



EMPLOYMENT AND EARNINGS

August 1984

U.S. Department of Labor
Bureau of Labor Statistics





U.S. DEPARTMENT OF LABOR

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

Employment and Earnings may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Subscription price per year \$39 domestic and \$48.75 foreign. Single copy \$6 domestic and \$7.50 foreign. Annual supplement \$7.50 domestic and \$9.40 foreign. Prices are subject to change by the U.S. Government Printing Office. For ordering information call (202) 783-3238.

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

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ISSN 0013-6840

Calendar of Features

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

Household data

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

Establishment data

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

State and area labor force data

Annual averages	May
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¹ Issue varies. Latest revised data introduced June 1984.

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

Employment and Earnings

Vol. 31 No. 8 August 1984

Editors: Gloria Peterson Green, Rosalie K. Epstein

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Employment and Unemployment Developments, July 1984

Unemployment rose in July, returning to the May level, while the two major employment measures showed differing movements. The overall jobless rate, which includes the resident Armed Forces in the labor force base, was 7.4 percent, and the rate for civilian workers was 7.5 percent. Each measure rose four-tenths of a percentage point over the month, after identical declines in June.

Total civilian employment—as measured by the monthly survey of households—fell by 350,000 in July after seasonal adjustment to 105.4 million. This first decline in the series in one and a half years followed 2 months of exceptionally large increases. In contrast, the number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—rose by 300,000 over the month, continuing the steady growth that has occurred since early 1983. Despite these differing directions in July, the household series shows employment growth of 6.4 million over the course of the recovery, compared with job gains of 5.7 million in the payroll series.

Unemployment

The number of unemployed persons increased to 8.5 million from June to July after seasonal adjustment, and the civilian worker unemployment rate rose to 7.5 percent; both figures returned to the levels posted in May. Since November 1982, the number of unemployed persons has declined by 3.3 million, and the jobless rate has dropped by 3.2 percentage points. (See table A-33.)

The July increase occurred primarily among adult women, whose jobless rate returned to the level that had essentially prevailed between February and May. The rate for adult men edged up to 6.5 percent, the same as in May, but was still below the rates posted earlier this year. Unemployment increased among both white and black workers. While the rate for white teenagers changed little, the rate for black youth, which is subject to wide fluctuation, rose by 8 percentage points in July to 42.4 percent; it had declined by a similar magnitude in June. (See tables A-33 and A-34.)

Most of the July increase took place among workers who had lost their jobs. There was little or no over-the-month change in either the number of persons who were on layoff (expecting to be recalled to their job), had left their job voluntarily, or were entering or reentering the

labor force. The number of short-term (less than 5 weeks) and medium-term (5 to 14 weeks) jobless workers rose in July, while the number of long-term unemployed (15 weeks and over) was about unchanged. (See tables A-40 and A-41.)

Civilian employment and the labor force

Civilian employment fell by 355,000 over the month to 105.4 million, seasonally adjusted, after rising by 1.3 million in the prior 2 months. Civilian employment was 6.4 million above the November 1982 recession trough. (See table A-33.)

The civilian labor force was 113.9 million in July, unchanged from June. The proportion of the civilian working-age population in the labor force was 64.6 percent, the same as in the previous 2 months. Over the year, the labor force grew by 2.2 million, and the participation rate was up by about half a percentage point.

Industry payroll employment

Nonfarm payroll employment rose by 300,000 in July to 94.4 million, seasonally adjusted. The growth in employment was widespread, as two-thirds of the 185 industries in the BLS index of diffusion registered over-the-month gains. (See tables B-4 and B-7.)

Manufacturing employment continued its expansion in July with an increase of 105,000. Advances took place in both the durable and nondurable goods industries. Within durable goods, employment increased markedly in fabricated metal products, machinery, and electrical and electronic equipment. The employment rise in nondurable goods manufacturing—the first since April—reflected an increase in apparel and small gains in several other industries. Elsewhere in the goods-producing sector, employment in construction increased by 30,000, following an even larger gain in the previous month, and mining employment was unchanged.

