Islands</b> .....	1.8	1.7	1.7	6.5	7.0	6.8	14.2	13.0	14.1

<sup>1</sup> Not available.

<sup>2</sup> Publication of data has been suspended because of budget cuts.

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

<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 1985 benchmarks except Michigan. Data for Michigan have been adjusted to December 1984 benchmarks.

**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, 1964 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>								
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	42.8	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	11.28	479.40	37.1	11.94	442.97
1984 .....	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985 .....	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.31	464.09
	<b>Monthly data, not seasonally adjusted</b>								
<b>1985:</b>									
August .....	35.2	\$8.52	\$299.90	43.3	\$11.99	\$519.17	38.4	\$12.28	\$471.55
September .....	35.0	8.67	303.45	43.7	12.05	526.59	38.5	12.46	479.71
October .....	34.9	8.64	301.54	43.2	12.00	518.40	38.3	12.42	475.69
November .....	34.8	8.66	301.37	43.2	12.07	521.42	36.7	12.28	450.68
December .....	35.2	8.71	306.59	43.8	12.27	537.43	36.9	12.47	460.14
<b>1986:</b>									
January .....	34.7	8.72	302.58	44.4	12.24	543.46	37.2	12.34	459.05
February .....	34.4	8.74	300.66	42.4	12.32	522.37	35.2	12.35	434.72
March .....	34.7	8.73	302.93	42.3	12.35	522.41	36.4	12.22	444.81
April .....	34.6	8.72	301.71	42.0	12.43	522.06	37.6	12.29	462.10
May .....	34.7	8.72	302.58	41.8	12.44	519.99	37.9	12.33	467.31
June .....	34.9	8.71	303.98	42.0	12.50	525.00	37.8	12.31	465.32
July <sup>a</sup> .....	35.0	8.69	304.15	41.5	12.46	517.09	38.2	12.31	470.24
August <sup>a</sup> .....	35.1	8.69	305.02	41.7	12.47	520.00	38.3	12.42	475.69

See footnotes at end of table.



**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by major industry, 1964 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>										
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	8.52	354.08	39.0	10.79	420.81	38.5	8.55	329.18
1984 .....	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.89	342.27
1985 .....	40.5	9.53	9.16	385.97	39.5	11.40	450.30	38.4	9.16	351.74
<b>Monthly data, not seasonally adjusted</b>										
<b>1985:</b>										
August .....	40.5	\$9.49	\$9.12	\$384.35	39.8	\$11.42	\$454.52	38.5	\$9.12	\$351.12
September .....	40.8	9.57	9.16	390.46	39.7	11.54	458.14	38.5	9.22	354.97
October .....	40.8	9.56	9.17	390.05	39.5	11.48	453.46	38.4	9.16	351.74
November .....	40.9	9.63	9.23	393.87	39.5	11.59	457.81	38.5	9.23	355.36
December .....	41.7	9.74	9.31	406.16	39.7	11.61	460.92	38.6	9.33	360.14
<b>1986:</b>										
January .....	40.7	9.70	9.31	394.79	39.0	11.59	452.01	38.3	9.28	355.42
February .....	40.3	9.70	9.33	390.91	39.2	11.64	456.29	38.0	9.36	355.68
March .....	40.7	9.72	9.33	395.60	39.4	11.62	457.83	38.3	9.33	357.34
April .....	40.5	9.70	9.33	392.85	39.0	11.55	450.45	38.3	9.29	355.81
May .....	40.6	9.71	9.34	394.23	39.0	11.54	450.06	38.4	9.29	356.74
June .....	40.8	9.70	9.32	395.76	39.4	11.57	455.86	38.5	9.32	358.82
July <sup>p</sup> .....	40.2	9.73	9.35	391.15	39.4	11.60	457.04	38.5	9.30	358.05
August <sup>p</sup> .....	40.7	9.68	9.26	393.98	39.6	11.56	457.78	38.5	9.31	358.44

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, 1964 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>									
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	7.31	239.04
1984 .....	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985 .....	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.89	256.43
<b>Monthly data, not seasonally adjusted</b>									
<b>1985:</b>									
August .....	30.1	\$5.88	\$176.99	36.3	\$7.91	\$287.13	32.8	\$7.82	\$256.50
September .....	29.4	5.98	175.81	36.5	8.04	293.46	32.4	7.99	258.88
October .....	29.2	5.95	173.74	36.3	8.01	290.76	32.5	7.99	259.68
November .....	29.1	5.97	173.73	36.2	8.06	291.77	32.3	8.05	260.02
December .....	29.8	5.99	178.50	36.7	8.15	299.11	32.5	8.12	263.90
<b>1986:</b>									
January .....	28.7	6.03	173.06	36.4	8.14	296.30	32.4	8.12	263.09
February .....	28.6	6.04	172.74	36.8	8.28	304.70	32.4	8.17	264.71
March .....	28.9	6.03	174.27	36.7	8.30	304.61	32.4	8.18	265.03
April .....	28.9	6.01	173.69	36.4	8.29	301.76	32.4	8.12	263.09
May .....	29.1	6.00	174.60	36.3	8.31	301.65	32.4	8.10	262.44
June .....	29.5	5.99	176.71	36.6	8.37	306.34	32.6	8.10	264.06
July <sup>p</sup> .....	29.9	5.97	178.50	36.4	8.31	302.48	32.8	8.03	263.38
August <sup>p</sup> .....	29.9	5.95	177.91	36.5	8.32	303.68	32.9	8.04	264.52

<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 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 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				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Total private</b> .....		35.1	35.2	34.9	35.0	35.1					
<b>Mining</b> .....		42.8	43.3	42.0	41.5	41.7					
Metal mining .....	10	41.0	40.6	41.2	40.4						
Iron ores .....	101	42.0	39.5	40.9	40.5						
Copper ores .....	102	42.2	41.1	42.1	40.6						
Coal mining .....	11,12		41.2	40.6							
Bituminous coal and lignite mining .....	12		41.3	40.6							
Oil and gas extraction .....	13	44.0	43.8	41.9	42.3						
Crude petroleum, natural gas, and natural gas liquids .....	131,2	42.3	41.8	42.1	42.4						
Oil and gas field services .....	138	44.8	44.7	41.7	42.2						
Nonmetallic minerals, except fuels .....	14	45.6	45.5	45.1	45.5						
Crushed and broken stone .....	142	47.3	47.5	46.4	47.3						
<b>Construction</b> .....		38.6	38.4	37.8	38.2	38.3					
General building contractors .....	15	37.6	37.5	37.5	37.5						
Residential building construction .....	152	37.0	37.0	37.1	37.0						
Operative builders .....	153	39.9	39.7	39.5	39.5						
Nonresidential building construction .....	154	38.0	38.0	37.8	38.0						
Heavy construction contractors .....	16	43.0	42.4	41.6	42.6						
Highway and street construction .....	161	45.0	43.6	42.5	43.2						
Heavy construction, except highway .....	162	41.8	41.8	41.1	42.2						
Special trade contractors .....	17	37.6	37.4	36.8	37.2						
Plumbing, heating, and air conditioning .....	171	38.7	38.5	38.3	38.6	-					
Painting, paper hanging, and decorating .....	172	35.9	35.6	34.9	35.8						
Electrical work .....	173	39.0	38.9	38.7	39.2						
Masonry, stonework, and plastering .....	174	35.9	35.9	35.2	35.6						
Carpentering and flooring .....	175	35.5	35.9	34.4	34.5	-					
Roofing and sheet metal work .....	176	35.8	35.4	33.6	34.4						
<b>Manufacturing</b> .....		40.1	40.5	40.8	40.2	40.7	3.1	3.4	3.4	3.3	3.6
<b>Durable goods</b> .....		40.6	41.0	41.4	40.7	41.1	3.2	3.4	3.5	3.3	3.6
Lumber and wood products .....	24	39.7	40.5	40.6	39.9	40.4	3.4	3.6	3.8	3.5	
Logging camps and logging contractors .....	241	38.5	39.8	40.1	39.1	-	2.9	3.7	4.2	3.6	
Sawmills and planing mills .....	242	40.0	41.0	41.3	40.7		4.0	4.0	4.6	4.2	
Sawmills and planing mills, general .....	2421	40.2	41.3	41.5	40.8		4.3	4.3	4.8	4.5	
Hardwood dimension and flooring .....	2426	39.1	39.5	40.9	40.4		2.2	2.6	3.6	2.9	
Millwork, plywood, and structural members .....	243	40.2	41.0	41.1	40.0		3.6	3.9	3.8	3.5	
Millwork .....	2431	40.5	42.2	41.2	40.4		3.8	4.3	3.5	3.3	
Wood kitchen cabinets .....	2434	39.8	39.9	40.7	39.3		2.8	3.0	3.4	3.1	
Hardwood veneer and plywood .....	2435	39.3	39.7	40.6	39.8		2.9	3.0	3.2	3.2	
Softwood veneer and plywood .....	2436	40.3	41.2	41.6	40.1		4.6	4.6	4.7	4.4	
Wood containers .....	244	38.0	38.4	38.5	37.9		2.3	2.2	2.6	2.3	
Wood buildings and mobile homes .....	245	39.0	39.0	39.3	39.8	-	2.5	3.0	2.5	3.0	
Mobile homes .....	2451	38.9	38.9	39.3	40.0		2.3	2.8	2.2	2.8	
Miscellaneous wood products .....	249	40.0	40.4	40.3	39.3	-	3.0	3.2	3.2	3.1	
Furniture and fixtures .....	25	38.3	39.4	39.5	38.7	39.8	2.0	2.5	2.5	2.2	
Household furniture .....	251	37.3	38.6	38.7	37.7	-	1.4	1.9	2.1	1.7	
Wood household furniture .....	2511	37.4	38.8	39.1	38.3		1.3	2.0	2.4	1.9	
Upholstered household furniture .....	2512	35.7	37.9	37.8	36.6		.9	1.4	1.5	1.1	
Metal household furniture .....	2514	39.9	38.9	38.7	37.6	-	2.5	2.4	2.2	2.0	
Mattresses and bedsprings .....	2515	39.4	39.8	39.1	38.3	-	2.8	2.8	2.3	2.4	
Office furniture .....	252	39.8	40.8	40.7	39.6	-	2.9	3.2	3.1	2.8	
Public building and related furniture .....	253	40.1	40.0	40.0	39.2	-	2.7	3.2	3.1	2.8	
Partitions and fixtures .....	254	39.9	40.7	41.8	41.6	-	3.2	3.6	3.5	3.8	
Miscellaneous furniture and fixtures .....	259	39.7	41.6	40.1	40.1		2.5	3.1	2.6	2.2	
Stone, clay, and glass products .....	32	42.3	42.4	42.8	42.5	42.9	5.2	5.2	5.1	5.3	
Flat glass .....	321	44.9	45.1	44.0	46.0	-	6.4	6.8	6.2	7.1	
Glass and glassware, pressed or blown .....	322	41.0	40.8	41.6	40.9		4.4	4.4	4.7	4.7	

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				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Total private</b> .....		\$8.52	\$8.52	\$8.71	\$8.69	\$8.69	\$299.05	\$299.90	\$303.98	\$304.15	\$305.02
<b>Mining</b> .....		11.92	11.99	12.50	12.46	12.47	510.18	519.17	525.00	517.09	520.00
Metal mining .....	10	13.44	13.54	13.52	13.47		551.04	549.72	557.02	544.19	-
Iron ores .....	101	12.69	13.36	14.20	14.07		532.98	527.72	580.78	569.84	-
Copper ores .....	102	13.78	13.52	13.17	12.74	-	581.52	555.67	554.46	517.24	-
Coal mining .....	11,12		15.11	15.25			588.65	622.53	619.15	587.83	
Bituminous coal and lignite mining .....	12		15.16	15.31			591.35	626.11	621.59	590.10	-
Oil and gas extraction .....	13	11.05	11.12	11.71	11.60		486.20	487.06	490.65	490.68	
Crude petroleum, natural gas, and natural gas liquids .....	131,2	13.13	13.09	13.72	13.81		555.40	547.16	577.61	585.54	-
Oil and gas field services .....	138	10.16	10.27	10.35	10.10		455.17	459.07	431.60	426.22	
Nonmetallic minerals, except fuels .....	14	10.14	10.22	10.42	10.45		462.38	465.01	469.94	475.48	-
Crushed and broken stone .....	142	9.59	9.82	9.88	9.97		453.61	466.45	458.43	471.58	-
<b>Construction</b> .....		12.21	12.28	12.31	12.31	12.42	471.31	471.55	465.32	470.24	475.69
General building contractors .....	15	11.11	11.22	11.24	11.21		417.74	420.75	421.50	420.38	
Residential building construction .....	152	10.44	10.69	10.66	10.61	-	386.28	395.53	395.49	392.57	
Operative builders .....	153	9.15	9.22	9.57	9.56		365.09	366.03	378.02	377.62	-
Nonresidential building construction .....	154	11.91	11.88	11.96	11.94		452.58	451.44	452.09	453.72	-
Heavy construction contractors .....	16	12.02	12.19	11.97	11.95		516.86	516.86	497.95	509.07	-
Highway and street construction .....	161	11.45	11.44	11.78	11.84		515.25	498.78	500.65	511.49	
Heavy construction, except highway .....	162	12.39	12.64	12.09	12.02		517.90	528.35	496.90	507.24	-
Special trade contractors .....	17	12.78	12.79	12.89	12.90		480.53	478.35	474.35	479.88	
Plumbing, heating, and air conditioning .....	171	13.00	13.02	13.10	13.17		503.10	501.27	501.73	508.36	-
Painting, paper hanging, and decorating .....	172	12.12	12.04	12.15	12.18		435.11	428.62	424.04	436.04	
Electrical work .....	173	14.22	14.20	14.31	14.26		554.58	552.98	553.80	558.99	-
Masonry, stonework, and plastering .....	174	12.94	13.00	13.08	13.03		464.55	466.70	460.42	463.87	-
Carpentering and flooring .....	175	11.83	11.94	12.49	12.55		419.97	428.65	429.66	432.98	-
Roofing and sheet metal work .....	176	11.26	11.35	11.34	11.41		403.11	401.79	381.02	392.50	-
<b>Manufacturing</b> .....		9.55	9.49	9.70	9.73	9.68	382.96	384.35	395.76	391.15	393.98
<b>Durable goods</b> .....		10.10	10.06	10.26	10.27	10.22	410.06	412.46	424.76	417.99	420.04
Lumber and wood products .....	24	8.22	8.27	8.43	8.35	8.40	326.33	334.94	342.26	333.17	339.36
Logging camps and logging contractors .....	241	10.90	11.01	11.35	11.22	-	419.65	438.20	455.14	438.70	-
Sawmills and planing mills .....	242	8.58	8.56	8.69	8.54		343.20	350.96	358.90	347.58	-
Sawmills and planing mills, general .....	2421	9.00	8.98	9.11	8.94		361.80	370.87	378.07	364.75	-
Hardwood dimension and flooring .....	2426	6.27	6.31	6.52	6.48		245.16	249.25	266.67	261.79	-
Millwork, plywood, and structural members .....	243	8.03	8.08	8.25	8.15		322.81	331.28	339.08	326.00	-
Millwork .....	2431	8.22	8.36	8.47	8.28		332.91	352.79	348.96	334.51	-
Wood kitchen cabinets .....	2434	7.16	7.19	7.55	7.51		284.97	286.88	307.29	295.14	-
Hardwood veneer and plywood .....	2435	6.71	6.70	6.78	6.82		263.70	265.99	275.27	271.44	-
Softwood veneer and plywood .....	2436	9.87	9.86	9.73	9.59		397.76	406.23	404.77	384.56	-
Wood containers .....	244	5.78	5.82	5.93	5.93		219.64	223.49	228.31	224.75	-
Wood buildings and mobile homes .....	245	7.24	7.42	7.66	7.65		282.36	289.38	301.04	304.47	-
Mobile homes .....	2451	7.30	7.52	7.71	7.74		283.97	292.53	303.00	309.60	-
Miscellaneous wood products .....	249	7.14	7.13	7.21	7.22		285.60	288.05	290.56	283.75	-
Furniture and fixtures .....	25	7.20	7.20	7.46	7.44	7.47	275.76	283.68	294.67	287.93	297.31
Household furniture .....	251	6.53	6.58	6.85	6.79	-	243.57	253.99	265.10	255.98	-
Wood household furniture .....	2511	6.03	6.07	6.37	6.30		225.52	235.52	249.07	241.29	-
Upholstered household furniture .....	2512	7.03	7.09	7.42	7.30		250.97	268.71	280.48	267.18	-
Metal household furniture .....	2514	6.97	7.00	7.06	7.30		278.10	272.30	273.22	274.48	-
Mattresses and bedsprings .....	2515	7.08	7.09	7.31	7.18		278.95	282.18	285.82	274.99	-
Office furniture .....	252	8.18	8.07	8.34	8.26		325.56	329.26	339.44	327.10	-
Public building and related furniture .....	253	7.70	7.71	7.87	7.89		308.77	308.40	314.80	309.29	-
Partitions and fixtures .....	254	8.73	8.67	8.91	8.97		348.33	352.87	372.44	373.15	-
Miscellaneous furniture and fixtures .....	259	7.58	7.71	7.87	7.85		300.93	320.74	315.59	314.79	-
Stone, clay, and glass products .....	32	9.90	9.87	10.04	10.06	10.07	418.77	418.49	429.71	427.55	432.00
Flat glass .....	321	13.86	13.97	13.90	14.27	-	622.31	630.05	611.60	656.42	-
Glass and glassware, pressed or blown .....	322	10.87	10.86	11.01	11.06	-	445.67	443.09	458.02	452.35	-