In the service-producing sector, there were employment increases in transportation and public utilities, wholesale trade of durable goods, and the business and health services industries. The increase in health services reflects, in part, the settlement of a nurses' strike.

Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls in

July—35.3 hours, seasonally adjusted—was unchanged for the third month in a row. Similarly, average weekly and overtime hours in manufacturing, at 40.6 and 3.4 hours, respectively, were both about the same as in the prior 2 months. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose by 0.3 percent in July to 112.9 (1977 = 100), reflecting the rise in employment. The manufacturing index increased 0.8 percent to 96.8. (See table C-6.)

Hourly and weekly earnings

Average hourly and weekly earnings both increased 0.5 percent in July, seasonally adjusted. Prior to seasonal adjustment, average hourly earnings rose 4 cents to \$8.34, and weekly earnings increased \$3.09 to

\$297.74. Over the past year, hourly earnings have risen 33 cents and weekly earnings \$14.99. (See tables C-1 and C-7.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 161.1 (1977 = 100) in July, seasonally adjusted, an increase of 0.5 percent from June. For the 12 months ended in July, the increase (before seasonal adjustment) was 3.5 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing, and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.3 percent during the 12-month period ended in June. (See table C-7.)

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian		Number	Percent of labor force		
					Total	Agriculture	Nonagricultural industries				
Annual averages											
1951	106,764	64,160	60.1	62,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604
1952	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093
1953 ¹	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041
1954	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678
1955	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
Monthly data, seasonally adjusted ²											
1983:											
July	175,970	113,489	64.5	102,889	1,664	101,225	3,499	97,726	10,600	9.3	62,481
August	176,122	113,799	64.6	103,166	1,682	101,484	3,449	98,035	10,633	9.3	62,323
September	176,297	113,924	64.6	103,571	1,695	101,876	3,308	98,568	10,353	9.1	62,373
October	176,474	113,561	64.3	103,665	1,695	101,970	3,240	98,730	9,896	8.7	62,913
November	176,636	113,720	64.4	104,291	1,685	102,606	3,257	99,349	9,429	8.3	62,916
December	176,809	113,824	64.4	104,629	1,688	102,941	3,356	99,585	9,195	8.1	62,985
1984:											
January	177,219	113,901	64.3	104,876	1,686	103,190	3,271	99,918	9,026	7.9	63,318
February	177,363	114,377	64.5	105,576	1,684	103,892	3,395	100,496	8,801	7.7	62,986
March	177,510	114,598	64.6	105,826	1,686	104,140	3,281	100,859	8,772	7.7	62,912
April	177,662	114,938	64.7	106,095	1,693	104,402	3,393	101,009	8,843	7.7	62,724
May	177,813	115,493	65.0	106,978	1,690	105,288	3,389	101,899	8,514	7.4	62,320
June	177,974	115,567	64.9	107,438	1,690	105,748	3,403	102,344	8,130	7.0	62,407
July	178,138	115,636	64.9	107,093	1,698	105,395	3,345	102,050	8,543	7.4	62,503

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

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

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

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

(Numbers in thousands)

Sex, year, and month	Noninsti- tutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian		Number	Percent of labor force		
						Total	Agriculture			Nonagricultural industries	
Annual averages											
MEN											
1973 ¹	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,667
1974	72,466	57,397	79.2	54,682	1,658	53,024	2,919	50,105	2,714	4.7	15,069
1975	73,891	57,899	78.4	53,457	1,600	51,857	2,824	49,032	4,442	7.7	15,993
1976	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	16,956
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484
Monthly data, seasonally adjusted ²											
1983:											
July	84,099	64,840	77.1	58,592	1,521	57,071	2,812	54,259	6,248	9.6	19,259
August	84,173	64,807	77.0	58,607	1,538	57,069	2,762	54,307	6,200	9.6	19,366
September	84,261	64,877	77.0	58,828	1,549	57,279	2,676	54,603	6,049	9.3	19,384
October	84,344	64,709	76.7	58,950	1,543	57,407	2,595	54,812	5,759	8.9	19,635
November	84,423	64,846	76.8	59,389	1,534	57,855	2,575	55,280	5,457	8.4	19,577
December	84,506	64,838	76.7	59,580	1,537	58,043	2,650	55,393	5,258	8.1	19,668
1984:											
January	84,745	64,930	76.6	59,781	1,542	58,239	2,605	55,635	5,149	7.9	19,815
February	84,811	65,093	76.8	60,147	1,540	58,607	2,697	55,910	4,946	7.6	19,718
March	84,880	65,156	76.8	60,290	1,542	58,748	2,636	56,112	4,867	7.5	19,724
April	84,953	65,212	76.8	60,293	1,548	58,745	2,720	56,026	4,919	7.5	19,741
May	85,024	65,307	76.8	60,629	1,545	59,084	2,723	56,361	4,678	7.2	19,717
June	85,101	65,452	76.9	60,923	1,545	59,378	2,710	56,668	4,529	6.9	19,649
July	85,179	65,362	76.7	60,607	1,551	59,056	2,705	56,351	4,756	7.3	19,817
Annual averages											
WOMEN											
1973 ¹	77,853	34,853	44.8	32,764	49	32,715	622	32,093	2,089	6.0	43,000
1974	79,375	36,274	45.7	33,832	63	33,769	596	33,173	2,441	6.7	43,101
1975	80,938	37,553	46.4	34,067	78	33,989	584	33,404	3,486	9.3	43,386
1976	82,476	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.6	43,406
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181
Monthly data, seasonally adjusted ²											
1983:											
July	91,871	48,649	53.0	44,297	143	44,154	687	43,467	4,352	8.9	43,222
August	91,949	48,992	53.3	44,559	144	44,415	687	43,728	4,433	9.0	42,957
September	92,036	49,047	53.3	44,743	146	44,597	632	43,965	4,304	8.8	42,989
October	92,129	48,852	53.0	44,715	152	44,563	645	43,918	4,137	8.5	43,277
November	92,214	48,874	53.0	44,902	151	44,751	682	44,069	3,972	8.1	43,340
December	92,302	48,986	53.1	45,049	151	44,898	706	44,192	3,937	8.0	43,316
1984:											
January	92,474	48,971	53.0	45,094	144	44,950	667	44,284	3,876	7.9	43,503
February	92,552	49,283	53.2	45,429	144	45,285	698	44,587	3,855	7.8	43,269
March	92,630	49,442	53.4	45,536	144	45,392	646	44,747	3,905	7.9	43,188
April	92,709	49,725	53.6	45,802	145	45,657	673	44,983	3,924	7.9	42,984
May	92,789	50,186	54.1	46,350	145	46,205	666	45,538	3,836	7.6	42,603
June	92,873	50,115	54.0	46,515	145	46,370	693	45,676	3,600	7.2	42,758
July	92,958	50,273	54.1	46,486	147	46,339	641	45,699	3,787	7.5	42,685

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.² The population and Armed Forces figures are not adjusted for seasonal variation.