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' on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products—Continued											
Glass containers .....	3221	41.2	41.4	42.0	40.9		5.4	5.6	5.8	5.6	
Pressed and blown glass, nec .....	3229	40.7	40.1	41.0	41.0		3.1	3.1	3.3	3.6	
Products of purchased glass .....	323	40.5	41.0	42.2	41.5		3.3	3.4	3.4	4.0	
Cement, hydraulic .....	324	40.9	40.6	40.9	41.2		3.4	3.8	2.8	3.1	
Structural clay products .....	325	40.9	41.3	41.9	41.3		3.9	4.0	4.0	4.3	
Pottery and related products .....	326	38.4	39.5	39.9	38.8		2.4	2.5	2.5	2.1	
Concrete, gypsum, and plaster products .....	327	45.1	44.9	44.8	44.7	-	7.7	7.5	7.2	7.3	
Concrete block and brick .....	3271	45.7	46.6	46.2	46.1		7.7	8.2	8.3	8.4	
Concrete products, nec .....	3272	44.3	44.4	44.2	44.4		6.8	6.8	6.4	6.6	
Ready-mixed concrete .....	3273	44.9	44.2	44.3	44.4		8.1	7.5	7.4	7.6	
Misc. nonmetallic mineral products .....	329	40.6	40.7	41.5	41.2		3.7	3.8	3.8	3.9	
Abrasive products .....	3291	39.3	38.9	41.4	42.1	-	2.0	2.1	2.6	2.8	
Asbestos products .....	3292	42.0	41.7	43.4	42.7		4.1	3.7	4.3	3.6	
Primary metal industries											
Blast furnaces and basic steel products .....	331	41.4	41.2	41.6	41.5	41.7	3.6	3.8	4.0	4.0	
Blast furnaces and steel mills .....	3312	41.4	41.0	41.5	41.7	-	3.4	3.5	3.6	4.0	
Steel pipe and tubes .....	3317	42.0	42.6	41.9	40.3		3.9	4.3	3.5	3.0	
Iron and steel foundries .....	332	40.3	40.5	41.4	40.1		3.3	3.5	4.1	3.6	
Gray iron foundries .....	3321	40.5	41.1	41.5	39.4	-	3.9	4.1	4.6	4.0	
Malleable iron foundries .....	3322	38.0	38.8	38.8	40.2		1.3	1.8	2.6	2.6	
Steel foundries, nec .....	3325	39.5	38.7	41.8	40.3		2.0	2.1	3.1	3.0	
Primary nonferrous metals .....	333	41.5	41.4	41.5	41.4		3.6	3.5	3.4	3.8	
Primary aluminum .....	3334	41.8	41.8	41.1	41.9		3.7	3.9	3.2	3.8	
Nonferrous rolling and drawing .....	335	42.0	42.2	42.4	41.5		4.8	5.0	5.2	5.1	
Copper rolling and drawing .....	3351	42.0	42.2	42.5	41.0		3.9	4.1	4.9	5.0	
Aluminum sheet, plate, and foil .....	3353	41.5	42.1	42.4	42.2		5.3	5.6	5.8	5.6	
Nonferrous wire drawing and insulating .....	3357	41.7	41.8	42.1	41.2		4.8	5.1	5.1	5.0	
Nonferrous foundries .....	336	40.6	41.8	41.7	40.3		3.3	3.6	3.2	3.1	
Aluminum foundries .....	3361	40.8	42.5	42.2	41.1		3.8	4.1	3.6	3.5	
Fabricated metal products											
Metal cans and shipping containers .....	34	40.8	41.2	41.3	40.4	41.0	3.4	3.5	3.4	3.2	
Metal cans .....	341	44.6	44.7	44.4	44.1	-	6.1	6.8	6.1	6.1	
Metal cans .....	3411	45.0	45.3	44.6	44.5		6.3	7.2	6.1	6.2	
Cutlery, hand tools, and hardware .....	342	40.0	40.3	40.8	39.6		2.7	2.9	2.4	2.4	
Hand and edge tools, and hand saws and blades .....	3423,5	39.2	40.1	40.3	39.4		1.8	2.2	1.8	1.9	
Hardware, nec .....	3429	40.2	40.2	41.1	39.7		3.3	3.2	2.8	2.7	
Plumbing and heating, except electric .....	343	39.2	40.3	40.2	38.8		1.8	2.7	2.3	2.0	
Plumbing fittings and brass goods .....	3432	39.7	40.2	41.1	40.0		1.8	2.4	2.1	2.0	
Heating equipment, except electric .....	3433	38.1	40.0	38.6	37.6		1.5	2.8	1.5	1.6	
Fabricated structural metal products .....	344	40.9	41.5	40.8	40.5		3.5	3.5	3.1	3.2	
Fabricated structural metal .....	3441	42.8	42.6	41.9	41.9		4.4	4.3	3.8	3.8	
Metal doors, sash, and trim .....	3442	41.0	42.1	40.7	40.2		3.3	3.6	3.4	3.4	
Fabricated plate work (boiler shops) .....	3443	40.6	41.5	41.4	40.1		3.1	3.3	2.7	2.2	
Sheet metal work .....	3444	39.7	40.2	39.7	39.6		3.0	2.9	2.7	3.0	
Architectural metal work .....	3446	38.8	39.9	39.8	39.5		3.1	3.5	3.4	3.2	
Screw machine products, bolts, etc .....	345	41.4	41.7	42.5	41.5		3.9	4.1	4.4	4.2	
Screw machine products .....	3451	41.2	41.1	40.8	40.9		3.3	3.2	3.2	3.2	
Bolts, nuts, rivets, and washers .....	3452	41.6	42.3	44.1	42.2		4.5	4.9	5.5	5.2	
Metal forgings and stampings .....	346	41.7	41.7	42.8	41.0		4.0	3.8	4.6	3.5	
Iron and steel forgings .....	3462	41.3	41.7	41.9	41.6		3.2	3.9	3.7	3.6	
Automotive stampings .....	3465	43.2	42.5	44.9	42.1		5.3	4.6	6.1	4.3	
Metal stampings, nec .....	3469	40.2	40.8	40.5	39.5		2.6	2.9	3.1	2.5	
Metal services, nec .....	347	40.3	40.4	40.8	40.2		3.3	3.3	3.4	3.2	
Plating and polishing .....	3471	39.8	39.6	40.5	39.8		3.0	2.7	3.2	3.0	
Metal coating and allied services .....	3479	41.3	42.0	41.3	41.0		3.8	4.5	3.8	3.6	
Ordnance and accessories, nec .....	348	40.9	40.8	40.7	39.4	-	2.6	2.9	2.3	2.2	
Ammunition, except for small arms, nec .....	3483	40.2	40.3	39.6	39.8		2.2	2.3	2.0	2.0	
Misc. fabricated metal products .....	349	39.4	40.1	40.3	39.5		2.3	2.7	2.4	2.3	
Valves and pipe fittings .....	3494	38.9	39.9	39.6	38.7		2.3	2.8	2.0	2.1	
Misc. fabricated wire products .....	3496	39.7	40.3	40.7	39.2		2.2	2.6	2.5	2.0	
Machinery, except electrical											
Engines and turbines .....	35	40.8	41.2	41.7	40.9	40.6	3.0	3.2	3.3	3.1	
Engines and turbines .....	351	41.5	41.1	42.7	42.4	-	2.8	3.6	3.8	3.2	
Turbines and turbine generator sets .....	3511	39.4	39.4	40.6	39.0		3.5	3.9	4.2	3.8	
Internal combustion engines, nec .....	3519	42.2	41.7	43.5	43.8		2.6	3.5	3.7	2.9	
Farm and garden machinery .....	352	38.9	40.2	40.8	40.0		2.2	2.4	2.1	2.2	
Farm machinery and equipment .....	3523	38.8	40.6	41.1	40.7		2.3	2.7	2.3	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 weekly hours					Average overtime hours				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Durable goods—Continued</b>											
Machinery, except electrical—Continued											
Construction and related machinery .....	353	40.9	41.6	41.4	40.0		2.4	2.8	2.8	2.4	-
Construction machinery .....	3531	40.4	42.1	42.1	41.1		1.8	2.4	2.6	2.1	
Mining machinery .....	3532	40.6	40.1	40.6	40.2	-	2.4	2.2	2.6	2.9	
Oil field machinery .....	3533	41.8	41.5	39.5	37.6		3.0	3.2	2.5	2.2	
Conveyors and conveying equipment .....	3535	41.3	41.7	42.6	42.5		3.2	3.3	3.8	4.3	
Industrial trucks and tractors .....	3537	39.9	40.3	40.1	37.3		2.3	3.0	2.8	2.0	-
Metalworking machinery .....	354	41.9	42.0	42.2	41.7		4.2	4.2	4.5	4.3	
Machine tools, metal cutting types .....	3541	42.3	42.5	42.6	41.3		3.8	3.7	4.1	3.6	-
Machine tools, metal forming types .....	3542	41.3	41.0	41.9	40.9		4.6	3.6	4.6	4.1	-
Special dies, tools, jigs, and fixtures .....	3544	42.7	42.9	43.1	42.8		5.1	5.2	5.3	5.4	-
Machine tool accessories .....	3545	40.9	41.0	40.5	39.7		3.2	3.2	3.6	3.3	-
Power driven hand tools .....	3546	39.1	39.6	40.5	40.5		2.2	2.4	2.3	1.6	
Special industry machinery .....	355	40.6	41.1	41.8	40.5		3.2	3.4	3.2	2.9	
Food products machinery .....	3551	40.8	41.5	41.4	40.7		2.5	2.9	2.4	2.2	-
Textile machinery .....	3552	40.5	40.1	42.1	40.8		2.4	2.3	3.4	3.2	-
Printing trades machinery .....	3555	40.5	39.9	41.3	39.8		3.0	3.4	3.6	3.3	-
General industrial machinery .....	356	40.4	40.7	41.7	40.9		2.7	2.9	3.1	3.1	
Pumps and pumping equipment .....	3561	39.3	39.8	41.2	40.3		2.4	2.4	1.9	2.1	
Ball and roller bearings .....	3562	41.4	42.4	43.2	42.2		3.7	4.1	4.9	4.6	
Air and gas compressors .....	3563	41.5	40.1	41.3	39.0		2.9	2.9	2.4	2.3	-
Blowers and fans .....	3564	40.2	40.7	41.5	41.1		1.9	2.3	2.6	2.8	
Speed changers, drives, and gears .....	3566	39.5	40.0	42.5	41.2		2.7	2.7	4.1	4.0	-
Power transmission equipment, nec .....	3568	40.0	39.5	40.7	41.8		2.5	2.3	3.2	3.6	-
Office and computing machines .....	357	40.7	41.4	42.3	41.6		1.7	2.2	2.9	2.5	-
Electronic computing equipment .....	3573	40.8	41.3	42.3	41.6		1.7	2.1	2.8	2.4	-
Refrigeration and service machinery .....	358	40.4	40.2	41.5	40.2		3.3	2.7	3.2	2.9	-
Refrigeration and heating equipment .....	3585	41.2	40.5	41.9	40.5		3.9	2.9	3.5	3.4	
Misc. machinery, except electrical .....	359	40.7	41.1	40.8	40.3		3.4	3.8	3.4	3.1	-
Carburetors, pistons, rings, and valves .....	3592	39.7	41.0	41.0	39.2		3.2	4.0	3.6	3.1	-
Machinery, except electrical, nec .....	3599	40.8	41.1	40.8	40.4		3.4	3.8	3.4	3.1	-
Electrical and electronic equipment .....	36	39.8	40.4	41.0	40.6	41.1	2.2	2.5	2.8	2.6	-
Electric distributing equipment .....	361	40.4	40.7	41.0	39.5	-	2.7	3.0	2.8	2.5	-
Transformers .....	3612	41.1	41.5	42.2	40.1		2.8	3.2	2.9	2.6	-
Switchgear and switchboard apparatus .....	3613	39.8	40.0	40.0	39.0		2.6	2.8	2.7	2.4	
Electrical industrial apparatus .....	362	40.2	40.0	41.0	40.4		2.6	2.3	2.8	2.9	
Motors and generators .....	3621	40.9	40.1	41.3	40.9		3.1	2.4	3.2	3.6	
Industrial controls .....	3622	38.4	39.5	40.5	39.2		1.7	2.0	2.2	1.7	-
Household appliances .....	363	39.4	40.2	40.3	40.1		2.2	2.8	2.7	2.6	
Household refrigerators and freezers .....	3632	41.4	41.0	40.7	41.2		3.5	3.3	4.0	3.8	-
Household laundry equipment .....	3633	39.5	40.0	40.0	40.5		1.1	1.6	1.7	2.1	-
Electric housewares and fans .....	3634	37.9	39.8	40.1	39.6		1.5	2.3	2.2	2.5	
Electric lighting and wiring equipment .....	364	39.0	39.8	40.6	39.6		2.0	2.3	2.7	2.3	
Electric lamps .....	3641	38.8	39.4	41.2	40.0		1.7	2.0	2.7	2.6	
Current-carrying wiring devices .....	3643	39.0	39.8	40.8	39.6		2.0	2.2	2.6	1.9	
Noncurrent-carrying wiring devices .....	3644	40.0	41.8	40.1	39.0		1.6	2.7	2.2	1.3	
Residential lighting fixtures .....	3645	37.3	38.8	39.5	37.9		.7	1.2	1.3	.8	
Radio and TV receiving equipment .....	365	38.4	40.4	40.8	41.7		2.8	3.4	2.7	2.8	-
Radio and TV receiving sets .....	3651	38.2	39.5	40.9	41.8		2.9	3.0	2.5	2.7	
Communication equipment .....	366	40.3	40.8	41.4	41.3		2.1	2.4	2.6	2.5	-
Telephone and telegraph apparatus .....	3661	39.4	39.7	40.4	40.9		1.9	1.8	1.9	1.8	
Radio and TV communication equipment .....	3662	40.7	41.3	41.7	41.4		2.2	2.7	2.8	2.7	
Electronic components and accessories .....	367	39.9	40.3	41.0	40.8		2.1	2.4	2.9	2.8	
Electronic tubes .....	3671-3	40.9	40.8	42.9	42.9		1.7	2.2	2.4	2.5	
Semiconductors and related devices .....	3674	40.2	40.8	41.1	41.2		2.2	2.5	3.2	3.2	-
Electronic components, nec .....	3679	39.9	40.4	41.0	40.5		2.3	2.6	2.9	2.8	-
Misc. electrical equipment and supplies .....	369	39.7	40.6	41.1	40.0		2.3	2.8	3.0	2.3	
Storage batteries .....	3691	40.1	42.3	41.2	39.5		2.4	3.0	2.4	2.5	
Engine electrical equipment .....	3694	40.0	40.8	41.5	40.1		2.8	3.4	3.9	2.4	

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Durable goods—Continued</b>											
Machinery, except electrical—Continued											
Construction and related machinery .....	353	\$10.91	\$10.94	\$11.12	\$11.09	-	\$446.22	\$455.10	\$460.37	\$443.60	-
Construction machinery .....	3531	11.92	11.98	12.28	12.15	-	481.57	504.36	516.99	499.37	-
Mining machinery .....	3532	11.54	11.30	11.60	11.71	-	468.52	453.13	470.96	470.74	-
Oil field machinery .....	3533	11.11	11.16	11.27	11.28	-	464.40	463.14	445.17	424.13	-
Conveyors and conveying equipment .....	3535	9.69	9.83	10.00	10.04	-	400.20	409.91	426.00	426.70	-
Industrial trucks and tractors .....	3537	9.17	9.26	9.68	9.59	-	365.88	373.18	388.17	357.71	-
Metalworking machinery .....	354	10.56	10.52	11.00	11.03	-	442.46	441.84	464.20	459.95	-
Machine tools, metal cutting types .....	3541	10.52	10.48	11.07	11.01	-	445.00	445.40	471.58	454.71	-
Machine tools, metal forming types .....	3542	11.16	10.99	11.50	11.64	-	460.91	450.59	481.85	476.08	-
Special dies, tools, jigs, and fixtures .....	3544	11.24	11.19	11.67	11.70	-	479.95	480.05	502.98	500.76	-
Machine tool accessories .....	3545	9.48	9.53	9.84	9.84	-	387.73	390.73	398.52	390.65	-
Power driven hand tools .....	3546	8.27	8.23	8.43	8.59	-	323.36	325.91	341.42	347.90	-
Special industry machinery .....	355	10.15	10.18	10.42	10.43	-	412.09	418.40	435.56	422.42	-
Food products machinery .....	3551	10.41	10.40	10.65	10.59	-	424.73	431.60	440.91	431.01	-
Textile machinery .....	3552	8.03	7.96	8.45	8.45	-	325.22	319.20	355.75	344.76	-
Printing trades machinery .....	3555	10.43	10.60	10.95	11.15	-	422.42	422.94	452.24	443.77	-
General industrial machinery .....	356	10.05	10.07	10.20	10.23	-	406.02	409.85	425.34	418.41	-
Pumps and pumping equipment .....	3561	10.76	10.74	10.83	10.93	-	422.87	427.45	446.20	440.48	-
Ball and roller bearings .....	3562	10.24	10.32	10.66	10.73	-	423.94	437.57	460.51	452.81	-
Air and gas compressors .....	3563	10.56	10.45	10.04	10.05	-	438.24	419.05	414.65	391.95	-
Blowers and fans .....	3564	8.77	8.91	9.10	9.02	-	352.55	362.64	377.65	370.72	-
Speed changers, drives, and gears .....	3566	10.40	10.46	10.42	10.51	-	410.80	418.40	442.85	433.01	-
Power transmission equipment, nec .....	3568	10.08	10.06	10.12	10.23	-	403.20	397.37	411.88	427.61	-
Office and computing machines .....	357	9.46	9.44	9.84	9.93	-	385.02	390.82	416.23	413.09	-
Electronic computing equipment .....	3573	9.42	9.42	9.82	9.92	-	384.34	389.05	415.39	412.67	-
Refrigeration and service machinery .....	358	10.10	10.02	10.21	10.20	-	408.04	402.80	423.72	410.04	-
Refrigeration and heating equipment .....	3585	10.47	10.32	10.47	10.45	-	431.36	417.96	438.69	423.23	-
Misc. machinery, except electrical .....	359	9.96	9.88	10.20	10.15	-	405.37	406.07	416.16	409.05	-
Carburetors, pistons, rings, and valves .....	3592	12.49	12.26	12.58	12.48	-	495.85	502.66	515.78	489.22	-
Machinery, except electrical, nec .....	3599	9.58	9.52	9.83	9.81	-	390.86	391.27	401.06	396.32	-
Electrical and electronic equipment .....	36	9.47	9.50	9.61	9.68	\$9.66	376.91	383.80	394.01	393.01	\$397.03
Electric distributing equipment .....	361	8.71	8.80	8.90	8.94	-	351.88	358.16	364.90	353.13	-
Transformers .....	3612	8.57	8.70	8.77	8.77	-	352.23	361.05	370.09	351.68	-
Switchgear and switchboard apparatus .....	3613	8.83	8.89	9.03	9.09	-	351.43	355.60	361.20	354.51	-
Electrical industrial apparatus .....	362	9.47	9.48	9.70	9.74	-	380.69	379.20	397.70	393.50	-
Motors and generators .....	3621	9.42	9.39	9.65	9.69	-	385.28	376.54	398.55	396.32	-
Industrial controls .....	3622	9.24	9.21	9.53	9.57	-	354.82	363.80	385.97	375.14	-
Household appliances .....	363	9.26	9.27	9.54	9.64	-	364.84	372.65	384.46	386.56	-
Household refrigerators and freezers .....	3632	10.37	10.38	10.88	11.02	-	429.32	425.58	442.82	454.02	-
Household laundry equipment .....	3633	10.80	10.81	11.14	11.46	-	426.60	432.40	445.60	464.13	-
Electric housewares and fans .....	3634	7.00	7.10	7.24	7.14	-	265.30	282.58	290.32	282.74	-
Electric lighting and wiring equipment .....	364	8.77	8.65	8.86	8.83	-	342.03	344.27	359.72	349.67	-
Electric lamps .....	3641	9.98	9.99	9.78	9.78	-	387.22	393.61	402.94	391.20	-
Current-carrying wiring devices .....	3643	8.07	8.06	8.33	8.26	-	314.73	320.79	339.86	327.10	-
Noncurrent-carrying wiring devices .....	3644	9.05	8.99	9.32	9.31	-	362.00	375.78	373.73	363.09	-
Residential lighting fixtures .....	3645	6.74	6.66	6.62	6.64	-	251.40	258.41	261.49	251.66	-
Radio and TV receiving equipment .....	365	9.53	9.36	9.40	9.55	-	365.95	378.14	383.52	398.24	-
Radio and TV receiving sets .....	3651	9.90	9.71	9.74	9.81	-	378.18	383.55	398.37	410.06	-
Communication equipment .....	366	11.18	11.32	11.22	11.17	-	450.55	461.86	464.51	461.32	-
Telephone and telegraph apparatus .....	3661	10.64	10.92	10.73	10.61	-	419.22	433.52	433.49	433.95	-
Radio and TV communication equipment .....	3662	11.42	11.49	11.34	11.38	-	464.79	474.54	472.88	471.13	-
Electronic components and accessories .....	367	8.34	8.37	8.66	8.74	-	332.77	337.31	355.06	356.59	-
Electronic tubes .....	3671-3	10.58	10.66	10.68	10.81	-	432.72	434.93	458.17	463.75	-
Semiconductors and related devices .....	3674	9.61	9.64	10.22	10.34	-	386.32	393.31	420.04	426.01	-
Electronic components, nec .....	3679	7.70	7.74	7.91	7.91	-	307.23	312.70	324.31	320.36	-
Misc. electrical equipment and supplies .....	369	10.23	10.31	10.49	10.53	-	406.13	418.59	431.14	421.20	-
Storage batteries .....	3691	10.49	10.56	10.94	11.22	-	420.65	446.69	450.73	443.19	-
Engine electrical equipment .....	3694	10.85	11.00	11.23	11.03	-	434.00	448.80	466.05	442.30	-

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				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Communication .....	48	40.5	40.5	40.2	40.4	-	-	-	-	-	-
Telephone communication .....	481	41.5	41.5	41.7	41.9	-	-	-	-	-	-
Radio and television broadcasting .....	483	37.2	37.1	37.1	37.2	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	41.5	41.8	41.7	41.9	-	-	-	-	-	-
Electric services .....	491	41.7	42.0	41.8	42.1	-	-	-	-	-	-
Gas production and distribution .....	492	40.3	40.5	40.8	41.2	-	-	-	-	-	-
Combination utility services .....	493	42.0	42.3	42.1	42.0	-	-	-	-	-	-
Sanitary services .....	495	42.4	42.6	42.7	42.6	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.6</b>	<b>38.5</b>	<b>38.5</b>	<b>38.5</b>	<b>38.5</b>	-	-	-	-	-
Durable goods .....	50	38.9	39.0	38.9	38.8	-	-	-	-	-	-
Motor vehicles and automotive equipment .....	501	38.3	38.6	38.6	38.5	-	-	-	-	-	-
Furniture and home furnishings .....	502	37.9	37.9	36.8	36.5	-	-	-	-	-	-
Lumber and construction materials .....	503	39.8	39.8	39.8	39.9	-	-	-	-	-	-
Sporting goods, toys, and hobby goods .....	504	37.0	37.6	36.2	36.4	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	39.9	40.0	40.4	39.9	-	-	-	-	-	-
Electrical goods .....	506	38.7	38.7	38.5	38.5	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.9	38.8	38.7	38.7	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.4	39.4	39.5	39.4	-	-	-	-	-	-
Miscellaneous durable goods .....	509	37.2	37.8	37.3	37.2	-	-	-	-	-	-
Nondurable goods .....	51	38.1	37.8	37.9	38.0	-	-	-	-	-	-
Paper and paper products .....	511	38.8	38.5	37.6	37.2	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	38.1	37.3	36.8	37.5	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	36.2	36.5	36.3	36.3	-	-	-	-	-	-
Groceries and related products .....	514	38.6	38.2	38.5	38.6	-	-	-	-	-	-
Chemicals and allied products .....	516	38.9	39.3	39.4	39.9	-	-	-	-	-	-
Petroleum and petroleum products .....	517	39.7	39.7	39.4	39.7	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	36.7	36.3	36.6	36.8	-	-	-	-	-	-
Miscellaneous nondurable goods .....	519	37.6	37.3	37.6	37.4	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>30.1</b>	<b>30.1</b>	<b>29.5</b>	<b>29.9</b>	<b>29.9</b>	-	-	-	-	-
Building materials and garden supplies .....	52	37.1	36.9	36.9	37.0	-	-	-	-	-	-
Lumber and other building materials .....	521	38.8	38.8	39.0	39.0	-	-	-	-	-	-
Hardware stores .....	525	34.1	33.5	33.2	33.5	-	-	-	-	-	-
General merchandise stores .....	53	29.9	29.3	28.8	29.0	-	-	-	-	-	-
Department stores .....	531	29.8	29.1	28.6	28.8	-	-	-	-	-	-
Variety stores .....	533	30.2	30.0	29.6	30.2	-	-	-	-	-	-
Misc. general merchandise stores .....	539	30.9	30.3	29.9	30.3	-	-	-	-	-	-
Food stores .....	54	31.2	31.0	30.6	31.2	-	-	-	-	-	-
Grocery stores .....	541	31.4	31.2	30.8	31.4	-	-	-	-	-	-
Retail bakeries .....	546	29.1	28.9	29.2	29.3	-	-	-	-	-	-
Automotive dealers and service stations .....	55	37.0	37.1	36.9	36.9	-	-	-	-	-	-
New and used car dealers .....	551,2	37.6	37.8	37.6	37.5	-	-	-	-	-	-
Auto and home supply stores .....	553	40.2	40.3	39.8	40.0	-	-	-	-	-	-
Gasoline service stations .....	554	34.7	34.7	34.4	34.6	-	-	-	-	-	-
Apparel and accessory stores .....	56	28.0	28.0	26.9	27.2	-	-	-	-	-	-
Men's and boys' clothing and furnishings .....	561	30.8	30.8	30.5	30.8	-	-	-	-	-	-
Women's ready-to-wear stores .....	562	26.9	26.6	25.4	26.0	-	-	-	-	-	-
Family clothing stores .....	565	28.0	28.5	27.5	27.1	-	-	-	-	-	-
Shoe stores .....	566	27.7	28.4	27.8	28.0	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	34.1	34.1	32.9	33.2	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	34.1	34.3	32.8	33.1	-	-	-	-	-	-
Household appliance stores .....	572	35.2	35.0	34.0	34.2	-	-	-	-	-	-
Radio, television, and music stores .....	573	33.5	33.4	32.8	33.0	-	-	-	-	-	-
Eating and drinking places <sup>4</sup> .....	58	26.3	26.6	26.1	26.5	-	-	-	-	-	-