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
	Annual averages							
1951	104,621	62,017	59.2	59,961	2,055	3.3	2.8	4.4
1952	105,231	62,138	59.0	60,250	1,883	3.0	2.8	3.6
1953 ¹	107,056	63,015	58.9	61,179	1,834	2.9	2.8	3.3
1954	108,321	63,643	58.8	60,109	3,532	5.5	5.3	6.0
1955	109,683	65,023	59.3	62,170	2,852	4.4	4.2	4.9
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ¹	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
	Monthly data, seasonally adjusted ²							
1983:								
July	174,306	111,825	64.2	101,225	10,600	9.5	9.9	9.0
August	174,440	112,117	64.3	101,484	10,633	9.5	9.8	9.1
September	174,602	112,229	64.3	101,876	10,353	9.2	9.6	8.8
October	174,779	111,866	64.0	101,970	9,896	8.8	9.1	8.5
November	174,951	112,035	64.0	102,606	9,429	8.4	8.6	8.2
December	175,121	112,136	64.0	102,941	9,195	8.2	8.3	8.1
1984:								
January	175,533	112,215	63.9	103,190	9,026	8.0	8.1	7.9
February	175,679	112,693	64.1	103,892	8,801	7.8	7.8	7.8
March	175,824	112,912	64.2	104,140	8,772	7.8	7.7	7.9
April	175,969	113,245	64.4	104,402	8,843	7.8	7.7	7.9
May	176,123	113,803	64.6	105,288	8,514	7.5	7.3	7.7
June	176,284	113,877	64.6	105,748	8,130	7.1	7.1	7.2
July	176,440	113,938	64.6	105,395	8,543	7.5	7.5	7.6

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

Explanatory Notes.