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 weekly hours					Average overtime hours				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	31.2	31.4	30.5	30.7	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	30.2	30.2	28.7	29.1	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	29.8	30.0	29.0	29.4	-	-	-	-	-	-
Nonstore retailers .....	596	33.4	34.0	33.1	33.0	-	-	-	-	-	-
Fuel and ice dealers .....	598	37.7	37.4	38.2	37.8	-	-	-	-	-	-
Retail stores, nec .....	599	31.9	32.0	31.9	31.7	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		<b>36.3</b>	<b>36.3</b>	<b>36.6</b>	<b>36.4</b>	<b>36.5</b>	-	-	-	-	-
Banking .....	60	36.2	36.2	36.6	36.2	-	-	-	-	-	-
Commercial and stock savings banks .....	602	36.2	36.2	36.5	36.2	-	-	-	-	-	-
Credit agencies other than banks .....	61	37.1	37.2	38.1	37.6	-	-	-	-	-	-
Savings and loan associations .....	612	36.7	36.6	37.0	36.7	-	-	-	-	-	-
Personal credit institutions .....	614	37.1	37.6	37.6	37.7	-	-	-	-	-	-
Insurance carriers .....	63	37.2	37.3	37.6	37.4	-	-	-	-	-	-
Life insurance .....	631	36.8	37.0	37.0	36.9	-	-	-	-	-	-
Medical service and health insurance .....	632	37.8	38.4	37.8	37.8	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	37.0	37.1	37.6	37.4	-	-	-	-	-	-
<b>Services</b> .....		<b>32.8</b>	<b>32.8</b>	<b>32.6</b>	<b>32.8</b>	<b>32.9</b>	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>4</sup> .....	701	30.5	31.1	31.2	31.3	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services .....	721	33.9	34.2	34.2	33.9	-	-	-	-	-	-
Beauty shops <sup>4</sup> .....	723	28.9	29.8	30.0	29.6	-	-	-	-	-	-
Business services .....	73	33.7	33.8	33.7	33.6	-	-	-	-	-	-
Advertising .....	731	36.1	36.3	36.5	36.5	-	-	-	-	-	-
Services to buildings .....	734	28.5	28.5	28.8	28.5	-	-	-	-	-	-
Computer and data processing services .....	737	38.5	38.7	37.8	38.0	-	-	-	-	-	-
Auto repair, services, and garages .....	75	37.6	37.9	37.6	38.1	-	-	-	-	-	-
Automotive repair shops .....	753	38.1	38.7	38.8	39.1	-	-	-	-	-	-
Miscellaneous repair services .....	76	38.4	38.7	38.1	38.2	-	-	-	-	-	-
Motion pictures .....	78	29.6	29.1	27.5	28.8	-	-	-	-	-	-
Motion picture production and services .....	781	38.3	37.3	35.1	35.5	-	-	-	-	-	-
Amusement and recreation services .....	79	30.9	30.9	28.9	30.5	-	-	-	-	-	-
Health services .....	80	32.7	32.6	32.5	32.7	-	-	-	-	-	-
Offices of physicians .....	801	30.6	30.6	30.8	30.9	-	-	-	-	-	-
Offices of dentists .....	802	28.7	28.7	27.9	27.9	-	-	-	-	-	-
Nursing and personal care facilities .....	805	31.7	31.3	31.6	32.0	-	-	-	-	-	-
Hospitals .....	806	34.6	34.6	34.4	34.6	-	-	-	-	-	-
Legal services .....	81	34.5	34.7	34.8	34.9	-	-	-	-	-	-
Miscellaneous services .....	89	38.3	38.5	38.4	38.6	-	-	-	-	-	-
Engineering and architectural services .....	891	39.3	39.6	39.7	39.8	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	893	37.1	37.4	36.8	37.1	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	\$5.88	\$5.85	\$6.12	\$6.11		\$183.46	\$183.69	\$186.66	\$187.58	-
Drug stores and proprietary stores .....	591	5.36	5.36	5.62	5.62		161.87	161.87	161.29	163.54	
Miscellaneous shopping goods stores .....	594	5.51	5.48	5.73	5.69		164.20	164.40	166.17	167.29	
Nonstore retailers .....	596	6.55	6.52	7.01	7.04		218.77	221.68	232.03	232.32	
Fuel and ice dealers .....	598	8.31	8.31	8.53	8.47		313.29	310.79	325.85	320.17	
Retail stores, nec .....	599	6.24	6.18	6.38	6.43		199.06	197.76	203.52	203.83	
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		7.88	7.91	8.37	8.31	\$8.32	286.04	287.13	306.34	302.48	\$303.68
Banking .....	60	6.78	6.83	7.19	7.16		245.44	247.25	263.15	259.19	
Commercial and stock savings banks .....	602	6.62	6.68	6.99	6.98		239.64	241.82	255.14	252.68	
Credit agencies other than banks .....	61	7.20	7.21	7.67	7.59		267.12	268.21	292.23	285.38	
Savings and loan associations .....	612	6.64	6.70	7.17	7.08		243.69	245.22	265.29	259.84	
Personal credit institutions .....	614	7.01	6.94	7.31	7.19		260.07	260.94	274.86	271.06	
Insurance carriers .....	63	8.60	8.65	9.08	9.06		319.92	322.65	341.41	338.84	
Life insurance .....	631	8.12	8.15	8.59	8.68		298.82	301.55	317.83	320.29	
Medical service and health insurance .....	632	8.80	8.75	9.07	9.02		332.64	336.00	342.85	340.96	
Fire, marine, and casualty insurance .....	633	8.88	8.95	9.43	9.30		328.56	332.05	354.57	347.82	
<b>Services</b> .....		7.80	7.82	8.10	8.03	8.04	255.84	256.50	264.06	263.38	264.52
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>4</sup> .....	701	5.77	5.69	5.86	5.80		175.99	176.96	182.83	181.54	
Personal services:											
Laundry, cleaning, and garment services .....	721	5.80	5.79	5.98	6.00		196.62	198.02	204.52	203.40	
Beauty shops <sup>4</sup> .....	723	6.24	6.08	6.32	6.26		180.34	181.18	189.60	185.30	-
Business services .....	73	8.18	8.18	8.44	8.40		275.67	276.48	284.43	282.24	
Advertising .....	731	10.74	10.67	11.56	11.28		387.71	387.32	421.94	411.72	
Services to buildings .....	734	6.40	6.38	6.54	6.61		182.40	181.83	188.35	188.39	
Computer and data processing services .....	737	11.03	11.03	11.70	11.56		424.66	426.86	442.26	439.28	
Auto repair, services, and garages .....	75	7.38	7.40	7.54	7.49		277.49	280.46	283.50	285.37	
Automotive repair shops .....	753	7.99	7.99	8.15	8.08		304.42	309.21	316.22	315.93	
Miscellaneous repair services .....	76	8.60	8.65	8.82	8.81		330.24	334.76	336.04	336.54	
Motion pictures .....	78	10.99	11.58	11.25	11.31		325.30	336.98	309.38	325.73	
Motion picture production and services .....	781	16.01	16.81	15.95	16.40		613.18	627.01	559.85	582.20	
Amusement and recreation services .....	79	6.44	6.38	6.38	6.11		199.00	197.14	184.38	186.36	
Health services .....	80	8.06	8.07	8.29	8.34		263.56	263.08	269.43	272.72	
Offices of physicians .....	801	7.80	7.84	8.17	8.12		238.68	239.90	251.64	250.91	
Offices of dentists .....	802	7.88	7.97	8.29	8.26		226.16	228.74	231.29	230.45	
Nursing and personal care facilities .....	805	5.63	5.62	5.77	5.81		178.47	175.91	182.33	185.92	
Hospitals .....	806	9.04	9.04	9.29	9.39		312.78	312.78	319.58	324.89	
Legal services .....	81	10.48	10.49	11.32	11.06		361.56	364.00	393.94	385.99	
Miscellaneous services .....	89	11.25	11.33	11.76	11.64		430.88	436.21	451.58	449.30	
Engineering and architectural services .....	891	12.16	12.26	12.56	12.43		477.89	485.50	498.63	494.71	
Accounting, auditing, and bookkeeping .....	893	9.54	9.55	10.09	9.95		353.93	357.17	371.31	369.15	

<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> See table C-2a for average hourly earnings in the aircraft industry (SIC 3721).

<sup>3</sup> Data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>4</sup> Money payments only; tips, not included.

<sup>5</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 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

## A Note on Average Hourly Earnings in Aircraft Manufacturing

For many years, the Bureau of Labor Statistics' average hourly earnings series for production workers in aircraft manufacturing (SIC 3721) has been used to escalate labor costs in contracts between aircraft companies and their customers. Although the Bureau's series by definition takes account of traditional wage rate changes, it does not capture "lump-sum payments to workers in lieu of general wage increases" which were negotiated in aircraft manufacturers' collective bargaining agreements beginning in late 1983.

As a service to aircraft companies and other interested parties, BLS has calculated an average hourly earnings series for SIC 3721 which includes lump-sum payments. This series is presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. The series begins in October 1983, the effective date of the first aircraft bargaining agreement using lump-sum payments.

The general practice in the industry has been to make this payment at the beginning of the contract year "in lieu of a wage increase" and to base the amount of the payment on the workers' earnings during the preceding year. As a result, the Bureau considered three approaches to the method for calculating an average hourly earnings series which includes lump-sum payments:

1. The entire payment could be included in the month in which the payment was made.
2. The payments could be prorated backward to payroll periods used to determine the amount of the lump-sum payment.
3. The payments could be prorated forward as an advance

payment for payroll periods in the year following the payment.

The first approach, attractive because it includes the payment in the month in which it is received by the worker, creates 1-month "spikes" and a series which would not be useful for escalation purposes. The second approach, which prorates the payments backward, places emphasis on the determination of the amount of the payment from workers' earnings in the previous year. This approach generally relates the payments to the workers who receive them. However, the Bureau has received statements from both union and company officials who negotiated the agreements covering a majority of the workers in the industry. These statements make clear that the intent of the bargainers was to make an advance payment for the upcoming contract year in lieu of an increase in wage rates for that following year.

Because BLS has a longstanding policy of leaving the interpretation of collective bargaining agreements to the parties involved, the Bureau calculated the inclusion of lump-sum payments using the third method, prorating the payments forward through the years covered by the contract. Because the payments prorated forward under this approach may include payments to workers no longer on the payroll, data provided by the aircraft companies have been used to adjust for this difference.

Lump-sum payments are but one of several recent changes in the way that employees are compensated. The changes are widespread and they differ by industry. Because of these developments, the Bureau plans to conduct a broad-based review of all concepts and definitions used in its earnings and wage programs to determine the proper treatment of lump-sum payments and other new compensation practices.

**C-2a. Average hourly earnings in aircraft manufacturing (SIC 3721)**

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Average hourly earnings, excluding lump-sum payments												
1983 .....											\$12.76	\$12.83	\$12.93
1984 .....	\$12.91	\$12.82	\$12.88	\$12.85	\$12.81	\$12.78	\$12.87	\$12.89	\$12.87	\$12.97	13.04	13.05	13.13
1985 .....	13.18	13.01	13.12	13.11	13.04	13.06	13.11	13.05	13.16	13.26	13.35	13.37	13.48
1986 .....		13.38	13.44	13.46	13.46	13.38	13.42	<sup>P</sup> 13.39					
Average hourly earnings, including lump-sum payments													
1983 .....											\$12.83	\$12.92	\$13.03
1984 .....	\$13.11	\$12.95	\$13.02	\$13.02	\$12.98	\$12.97	\$13.06	\$13.11	\$13.09	\$13.19	13.26	13.28	13.37
1985 .....	13.40	13.26	13.36	13.33	13.26	13.27	13.33	13.29	13.39	13.48	13.54	13.57	13.68
1986 .....		13.58	13.64	13.66	13.66	13.58	13.63	<sup>P</sup> 13.60					

<sup>P</sup> = preliminary.

**ESTABLISHMENT DATA**  
**EARNINGS**  
**NOT SEASONALLY ADJUSTED**

**C-3. Average hourly earnings, excluding overtime<sup>1</sup> of production workers on manufacturing payrolls**

Industry	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Manufacturing</b> .....	\$9.19	\$9.12	\$9.32	\$9.35	\$9.26
<b>Durable goods</b> .....	9.72	9.65	9.85	9.87	9.78
Lumber and wood products .....	7.88	7.92	8.06	8.00	(?)
Furniture and fixtures .....	7.02	6.99	7.23	7.23	(?)
Stone, clay, and glass products .....	9.32	9.30	9.47	9.47	(?)
Primary metal industries .....	11.28	11.12	11.39	11.51	(?)
Fabricated metal products .....	9.31	9.25	9.49	9.48	(?)
Machinery, except electrical .....	9.94	9.88	10.14	10.17	(?)
Electrical and electronic equipment .....	9.21	9.21	9.30	9.38	(?)
Transportation equipment .....	12.03	12.02	12.17	12.16	(?)
Instruments and related products .....	8.94	8.93	9.14	9.21	(?)
Miscellaneous manufacturing .....	7.16	7.08	7.34	7.41	(?)
<b>Nondurable goods</b> .....	8.42	8.36	8.56	8.63	\$8.56
Food and kindred products .....	8.15	8.06	8.34	8.32	(?)
Tobacco manufactures .....	12.66	12.14	13.37	13.40	(?)
Textile mill products .....	6.45	6.45	6.56	6.58	(?)
Apparel and other textile products .....	5.61	5.58	5.67	5.65	(?)
Paper and allied products .....	10.34	10.30	10.58	10.67	(?)
Printing and publishing .....	9.39	9.39	9.58	9.64	(?)
Chemicals and allied products .....	11.14	11.16	11.45	11.52	(?)
Petroleum and coal products .....	13.39	13.37	13.47	13.46	(?)
Rubber and misc. plastics products .....	8.20	8.17	8.38	8.43	(?)
Leather and leather products .....	5.72	5.68	5.77	5.78	(?)

<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 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**C-4. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.**

Industry	Average hourly earnings					Average weekly earnings				
	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>	July 1985	Aug. 1985	June 1986	July 1986 <sup>p</sup>	Aug. 1986 <sup>p</sup>
<b>Total private:</b>										
Current dollars .....	\$8.52	\$8.52	\$8.71	\$8.69	\$8.69	\$299.05	\$299.90	\$303.98	\$304.15	\$305.02
Constant (1977) dollars .....	4.85	4.84	4.89	4.89	(?)	170.11	170.30	170.78	170.97	(?)
<b>Mining:</b>										
Current dollars .....	11.92	11.99	12.50	12.46	\$12.47	510.18	519.17	525.00	517.09	\$520.00
Constant (1977) dollars .....	6.78	6.81	7.02	7.00	(?)	290.20	294.82	294.94	290.66	(?)
<b>Construction:</b>										
Current dollars .....	12.21	12.28	12.31	12.31	\$12.42	471.31	471.55	465.32	470.24	\$475.69
Constant (1977) dollars .....	6.95	6.97	6.92	6.92	(?)	268.09	267.77	261.42	264.33	(?)
<b>Manufacturing:</b>										
Current dollars .....	9.55	9.49	9.70	9.73	\$9.68	382.96	384.35	395.76	391.15	\$393.98
Constant (1977) dollars .....	5.43	5.39	5.45	5.47	(?)	217.84	218.26	222.34	219.87	(?)
<b>Transportation and public utilities:</b>										
Current dollars .....	11.37	11.42	11.57	11.60	\$11.56	449.12	454.52	455.86	457.04	\$457.78
Constant (1977) dollars .....	6.47	6.48	6.50	6.52	(?)	255.47	258.10	256.10	256.91	(?)
<b>Wholesale trade:</b>										
Current dollars .....	9.14	9.12	9.32	9.30	\$9.31	352.80	351.12	358.82	358.05	\$358.44
Constant (1977) dollars .....	5.20	5.18	5.24	5.23	(?)	200.68	199.39	201.58	201.26	(?)
<b>Retail trade:</b>										
Current dollars .....	5.90	5.88	5.99	5.97	\$5.95	177.59	176.99	176.71	178.50	\$177.91
Constant (1977) dollars .....	3.36	3.34	3.37	3.36	(?)	101.02	100.51	99.28	100.34	(?)
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	7.88	7.91	8.37	8.31	\$8.32	286.04	287.13	306.34	302.48	\$303.68
Constant (1977) dollars .....	4.48	4.49	4.70	4.67	(?)	162.71	163.05	172.10	170.03	(?)
<b>Services:</b>										
Current dollars .....	7.80	7.82	8.10	8.03	\$8.04	255.84	256.50	264.06	263.38	\$264.52
Constant (1977) dollars .....	4.44	4.44	4.55	4.52	(?)	145.53	145.66	148.35	148.05	(?)

<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 1985 benchmark levels. When more recent benchmark data are introduced all unadjusted data from April 1985 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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	34.9	34.9	34.9	34.8	34.9	35.0	34.9	34.9	34.8	34.8	34.7	34.7	34.8
<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	40.7	40.7	40.7	40.9	40.8	40.7	40.7	40.7	40.7	40.6	40.6	40.6
<i>Overtime hours</i> .....	3.3	3.3	3.4	3.4	3.6	3.5	3.4	3.4	3.4	3.4	3.3	3.5	3.5
<b>Durable goods</b> .....	41.3	41.3	41.3	41.3	41.6	41.5	41.4	41.4	41.3	41.2	41.2	41.2	41.4
<i>Overtime hours</i> .....	3.4	3.5	3.5	3.6	3.7	3.6	3.5	3.6	3.6	3.4	3.5	3.5	3.6
Lumber and wood products .....	40.1	40.1	40.2	39.9	40.2	40.4	40.0	40.2	40.3	40.3	39.9	40.0	40.0
Furniture and fixtures .....	39.3	39.4	39.5	39.4	39.9	40.0	39.7	39.4	39.1	39.4	39.4	39.4	39.7
Stone, clay, and glass products .....	42.0	42.0	42.1	41.8	41.8	42.7	41.9	41.9	42.4	42.3	42.2	42.2	42.5
Primary metal industries .....	41.7	41.5	41.8	41.9	42.1	41.9	42.1	41.9	41.3	41.7	41.6	41.3	42.1
Blast furnaces and basic steel products ..	41.5	41.1	41.6	41.9	41.9	41.7	41.8	41.7	40.5	41.5	41.1	41.3	42.1
Fabricated metal products .....	41.4	41.5	41.5	41.5	41.6	41.5	41.5	41.4	41.2	41.1	41.1	41.0	41.2
Machinery, except electrical .....	41.6	41.6	41.5	41.6	41.7	41.6	41.6	41.6	41.8	41.8	41.7	41.5	41.0
Electrical and electronic equipment .....	40.7	40.5	40.6	40.9	41.1	41.0	40.9	41.0	41.1	41.0	41.0	41.3	41.4
Transportation equipment .....	42.9	42.9	42.8	42.7	43.0	42.8	42.7	42.7	42.1	41.9	42.2	42.1	43.1
Motor vehicles and equipment .....	43.7	43.6	43.7	43.6	44.0	43.6	43.4	43.3	41.9	41.8	42.4	42.3	43.6
Instruments and related products .....	40.9	40.9	40.9	41.0	41.6	41.1	41.2	41.3	41.3	40.9	41.0	40.7	40.8
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> .....	39.6	39.8	39.8	39.8	40.0	39.9	39.7	39.8	39.9	39.9	39.8	39.8	40.0
<i>Overtime hours</i> .....	3.1	3.1	3.2	3.2	3.4	3.3	3.2	3.2	3.3	3.4	3.2	3.4	3.4
Food and kindred products .....	40.0	40.1	40.2	40.0	40.1	40.1	39.8	39.9	40.2	40.2	40.0	40.1	40.5
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 .....	40.0	40.5	40.7	40.8	41.0	40.8	40.6	40.7	41.3	41.1	40.8	40.9	41.4
Apparel and other textile products .....	36.4	36.6	36.6	36.8	36.8	36.7	36.3	36.5	36.9	36.5	36.5	36.7	36.4
Paper and allied products .....	43.1	43.1	43.2	43.3	43.5	43.6	43.5	43.5	43.0	43.2	43.1	43.3	43.7
Printing and publishing .....	37.9	37.9	37.9	37.9	38.1	38.0	38.0	38.0	38.0	38.0	37.8	37.8	37.8
Chemicals and allied products .....	41.9	41.7	41.8	41.9	42.0	41.9	41.8	41.9	41.9	42.0	41.9	41.9	42.0
Petroleum and coal products .....	43.3	43.3	44.2	43.2	43.6	43.5	43.7	43.8	43.6	43.4	44.0	43.3	43.5
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 .....	( <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>Transportation and public utilities</b> .....	39.5	39.5	39.5	39.4	39.5	39.4	39.5	39.6	39.2	39.2	39.1	39.2	39.3
<b>Wholesale trade</b> .....	38.4	38.4	38.4	38.4	38.4	38.5	38.4	38.5	38.5	38.4	38.3	38.3	38.4
<b>Retail trade</b> .....	29.4	29.4	29.3	29.3	29.2	29.3	29.3	29.3	29.2	29.2	29.1	29.2	29.2
<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> .....	32.5	32.4	32.5	32.4	32.5	32.6	32.6	32.5	32.5	32.5	32.4	32.4	32.5

<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 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	115.7	115.9	116.3	116.4	116.8	117.8	117.5	117.4	117.8	117.7	117.3	118.0	118.6
<b>Goods-producing</b> .....	98.7	98.6	99.0	98.9	99.3	100.6	98.8	98.5	99.4	98.8	98.0	98.1	99.0
<b>Mining</b> .....	105.8	104.9	104.2	103.4	102.8	104.5	99.3	95.0	90.2	85.3	83.4	83.2	81.6
<b>Construction</b> .....	125.4	126.8	127.7	126.2	126.4	134.1	126.3	126.6	133.7	132.6	130.3	131.8	134.3
<b>Manufacturing</b> .....	93.2	92.9	93.2	93.3	94.0	93.9	93.5	93.3	93.2	92.9	92.4	92.3	93.0
<b>Durable goods</b> .....	92.4	91.8	92.2	92.2	92.7	92.6	92.1	91.7	91.5	91.0	90.3	90.0	90.6
Lumber and wood products .....	96.2	96.4	97.1	96.7	97.8	99.1	98.1	98.6	99.3	99.3	98.5	98.4	99.4
Furniture and fixtures .....	104.2	103.6	104.2	104.2	105.5	105.7	104.9	104.4	103.6	104.9	104.9	105.2	106.3
Stone, clay, and glass products .....	86.5	86.3	86.7	86.3	86.5	89.1	87.4	87.4	89.2	88.8	88.2	87.7	88.5
Primary metal industries .....	66.1	65.6	66.2	66.9	67.6	66.7	66.8	65.6	64.7	64.8	62.7	61.6	60.3
Blast furnaces and basic steel products .....	52.7	52.2	53.3	55.6	56.3	53.4	55.1	53.6	51.8	52.6	51.6	51.6	53.2
Fabricated metal products .....	91.3	91.2	91.3	91.1	91.2	91.0	90.6	90.2	90.1	89.4	88.9	88.0	88.7
Machinery, except electrical .....	91.5	90.8	90.6	90.4	90.3	90.2	89.6	89.3	89.4	88.9	88.3	87.2	86.2
Electrical and electronic equipment .....	105.2	103.4	103.7	104.2	104.4	103.8	103.2	102.9	103.0	102.8	100.6	103.3	103.3
Transportation equipment .....	98.0	97.3	98.2	98.1	99.0	98.2	97.9	97.1	95.6	94.2	94.9	94.3	97.1
Motor vehicles and equipment .....	91.5	89.9	91.9	91.0	92.8	92.1	89.4	88.4	85.3	83.4	84.5	83.1	85.5
Instruments and related products .....	105.1	104.5	104.2	104.5	106.3	105.3	105.8	106.1	106.1	104.5	104.5	102.9	105.1
Miscellaneous manufacturing .....	79.9	80.1	80.3	80.4	81.3	82.4	82.4	81.8	81.6	81.2	81.7	80.4	81.8
<b>Nondurable goods</b> .....	94.3	94.5	94.8	95.1	95.8	95.9	95.5	95.7	95.8	95.7	95.6	95.7	96.5
Food and kindred products .....	96.7	96.9	97.3	97.0	98.2	98.2	98.2	98.4	99.1	99.5	99.9	99.9	101.2
Tobacco manufactures .....	82.5	84.9	85.0	78.3	84.5	85.2	82.8	85.4	81.6	82.1	79.5	84.1	72.9
Textile mill products .....	75.4	76.2	76.7	77.2	77.7	77.6	77.3	77.8	78.4	78.4	77.9	78.5	79.9
Apparel and other textile products .....	85.3	86.0	86.1	86.7	87.2	87.3	85.5	85.4	86.6	85.2	84.8	85.3	84.5
Paper and allied products .....	100.3	100.1	100.5	101.4	101.8	102.3	102.0	102.0	101.0	101.7	101.7	101.5	102.5
Printing and publishing .....	124.2	124.1	124.2	125.0	126.3	126.4	127.0	127.4	127.8	127.8	127.6	127.9	127.6
Chemicals and allied products .....	94.0	93.7	93.8	93.7	93.9	93.4	93.3	93.4	93.2	92.9	93.2	93.5	94.9
Petroleum and coal products .....	83.4	80.3	81.9	80.9	80.8	80.6	81.0	80.4	80.1	79.7	80.8	79.5	80.6
Rubber and misc. plastics products .....	108.7	109.0	109.7	110.7	111.6	112.4	112.1	112.7	111.8	111.8	111.7	110.5	113.3
Leather and leather products .....	63.4	63.9	64.1	63.3	63.3	62.6	61.3	60.9	58.5	57.5	56.8	56.4	59.2
<b>Service-producing</b> .....	125.0	125.4	125.8	126.0	126.5	127.3	127.8	127.8	127.9	128.2	128.0	128.9	129.4
<b>Transportation and public utilities</b> .....	106.8	107.5	107.7	107.7	108.1	107.9	108.0	108.2	106.8	106.8	104.3	107.2	106.5
<b>Wholesale trade</b> .....	118.4	118.5	118.9	118.9	119.1	119.9	119.8	120.1	120.6	120.2	119.0	119.8	120.3
<b>Retail trade</b> .....	116.3	116.4	116.5	116.8	116.5	117.8	118.3	118.4	118.1	118.5	118.4	119.1	119.2
<b>Finance, insurance, and real estate</b> .....	130.2	131.4	131.2	131.9	133.5	133.3	135.4	135.6	135.4	135.8	137.6	137.3	138.9
<b>Services</b> .....	139.9	140.1	141.2	141.4	142.3	143.2	143.7	143.5	144.2	144.8	145.2	145.9	146.7

<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 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 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	1985					1986							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Hourly Earnings Index<sup>2</sup>(1977=100)</b>													
<b>Total private (in current dollars)</b> .....	165.5	166.4	166.2	166.8	167.7	167.3	168.2	168.5	168.4	168.7	169.2	168.8	169.2
<b>Mining</b> .....	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )
<b>Construction</b> .....	150.3	150.7	150.4	150.3	151.2	149.7	149.7	149.2	150.6	151.0	151.4	150.9	151.7
<b>Manufacturing</b> .....	169.4	169.5	169.7	170.2	171.0	170.7	171.3	171.8	172.0	172.5	172.4	172.6	172.8
<b>Transportation and public utilities</b> .....	166.6	167.9	167.4	168.5	169.1	168.6	169.6	170.2	169.3	170.1	170.7	170.3	169.8
<b>Wholesale trade</b> .....	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )
<b>Retail trade</b> .....	155.7	158.8	156.4	156.8	157.5	157.0	157.3	157.4	157.3	157.2	157.8	157.7	158.2
<b>Finance, insurance, and real estate</b> .....	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )
<b>Services</b> .....	168.9	169.8	169.9	170.9	171.6	171.7	173.1	174.0	173.1	173.4	174.3	173.2	174.2
<b>Total private (in constant dollars)<sup>4</sup></b> .....	94.1	94.4	94.0	93.9	94.0	93.5	94.4	95.1	95.4	95.4	95.2	95.1	( <sup>q</sup> )
<b>Average hourly earnings</b>													
<b>Total private</b> .....	\$8.59	\$8.62	\$8.63	\$8.65	\$8.70	\$8.68	\$8.71	\$8.73	\$8.72	\$8.73	\$8.74	\$8.72	\$8.76
<b>Mining</b> .....	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )	( <sup>q</sup> )
<b>Construction</b> .....	\$12.32	\$12.35	\$12.33	\$12.34	\$12.40	\$12.25	\$12.29	\$12.23	\$12.34	\$12.38	\$12.43	\$12.40	\$12.46
<b>Manufacturing</b> .....	9.57	9.58	9.61	9.63	9.68	9.65	9.68	9.70	9.68	9.72	9.71	9.72	9.76
<b>Transportation and public utilities</b> .....	11.43	11.49	11.47	11.52	11.56	11.56	11.62	11.65	11.58	11.62	11.63	11.61	11.57
<b>Wholesale trade</b> .....	9.17	9.20	9.19	9.24	9.30	9.22	9.34	9.36	9.27	9.29	9.35	9.31	9.36
<b>Retail trade</b> .....	5.94	5.98	5.96	5.97	6.02	5.99	5.99	6.01	5.99	5.99	6.00	6.00	6.01
<b>Finance, insurance, and real estate</b> .....	7.98	8.04	8.04	8.08	8.14	8.10	8.21	8.27	8.26	8.31	8.40	8.34	8.40
<b>Services</b> .....	7.93	7.97	7.98	8.02	8.05	8.05	8.11	8.16	8.11	8.12	8.17	8.11	8.15
<b>Average weekly earnings</b>													
<b>Total private:</b>													
In current dollars .....	299.79	300.84	301.19	301.02	303.63	303.80	303.98	304.68	303.46	303.80	303.28	302.58	304.85
In constant (1977) dollars <sup>4</sup> .....	170.43	170.74	170.45	169.49	170.20	169.72	170.58	171.94	171.93	171.83	170.67	170.37	( <sup>q</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 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Alabama</b> .....	40.7	41.3	41.1	\$8.51	\$8.65	\$8.61	\$346.36	\$357.24	\$353.87
Birmingham .....	39.5	40.8	39.4	8.78	8.87	8.80	346.81	361.90	346.72
Mobile .....	42.5	( <sup>b</sup> )	( <sup>b</sup> )	10.37	( <sup>b</sup> )	( <sup>b</sup> )	440.72	( <sup>b</sup> )	( <sup>b</sup> )
<b>Alaska</b> .....	40.0	38.4	45.0	10.37	\$12.12	\$10.03	414.80	\$485.41	\$451.35
<b>Arizona</b> .....	40.9	41.2	40.9	9.47	9.80	9.90	387.32	403.78	404.91
Phoenix .....	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )
Tucson .....	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )
<b>Arkansas</b> .....	39.8	40.9	40.2	7.57	7.71	7.77	299.77	315.34	312.35
Fayetteville-Springdale .....	38.9	40.3	40.6	6.65	6.92	6.89	268.69	278.68	279.73
Fort Smith .....	40.1	40.5	40.3	8.00	8.10	8.10	320.80	328.05	326.43
Little Rock-North Little Rock .....	40.8	40.2	40.0	8.11	8.26	8.42	330.89	332.05	336.80
Pine Bluff .....	41.1	( <sup>b</sup> )	( <sup>b</sup> )	9.55	( <sup>b</sup> )	( <sup>b</sup> )	392.51	( <sup>b</sup> )	( <sup>b</sup> )
<b>California</b> .....	39.7	40.3	39.8	10.14	\$10.31	\$10.32	402.58	\$415.49	\$410.74
<b>Colorado</b> .....	39.3	40.4	40.4	9.51	9.80	9.57	373.74	387.64	386.63
Denver .....	39.3	( <sup>b</sup> )	( <sup>b</sup> )	10.21	( <sup>b</sup> )	( <sup>b</sup> )	401.25	( <sup>b</sup> )	( <sup>b</sup> )
<b>Connecticut</b> .....	41.5	41.8	41.4	9.57	\$9.92	\$9.98	397.16	\$414.66	\$413.17
Bridgeport-Milford .....	40.6	41.4	39.0	10.07	10.31	10.38	408.64	426.83	404.82
Hartford .....	41.5	41.7	41.7	9.88	10.28	10.26	408.19	427.84	427.84
New Britain .....	41.9	( <sup>b</sup> )	( <sup>b</sup> )	9.72	( <sup>b</sup> )	( <sup>b</sup> )	407.27	( <sup>b</sup> )	( <sup>b</sup> )
New Haven-Meriden .....	40.5	40.7	39.9	9.10	\$9.58	\$9.63	388.55	\$389.91	\$384.24
Stamford .....	40.9	( <sup>b</sup> )	( <sup>b</sup> )	9.66	( <sup>b</sup> )	( <sup>b</sup> )	395.09	( <sup>b</sup> )	( <sup>b</sup> )
Waterbury .....	42.4	42.5	41.0	7.96	\$8.38	\$8.46	337.50	\$355.30	\$346.88
<b>Delaware</b> .....	40.9	41.8	39.9	9.99	9.94	9.56	408.59	413.50	381.44
Wilmington .....	40.6	42.4	40.1	11.75	11.78	11.82	477.05	499.47	473.98
<b>District of Columbia:</b>									
Washington MSA .....	37.8	38.5	38.6	10.42	10.19	10.31	393.88	392.32	397.97
<b>Florida</b> .....	40.9	41.2	40.8	7.87	7.98	8.07	321.88	327.95	329.26
Fort Lauderdale-Hollywood-Pompano Beach .....	40.4	( <sup>b</sup> )	( <sup>b</sup> )	7.73	( <sup>b</sup> )	( <sup>b</sup> )	312.29	( <sup>b</sup> )	( <sup>b</sup> )
Jacksonville .....	41.8	42.0	44.1	8.36	\$8.44	\$8.62	349.45	\$354.48	\$380.14
Lakeland-Winter Haven .....	41.7	( <sup>b</sup> )	( <sup>b</sup> )	8.03	( <sup>b</sup> )	( <sup>b</sup> )	334.85	( <sup>b</sup> )	( <sup>b</sup> )
Miami-Hialeah .....	38.4	38.8	38.3	8.85	\$8.85	\$8.95	263.04	\$265.78	\$266.19
Orlando .....	41.5	42.6	42.5	8.36	8.15	8.33	346.94	347.19	354.03
Pensacola .....	39.2	( <sup>b</sup> )	( <sup>b</sup> )	9.48	( <sup>b</sup> )	( <sup>b</sup> )	371.62	( <sup>b</sup> )	( <sup>b</sup> )
Tampa-St. Petersburg-Clearwater .....	40.5	40.9	39.9	7.50	\$7.49	\$7.48	303.75	\$306.34	\$298.45
West Palm Beach-Boca Raton-Delray Beach .....	42.9	( <sup>b</sup> )	( <sup>b</sup> )	8.11	( <sup>b</sup> )	( <sup>b</sup> )	347.92	( <sup>b</sup> )	( <sup>b</sup> )
<b>Georgia</b> .....	40.8	41.0	40.2	8.08	\$8.18	\$8.18	329.66	\$335.38	\$328.84
Atlanta .....	41.2	( <sup>b</sup> )	( <sup>b</sup> )	9.35	( <sup>b</sup> )	( <sup>b</sup> )	385.22	( <sup>b</sup> )	( <sup>b</sup> )
Savannah .....	43.7	( <sup>b</sup> )	( <sup>b</sup> )	10.11	( <sup>b</sup> )	( <sup>b</sup> )	441.81	( <sup>b</sup> )	( <sup>b</sup> )
<b>Hawaii</b> .....	36.9	38.4	38.2	8.63	\$8.54	\$8.52	318.45	\$327.94	\$325.48
Honolulu .....	37.2	39.0	37.6	8.74	8.59	8.50	325.13	335.01	319.60
<b>Idaho</b> .....	37.0	39.7	38.7	9.79	9.68	9.77	362.23	384.30	378.10
<b>Illinois</b> .....	39.9	40.8	40.8	10.34	10.59	10.63	412.57	432.07	433.70
Aurora-Evanston .....	39.7	( <sup>b</sup> )	( <sup>b</sup> )	9.89	( <sup>b</sup> )	( <sup>b</sup> )	392.63	( <sup>b</sup> )	( <sup>b</sup> )
Bloomington-Normal .....	38.0	40.7	41.4	10.42	\$10.88	\$10.62	395.96	\$434.88	\$439.67
Champaign-Urbana-Rantoul .....	40.0	39.1	40.4	9.16	9.02	9.15	366.40	352.68	389.66
Chicago .....	40.8	41.9	41.1	10.19	10.34	10.31	415.75	433.25	423.74
Davenport-Rock Island-Moline .....	40.3	40.5	40.3	12.41	12.43	12.19	500.12	503.42	491.26
Decatur .....	40.1	41.2	39.5	13.53	13.80	13.78	542.55	568.56	543.52
Joliet .....	41.6	( <sup>b</sup> )	( <sup>b</sup> )	11.48	( <sup>b</sup> )	( <sup>b</sup> )	477.57	( <sup>b</sup> )	( <sup>b</sup> )
Kankakee .....	38.1	( <sup>b</sup> )	( <sup>b</sup> )	10.13	( <sup>b</sup> )	( <sup>b</sup> )	385.95	( <sup>b</sup> )	( <sup>b</sup> )
Lake County .....	39.4	( <sup>b</sup> )	( <sup>b</sup> )	10.25	( <sup>b</sup> )	( <sup>b</sup> )	403.85	( <sup>b</sup> )	( <sup>b</sup> )
Peoria .....	38.8	41.9	41.1	12.54	\$12.77	\$12.72	486.55	\$535.06	\$522.79
Rockford .....	39.9	41.9	42.9	10.65	10.94	11.27	424.94	458.39	483.48
Springfield .....	41.7	39.4	40.6	11.46	11.23	11.03	477.88	442.46	447.82

See footnotes at end of table.



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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Indiana</b> .....	40.9	41.5	40.8	\$10.70	\$10.76	\$10.78	\$437.63	\$446.54	\$439.82
Gary-Hammond .....	42.4	( <sup>1</sup> )	( <sup>1</sup> )	14.06	( <sup>1</sup> )	( <sup>1</sup> )	596.99	( <sup>1</sup> )	( <sup>1</sup> )
Indianapolis .....	41.4	( <sup>1</sup> )	( <sup>1</sup> )	11.04	( <sup>1</sup> )	( <sup>1</sup> )	457.06	( <sup>1</sup> )	( <sup>1</sup> )
<b>Iowa</b> .....	39.4	40.0	39.4	10.36	\$10.42	\$10.48	408.18	\$416.80	\$412.91
Cedar Rapids .....	38.8	40.5	38.8	11.40	11.62	11.63	442.32	470.61	451.24
Des Moines .....	39.9	38.1	39.4	11.78	11.27	11.17	470.02	429.39	440.10
Dubuque .....	38.9	( <sup>1</sup> )	( <sup>1</sup> )	11.94	( <sup>1</sup> )	( <sup>1</sup> )	464.47	( <sup>1</sup> )	( <sup>1</sup> )
Sioux City .....	40.4	42.5	41.0	8.27	\$8.53	\$8.51	334.11	\$362.53	\$348.91
<b>Kansas</b> .....	39.4	40.5	39.6	9.43	9.62	9.68	371.54	389.81	383.33
Topeka .....	38.6	40.7	40.6	10.38	10.68	10.56	400.67	433.86	428.74
Wichita .....	38.8	38.4	38.0	9.86	10.17	10.11	362.57	390.53	363.96
<b>Kentucky</b> .....	38.3	39.0	38.4	9.50	9.87	9.81	363.85	384.93	376.70
Lexington-Fayette .....	38.4	( <sup>1</sup> )	( <sup>1</sup> )	10.07	( <sup>1</sup> )	( <sup>1</sup> )	386.69	( <sup>1</sup> )	( <sup>1</sup> )
Louisville .....	40.2	40.3	39.8	10.66	\$10.91	\$11.12	428.53	\$439.67	\$442.58
<b>Louisiana</b> .....	41.2	41.3	41.1	10.42	10.59	10.72	429.30	437.37	440.59
Baton Rouge .....	43.2	41.6	40.5	12.45	12.50	12.47	537.84	520.00	505.04
New Orleans .....	40.9	39.6	40.5	10.44	10.60	10.90	427.00	419.76	441.45
Shreveport .....	38.5	38.3	37.7	10.59	10.56	10.27	407.72	404.45	387.18
<b>Maine</b> .....	40.1	40.8	40.4	8.27	8.55	8.73	331.63	348.84	352.69
Lewiston-Auburn .....	39.8	( <sup>1</sup> )	( <sup>1</sup> )	6.81	( <sup>1</sup> )	( <sup>1</sup> )	271.04	( <sup>1</sup> )	( <sup>1</sup> )
Portland .....	38.2	39.3	38.2	8.78	\$9.07	\$8.91	335.40	\$356.45	\$340.36
<b>Maryland</b> .....	40.1	40.7	40.3	9.75	9.90	10.04	390.98	402.93	404.61
Baltimore MSA .....	41.0	( <sup>1</sup> )	( <sup>1</sup> )	10.29	( <sup>1</sup> )	( <sup>1</sup> )	421.89	( <sup>1</sup> )	( <sup>1</sup> )
<b>Massachusetts</b> .....	40.2	41.3	41.1	9.14	\$9.18	\$9.31	367.43	\$379.13	\$382.64
Boston .....	40.3	40.7	40.2	9.62	10.10	10.06	387.69	411.07	404.41
Brockton .....	38.1	( <sup>1</sup> )	( <sup>1</sup> )	6.97	( <sup>1</sup> )	( <sup>1</sup> )	265.56	( <sup>1</sup> )	( <sup>1</sup> )
Fall River .....	37.3	( <sup>1</sup> )	( <sup>1</sup> )	6.87	( <sup>1</sup> )	( <sup>1</sup> )	256.25	( <sup>1</sup> )	( <sup>1</sup> )
Lawrence-Haverhill .....	40.3	( <sup>1</sup> )	( <sup>1</sup> )	8.79	( <sup>1</sup> )	( <sup>1</sup> )	354.24	( <sup>1</sup> )	( <sup>1</sup> )
Lowell .....	41.0	( <sup>1</sup> )	( <sup>1</sup> )	8.26	( <sup>1</sup> )	( <sup>1</sup> )	338.66	( <sup>1</sup> )	( <sup>1</sup> )
New Bedford .....	38.4	( <sup>1</sup> )	( <sup>1</sup> )	7.78	( <sup>1</sup> )	( <sup>1</sup> )	298.75	( <sup>1</sup> )	( <sup>1</sup> )
Springfield .....	41.4	42.7	42.7	8.97	\$8.97	\$8.99	371.36	\$383.02	\$383.87
Worcester .....	41.2	41.1	41.0	9.18	9.41	9.66	378.22	386.75	396.06
<b>Michigan</b> .....	42.6	42.3	41.6	12.60	12.76	12.72	536.76	539.75	529.15
Ann Arbor .....	43.3	44.5	41.6	13.09	13.43	12.98	566.80	597.63	539.14
Battle Creek .....	41.7	( <sup>1</sup> )	( <sup>1</sup> )	13.60	( <sup>1</sup> )	( <sup>1</sup> )	567.12	( <sup>1</sup> )	( <sup>1</sup> )
Detroit .....	43.0	43.3	42.2	13.32	\$13.74	\$13.63	572.76	\$594.94	\$575.19
Flint .....	46.5	43.1	43.9	14.54	14.63	14.76	676.11	630.55	647.96
Grand Rapids .....	40.5	40.4	39.8	10.60	10.71	10.73	429.30	432.68	427.05
Jackson .....	41.1	( <sup>1</sup> )	( <sup>1</sup> )	9.99	( <sup>1</sup> )	( <sup>1</sup> )	410.59	( <sup>1</sup> )	( <sup>1</sup> )
Kalamazoo .....	42.6	42.4	42.0	12.01	\$11.85	\$11.87	511.63	\$502.44	\$498.54
Lansing-East Lansing .....	41.4	41.7	41.9	14.70	14.23	14.39	608.58	593.39	602.94
Muskegon .....	39.1	( <sup>1</sup> )	( <sup>1</sup> )	11.22	( <sup>1</sup> )	( <sup>1</sup> )	438.70	( <sup>1</sup> )	( <sup>1</sup> )
Saginaw-Bay City-Midland .....	44.4	43.5	43.1	14.23	\$13.97	\$14.11	631.81	\$607.69	\$608.14
<b>Minnesota</b> .....	40.2	40.5	40.1	10.03	10.26	10.13	403.21	415.53	406.21
Duluth .....	36.3	39.2	34.7	10.81	10.84	10.77	392.40	424.93	373.72
Minneapolis-St. Paul .....	40.6	41.0	40.3	10.79	11.00	10.91	438.07	451.00	439.67
St. Cloud .....	39.4	39.8	39.8	9.74	9.22	9.23	383.76	366.96	367.35
<b>Mississippi</b> .....	39.4	40.5	39.2	7.14	7.45	7.42	281.32	301.73	290.86
Jackson .....	40.4	40.5	39.5	8.19	8.26	8.25	330.88	334.53	325.88
<b>Missouri</b> .....	39.7	40.6	40.1	9.49	9.77	9.70	376.75	396.66	388.97
Kansas City .....	40.1	40.5	40.7	10.63	11.00	10.95	426.26	445.50	445.67
St. Joseph .....	40.5	( <sup>1</sup> )	( <sup>1</sup> )	8.59	( <sup>1</sup> )	( <sup>1</sup> )	347.90	( <sup>1</sup> )	( <sup>1</sup> )
St. Louis .....	39.9	40.2	40.1	11.02	\$11.13	\$11.16	439.70	\$447.43	\$447.52
Springfield .....	33.9	42.0	43.5	9.19	9.00	9.02	311.54	378.00	392.37
<b>Montana</b> .....	38.5	39.9	39.0	10.99	11.00	10.99	423.12	438.90	428.61