² The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	July 1984										
	Civilian noninsti- tutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	176,440	116,198	65.9	107,484	8,714	7.5	60,242	31,769	2,229	2,826	23,418
16 to 19 years	14,683	10,111	68.9	8,323	1,788	17.7	4,572	655	769	22	3,126
16 to 17 years	7,169	4,249	59.3	3,415	834	19.6	2,920	259	400	8	2,253
18 to 19 years	7,514	5,863	78.0	4,908	954	16.3	1,652	396	369	14	872
20 to 24 years	20,702	16,893	81.6	15,069	1,824	10.8	3,808	1,874	765	78	1,091
25 to 54 years	92,555	74,441	80.4	69,963	4,478	6.0	18,115	13,402	658	897	3,158
25 to 34 years	40,030	32,732	81.8	30,370	2,362	7.2	7,298	5,419	463	228	1,187
25 to 29 years	20,917	17,160	82.0	15,812	1,347	7.8	3,757	2,733	317	104	603
30 to 34 years	19,114	15,572	81.5	14,557	1,015	6.5	3,541	2,686	147	124	584
35 to 44 years	30,306	24,747	81.7	23,456	1,291	5.2	5,558	4,220	145	264	930
35 to 39 years	16,774	13,721	81.8	12,949	771	5.6	3,053	2,331	93	127	487
40 to 44 years	13,531	11,027	81.5	10,507	520	4.7	2,504	1,872	52	136	445
45 to 54 years	22,220	16,961	76.3	16,137	825	4.9	5,259	3,763	51	406	1,039
45 to 49 years	11,315	8,943	79.0	8,463	479	5.4	2,372	1,762	43	163	404
50 to 54 years	10,906	8,019	73.5	7,674	345	4.3	2,888	2,001	8	243	636
55 to 64 years	22,057	11,859	53.8	11,314	545	4.6	10,198	5,631	23	727	3,816
55 to 59 years	11,283	7,193	63.8	6,850	343	4.8	4,090	2,520	18	358	1,193
60 to 64 years	10,774	4,666	43.3	4,464	202	4.3	6,108	3,111	5	369	2,623
65 years and over	26,441	2,893	10.9	2,815	78	2.7	23,548	10,206	13	1,101	12,229
65 to 69 years	8,976	1,621	18.1	1,583	38	2.3	7,355	3,205	7	232	3,913
70 years and over	17,465	1,272	7.3	1,233	41	3.2	16,193	7,002	6	869	8,316
Men											
16 years and over	83,628	65,655	78.5	60,982	4,674	7.1	17,973	438	1,026	1,643	14,866
16 to 19 years	7,360	5,314	72.2	4,320	994	18.7	2,045	18	374	15	1,639
16 to 17 years	3,641	2,265	62.2	1,795	470	20.7	1,376	12	198	7	1,159
18 to 19 years	3,719	3,049	82.0	2,525	525	17.2	669	6	176	8	480
20 to 24 years	10,116	9,104	90.0	8,141	963	10.6	1,012	17	365	49	580
25 to 54 years	45,077	42,460	94.2	40,113	2,348	5.5	2,617	133	281	641	1,563
25 to 34 years	19,611	18,625	95.0	17,361	1,264	6.8	986	45	206	167	568
25 to 29 years	10,260	9,694	94.5	8,974	719	7.4	566	24	145	84	312
30 to 34 years	9,352	8,931	95.5	8,386	545	6.1	420	21	61	82	256
35 to 44 years	14,744	14,044	95.2	13,342	702	5.0	701	54	60	187	399
35 to 39 years	8,167	7,801	95.5	7,381	420	5.4	366	37	40	96	193
40 to 44 years	6,577	6,243	94.9	5,961	282	4.5	334	17	20	90	207
45 to 54 years	10,722	9,791	91.3	9,410	381	3.9	931	33	15	288	595
45 to 49 years	5,486	5,117	93.3	4,902	214	4.2	369	18	15	113	223
50 to 54 years	5,237	4,675	89.3	4,508	167	3.6	562	15	-	175	372
55 to 64 years	10,287	7,021	68.3	6,689	332	4.7	3,265	65	5	483	2,712
55 to 59 years	5,316	4,263	80.2	4,046	217	5.1	1,053	29	6	245	773
60 to 64 years	4,971	2,758	55.5	2,643	115	4.2	2,213	37	-	238	1,938
65 years and over	10,789	1,756	16.3	1,719	36	2.1	9,033	205	-	455	8,373
65 to 69 years	4,000	945	23.6	923	22	2.3	3,055	66	-	117	2,873
70 years and over	6,789	811	11.9	797	15	1.8	5,978	139	1	338	5,500
Women											
16 years and over	92,811	50,542	54.5	46,502	4,040	8.0	42,269	31,331	1,203	1,182	8,552
16 to 19 years	7,323	4,797	65.5	4,003	794	16.5	2,527	637	395	7	1,487
16 to 17 years	3,528	1,984	56.2	1,619	364	18.4	1,544	247	202	1	1,094
18 to 19 years	3,796	2,813	74.1	2,384	430	15.3	982	390	193	6	393
20 to 24 years	10,586	7,790	73.6	6,928	861	11.1	2,797	1,857	400	29	511
25 to 54 years	47,478	31,981	67.4	29,850	2,131	6.7	15,498	13,269	377	256	1,595
25 to 34 years	20,419	14,107	69.1	13,010	1,098	7.8	6,312	5,374	257	61	619
25 to 29 years	10,657	7,466	70.1	6,838	628	8.4	3,191	2,709	172	20	291
30 to 34 years	9,762	6,641	68.0	6,171	470	7.1	3,121	2,685	86	42	328
35 to 44 years	15,561	10,703	68.8	10,114	589	5.5	4,858	4,165	84	77	531
35 to 39 years	8,607	5,920	68.8	5,568	351	5.9	2,687	2,310	53	31	294
40 to 44 years	6,954	4,784	68.8	4,546	238	5.0	2,170	1,855	32	46	238
45 to 54 years	11,498	7,170	62.4	6,727	443	6.2	4,329	3,730	36	118	445
45 to 49 years	5,829	3,826	65.6	3,561	265	6.9	2,003	1,744	28	50	181
50 to 54 years	5,669	3,344	59.0	3,166	178	5.3	2,326	1,986	8	68	264
55 to 64 years	11,770	4,838	41.1	4,625	213	4.4	6,932	5,566	18	245	1,104
55 to 59 years	5,967	2,930	49.1	2,804	126	4.3	3,037	2,492	13	113	420
60 to 64 years	5,803	1,908	32.9	1,821	86	4.5	3,895	3,074	5	131	685
65 years and over	15,653	1,137	7.3	1,095	42	3.7	14,515	10,001	12	646	3,855
65 to 69 years	4,976	676	13.6	660	16	2.4	4,300	3,139	7	115	1,040
70 years and over	10,676	461	4.3	436	26	5.5	10,215	6,863	5	531	2,816