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Nebraska</b> .....	39.7	41.3	38.9	\$9.12	\$9.27	\$9.17	\$382.08	\$382.85	\$356.71
Lincoln .....	38.2	40.5	37.4	9.73	9.46	9.41	371.69	383.13	351.93
Omaha .....	39.9	42.0	39.9	9.88	9.71	9.68	394.21	407.82	386.23
<b>Nevada</b> .....	40.3	39.6	40.2	9.28	9.35	9.33	373.98	370.26	375.07
Las Vegas .....	40.3	39.8	39.7	11.09	11.03	11.24	448.93	438.79	446.23
<b>New Hampshire</b> .....	39.8	41.3	40.3	8.47	8.69	8.82	337.11	358.90	355.45
Manchester .....	39.3	( <sup>1</sup> )	( <sup>1</sup> )	8.37	( <sup>1</sup> )	( <sup>1</sup> )	328.94	( <sup>1</sup> )	( <sup>1</sup> )
Nashua .....	39.6	39.8	38.3	10.03	\$9.96	\$10.11	397.19	\$398.41	\$387.21
<b>New Jersey</b> .....	40.3	41.0	40.8	9.90	10.18	10.20	398.97	416.56	416.18
Atlantic City .....	36.7	( <sup>1</sup> )	( <sup>1</sup> )	8.95	( <sup>1</sup> )	( <sup>1</sup> )	328.47	( <sup>1</sup> )	( <sup>1</sup> )
Bergen-Passaic .....	40.1	( <sup>1</sup> )	( <sup>1</sup> )	9.30	( <sup>1</sup> )	( <sup>1</sup> )	372.93	( <sup>1</sup> )	( <sup>1</sup> )
Camden .....	39.9	( <sup>1</sup> )	( <sup>1</sup> )	10.08	( <sup>1</sup> )	( <sup>1</sup> )	401.39	( <sup>1</sup> )	( <sup>1</sup> )
Jersey City .....	39.1	( <sup>1</sup> )	( <sup>1</sup> )	8.78	( <sup>1</sup> )	( <sup>1</sup> )	343.30	( <sup>1</sup> )	( <sup>1</sup> )
Middlesex-Somerset-Hunterdon .....	41.8	( <sup>1</sup> )	( <sup>1</sup> )	10.54	( <sup>1</sup> )	( <sup>1</sup> )	440.57	( <sup>1</sup> )	( <sup>1</sup> )
Newark .....	40.4	( <sup>1</sup> )	( <sup>1</sup> )	9.86	( <sup>1</sup> )	( <sup>1</sup> )	390.26	( <sup>1</sup> )	( <sup>1</sup> )
Trenton .....	41.3	( <sup>1</sup> )	( <sup>1</sup> )	10.46	( <sup>1</sup> )	( <sup>1</sup> )	432.00	( <sup>1</sup> )	( <sup>1</sup> )
<b>New Mexico</b> .....	38.4	39.4	40.3	8.70	\$8.85	\$8.98	334.08	\$348.89	\$361.89
Albuquerque .....	38.4	( <sup>1</sup> )	( <sup>1</sup> )	8.53	( <sup>1</sup> )	( <sup>1</sup> )	327.55	( <sup>1</sup> )	( <sup>1</sup> )
<b>New York</b> .....	39.4	39.8	39.5	9.70	\$9.90	\$9.95	382.18	\$394.02	\$393.03
Albany-Schenectady-Troy .....	39.8	40.7	39.6	9.88	10.27	10.25	393.22	417.99	405.90
Binghamton .....	39.7	40.6	40.0	8.44	8.89	8.92	335.07	360.93	356.80
Buffalo .....	41.4	42.0	41.4	12.07	12.23	12.14	499.70	513.66	502.80
Elmira .....	39.4	( <sup>1</sup> )	( <sup>1</sup> )	9.11	( <sup>1</sup> )	( <sup>1</sup> )	358.93	( <sup>1</sup> )	( <sup>1</sup> )
Glens Falls .....	39.9	( <sup>1</sup> )	( <sup>1</sup> )	9.73	( <sup>1</sup> )	( <sup>1</sup> )	388.23	( <sup>1</sup> )	( <sup>1</sup> )
Monroe County .....	41.6	( <sup>1</sup> )	( <sup>1</sup> )	12.58	( <sup>1</sup> )	( <sup>1</sup> )	523.33	( <sup>1</sup> )	( <sup>1</sup> )
Nassau-Suffolk .....	39.8	40.3	40.6	9.51	\$10.03	\$10.02	378.50	\$404.21	\$406.81
New York PMSA .....	37.0	37.2	37.0	8.92	9.14	9.18	330.04	340.01	339.66
New York City .....	36.6	36.7	36.5	8.76	9.00	9.00	320.82	330.30	328.50
Niagara Falls .....	41.7	41.1	40.7	12.63	12.81	12.85	526.67	526.49	523.00
Orange County .....	37.8	( <sup>1</sup> )	( <sup>1</sup> )	7.19	( <sup>1</sup> )	( <sup>1</sup> )	271.78	( <sup>1</sup> )	( <sup>1</sup> )
Poughkeepsie .....	41.5	( <sup>1</sup> )	( <sup>1</sup> )	8.58	( <sup>1</sup> )	( <sup>1</sup> )	356.07	( <sup>1</sup> )	( <sup>1</sup> )
Rochester .....	41.4	41.2	41.4	11.71	\$11.94	\$11.94	484.79	\$491.93	\$494.32
Rockland County .....	40.6	40.5	40.8	9.27	9.72	9.66	376.36	393.66	394.13
Syracuse .....	40.8	41.1	39.9	10.93	11.26	11.28	445.94	462.79	450.07
Utica-Rome .....	40.8	41.0	40.6	8.69	9.34	9.38	354.55	382.94	380.83
Westchester County .....	39.2	39.9	39.1	10.09	9.97	10.36	395.53	397.80	405.08
<b>North Carolina</b> .....	38.9	40.7	40.1	7.28	7.49	7.51	283.19	304.84	301.15
Asheville .....	41.1	( <sup>1</sup> )	( <sup>1</sup> )	7.31	( <sup>1</sup> )	( <sup>1</sup> )	300.44	( <sup>1</sup> )	( <sup>1</sup> )
Charlotte-Gastonia-Rock Hill .....	38.4	41.3	41.1	7.49	\$7.64	\$7.70	287.62	\$315.53	\$316.47
Greensboro-Winston-Salem-High Point .....	37.7	40.3	39.5	7.93	8.28	8.31	298.96	333.68	328.25
Raleigh-Durham .....	41.2	41.8	41.5	8.28	8.61	8.54	341.14	359.90	354.41
<b>North Dakota</b> .....	38.3	38.2	38.7	7.97	8.17	8.06	305.25	312.09	311.92
Fargo-Moorhead .....	38.5	( <sup>1</sup> )	( <sup>1</sup> )	8.23	( <sup>1</sup> )	( <sup>1</sup> )	316.86	( <sup>1</sup> )	( <sup>1</sup> )
<b>Ohio</b> .....	41.7	41.9	41.5	11.33	\$11.50	\$11.49	472.46	\$481.85	\$476.84
Akron .....	42.6	43.9	43.0	10.99	11.21	11.14	468.17	492.12	479.02
Canton .....	39.5	( <sup>1</sup> )	( <sup>1</sup> )	10.92	( <sup>1</sup> )	( <sup>1</sup> )	431.34	( <sup>1</sup> )	( <sup>1</sup> )
Cincinnati .....	40.9	41.7	41.8	10.47	\$10.64	\$10.68	428.22	\$443.69	\$446.42
Cleveland .....	40.9	42.1	40.9	11.07	11.41	11.25	452.76	480.36	460.13
Columbus .....	40.8	41.0	40.9	10.77	11.23	11.22	439.42	460.43	458.90
Dayton-Springfield .....	44.2	43.1	42.7	12.15	12.02	12.04	537.03	518.06	514.11
Toledo .....	42.2	42.2	42.1	12.26	12.42	12.52	517.37	524.12	527.09
Youngstown-Warren .....	42.8	( <sup>1</sup> )	( <sup>1</sup> )	13.31	( <sup>1</sup> )	( <sup>1</sup> )	569.67	( <sup>1</sup> )	( <sup>1</sup> )
<b>Oklahoma</b> .....	40.4	41.2	40.4	9.72	\$9.75	\$9.80	392.69	\$401.70	\$395.92
Oklahoma City .....	40.0	40.0	39.5	10.27	10.85	10.86	410.80	434.00	428.97
Tulsa .....	38.9	39.2	39.2	10.38	10.47	10.56	403.78	410.42	413.95
<b>Oregon</b> .....	37.1	38.9	38.2	10.51	10.76	10.55	389.92	418.58	403.01
Eugene-Springfield .....	37.0	40.4	38.1	10.81	11.20	10.48	399.97	452.48	399.29
Portland .....	37.2	39.1	38.7	10.50	10.89	10.82	390.80	425.80	418.73
Salem .....	34.5	38.5	35.9	8.59	9.39	9.13	296.36	361.52	327.77

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Pennsylvania</b> .....	39.9	40.3	40.1	\$9.80	\$9.69	\$9.74	\$383.04	\$390.51	\$390.57
Allentown-Bethlehem .....	39.8	38.9	38.6	10.35	10.21	10.31	411.93	397.17	397.97
Altoona .....	40.0	( <sup>1</sup> )	( <sup>1</sup> )	8.29	( <sup>1</sup> )	( <sup>1</sup> )	331.60	( <sup>1</sup> )	( <sup>1</sup> )
Beaver County .....	41.9	42.6	41.3	11.74	\$11.99	\$11.99	491.91	\$510.77	\$495.19
Delaware Valley .....	39.7	39.7	39.1	9.96	10.10	10.09	395.41	400.97	394.52
Erie .....	42.5	( <sup>1</sup> )	( <sup>1</sup> )	10.15	( <sup>1</sup> )	( <sup>1</sup> )	431.38	( <sup>1</sup> )	( <sup>1</sup> )
Harrisburg-Lebanon-Carlisle .....	39.0	39.8	39.2	9.04	\$9.19	\$9.24	352.56	\$365.76	\$362.21
Johnstown .....	37.8	( <sup>1</sup> )	( <sup>1</sup> )	8.23	( <sup>1</sup> )	( <sup>1</sup> )	311.09	( <sup>1</sup> )	( <sup>1</sup> )
Lancaster .....	39.5	40.3	40.2	9.16	\$9.59	\$9.62	361.82	\$386.48	\$386.72
Philadelphia PMSA .....	39.7	39.8	39.2	9.98	10.10	10.12	396.21	401.98	396.70
Pittsburgh .....	41.3	41.0	41.2	11.10	11.02	11.14	458.43	451.82	458.97
Reading .....	40.4	40.4	40.1	9.84	9.87	9.94	397.54	398.75	398.59
Scranton-Wilkes-Barre .....	38.7	38.0	38.2	8.29	8.51	8.48	320.82	323.38	323.94
Williamsport .....	39.3	( <sup>1</sup> )	( <sup>1</sup> )	8.49	( <sup>1</sup> )	( <sup>1</sup> )	333.66	( <sup>1</sup> )	( <sup>1</sup> )
York .....	40.6	41.1	41.1	8.86	\$9.18	\$9.21	359.72	\$377.30	\$378.53
<b>Rhode Island</b> .....	39.9	40.7	40.1	7.60	7.91	7.93	303.24	321.94	317.99
Pawtucket-Woonsocket-Attleboro .....	40.1	( <sup>1</sup> )	( <sup>1</sup> )	7.19	( <sup>1</sup> )	( <sup>1</sup> )	288.32	( <sup>1</sup> )	( <sup>1</sup> )
Providence .....	39.7	( <sup>1</sup> )	( <sup>1</sup> )	7.45	( <sup>1</sup> )	( <sup>1</sup> )	295.77	( <sup>1</sup> )	( <sup>1</sup> )
<b>South Carolina</b> .....	39.8	40.8	40.4	7.61	\$7.90	\$7.93	302.88	\$322.32	\$320.37
Charleston .....	43.5	( <sup>1</sup> )	( <sup>1</sup> )	9.43	( <sup>1</sup> )	( <sup>1</sup> )	410.20	( <sup>1</sup> )	( <sup>1</sup> )
Columbia .....	39.1	40.3	39.8	7.55	\$7.79	\$7.78	295.20	\$313.94	\$309.84
Greenville-Spartanburg .....	40.2	41.0	40.7	7.39	7.72	7.72	297.08	316.52	314.20
<b>South Dakota</b> .....	41.9	41.8	42.4	7.44	7.75	7.68	311.74	323.95	325.63
Sioux Falls .....	47.7	46.0	46.7	7.41	7.99	8.03	353.46	367.54	375.00
<b>Tennessee</b> .....	40.7	41.3	40.8	8.31	8.43	8.46	338.22	348.16	345.17
Chattanooga .....	40.7	43.4	42.9	7.30	7.56	7.54	297.11	328.10	323.47
Johnson City-Kingsport-Bristol .....	42.7	( <sup>1</sup> )	( <sup>1</sup> )	8.88	( <sup>1</sup> )	( <sup>1</sup> )	379.18	( <sup>1</sup> )	( <sup>1</sup> )
Knoxville .....	40.6	39.4	39.4	8.98	\$8.32	\$8.25	364.59	\$327.81	\$325.05
Memphis .....	41.9	44.4	43.0	8.75	8.60	8.61	366.62	381.84	370.23
Nashville .....	39.7	39.1	38.5	9.27	9.30	9.22	366.02	363.63	354.97
<b>Texas</b> .....	40.6	41.3	41.4	9.47	9.57	9.58	384.48	395.24	396.61
Dallas .....	41.0	41.9	42.6	9.09	9.47	9.33	372.69	396.79	397.46
Ft. Worth-Arlington .....	40.6	41.5	40.8	9.39	9.53	9.43	381.23	395.50	384.74
Houston .....	42.4	41.7	42.1	11.12	11.23	11.27	471.49	468.29	474.47
San Antonio .....	39.7	40.7	39.4	7.21	7.35	7.39	286.24	299.15	291.17
<b>Utah</b> .....	39.7	39.8	39.8	9.46	9.84	9.81	375.56	391.63	390.44
Salt Lake City-Ogden .....	39.1	39.9	39.8	9.15	9.63	9.67	357.77	384.24	384.87
<b>Vermont</b> .....	39.3	40.8	40.0	8.37	8.75	8.95	328.94	357.00	358.00
Burlington .....	41.7	41.8	42.9	9.15	9.55	9.74	381.56	399.19	417.85
Springfield .....	40.5	( <sup>1</sup> )	( <sup>1</sup> )	8.26	( <sup>1</sup> )	( <sup>1</sup> )	334.53	( <sup>1</sup> )	( <sup>1</sup> )
<b>Virginia</b> .....	39.6	40.4	39.8	8.50	\$8.86	\$8.89	336.60	\$357.94	\$353.82
Bristol .....	39.9	41.1	39.9	7.30	7.45	7.54	291.27	306.20	300.85
Charlottesville .....	38.5	( <sup>1</sup> )	( <sup>1</sup> )	7.14	( <sup>1</sup> )	( <sup>1</sup> )	274.89	( <sup>1</sup> )	( <sup>1</sup> )
Danville .....	39.3	( <sup>1</sup> )	( <sup>1</sup> )	6.04	( <sup>1</sup> )	( <sup>1</sup> )	315.97	( <sup>1</sup> )	( <sup>1</sup> )
Lynchburg .....	39.9	39.7	40.3	8.27	\$8.31	\$8.28	329.97	\$329.91	\$333.68
Northern Virginia .....	38.7	41.4	41.5	8.74	9.42	9.42	338.24	389.99	390.93
Richmond-Petersburg .....	39.0	40.6	40.7	10.36	11.16	11.52	404.04	453.10	468.86
Roanoke .....	41.1	40.3	41.1	7.89	8.33	8.14	324.28	335.70	334.55
<b>Washington</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</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		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>West Virginia</b> .....	38.8	40.6	39.5	\$10.47	\$10.36	\$10.48	\$406.24	\$420.62	\$413.96
Charleston .....	42.0	42.3	41.5	12.58	12.88	12.88	527.52	544.82	534.52
Huntington-Ashland .....	38.8	39.5	39.0	11.64	12.05	12.12	451.63	475.98	472.68
Parkersburg-Marietta .....	41.1	41.8	41.8	11.76	12.20	12.16	483.34	509.96	508.29
Wheeling .....	39.4	( <sup>1</sup> )	( <sup>1</sup> )	12.40	( <sup>1</sup> )	( <sup>1</sup> )	488.56	( <sup>1</sup> )	( <sup>1</sup> )
<b>Wisconsin</b> .....	41.0	41.1	41.2	10.18	\$10.34	\$10.34	417.38	\$424.97	\$426.01
Appleton-Oshkosh .....	43.3	42.2	43.3	10.00	10.16	10.33	433.00	428.75	447.29
Eau Claire .....	42.4	40.8	39.9	10.78	10.29	10.37	457.07	419.83	413.76
Green Bay .....	41.6	41.7	42.4	10.95	11.16	11.00	455.52	465.37	466.40
Janesville-Beloit .....	39.0	38.1	37.7	12.14	11.69	11.90	473.48	445.39	448.63
Kenosha .....	39.3	( <sup>1</sup> )	( <sup>1</sup> )	12.16	( <sup>1</sup> )	( <sup>1</sup> )	477.89	( <sup>1</sup> )	( <sup>1</sup> )
La Crosse .....	36.8	39.0	38.7	9.26	\$9.45	\$9.37	340.77	\$388.55	\$362.62
Madison .....	41.6	40.1	41.4	9.55	9.77	9.64	397.28	391.78	399.10
Milwaukee .....	40.7	40.9	41.2	11.56	11.53	11.71	470.49	471.58	482.45
Racine .....	38.7	41.2	39.2	10.49	10.86	10.70	405.96	447.43	419.44
Sheboygan .....	37.9	( <sup>1</sup> )	( <sup>1</sup> )	9.27	( <sup>1</sup> )	( <sup>1</sup> )	351.33	( <sup>1</sup> )	( <sup>1</sup> )
Wausau .....	42.4	( <sup>1</sup> )	( <sup>1</sup> )	9.64	( <sup>1</sup> )	( <sup>1</sup> )	408.74	( <sup>1</sup> )	( <sup>1</sup> )
<b>Wyoming</b> .....	40.8	36.2	37.3	10.32	\$9.94	\$9.92	421.06	\$359.83	\$370.02
<b>Puerto Rico</b> .....	38.6	38.3	38.5	5.16	5.21	5.25	199.18	199.54	202.12
<b>Virgin Islands</b> .....	42.3	42.3	42.4	9.23	9.85	9.88	390.43	416.85	418.91

<sup>1</sup> Publication of data has been suspended because of budget cuts.

<sup>2</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 1985 benchmarks except Michigan. Data for Michigan have been adjusted to December 1984 benchmarks.

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	June 1986 <sup>r</sup>	July 1986 <sup>r</sup>	Aug. 1986 <sup>p</sup>	Aug. 1985 to Aug. 1986 <sup>p</sup>	June 1986 to July 1986 <sup>r</sup>	July 1986 to Aug. 1986 <sup>p</sup>
Total .....	185,448	185,880	186,789	2.3	0.2	0.5
Private sector .....	152,399	152,850	153,575	2.5	.3	.5
Mining .....	1,680	1,650	1,634	-21.4	-1.8	-1.0
Construction .....	9,541	9,634	9,802	6.8	1.0	1.7
Manufacturing .....	40,321	40,241	40,472	-.3	-.2	.6
Durable goods .....	24,103	24,023	24,156	-1.4	-.3	.6
Nondurable goods .....	16,218	16,217	16,315	1.4	.0	.6
Transportation and public utilities .....	10,712	10,774	10,703	-.4	.6	-.7
Wholesale trade .....	11,614	11,668	11,704	1.8	.5	.3
Retail trade .....	27,220	27,322	27,371	2.5	.4	.2
Finance, insurance, and real estate .....	11,991	11,998	12,122	7.0	.1	1.0
Services .....	39,320	39,564	39,769	5.3	.6	.5
Government .....	33,049	33,030	33,214	1.6	-.1	.6

<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										
	1984	1985	1983	1984				1985				1986	
			IV	I	II	III	IV	I	II	III	IV	I	II <sup>a</sup>
<b>Business sector</b>													
Output per hour of all persons .....	105.3	106.4	103.8	104.9	105.6	105.5	105.5	105.7	106.4	107.3	106.4	107.3	107.2
Output .....	118.8	122.7	113.6	116.9	119.0	119.5	120.2	121.3	122.3	123.5	123.8	125.3	125.2
Hours .....	112.8	115.3	109.4	111.4	112.7	113.3	114.0	114.8	115.0	116.4	116.4	116.8	116.8
Compensation per hour .....	168.1	175.3	163.6	165.9	167.1	169.0	170.6	172.3	174.5	176.4	178.0	179.1	180.4
Real compensation per hour .....	98.1	98.8	98.0	98.1	97.9	98.1	98.2	98.4	98.7	99.1	99.0	99.2	100.3
Unit labor costs .....	159.7	164.8	157.7	158.2	158.3	160.2	161.7	163.1	164.0	164.4	167.3	167.0	168.2
Unit nonlabor payments .....	156.3	159.7	150.6	154.1	156.7	157.0	157.7	158.3	160.0	161.4	159.6	162.2	161.9
Implicit price deflator .....	158.5	163.0	155.2	156.7	157.7	159.0	160.3	161.4	162.6	163.4	164.6	165.3	166.0
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	104.3	104.8	103.3	103.9	104.6	104.4	104.3	104.4	104.9	105.4	104.5	105.6	105.5
Output .....	118.8	122.5	114.1	116.9	119.1	119.5	120.2	121.1	122.1	123.3	123.6	125.1	125.0
Hours .....	114.0	116.9	110.5	112.5	113.8	114.5	115.2	116.0	116.4	116.9	118.2	118.5	118.5
Compensation per hour .....	167.9	174.6	163.4	165.6	166.9	168.7	170.4	172.1	174.0	175.4	177.0	178.3	179.3
Real compensation per hour .....	98.0	98.4	97.9	97.9	97.8	98.0	98.1	98.2	98.4	98.5	98.4	98.8	99.7
Unit labor costs .....	161.0	166.7	158.2	159.4	159.5	161.5	163.3	164.8	165.9	166.3	169.3	168.8	170.0
Unit nonlabor payments .....	156.1	160.6	152.3	153.2	156.4	157.2	157.9	158.9	160.8	163.0	160.3	163.9	163.5
Implicit price deflator .....	159.3	164.6	156.2	157.2	158.4	160.0	161.4	162.7	164.1	165.2	166.2	167.1	167.7
<b>Manufacturing</b>													
Output per hour of all persons .....	116.6	121.7	113.3	114.7	115.7	117.8	118.2	119.3	121.7	123.0	122.9	123.4	124.0
Output .....	116.0	120.4	109.6	113.4	115.3	117.4	117.9	118.8	119.9	121.2	121.9	122.5	122.1
Hours .....	99.5	98.9	96.8	98.8	99.7	99.7	99.7	99.6	98.5	98.5	99.1	99.3	98.4
Compensation per hour .....	168.2	176.7	163.6	165.4	166.8	169.1	171.5	173.8	175.6	178.1	179.3	180.2	181.4
Real compensation per hour .....	98.1	99.5	97.9	97.8	97.8	98.2	98.7	99.2	99.3	100.0	99.7	99.8	100.9
Unit labor costs .....	144.2	145.1	144.3	144.1	144.2	143.5	145.1	145.7	144.3	144.8	145.8	146.1	146.2
<b>Durable goods</b>													
Output per hour of all persons .....	116.7	124.6	111.9	114.0	115.4	118.3	119.1	121.4	124.4	126.3	126.4	126.7	126.6
Output .....	117.0	124.7	107.8	112.8	115.6	119.1	120.5	122.6	124.1	125.6	126.4	126.5	125.0
Hours .....	100.2	100.1	96.3	98.9	100.2	100.7	101.2	100.9	99.8	99.5	100.0	99.9	98.7
Compensation per hour .....	166.6	174.9	162.3	164.1	165.3	167.2	169.4	172.0	173.2	176.5	178.0	178.9	180.1
Real compensation per hour .....	97.2	98.5	97.2	97.1	96.9	97.1	97.5	98.2	97.9	99.2	98.9	99.1	100.2
Unit labor costs .....	142.7	140.3	145.0	144.0	143.3	141.4	142.3	141.6	139.2	139.8	140.8	141.2	142.2
<b>Nondurable goods</b>													
Output per hour of all persons .....	116.5	117.3	115.3	115.9	116.1	117.0	116.8	116.0	117.5	118.0	117.6	118.3	120.2
Output .....	114.5	114.1	112.4	114.2	114.9	114.8	114.0	113.2	113.6	114.5	115.1	116.4	117.7
Hours .....	98.3	97.3	97.5	98.6	99.0	98.1	97.6	97.6	96.7	97.0	97.9	98.3	98.0
Compensation per hour .....	170.8	179.4	166.0	167.5	169.2	171.9	174.6	176.5	179.4	180.4	181.3	182.2	183.5
Real compensation per hour .....	99.7	101.0	99.4	99.1	99.2	99.8	100.5	100.8	101.5	101.3	100.8	100.9	102.1
Unit labor costs .....	146.6	152.9	143.9	144.6	145.7	146.9	149.4	152.1	152.7	152.8	154.1	154.0	152.7
<b>Nonfinancial corporations<sup>1</sup></b>													
Output per all-employee hour .....	105.6	106.8	104.5	105.3	105.9	105.5	105.8	106.0	106.5	107.8	107.0	106.9	106.3
Output .....	120.4	124.8	115.1	118.2	120.5	120.9	122.1	123.1	124.2	126.0	126.1	126.9	126.0
Hours .....	114.0	116.9	110.1	112.3	113.7	114.6	115.5	116.1	116.6	116.8	117.8	118.7	118.5
Compensation per hour .....	165.9	172.3	161.7	163.6	164.8	166.6	168.3	169.9	171.6	173.1	174.5	175.4	176.0
Real compensation per hour .....	96.8	97.0	96.8	96.8	96.6	96.7	96.8	97.0	97.0	97.2	97.0	97.1	97.9
Total unit costs .....	161.5	165.8	159.0	159.4	160.1	162.6	163.8	164.9	165.8	165.0	167.2	168.3	169.4
Unit labor costs .....	157.0	161.2	154.8	155.4	155.7	157.9	159.1	160.3	161.1	160.5	163.0	164.0	165.6
Unit nonlabor costs .....	174.6	179.1	171.4	171.1	173.1	176.4	177.5	178.5	179.8	178.3	179.8	181.1	180.9
Unit profits .....	133.4	133.1	128.6	134.4	138.5	130.3	130.5	129.3	130.2	141.7	131.2	131.7	128.4
Implicit price deflator .....	158.1	161.8	155.3	156.4	157.5	158.7	159.8	160.6	161.6	162.2	162.9	164.0	164.5

<sup>1</sup> Measures for the second quarter of 1986 are preliminary.  
= revised.