**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	July 1984										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	152,286	100,488	66.0	94,257	6,231	6.2	51,798	27,921	1,502	2,217	20,158
16 to 19 years	12,091	8,655	71.6	7,428	1,228	14.2	3,435	460	495	15	2,465
16 to 17 years	5,887	3,626	61.6	3,022	603	16.8	2,261	188	249	5	1,819
18 to 19 years	6,204	5,029	81.1	4,405	624	12.4	1,175	272	246	11	646
20 to 24 years	17,358	14,466	83.3	13,245	1,222	8.4	2,891	1,489	539	65	798
25 to 54 years	79,297	64,101	80.8	60,826	3,274	5.1	15,196	11,592	439	676	2,490
25 to 34 years	33,867	27,889	82.3	26,227	1,662	6.0	5,978	4,627	304	179	869
25 to 29 years	17,691	14,670	82.9	13,718	952	6.5	3,021	2,302	207	81	431
30 to 34 years	16,176	13,219	81.7	12,509	709	5.4	2,957	2,325	98	98	438
35 to 44 years	26,115	21,372	81.8	20,381	992	4.6	4,743	3,694	107	192	751
35 to 39 years	14,407	11,799	81.9	11,206	593	7.4	2,607	2,079	67	94	385
40 to 44 years	11,709	9,574	81.8	9,175	399	4.2	2,135	1,646	40	97	366
45 to 54 years	19,315	14,840	76.8	14,218	621	4.2	4,475	3,272	28	305	869
45 to 49 years	9,780	7,769	79.4	7,399	371	4.8	2,010	1,516	22	129	349
50 to 54 years	9,535	7,070	74.1	6,819	250	5.2	2,465	1,785	6	176	521
55 to 64 years	19,630	10,624	54.1	10,183	441	4.2	9,006	5,033	20	580	3,373
55 to 59 years	10,001	6,423	64.2	6,143	280	4.4	3,578	2,241	14	295	1,028
60 to 64 years	9,629	4,201	43.6	4,040	161	3.8	5,428	2,792	6	285	2,345
65 years and over	23,911	2,641	11.0	2,576	66	2.5	21,270	9,347	8	882	11,033
65 to 69 years	8,117	1,466	18.1	1,434	33	2.3	6,652	2,920	7	186	3,539
70 years and over	15,794	1,175	7.4	1,142	34	2.9	14,619	6,427	2	696	7,494
Men											
16 years and over	72,698	57,520	79.1	54,164	3,355	5.8	15,178	342	717	1,286	12,834
16 to 19 years	6,079	4,552	74.9	3,853	699	15.4	1,527	7	245	10	1,264
16 to 17 years	3,003	1,935	64.4	1,583	352	18.2	1,068	4	133	4	927
18 to 19 years	3,076	2,617	85.1	2,270	347	13.2	459	3	112	6	337
20 to 24 years	8,553	7,820	91.4	7,187	634	8.1	732	13	272	44	403
25 to 54 years	39,082	37,138	95.0	35,424	1,713	4.6	1,945	95	194	481	1,174
25 to 34 years	16,811	16,123	95.9	15,232	891	5.5	688	32	143	133	380
25 to 29 years	8,788	8,399	95.6	7,891	508	6.0	389	14	108	62	205
30 to 34 years	8,023	7,724	96.3	7,341	383	5.0	299	18	36	71	175
35 to 44 years	12,847	12,343	96.1	11,807	537	4.3	504	35	44	128	297
35 to 39 years	7,095	6,839	96.4	6,524	315	4.6	256	24	28	65	138
40 to 44 years	5,753	5,505	95.7	5,283	222	4.0	248	11	16	62	159
45 to 54 years	9,424	8,671	92.0	8,385	286	3.3	753	28	7	220	497