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

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	I 1985	II 1985	III 1985	IV 1985	I 1986	II 1986'	I 1985	II 1985	III 1985	IV 1985	I 1986	II 1986'
<b>Business sector</b>												
Output per hour of all persons .....	0.9	2.7	3.4	-3.2	3.3	-0.3	0.8	0.8	1.7	0.9	1.5	0.8
Output .....	3.6	3.3	4.1	1.0	4.7	-4	3.8	2.8	3.4	3.0	3.3	2.3
Hours .....	2.6	.6	.7	4.3	1.4	-1	3.0	2.0	1.7	2.1	1.8	1.6
Compensation per hour .....	4.2	5.1	4.4	3.8	2.5	2.7	3.9	4.5	4.4	4.4	3.9	3.3
Real compensation per hour .....	1.0	1.0	1.8	-5	1.0	4.5	.3	.7	1.0	.8	.8	1.7
Unit labor costs .....	3.3	2.4	1.0	7.2	-7	3.0	3.1	3.6	2.6	3.4	2.4	2.6
Unit nonlabor payments .....	1.6	4.2	3.7	-4.3	6.6	-7	2.7	2.0	2.8	1.2	2.5	1.2
Implicit price deflator .....	2.7	3.0	1.9	3.0	1.8	1.7	3.0	3.1	2.7	2.7	2.4	2.1
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	.3	1.8	2.2	-3.5	4.3	-5	.5	.2	1.0	.2	1.2	.6
Output .....	3.2	3.0	4.0	1.0	5.1	-3	3.6	2.5	3.1	2.8	3.3	2.4
Hours .....	2.9	1.2	1.8	4.6	.8	.2	3.1	2.3	2.1	2.6	2.1	1.8
Compensation per hour .....	3.9	4.6	3.2	3.7	3.1	2.2	3.9	4.2	4.0	3.9	3.6	3.1
Real compensation per hour .....	.7	.5	.7	-6	1.6	3.9	.3	.5	.6	.3	.5	1.4
Unit labor costs .....	3.6	2.7	1.0	7.4	-1.2	2.8	3.4	4.0	3.0	3.7	2.5	2.5
Unit nonlabor payments .....	2.5	4.7	5.7	-6.6	9.3	-9	3.7	2.8	3.7	1.5	3.1	1.7
Implicit price deflator .....	3.2	3.4	2.6	2.4	2.3	1.5	3.5	3.6	3.2	2.9	2.7	2.2
<b>Manufacturing</b>												
Output per hour of all persons .....	3.9	8.2	4.4	-3	1.4	2.2	4.0	5.2	4.4	4.0	3.4	1.9
Output .....	3.2	3.7	4.3	2.4	1.9	-1.3	4.8	4.0	3.2	3.4	3.1	1.8
Hours .....	-6	-4.2	-1	2.7	.4	-3.4	.8	-1.2	-1.2	-6	-3	-1
Compensation per hour .....	5.5	4.3	5.6	2.8	2.1	2.5	5.1	5.3	5.3	4.5	3.7	3.3
Real compensation per hour .....	2.2	.3	3.0	-1.4	.6	4.3	1.4	1.6	1.9	1.0	.6	1.6
Unit labor costs .....	1.5	-3.6	1.2	3.0	.6	.4	1.1	.1	.9	.5	.3	1.3
<b>Durable goods</b>												
Output per hour of all persons .....	8.2	10.2	6.1	.5	.9	-3	6.5	7.9	6.8	6.2	4.4	1.8
Output .....	7.2	5.1	4.9	2.7	.3	-4.9	8.7	7.4	5.4	5.0	3.2	.7
Hours .....	-9	-4.6	-1.1	2.2	-6	-4.6	2.0	-4	-1.2	-1.1	-1.1	-1.1
Compensation per hour .....	6.1	3.0	7.8	3.3	2.2	2.6	4.8	4.8	5.6	5.0	4.1	4.0
Real compensation per hour .....	2.8	-1.0	5.1	-9	.7	4.3	1.1	1.1	2.1	1.5	.9	2.3
Unit labor costs .....	-1.9	-6.6	1.6	2.8	1.2	2.9	-1.7	-2.8	-1.1	-1.1	-3	2.1
<b>Nondurable goods</b>												
Output per hour of all persons .....	-2.6	5.2	1.8	-1.4	2.4	6.3	.1	1.2	.9	.7	2.0	2.3
Output .....	-2.8	1.5	3.3	1.9	4.5	4.7	-9	-1.1	-3	1.0	2.8	3.6
Hours .....	-2	-3.5	1.5	3.4	2.0	-1.5	-1.0	-2.3	-1.1	.3	.8	1.3
Compensation per hour .....	4.4	6.9	2.1	1.9	2.2	2.8	5.3	6.1	4.9	3.8	3.3	2.3
Real compensation per hour .....	1.2	2.8	-4	-2.3	.7	4.5	1.7	2.3	1.5	.3	.2	.6
Unit labor costs .....	7.2	1.7	.3	3.4	-2	-3.3	5.2	4.8	4.0	3.1	1.3	.0
<b>Nonfinancial corporations<sup>1</sup></b>												
Output per all-employee hour .....	.8	2.2	4.9	-2.8	-5	-2.3	.6	.6	2.2	1.2	.9	-2
Output .....	3.2	3.7	5.9	.5	2.6	-3.0	4.1	3.1	4.2	3.3	3.2	1.5
Hours .....	2.4	1.4	1.0	3.4	3.1	-7	3.5	2.5	2.0	2.1	2.2	1.7
Compensation per hour .....	3.8	4.2	3.4	3.3	2.0	1.5	3.8	4.1	3.9	3.7	3.2	2.6
Real compensation per hour .....	.6	.2	.9	-9	.5	3.2	.2	.4	.5	.2	.2	.9
Total unit costs .....	2.8	2.3	-1.9	5.5	2.7	2.6	3.5	3.6	1.5	2.1	2.1	2.2
Unit labor costs .....	3.0	2.0	-1.4	6.3	2.5	3.8	3.2	3.5	1.6	2.4	2.3	2.8
Unit nonlabor costs .....	2.2	3.0	-3.3	3.3	3.1	-5	4.3	3.9	1.1	1.3	1.5	.6
Unit profits .....	-3.6	3.0	40.1	-26.4	1.3	-9.4	-3.8	-5.9	8.7	.6	1.8	-1.4
Implicit price deflator .....	2.2	2.3	1.7	1.7	2.5	1.4	2.7	2.6	2.2	2.0	2.1	1.8

<sup>1</sup> Measures for the second quarter of 1986 are preliminary.  
=revised.

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

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Alabama</b> .....	1,821.4	1,896.8	1,897.9	163.8	192.3	199.6	9.0	10.1	10.5
Birmingham .....	421.8	446.3	448.0	29.7	37.5	40.3	7.0	8.4	9.0
Huntsville .....	118.4	127.5	126.4	7.0	10.0	9.8	5.9	7.9	7.7
Mobile .....	208.6	215.4	216.0	18.5	23.9	23.9	8.9	11.1	11.1
Montgomery .....	129.2	133.1	133.0	9.6	10.7	10.8	7.4	8.1	8.1
Tuscaloosa .....	63.5	67.4	67.0	4.2	5.8	5.6	6.7	8.6	8.3
<b>Alaska</b> .....	271.1	268.6	276.6	23.2	29.2	29.2	8.5	10.9	10.6
<b>Arizona</b> .....	1,462.0	1,592.1	1,588.4	110.9	112.1	118.0	7.6	7.0	7.4
Phoenix .....	899.6	991.4	987.5	51.0	52.8	55.1	5.7	5.3	5.6
Tucson .....	283.7	307.7	305.4	16.0	16.8	17.6	5.6	5.5	5.8
<b>Arkansas</b> .....	1,057.7	1,071.1	1,076.9	88.5	95.6	96.0	8.4	8.9	8.9
Fayetteville-Springdale .....	52.7	53.4	54.0	2.4	2.6	2.9	4.6	4.8	5.4
Fort Smith .....	85.8	87.6	88.2	7.3	6.8	6.6	8.5	7.7	7.5
Little Rock-North Little Rock .....	246.2	249.4	250.1	15.8	17.9	18.5	6.4	7.2	7.4
Pine Bluff .....	35.6	37.0	36.7	3.3	3.2	3.0	9.2	8.5	8.1
<b>California<sup>1</sup></b> .....	13,070.7	13,373.4	13,497.7	1,008.2	866.5	1,017.4	7.7	6.5	7.5
Anaheim-Santa Ana .....	1,188.8	1,223.2	1,220.3	56.6	48.4	56.8	4.8	4.0	4.7
Bakersfield .....	220.5	218.2	219.8	23.1	25.8	27.2	10.5	11.8	12.4
Fresno .....	292.8	296.3	298.9	33.9	33.6	35.7	11.6	11.3	12.0
Los Angeles-Long Beach <sup>1</sup> .....	4,039.0	4,130.0	4,164.0	330.0	277.0	339.0	8.2	6.7	8.1
Modesto .....	146.2	150.0	152.7	22.0	20.7	21.3	15.1	13.8	14.0
Oakland .....	981.3	1,025.5	1,042.1	66.8	58.0	66.4	6.8	5.7	6.4
Oxnard-Ventura .....	309.8	319.9	325.3	26.0	20.0	25.1	8.4	6.3	7.7
Riverside-San Bernardino .....	787.4	816.0	809.0	63.0	52.6	64.0	8.0	6.4	7.9
Sacramento .....	630.7	646.4	658.3	43.8	37.9	42.7	6.9	5.9	6.5
Salinas-Seaside-Monterey .....	154.0	156.0	159.6	13.5	13.1	13.9	8.7	8.4	8.7
San Diego .....	964.1	992.8	1,003.4	55.7	49.4	57.6	5.8	5.0	5.7
San Francisco .....	864.8	874.5	885.8	45.9	39.6	46.1	5.3	4.5	5.2
San Jose .....	818.3	821.3	827.0	54.2	45.4	52.8	6.6	5.5	6.4
Santa Barbara-Santa Maria-Lompoc .....	171.2	175.5	177.1	9.7	8.2	9.6	5.7	4.7	5.4
Santa Rosa-Petaluma .....	173.1	175.1	178.4	10.6	9.8	11.2	6.1	5.6	6.3
Stockton .....	188.7	191.0	192.6	23.3	21.1	22.5	12.4	11.1	11.7
Vallejo-Fairfield-Napa .....	171.9	175.4	179.2	12.5	11.0	12.9	7.3	6.3	7.2
<b>Colorado</b> .....	1,724.2	1,715.4	1,709.4	96.7	118.3	115.9	5.6	6.9	6.8
Boulder-Longmont .....	130.3	129.9	129.9	6.2	7.3	7.4	4.8	5.7	5.7
Denver .....	913.7	906.0	900.7	44.1	56.1	55.3	4.8	6.2	6.1
<b>Connecticut</b> .....	1,720.2	1,765.1	1,781.0	91.2	65.7	72.9	5.3	3.7	4.1
Bridgeport-Milford .....	227.4	235.3	236.9	14.6	10.7	11.9	6.4	4.5	5.0
Hartford .....	409.1	422.4	426.5	19.5	13.9	14.6	4.8	3.3	3.4
New Britain .....	71.7	73.5	72.9	4.6	2.9	3.4	6.4	3.9	4.7
New Haven-Meriden .....	267.6	272.1	275.1	14.4	9.9	11.2	5.4	3.7	4.1
Stamford .....	116.9	119.7	121.8	4.2	3.4	3.6	3.6	2.9	3.0
Waterbury .....	103.5	104.7	104.1	7.5	5.2	6.6	7.3	5.0	6.3
<b>Delaware</b> .....	324.6	331.8	333.7	16.8	17.4	19.2	5.2	5.2	5.8
Wilmington .....	279.8	283.3	283.8	14.9	16.2	19.8	5.3	5.7	7.0
<b>District of Columbia</b> .....	338.9	324.3	338.0	28.6	23.4	27.7	8.4	7.2	8.2
Washington .....	2,009.5	2,069.4	2,089.6	82.2	70.7	74.8	4.1	3.4	3.6
<b>Florida<sup>1</sup></b> .....	5,345.2	5,655.5	5,720.5	373.8	342.1	392.0	7.0	6.0	6.9
Daytona Beach .....	131.5	146.2	147.3	6.5	7.4	7.8	4.9	5.1	5.3
Fort Lauderdale-Hollywood-Pompano Beach .....	557.5	592.7	596.1	30.9	26.6	29.4	5.5	4.5	4.9
Fort Myers-Cape Coral .....	112.7	122.2	122.8	6.1	5.5	6.2	5.5	4.5	5.0
Gainesville .....	93.7	97.9	99.6	3.8	3.1	4.0	4.0	3.2	4.0
Jacksonville .....	403.6	434.9	441.5	23.4	24.9	27.3	5.8	5.7	6.2
Lakeland-Winter Haven .....	167.1	169.1	174.1	25.5	20.2	25.8	15.3	11.9	14.8
Melbourne-Titusville-Palm Bay .....	166.0	172.3	175.7	8.7	10.6	11.6	5.2	6.1	6.6
Miami-Hialeah .....	883.9	917.3	927.4	73.7	63.9	69.3	8.3	7.0	7.5
Orlando .....	490.1	524.4	531.9	27.1	26.6	29.7	5.5	5.1	5.6
Pensacola .....	141.0	147.8	148.3	9.9	10.1	10.6	7.0	6.8	7.1
Sarasota .....	102.3	107.4	109.0	4.8	4.6	5.1	4.7	4.3	4.7
Tallahassee .....	110.1	118.5	117.5	5.2	4.8	5.3	4.7	4.0	4.5
Tampa-St. Petersburg-Clearwater .....	875.7	917.2	933.5	49.3	49.9	56.1	5.6	5.4	6.0
West Palm Beach-Boca Raton-Delray Beach .....	344.3	367.3	369.1	28.8	24.1	29.8	8.4	6.6	8.1

See footnotes at end of table.



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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Georgia</b> .....	2,894.0	3,000.0	3,017.8	202.2	183.7	197.0	7.0	6.1	6.5
Albany .....	55.5	56.1	55.9	5.2	6.9	8.1	9.4	12.3	14.5
Athens .....	68.0	70.0	70.0	4.8	3.5	4.5	7.1	5.0	6.4
Atlanta .....	1,323.3	1,389.6	1,398.8	68.5	66.8	68.3	5.2	4.8	4.9
Augusta .....	187.3	168.6	168.9	11.1	10.6	10.3	6.8	6.3	6.1
Columbus .....	97.4	98.7	98.5	8.5	7.7	7.5	8.7	7.8	7.7
Macon-Warner Robins .....	124.0	126.1	126.3	9.4	8.0	7.7	7.8	6.4	6.1
Savannah .....	101.6	105.4	105.1	7.6	7.3	7.1	7.5	6.9	6.8
<b>Hawaii</b> .....	487.7	502.3	503.8	26.9	27.8	24.6	5.9	5.5	4.9
Honolulu .....	366.3	376.5	376.9	19.5	18.1	16.4	5.3	4.8	4.3
<b>Idaho</b> .....	485.7	490.5	498.4	39.3	38.6	38.5	8.1	7.9	7.7
Boise City .....	99.2	106.3	107.4	5.9	5.6	5.3	5.9	5.3	5.0
<b>Illinois</b> <sup>1</sup> .....	5,742.8	5,813.4	5,806.8	513.8	489.2	451.9	8.9	8.4	7.8
Aurora-Elgin .....	168.3	172.9	170.6	13.0	12.3	11.2	7.7	7.1	6.5
Bloomington-Normal .....	59.6	61.4	60.8	3.5	3.5	3.1	5.8	5.7	5.2
Champaign-Urbana-Rantoul .....	79.2	81.1	80.9	4.6	4.1	3.8	5.8	5.1	4.7
Chicago .....	3,148.0	3,184.8	3,174.4	264.4	250.6	230.0	8.4	7.9	7.2
Davenport-Rock Island-Moline .....	175.9	178.4	179.4	17.4	17.2	17.1	9.9	9.8	9.6
Decatur .....	58.0	59.6	59.1	6.2	6.6	6.2	10.6	11.1	10.5
Joliet .....	166.0	190.5	186.6	16.2	14.6	13.2	8.7	7.7	7.1
Kankakee .....	45.7	45.1	44.4	5.3	4.8	4.1	11.6	10.7	9.3
Lake County .....	256.0	263.8	261.8	14.8	14.1	12.5	5.8	5.3	4.8
Peoria .....	154.9	152.4	151.5	17.3	14.0	13.0	11.2	9.2	8.6
Rockford .....	142.5	144.0	144.3	13.8	13.0	12.3	9.7	9.0	8.8
Springfield .....	102.8	103.2	103.5	6.8	6.0	5.6	6.6	5.8	5.4
<b>Indiana</b> .....	2,742.2	2,786.0	2,818.3	204.9	184.1	186.8	7.5	6.6	6.6
Anderson .....	60.9	61.7	62.1	4.4	3.9	4.3	7.2	6.3	7.0
Elkhart-Goshen .....	88.3	91.8	92.7	5.0	4.3	5.0	5.7	4.6	5.4
Evansville .....	144.9	146.1	147.5	9.9	10.1	10.1	6.8	6.9	6.8
Fort Wayne .....	184.4	186.0	191.1	12.0	10.2	10.9	6.5	5.4	5.7
Gary-Hammond .....	267.7	265.0	268.7	31.2	28.9	27.3	11.7	10.9	10.2
Indianapolis .....	628.0	651.8	659.2	36.7	34.3	33.5	5.8	5.3	5.1
Lafayette .....	61.5	62.9	63.9	2.7	2.4	2.9	4.3	3.8	4.5
Muncie .....	57.3	58.4	58.3	4.2	4.1	4.1	7.3	7.0	7.0
South Bend-Mishawaka .....	124.4	125.6	127.0	9.1	7.2	8.8	7.3	5.7	7.0
Terre Haute .....	60.3	59.9	60.2	4.8	4.2	3.9	8.0	7.0	6.5
<b>Iowa</b> .....	1,442.7	1,458.4	1,442.5	111.2	98.5	96.2	7.7	6.6	6.8
Cedar Rapids .....	85.0	89.8	87.4	5.8	5.4	5.7	6.8	6.0	6.6
Des Moines .....	207.3	212.2	209.5	13.3	11.8	12.2	6.4	5.8	5.8
Dubuque .....	42.1	( <sup>2</sup> )	( <sup>2</sup> )	3.9	( <sup>2</sup> )	( <sup>2</sup> )	9.3	( <sup>2</sup> )	( <sup>2</sup> )
Iowa City .....	52.1	( <sup>2</sup> )	( <sup>2</sup> )	1.7	( <sup>2</sup> )	( <sup>2</sup> )	3.2	( <sup>2</sup> )	( <sup>2</sup> )
Sioux City .....	57.0	58.1	56.9	4.7	4.7	4.7	8.2	8.2	8.3
Waterloo-Cedar Falls .....	69.9	66.0	67.0	9.5	8.3	8.0	13.6	12.2	12.0
<b>Kansas</b> .....	1,262.8	1,261.8	1,252.8	60.9	65.2	68.6	4.8	5.2	5.3
Lawrence .....	34.5	( <sup>2</sup> )	( <sup>2</sup> )	1.6	( <sup>2</sup> )	( <sup>2</sup> )	4.5	( <sup>2</sup> )	( <sup>2</sup> )
Topeka .....	87.5	87.3	87.8	4.2	4.0	4.3	4.8	4.5	4.9
Wichita .....	226.2	229.4	228.2	13.6	13.6	13.7	6.1	5.9	6.0
<b>Kentucky</b> .....	1,678.5	1,702.9	1,705.6	156.8	151.4	157.8	9.3	8.9	9.3
Lexington-Fayette .....	174.3	178.0	176.1	8.7	9.0	10.0	5.0	5.1	5.7
Louisville .....	488.7	496.3	504.8	38.4	34.7	33.8	7.9	7.0	6.7
Owensboro .....	44.6	44.3	44.3	4.1	4.8	4.5	9.1	10.5	10.1
<b>Louisiana</b> .....	1,999.3	1,992.4	1,984.1	240.8	274.6	250.8	12.0	13.8	12.8
Alexandria .....	58.5	( <sup>2</sup> )	( <sup>2</sup> )	8.3	( <sup>2</sup> )	( <sup>2</sup> )	10.8	( <sup>2</sup> )	( <sup>2</sup> )
Baton Rouge .....	259.1	259.8	258.0	29.3	30.0	27.6	11.3	11.6	10.7
Houma-Thibodaux .....	79.5	76.2	74.8	9.1	14.1	13.0	11.5	18.6	17.4
Lafayette .....	111.2	111.0	108.6	10.7	16.5	15.7	9.6	14.9	14.5
Lake Charles .....	76.6	74.0	71.9	11.6	11.5	10.8	15.2	15.5	14.8
Monroe .....	67.8	68.2	67.9	8.4	7.2	6.2	9.5	10.6	9.2
New Orleans .....	615.1	593.7	585.8	71.6	68.2	61.5	11.6	11.5	10.5
Shreveport .....	188.9	164.8	161.9	15.7	20.2	18.2	9.3	12.2	11.2
<b>Maine</b> .....	577.2	572.3	565.3	34.6	28.0	32.8	6.0	4.9	5.6
Lewiston-Auburn .....	40.5	40.4	40.6	3.8	2.4	3.6	9.5	5.9	8.9
Portland .....	115.2	115.2	117.8	4.1	3.2	3.6	3.6	2.8	3.1
<b>Maryland</b> .....	2,286.7	2,380.1	2,394.8	101.8	91.9	100.2	4.4	3.9	4.2
Baltimore .....	1,122.9	1,144.3	1,166.9	56.3	51.8	55.0	5.2	4.5	4.7

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>Massachusetts<sup>1</sup></b> .....	3,116.7	3,075.0	3,143.2	133.7	113.9	120.2	4.3	3.7	3.8
Boston .....	1,532.1	1,516.9	1,550.1	57.1	49.5	50.5	3.7	3.3	3.3
Brockton .....	96.3	95.6	96.4	4.7	4.2	4.3	4.9	4.4	4.5
Fall River .....	74.8	75.3	77.0	5.5	4.4	5.6	7.3	5.9	7.2
Fitchburg-Leominster .....	44.7	47.3	47.4	2.7	2.1	2.4	6.0	4.5	5.2
Lawrence-Haverhill .....	186.9	189.0	190.8	10.2	9.5	9.9	5.5	5.0	5.2
Lowell .....	151.5	151.6	155.9	6.5	5.9	6.0	4.3	3.9	3.8
New Bedford .....	89.7	86.7	88.4	6.3	4.5	5.4	7.1	5.2	6.1
Pittsfield .....	42.2	40.4	42.6	2.0	1.5	1.8	4.7	3.8	4.2
Springfield .....	250.5	244.9	248.9	11.5	9.9	10.3	4.6	4.1	4.2
Worcester .....	205.5	203.8	207.9	8.8	7.2	8.0	4.3	3.6	3.9
<b>Michigan<sup>1</sup></b> .....	4,377.7	4,422.0	4,468.3	474.0	415.4	411.1	10.8	9.4	9.2
Ann Arbor .....	144.8	144.0	142.8	11.9	8.2	8.1	8.2	5.7	5.6
Battle Creek .....	63.2	( <sup>2</sup> )	( <sup>2</sup> )	6.8	( <sup>2</sup> )	( <sup>2</sup> )	10.8	( <sup>2</sup> )	( <sup>2</sup> )
Benton Harbor .....	76.8	( <sup>2</sup> )	( <sup>2</sup> )	9.3	( <sup>2</sup> )	( <sup>2</sup> )	12.1	( <sup>2</sup> )	( <sup>2</sup> )
Detroit .....	2,089.9	2,147.1	2,173.4	211.0	187.3	197.4	10.1	8.7	9.1
Flint .....	199.8	199.2	199.5	27.8	21.3	22.6	13.9	10.7	11.3
Grand Rapids .....	338.1	334.7	336.8	33.6	27.8	26.3	9.9	8.3	7.8
Jackson .....	63.2	( <sup>2</sup> )	( <sup>2</sup> )	7.8	( <sup>2</sup> )	( <sup>2</sup> )	12.4	( <sup>2</sup> )	( <sup>2</sup> )
Kalamazoo .....	110.6	110.0	111.9	8.9	7.8	6.6	8.1	7.1	5.9
Lansing-East Lansing .....	220.3	230.8	229.5	17.7	17.8	16.4	8.1	7.7	7.2
Muskegon .....	70.3	( <sup>2</sup> )	( <sup>2</sup> )	9.6	( <sup>2</sup> )	( <sup>2</sup> )	13.6	( <sup>2</sup> )	( <sup>2</sup> )
Saginaw-Bay City-Midland .....	179.9	183.9	181.9	20.7	20.2	19.1	11.5	11.0	10.5
<b>Minnesota</b> .....	2,262.9	2,286.2	2,259.9	126.2	113.8	111.1	5.6	5.0	4.9
Duluth .....	102.5	103.5	104.4	10.6	8.1	9.1	10.4	7.8	8.7
Minneapolis-St.Paul .....	1,304.9	1,339.6	1,321.6	59.7	55.3	54.3	4.6	4.1	4.1
Rochester .....	58.9	( <sup>2</sup> )	( <sup>2</sup> )	2.2	( <sup>2</sup> )	( <sup>2</sup> )	3.8	( <sup>2</sup> )	( <sup>2</sup> )
St. Cloud .....	85.7	89.2	88.1	5.5	4.7	4.5	6.4	5.2	5.1
<b>Mississippi</b> .....	1,139.6	1,168.7	1,169.2	125.7	146.1	151.9	11.0	12.5	13.0
Jackson .....	188.2	195.5	194.2	13.6	16.4	17.3	7.2	8.4	8.9
<b>Missouri</b> .....	2,491.9	2,564.9	2,575.4	152.9	153.2	158.7	6.1	6.0	6.2
Kansas City .....	820.0	806.3	810.3	34.9	37.6	37.7	4.3	4.7	4.6
St. Joseph .....	42.3	( <sup>2</sup> )	( <sup>2</sup> )	2.8	( <sup>2</sup> )	( <sup>2</sup> )	6.6	( <sup>2</sup> )	( <sup>2</sup> )
St. Louis .....	1,222.9	1,260.9	1,269.6	88.0	88.5	90.4	7.2	7.0	7.1
Springfield .....	114.3	116.6	118.3	5.6	5.2	5.0	4.9	4.4	4.2
<b>Montana</b> .....	416.4	423.8	411.9	28.3	30.9	29.9	6.8	7.3	7.3
<b>Nebraska</b> .....	832.2	840.5	832.0	43.8	38.1	37.0	5.3	4.5	4.4
Lincoln .....	115.7	116.2	115.0	4.0	3.5	3.4	3.5	3.1	2.9
Omaha .....	318.3	319.0	314.9	18.7	16.7	16.2	5.9	5.2	5.2
<b>Nevada</b> .....	511.8	525.9	530.5	39.3	31.3	29.7	7.7	6.0	5.6
Las Vegas .....	290.0	299.7	302.4	24.4	19.5	19.0	8.4	6.5	6.3
Reno .....	129.7	133.7	134.3	8.2	6.5	5.8	6.3	4.8	4.3
<b>New Hampshire</b> .....	553.0	571.7	576.1	28.3	18.3	21.5	5.1	3.2	3.7
Manchester .....	82.1	( <sup>2</sup> )	( <sup>2</sup> )	3.6	( <sup>2</sup> )	( <sup>2</sup> )	4.4	( <sup>2</sup> )	( <sup>2</sup> )
Nashua .....	89.8	90.5	89.8	4.2	3.2	3.2	4.7	3.5	3.5
<b>New Jersey<sup>1</sup></b> .....	3,965.5	3,995.0	4,013.0	237.4	201.6	227.3	6.0	5.0	5.7
Atlantic City .....	189.2	( <sup>2</sup> )	( <sup>2</sup> )	12.5	( <sup>2</sup> )	( <sup>2</sup> )	6.6	( <sup>2</sup> )	( <sup>2</sup> )
Bergen-Passaic .....	711.6	725.0	723.8	41.8	34.7	39.1	5.9	4.8	5.4
Jersey City .....	270.9	268.7	270.7	25.9	22.6	25.3	9.6	8.4	9.3
Middlesex-Somerset-Hunterdon .....	532.9	546.6	549.2	26.3	21.2	25.3	4.9	3.9	4.6
Monmouth-Ocean .....	470.2	478.7	485.7	21.4	18.6	20.9	4.6	3.9	4.3
Newark .....	989.6	980.6	985.3	62.7	53.5	60.0	6.3	5.5	6.1
Trenton .....	165.6	171.4	170.3	8.9	7.5	8.3	5.4	4.4	4.9
Vineland-Millville-Bridgeton .....	57.9	( <sup>2</sup> )	( <sup>2</sup> )	5.8	( <sup>2</sup> )	( <sup>2</sup> )	9.9	( <sup>2</sup> )	( <sup>2</sup> )
<b>New Mexico</b> .....	646.7	685.9	687.4	59.2	66.4	65.2	9.2	9.7	9.5
Albuquerque .....	239.1	257.8	258.1	17.0	17.6	17.0	7.1	6.8	6.6
Las Cruces .....	49.5	57.1	54.1	4.8	4.5	4.3	9.7	8.0	8.0
Santa Fe .....	61.3	64.2	66.1	3.3	3.5	3.7	5.3	5.4	5.7

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>	July 1985	June 1986	July 1986 <sup>a</sup>
<b>New York<sup>1</sup></b> .....	8,455.7	8,489.5	8,595.2	514.7	507.8	540.8	6.1	6.0	6.3
Albany-Schenectady-Troy .....	407.2	420.6	423.4	21.8	20.1	20.8	5.4	4.8	4.9
Binghamton .....	128.4	128.7	128.2	8.5	7.5	7.2	6.6	5.9	5.6
Buffalo .....	434.2	448.2	453.2	31.8	29.9	32.9	7.3	6.7	7.3
Elmira .....	40.4	40.8	40.9	3.8	2.5	2.4	8.9	6.1	5.8
Glens Falls .....	54.9	52.7	55.2	3.2	3.2	3.0	5.9	6.1	5.4
Nassau-Suffolk .....	1,407.6	1,463.0	1,489.1	68.1	64.0	66.7	4.8	4.4	4.5
New York .....	3,922.9	3,848.2	3,910.7	251.7	252.8	278.1	6.4	6.6	7.1
New York City <sup>1</sup> .....	3,254.0	3,174.0	3,226.0	225.0	230.0	255.0	6.9	7.3	7.9
Orange County .....	123.2	126.8	128.1	8.6	6.0	8.2	5.4	4.7	4.8
Poughkeepsie .....	128.6	128.7	131.8	4.8	4.8	4.7	3.7	3.8	3.6
Rochester .....	490.6	502.9	504.3	24.9	28.0	28.6	5.1	5.6	5.7
Syracuse .....	311.0	320.3	323.3	17.9	23.1	23.3	5.8	7.2	7.2
Utica-Rome .....	138.3	136.4	138.8	10.0	8.2	8.8	7.2	6.0	6.2
<b>North Carolina<sup>1</sup></b> .....	3,141.1	3,206.0	3,262.2	177.0	176.4	167.1	5.6	5.5	5.1
Asheville .....	68.4	69.6	91.1	4.0	4.6	4.1	4.5	5.2	4.5
Charlotte-Gastonia-Rock Hill .....	578.0	594.0	602.9	31.6	29.8	28.8	5.5	5.0	4.8
Greensboro-Winston-Salem-High Point .....	491.1	507.4	514.3	23.2	25.2	22.5	4.7	5.0	4.4
Raleigh-Durham .....	367.8	381.7	388.4	10.1	13.6	12.3	2.8	3.6	3.2
<b>North Dakota</b> .....	359.5	354.1	358.7	19.2	22.4	22.0	5.3	6.3	6.1
Bismarck .....	46.7	47.6	46.9	2.7	3.2	3.0	5.8	6.8	6.5
Fargo-Moorhead .....	81.1	83.4	82.2	3.1	3.4	3.3	3.8	4.1	4.0
Grand Forks .....	35.0	36.0	36.0	1.2	1.5	1.4	3.3	4.0	3.8
<b>Ohio<sup>1</sup></b> .....	5,237.0	5,259.3	5,287.4	486.6	457.4	412.2	9.3	8.7	7.8
Akron .....	320.4	323.0	324.9	27.8	26.4	23.3	8.6	8.2	7.2
Canton .....	193.9	( <sup>a</sup> )	( <sup>a</sup> )	21.3	( <sup>a</sup> )	( <sup>a</sup> )	11.0	( <sup>a</sup> )	( <sup>a</sup> )
Cincinnati .....	720.0	730.5	735.2	55.8	50.8	48.8	7.8	6.9	6.4
Cleveland .....	948.9	940.1	949.3	84.5	78.7	71.3	8.9	8.4	7.5
Columbus .....	659.0	683.7	687.3	48.5	44.3	39.7	7.4	6.5	5.8
Dayton-Springfield .....	453.4	455.5	459.8	34.7	32.5	29.2	7.8	7.1	6.3
Toledo .....	298.2	305.0	306.8	27.7	30.2	28.1	9.3	9.9	9.2
Youngstown-Warren .....	222.3	( <sup>a</sup> )	( <sup>a</sup> )	24.7	( <sup>a</sup> )	( <sup>a</sup> )	11.1	( <sup>a</sup> )	( <sup>a</sup> )
<b>Oklahoma</b> .....	1,579.5	1,843.6	1,602.2	113.3	148.3	141.1	7.2	9.0	8.8
Enid .....	32.3	( <sup>a</sup> )	( <sup>a</sup> )	2.1	( <sup>a</sup> )	( <sup>a</sup> )	6.4	( <sup>a</sup> )	( <sup>a</sup> )
Lawton .....	47.8	48.8	47.8	2.2	2.7	2.5	4.6	5.5	5.3
Oklahoma City .....	520.4	524.7	516.0	31.5	37.9	36.4	8.1	7.2	7.1
Tulsa .....	348.3	363.7	360.7	24.9	34.0	32.0	7.2	9.3	8.9
<b>Oregon</b> .....	1,332.4	1,361.8	1,344.7	114.2	121.2	119.5	8.8	8.9	8.9
Eugene-Springfield .....	128.7	134.0	130.8	10.8	12.7	11.5	8.4	9.5	8.8
Portland .....	593.4	612.2	604.2	45.8	48.2	49.0	7.7	7.9	8.1
Salem .....	132.4	129.0	128.1	9.5	11.8	10.7	7.2	9.2	8.5
<b>Pennsylvania<sup>1</sup></b> .....	5,705.7	5,676.4	5,752.8	447.8	416.6	388.9	7.8	7.3	6.7
Allentown-Bethlehem .....	325.3	321.5	323.6	26.8	25.8	24.4	8.2	8.0	7.6
Altoona .....	60.7	60.9	61.3	6.0	6.0	5.5	9.8	9.9	9.0
Beaver County .....	69.4	67.4	66.0	9.8	8.6	7.0	13.9	12.7	10.8
Erie .....	130.0	130.3	130.2	10.3	12.2	10.4	7.9	9.4	8.0
Harrisburg-Lebanon-Carlisle .....	307.9	308.0	313.0	17.5	16.0	14.8	5.7	5.2	4.7
Johnstown .....	99.3	97.7	98.7	11.6	10.9	10.0	11.7	11.1	10.1
Lancaster .....	206.4	207.8	212.9	10.1	7.5	8.3	4.9	3.8	3.9
Philadelphia .....	2,354.6	2,369.5	2,391.4	140.9	135.8	125.8	6.0	5.7	5.3
Pittsburgh .....	989.0	977.8	968.8	89.1	79.5	73.8	9.0	6.1	7.4
Reading .....	168.7	170.6	170.5	13.4	12.5	11.3	7.9	7.3	6.8
Scranton-Wilkes-Barre .....	348.4	345.0	358.2	34.0	30.0	33.9	9.8	8.7	9.5
Sharon .....	50.8	50.5	50.6	4.3	4.0	3.7	8.5	8.0	7.2
State College .....	54.0	55.2	56.4	3.5	3.7	3.2	6.5	6.8	5.7
Williamsport .....	58.1	58.1	57.1	5.0	4.1	3.4	8.9	7.3	6.0
York .....	208.5	207.2	209.4	15.2	12.3	11.7	7.3	6.0	5.6
<b>Rhode Island</b> .....	502.8	510.4	504.3	28.9	18.6	20.4	5.7	3.8	4.0
Pawtucket-Woonsocket-Attleboro .....	164.8	165.5	162.8	10.6	7.3	8.3	6.4	4.4	5.1
Providence .....	324.9	329.8	325.7	18.8	11.9	13.0	5.8	3.8	4.0
<b>South Carolina</b> .....	1,590.2	1,636.2	1,641.9	118.1	109.3	110.7	7.3	6.7	6.7
Charleston .....	211.5	221.9	223.0	10.2	11.3	11.6	4.8	5.1	5.2
Columbia .....	213.7	223.4	224.2	8.2	9.0	9.4	3.8	4.0	4.2
Greenville-Spartanburg .....	308.3	321.2	320.5	19.7	18.0	18.8	6.4	5.6	5.9
<b>South Dakota</b> .....	380.4	387.2	383.7	18.3	15.4	15.0	5.1	4.2	4.1
Rapid City .....	38.9	40.0	39.7	1.8	1.5	1.3	4.7	3.8	3.4
Sioux Falls .....	68.9	71.8	70.5	2.7	2.5	2.2	4.0	3.4	3.1

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>	July 1985	June 1986	July 1986 <sup>P</sup>
<b>Tennessee</b> .....	2,260.1	2,306.1	2,324.1	190.1	180.6	198.5	8.4	7.8	8.5
Chattanooga .....	195.2	208.5	205.6	15.4	16.1	14.6	7.9	7.8	7.1
Johnson City-Kingsport-Bristol .....	212.9	213.1	214.5	17.0	15.6	16.6	8.0	7.3	7.7
Knoxville .....	289.5	277.7	275.0	19.8	21.2	21.4	7.3	7.8	7.8
Memphis LMA .....	421.5	427.4	429.4	28.0	28.2	29.3	6.6	6.8	6.8
Nashville LMA .....	467.3	495.3	495.9	24.3	24.7	26.0	5.0	5.0	5.2
<b>Texas<sup>1</sup></b> .....	8,282.1	8,204.1	8,279.4	632.4	906.8	773.5	7.7	11.1	9.3
Abilene .....	56.5	58.2	56.8	3.8	6.4	5.7	6.4	11.3	10.0
Amarillo .....	103.8	100.0	102.0	6.2	7.9	7.0	6.0	7.9	6.9
Austin .....	416.7	413.6	424.2	20.8	28.3	24.5	4.9	6.8	5.8
Beaumont-Port Arthur .....	175.7	164.1	162.4	26.6	30.5	25.3	15.1	18.6	15.6
Brazoria .....	81.6	81.4	80.8	7.8	11.5	9.7	9.6	14.2	12.0
Brownsville-Harlingen .....	94.2	95.6	95.6	14.2	16.2	15.5	15.1	19.0	16.2
Bryan-College Station .....	56.8	( <sup>2</sup> )	( <sup>2</sup> )	3.3	( <sup>2</sup> )	( <sup>2</sup> )	5.9	( <sup>2</sup> )	( <sup>2</sup> )
Corpus Christi .....	170.0	170.4	189.6	17.1	25.9	21.2	10.1	15.2	12.5
Dallas .....	1,393.6	1,397.6	1,418.7	72.9	97.6	83.6	5.2	7.0	5.9
El Paso .....	219.1	216.8	218.4	25.6	31.6	26.9	11.7	14.6	12.3
Fort Worth-Arlington .....	646.0	639.5	650.8	38.8	52.6	45.4	5.7	8.2	7.0
Galveston-Texas City .....	110.5	109.2	107.9	12.3	15.0	12.6	11.2	13.8	11.7
Houston .....	1,702.1	1,672.3	1,686.2	147.4	212.0	181.3	8.7	12.7	10.7
Killeen-Temple .....	86.0	87.4	89.1	6.3	8.2	7.3	7.2	9.4	8.2
Laredo .....	43.7	( <sup>2</sup> )	( <sup>2</sup> )	6.0	( <sup>2</sup> )	( <sup>2</sup> )	13.7	( <sup>2</sup> )	( <sup>2</sup> )
Longview-Marshall .....	83.2	82.6	82.8	8.5	13.2	11.2	10.2	16.0	13.6
Lubbock .....	111.2	107.4	108.8	7.6	9.3	7.7	8.8	8.7	7.1
McAllen-Edinburg-Mission .....	132.6	141.7	133.5	25.4	29.7	28.1	19.1	20.9	19.6
Midland .....	54.7	53.6	54.3	3.4	7.6	6.8	6.1	14.1	12.4
Odessa .....	83.5	62.6	62.0	4.4	12.3	11.1	7.0	19.7	17.6
San Angelo .....	46.0	( <sup>2</sup> )	( <sup>2</sup> )	2.8	( <sup>2</sup> )	( <sup>2</sup> )	6.2	( <sup>2</sup> )	( <sup>2</sup> )
San Antonio .....	567.6	559.8	567.3	37.9	49.9	42.4	6.7	8.9	7.5
Sherman-Denison .....	47.4	( <sup>2</sup> )	( <sup>2</sup> )	3.5	( <sup>2</sup> )	( <sup>2</sup> )	7.4	( <sup>2</sup> )	( <sup>2</sup> )
Texarkana .....	57.9	( <sup>2</sup> )	( <sup>2</sup> )	4.8	( <sup>2</sup> )	( <sup>2</sup> )	8.4	( <sup>2</sup> )	( <sup>2</sup> )
Tyler .....	76.7	76.3	76.7	5.4	8.1	6.7	7.1	10.7	8.7
Victoria .....	40.0	( <sup>2</sup> )	( <sup>2</sup> )	3.0	( <sup>2</sup> )	( <sup>2</sup> )	7.5	( <sup>2</sup> )	( <sup>2</sup> )
Waco .....	89.9	88.8	89.5	6.2	8.6	7.5	6.9	9.7	8.4
Wichita Falls .....	57.7	( <sup>2</sup> )	( <sup>2</sup> )	3.8	( <sup>2</sup> )	( <sup>2</sup> )	6.3	( <sup>2</sup> )	( <sup>2</sup> )
<b>Utah</b> .....	729.7	747.9	757.2	40.1	40.9	42.2	5.5	5.5	5.6
Provo-Orem .....	89.6	91.5	92.6	5.1	4.9	4.8	5.7	5.3	5.1
Salt Lake City-Ogden .....	483.6	498.9	504.2	24.8	24.7	25.5	5.1	4.9	5.1
<b>Vermont</b> .....	277.0	284.6	285.1	12.4	12.5	11.2	4.5	4.4	3.9
Burlington .....	67.6	68.6	68.9	2.1	2.2	2.1	3.1	3.2	3.1
<b>Virginia</b> .....	2,898.3	2,954.8	2,943.3	175.3	149.0	138.7	6.0	5.0	4.7
Charlottesville .....	61.7	( <sup>2</sup> )	( <sup>2</sup> )	3.9	( <sup>2</sup> )	( <sup>2</sup> )	6.3	( <sup>2</sup> )	( <sup>2</sup> )
Danville .....	52.4	( <sup>2</sup> )	( <sup>2</sup> )	5.7	( <sup>2</sup> )	( <sup>2</sup> )	10.9	( <sup>2</sup> )	( <sup>2</sup> )
Lynchburg .....	71.1	74.3	72.9	4.4	5.0	4.3	6.2	6.7	5.9
Norfolk-Virginia Beach-Newport News .....	574.2	590.9	587.9	28.6	29.2	26.5	5.0	4.9	4.5
Richmond-Petersburg .....	410.0	417.1	411.0	19.3	19.2	17.2	4.7	4.8	4.2
Roanoke .....	117.4	116.1	118.5	6.0	5.8	5.4	5.1	5.0	4.6
<b>Washington</b> .....	2,110.0	2,234.9	2,249.2	163.4	173.3	181.7	7.7	7.8	8.1
Seattle .....	913.3	968.1	987.7	58.5	61.7	64.1	6.4	6.4	6.5
<b>West Virginia</b> .....	775.5	738.1	747.2	98.9	80.4	88.8	12.5	10.9	11.9
Charleston .....	121.3	117.7	118.3	11.8	10.8	10.6	9.7	9.1	9.0
Huntington-Ashland .....	129.3	126.7	127.7	15.0	13.9	14.2	11.6	11.0	11.1
Parkersburg-Marietta .....	72.6	71.8	71.5	8.0	7.6	7.8	11.0	10.6	10.6
Wheeling .....	75.0	72.0	73.6	9.2	8.2	8.7	12.3	11.4	11.6
<b>Wisconsin</b> .....	2,375.4	2,413.2	2,403.7	159.2	158.6	156.4	8.7	6.8	6.5
Appleton-Oshkosh-Neenah .....	156.7	160.2	160.6	10.2	10.8	10.4	6.5	6.7	6.5
Eau Claire .....	65.7	67.2	67.4	4.5	4.0	4.0	6.9	6.0	5.9
Green Bay .....	97.7	100.3	99.3	5.5	5.8	5.4	5.7	5.6	5.4
Janesville-Beloit .....	67.2	69.6	68.7	4.8	5.3	5.2	7.1	7.7	7.6
Kenosha .....	54.0	52.3	51.8	6.0	5.9	5.8	11.1	11.3	11.2
La Crosse .....	48.7	50.0	50.1	2.6	2.7	2.8	5.7	5.4	5.6
Madison .....	202.1	205.4	205.3	6.2	6.6	6.8	4.0	4.2	4.2
Milwaukee .....	704.2	719.1	710.4	44.5	45.2	43.5	6.3	6.3	6.1
Racine .....	83.7	84.3	83.3	7.8	6.7	7.0	9.1	6.0	6.4
Sheboygan .....	53.1	53.7	54.3	3.2	3.3	3.4	6.0	6.1	6.2
Wausau .....	55.3	55.7	56.0	4.2	3.9	3.7	7.6	7.0	6.6
<b>Wyoming</b> .....	267.7	262.7	260.2	17.3	24.4	23.5	6.5	9.3	9.0

<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>3</sup> Publication of data has been suspended due to budget cuts.

<sup>P</sup> = preliminary.

NOTE: Data refer to place of residence. Estimates for 1985 have been

benchmarked to 1985 Current Population Survey annual averages. Except in the 11 States and 2 areas designated by footnote 1, estimates for 1986 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 59,500 households, representing 729 areas in 1,973 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 250,000 establishments employing over 38 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 the 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 their impact on differences in the levels and trends 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 the 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. 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 59,500 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 59,500 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 had made specific efforts to find employment sometime during the prior 4 weeks. Persons who were waiting to be recalled to a job from which they had laid off or were waiting to report to a new job within 30 days need not be looking for work to be classified as unemployed.

*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.

Persons who worked 35 hours or more during 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 noneconomic 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. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or 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.

Data on employment "at work" differ from data on total employment because they exclude persons in the zero-hours-worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute.

Employed persons are also categorized into full- and part-time groupings based primarily on their *usual status*. In this context, *full-time workers* are those who (a) worked 35 hours or more during the survey week, (b) worked 1 to 34 hours for economic or noneconomic reasons, but usually work full time, and (c) were with a job but not at work and usually work full time. Similarly, *part-time workers* are those who (a) voluntarily worked 1 to 34 hours during the survey week, (b) worked 1 to 34 hours for economic reasons, but usually work part time, i.e., persons who could only find part-time work; and (c) were with a job but not at work and usually work part time.

Unemployment rates for full- and part-time workers are calculated using the concepts of the *full-* and *part-time labor force* which are based on the type of job—full or part-time—that persons—whether working or unemployed—report that they want. The "full-time labor force" includes all persons working part time but who desire full-time work, that is, working part time for economic reasons. Thus, this category consists of per-

sons on full-time schedules; all persons involuntarily working part time regardless of their usual status; 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. Employed persons with a job but not at work are distributed according to whether they usually work on full-time or voluntary part-time schedules.

*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 hav-

ing 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 \$50 centered interval within which each median falls.

Data expressed in constant dollars are deflated by the Consumer Price Index for All Urban Consumers (CPI-U).

*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.

*Poverty areas* are defined as those census tracts in tracted areas, and Minor Civil Division's (MCD's) in untraced areas, in which 20 percent or more of the noninstitutional residents were poor according to the

1980 decennial census. Persons were classified as poor or nonpoor by comparing money income to a series of poverty income thresholds which vary by family size and number of children. While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas, and, conversely, the areas include many people who are not poor.

The *metropolitan areas* classification consists of the total of all Metropolitan Statistical Areas (MSA's) as defined by the Office of Management and Budget (OMB) as of June 30, 1984. These definitions differ from those used in the 1980 decennial census. A detailed discussion of the MSA definitions as well as changes in terminology can be found in "The New Metropolitan Area Definitions" section of the *1980 Census of Population Supplementary Report on Metropolitan Statistical Areas*, PC-S1-18. Nonmetropolitan areas consist of the total territory outside MSA's.

The *urban population*, as defined for the 1980 census, comprises all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas. More specifically, the urban population consists of all persons living in (1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities; and (2) other territories, incorporated and unincorporated, included in urbanized areas. The population not classified as urban constitutes the rural population.

## 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 existed 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 “Revisions in the Current Population Survey in January 1979” in the February 1979 issue of *Employment and Earnings*.

Beginning in January 1982, the second-stage adjustment methodology was changed in the CPS estimation procedure. 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 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 were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and vir-

tually no differences in estimates of participation rates.

Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first and second-stage ratio adjustments, and the composite estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in “Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

Beginning in January 1986, the population controls used in the second-stage ratio adjustment methodology were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin civilian population and labor force estimates were raised by about 425,000 and 305,000, respectively, and civilian employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data have been revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appears in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of this publication.

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

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 system used in the 1980 census is based on the 1972 Standard Industrial Classification (SIC) system, 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. In October 1978 a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. 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 1985, a new State-based CPS sample was selected based on 1980 census information rather than 1970 census information. The selection of new sample areas provided an opportunity to improve the efficiency of the sample design. Sample areas chosen to replace incoming sample areas account for only 10 percent of the national estimate. The new CPS sample has resulted in increased reliability for State estimates with a slightly reduced sample size. The reliability of national estimates is unaffected. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and 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 collection 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 by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Beginning in 1985, almost all sample persons within the same State will have the same probability of selection. These estimates are then adjusted for noninterviews, 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 noninterview adjustment is made separately by combinations of similar sample areas that are not necessarily contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by central city and the balance of the MSA. Residence categories of non-MSA areas are urban and rural. The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacation, 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 729 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 adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and non-black. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample areas and the known race distribution of the State.

**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	1330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	2333	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 Dec. 1984	629	57,800	2,500	11,000
Jan. 1985 to present	729	57,000	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.

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 under-coverage relative to the decennial census, is carried out in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for 8 age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 32 age-sex groups each while the other races category has 6 age-sex cells. 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-origin categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1985. The nature and effect of these changes are discussed in detail in "Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 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 is available upon request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1985, there was no separate control for Hispanics in the second-stage ratio procedure. These Hispanic controls are prepared by carrying forward the 1980 census count for Hispanics by adding estimated Hispanic births and immigrants and subtracting estimated Hispanic deaths and emigrants to yield an estimate of the Hispanic population by age and sex.

During the period from January 1982 to December 1984, the "inflation-deflation" method was temporarily discontinued in the preparation of the independent national controls used for the age-sex-race groups in the third step of the second-stage ratio estimation procedure. These controls were prepared by carrying forward the 1980 census data after taking account of subsequent aging of the population, births, deaths, and net migration and then subtracting the estimate for the institutional population and Armed Forces. Beginning in January 1985, the "inflation-deflation" method of deriving independent population controls was reintroduced into the CPS estimation procedure. With the "inflation-deflation" method, the independent controls are prepared by inflating the 1980 census counts to include estimated undercounts by age, sex and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then deflated to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. Because an estimate of undercount is first added and then subtracted, the size of each race-sex group is unaffected by the "inflation-deflation" method. Similarly, the final estimate is affected only by the age structure of the undercount, but not the level. This feature of the method is important since the exact amount of undercount in the 1980 census remains unknown.

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.

Beginning in January 1986, two changes were introduced into the estimation of the independent population controls. For the first time, an explicit allowance for net undocumented immigration since April 1, 1980 (the census date) was added to the estimated level of legal immigration. In addition, an increase in the estimate of emigration of legal foreign-born residents has been incorporated into the postcensal population estimates since 1980. The nature and effect of these changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of *Employment and Earnings*.

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. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level 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 6 percent. It is known that the CPS undercoverage varies with age, sex, race and Hispanic origin. Generally, undercoverage is larger for men than for women, and larger for blacks, Hispanics and other

racers combined than for whites. Ratio estimation to independent age-sex-race-origin 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-origin 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 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 error 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 are 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 are 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 (1985 annual averages).

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 table 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.



**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 (consecutive months only)
Total, 16 years and over:		
Civilian labor force	244	187
Employed	263	200
Unemployed	131	134
Men, 20 years and over:		
Civilian labor force	148	127
Employed	162	141
Unemployed	89	91
Women, 20 years and over:		
Civilian labor force	189	140
Employed	190	144
Unemployed	82	85
Both sexes, 16 to 19 years:		
Civilian labor force	83	91
Employed	86	97
Unemployed	57	63
Black, 16 years and over:		
Civilian labor force	82	63
Employed	92	70
Unemployed	65	67
Men, 20 years and over:		
Civilian labor force	49	43
Employed	56	50
Unemployed	43	46
Women, 20 years and over:		
Civilian labor force	67	44
Employed	67	48
Unemployed	43	46
Both sexes, 16 to 19 years:		
Civilian labor force	33	37
Employed	30	34
Unemployed	30	32

*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 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.

**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)	0.11	0.12	<b>Occupation—Continued</b>		
Men, 20 years and over	.15	.15	Precision production, craft, and repair	0.32	0.35
Women, 20 years and over	.17	.18	Machine operators, assemblers, and inspectors	.50	.57
Both sexes, 16 to 19 years	.65	.77	Transportation and material moving	.57	.64
White workers	.11	.12	Handlers, equipment cleaners, helpers, and laborers	.70	.80
Black workers	.52	.54	Farming, forestry, and fishing	.65	.73
Married men, spouse present	.15	.16	<b>Industry</b>		
Married women, spouse present	.21	.23	Nonagricultural private wage and salary workers	.13	.14
Full-time workers	.12	.12	Mining	1.37	1.56
Part-time workers	.34	.42	Construction	.65	.74
Unemployed 15 weeks and over	.06	.08	Manufacturing	.27	.30
<b>Occupation</b>			Durable goods	.34	.38
Executive, administrative, and managerial	.21	.24	Nondurable goods	.42	.48
Professional specialty	.18	.20	Transportation, communications, and public utilities	.41	.46
Technicians and related support	.49	.55	Wholesale and retail trade	.26	.29
Sales	.29	.32	Finance and services	.20	.22
Administrative support, including clerical	.24	.26	Government workers	.18	.19
Private household	1.07	1.20	Agricultural wage and salary workers	1.22	1.40
Protective service	.67	.76			
Service, except private household and protective	.38	.43			

**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.

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

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

*Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages.* The approximate standard errors of levels, rates, and percentages involving year-to-year change of

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

*Illustration.* Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two

estimates, 6.5 percent with a base of 94,965,000, is obtained from table F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by  $0.12 \times 1.40 = 0.17$  percentage point.

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

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

Where X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same

respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

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

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

or about 259,000.

**Table 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	46
1,500 .....	59	66	63	59	66	66	59	59	56
2,000 .....	68	76	72	68	76	76	65	88	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 and 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.

*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*.

### 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, vacation, 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* cover hours worked by production or related workers for which overtime premiums were

paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which included 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 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.

*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 hours aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hours aggregates are the sum of the component aggregates.

*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.

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.

*Average hourly 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 hourly earnings, including lump-sum wage payments.* This series is compiled only for aircraft manufacturing, SIC 3721. The same concepts and estimation methods apply to this series as apply to the average hourly earnings series described above; the one difference between the two series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

*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. 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.

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

number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

*Average weekly earnings.* These 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 the 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-time 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.

*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).

## 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

**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 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.

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 1985 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 97 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 1985 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.

**Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1985**

Industry	Benchmark	Estimate	Percent difference
Total . . . . .	96,042,000	96,045,000	( <sup>1</sup> )
Mining . . . . .	933,000	962,000	-3.1
Construction . . . . .	4,241,000	4,180,000	1.4
Manufacturing . . . . .	19,295,000	19,399,000	-5
Transportation and public utilities . . . . .	5,155,000	5,205,000	-1.0
Wholesale trade . . . . .	5,654,000	5,681,000	-5
Retail trade . . . . .	16,782,000	16,818,000	-2
Finance, insurance, and real estate . . . . .	5,825,000	5,796,000	.5
Services . . . . .	21,561,000	21,536,000	.1
Government . . . . .	16,596,000	16,468,000	.8

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

## THE SAMPLE

### Design

The sampling plan used in the Current Employment Statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a larger 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

**Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1985<sup>1</sup>**

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	243,000	38,173,000	40
Mining	3,600	374,000	40
Construction	22,500	858,000	20
Manufacturing	52,000	10,654,000	55
Transportation and public utilities	11,500	2,409,000	47
Wholesale trade	22,300	1,042,000	18
Retail trade	42,400	3,319,000	20
Finance, insurance, and real estate	17,100	2,091,000	36
Services	48,500	5,267,000	24
Government:			
Federal <sup>2</sup>	5,100	2,839,000	100
State	3,800	3,087,000	79
Local	14,200	6,233,000	63

<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 5,100 reports covering about 64 percent of employment in Federal establishments.

census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may accumulate 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	.3	0.1	0.2
Mining	2.9	1.0	1.3
Construction	1.6	.2	.5
Manufacturing	.6	.1	.2
Durable goods	.7	.1	.3
Nondurable goods	.6	.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	.3	.2	.4
Services	.2	.4	.6
Government <sup>3</sup>	.4	-	-

<sup>1</sup> The average percent revision in employment for the 1981-85 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 error <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 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.

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

Industry	Root-mean-squar error of-		Industry	Root-mean-squar error of-	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Total	110,000	101,100	Nondurable goods—Continued		
Total private <sup>1</sup>	63,100	56,800	Chemicals and allied products	2,500	2,400
Goods-producing	35,200	29,400	Petroleum and coal products	1,700	1,600
Mining	5,500	5,300	Rubber and misc. plastics products	2,300	2,200
Oil and gas extraction <sup>1</sup>	4,600	4,300	Leather and leather products	2,800	2,600
Construction	18,300	13,500	Service-producing industries	98,200	94,000
General building contractors <sup>1</sup>	7,900	5,400	Transportation and public utilities	14,700	14,200
Manufacturing	28,700	27,200	Transportation <sup>1</sup>	18,400	17,800
Durable goods	22,100	20,200	Communication and public utilities <sup>1</sup>	5,200	4,800
Lumber and wood products	3,800	3,200	Wholesale trade <sup>1</sup>	8,500	7,800
Furniture and fixtures	3,000	2,400	Durable goods <sup>1</sup>	5,600	5,100
Stone, clay, and glass products	2,300	2,100	Nondurable goods <sup>1</sup>	5,000	4,500
Primary metal industries	6,100	5,900	Retail trade <sup>1</sup>	33,700	32,400
Blast furnaces and basic steel products <sup>1</sup>	5,000	4,900	General merchandise stores <sup>1</sup>	19,700	19,000
Fabricated metal products	4,600	3,900	Food stores <sup>1</sup>	6,500	5,800
Machinery, except electrical	8,700	7,800	Automotive dealers and service stations <sup>1</sup>	3,300	2,900
Electrical and electronic equipment	6,200	6,400	Eating and drinking places <sup>1</sup>	19,200	17,100
Transportation equipment	13,200	11,800	Finance, insurance, and real estate	8,600	7,300
Motor vehicles and equipment <sup>1</sup>	10,000	10,200	Finance <sup>1</sup>	4,200	3,600
Instruments and related products	2,200	2,100	Insurance <sup>1</sup>	2,800	2,200
Miscellaneous manufacturing	2,000	2,000	Real estate <sup>1</sup>	5,000	4,100
Nondurable goods	11,800	11,700	Services	32,200	27,900
Food and kindred products	8,500	8,600	Business services <sup>1</sup>	12,900	10,800
Tobacco manufactures	1,600	1,500	Health services <sup>1</sup>	10,500	10,200
Textile mill products	2,700	2,700	Government	72,400	66,100
Apparel and other textile products	6,500	6,100	Federal	18,200	15,100
Paper and allied products	1,900	1,700	State <sup>1</sup>	26,200	24,700
Printing and publishing	2,400	2,500	Local <sup>1</sup>	38,800	35,900

<sup>1</sup> Data are based on differences from January 1981 through December 1985; all other data reflect differences from January 1980 through December 1985.

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

*Real compensation per hour* is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index 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 households and institutions, owner-occupied housing, and the 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 11 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, North Carolina, 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 39 States, the 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 unemployment insurance (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 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 39 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 11 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 39 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 11 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 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 adjust 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 month 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, new seasonal adjustment factors to be used to calculate



the civilian unemployment rate for the first 6 months of the following year, and a description of the current seasonal adjustment methodology are published in each January issue of *Employment and Earnings*. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

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 1986 and projected data through March 1987. 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 nonsuper-

visory 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, however.

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 1986. Seasonal adjustment factors to be used for current adjustment appear in the June 1986 issue of *Employment and Earnings*.

# U.S. Department of Labor Bureau of Labor Statistics

REGION I - BOSTON John Fitzgerald Kennedy Federal Building Suite 1603 Boston, Mass. 02203	REGION II - NEW YORK Suite 3400 1515 Broadway New York, N.Y. 10036	REGION III - PHILADELPHIA 3535 Market Street P.O. Box 13309 Philadelphia, Pa. 19101	REGION IV - ATLANTA Suite 540 1371 Peachtree Street, NE. Atlanta, Ga. 30367
REGION V - CHICAGO 9th Floor 230 S. Dearborn Street Chicago, Ill. 60604	REGION VI - DALLAS Room 221 525 Griffin Street Dallas, Tex. 75202	REGIONS VII and VIII - KANSAS CITY 15th Floor 911 Walnut Street Kansas City, Mo. 64106	REGIONS IX and X - SAN FRANCISCO 450 Golden Gate Avenue Box 36017 San Francisco, Calif. 94102

## COOPERATING STATE AGENCIES

### *Current Employment Statistics Program (CES), and State and Local Area Unemployment Statistics Program (LAUS)*

BLS Region	
IV ALABAMA	-Research and Statistics Div., Depart. of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 25501, Juneau 99802
IX ARIZONA	-Department of Economic Security, 733-A, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, State Capitol Mall, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Data and Research Div., Employment Development Depart., P.O. Box 1679, Sacramento 95808.
VIII COLORADO	-Division of Employment and Training, 1330 Fox Street, Denver 80204
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, P.O. Box 9029, Newark 19711
III DIST. OF COL.	-Division of Labor Market Information, Research and Analysis, Department of Employment Services, 500 C Street N.W., Room 411, Washington 20001
IV FLORIDA	-Bureau of Research and Information, Depart. of Labor and Employment Security, 2574 Seagate Drive, Tallahassee 32301
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, 830 Punchbowl Street, Room 304, Honolulu 96813
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83735
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Avenue, 12th Floor, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department for Employment Services, Cabinet for Human Resources, 275 E. Main Street, Frankfort 40621
VI LOUISIANA	-Department of Labor, P.O. Box 44094, Capitol Station, Baton Rouge 70804
I MAINE	-Division of Research and Analysis, Department of Labor, 20 Union Street, Augusta 04330
III MARYLAND	-Research and Analysis Division, Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114
V MICHIGAN	-Research and Statistics Division, Employment Security Commission, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Jobs and Training, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Labor Market Information Department, Employment Security Commission, P.O. Box 1699, Jackson 39215-1699
VII MISSOURI	-Division of Employment Security, P.O. Box 59, Jefferson City 65104
VIII MONTANA	-Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
IX NEVADA	-Employment Security Department, 500 East Third Street, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Division of Planning and Research, Department of Labor, P.O. Box 2765, Trenton 08625
VI NEW MEXICO	-Employment Services Division, Employment Security Department, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, Department of Labor, State Campus, Building 12, Albany 12240
IV NORTH CAROLINA	-Labor Market Information Division, Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Job Service, P.O. Box 1537, Bismarck 58502
V OHIO	-Labor Market Information Division, Bureau of Employment Services, P.O. Box 1618, Columbus 43216
VI OKLAHOMA	-Research and Planning Division, Employment Security Commission, 310 Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, 875 Union Street N.E., Salem 97311
III PENNSYLVANIA	-Research and Statistics Division, Department of Labor and Industry, 7th and Forster Streets, Harrisburg 17121
II PUERTO RICO	-Department of Labor and Human Resources, Bureau of Labor Statistics, 505 Munoz Rivera Ave., 17th Fl., Hato Rey 00918 (CES). Bureau of Employment Security, 505 Munoz Rivera Ave., 15th Fl., Hato Rey 00918 (LAUS)
I RHODE ISLAND	-Department of Employment Security, 24 Mason Street, Providence 02903
IV SOUTH CAROLINA	-Employment Security Commission, P. O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Cordell Hull Office Building, Room 519, Nashville 37219
VI TEXAS	-Employment Commission, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment and Training, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Analysis, Employment Commission, P.O. Box 1358, Richmond 23211
II VIRGIN ISLANDS	-Bureau of Labor Statistics, Department of Labor, P.O. Box 818, St. Thomas 00801
X WASHINGTON	-Employment Security Department, 212 Maple Park, Olympia 98504
III WEST VIRGINIA	-Division of Labor and Economic Security, Depart. of Employment Security, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82602