45 to 49 years	4,794	4,501	93.9	4,334	167	3.7	292	16	7	85	185
50 to 54 years	4,630	4,170	90.1	4,051	118	2.8	460	12	-	135	313
55 to 64 years	9,214	6,392	69.4	6,112	280	4.4	2,822	47	6	384	2,384
55 to 59 years	4,750	3,869	81.5	3,685	185	4.8	881	23	6	191	662
60 to 64 years	4,464	2,523	56.5	2,428	95	3.8	1,941	25	1	193	1,722
65 years and over	9,770	1,617	16.6	1,588	29	1.8	8,153	179	-	367	7,608
65 to 69 years	3,641	863	23.7	845	18	2.0	2,779	60	-	97	2,623
70 years and over	6,129	754	12.3	743	12	1.6	5,375	119	-	270	4,985
Women											
16 years and over	79,588	42,968	54.0	40,093	2,876	6.7	36,620	27,579	785	931	7,324
16 to 19 years	6,012	4,103	68.3	3,574	529	12.9	1,909	453	250	5	1,201
16 to 17 years	2,884	1,691	58.6	1,439	251	14.9	1,193	183	116	1	892
18 to 19 years	3,128	2,413	77.1	2,135	278	11.5	716	270	134	4	308
20 to 24 years	8,805	6,646	75.5	6,058	588	8.8	2,159	1,476	268	20	395
25 to 54 years	40,215	26,963	67.0	25,402	1,561	5.8	13,251	11,497	245	195	1,316
25 to 34 years	17,056	11,765	69.0	10,995	771	6.5	5,290	4,595	160	46	489
25 to 29 years	8,903	6,271	70.4	5,827	444	7.1	2,632	2,288	99	19	226
30 to 34 years	8,153	5,495	67.4	5,168	326	5.9	2,658	2,307	62	27	263
35 to 44 years	13,268	9,029	68.1	8,574	455	5.0	4,238	3,658	63	64	453
35 to 39 years	7,312	4,960	67.8	4,682	278	5.6	2,351	2,037	39	29	247
40 to 44 years	5,956	4,069	68.3	3,892	177	4.4	1,887	1,621	24	35	207
45 to 54 years	9,891	6,169	62.4	5,833	336	5.4	3,723	3,244	21	85	372
45 to 49 years	4,986	3,268	65.6	3,065	204	6.2	1,718	1,494	15	44	164
50 to 54 years	4,905	2,900	59.1	2,768	132	4.5	2,005	1,750	6	41	208
55 to 64 years	10,416	4,232	40.6	4,070	161	3.8	6,184	4,986	14	196	988
55 to 59 years	5,251	2,554	48.6	2,459	95	3.7	2,697	2,218	9	104	365
60 to 64 years	5,165	1,678	32.5	1,612	66	3.9	3,487	2,768	5	92	623
65 years and over	14,141	1,024	7.2	988	36	3.5	13,117	9,168	9	515	3,425
65 to 69 years	4,476	603	13.5	589	15	2.4	3,873	2,860	7	89	916
70 years and over	9,665	421	4.4	399	22	5.2	9,244	6,308	2	426	2,509

**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	July 1984										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	19,360	12,536	64.8	10,334	2,202	17.6	6,824	3,075	524	554	2,672
16 to 19 years	2,156	1,228	57.0	723	505	41.1	928	176	226	7	519
16 to 17 years	1,051	520	49.5	312	208	39.9	531	63	130	3	335
18 to 19 years	1,105	708	64.1	411	297	42.0	397	113	96	3	184
20 to 24 years	2,787	2,050	73.6	1,504	546	26.6	737	342	149	8	238
25 to 54 years	10,258	8,038	78.4	6,988	1,050	13.1	2,220	1,329	143	206	542
25 to 34 years	4,797	3,825	79.7	3,206	619	16.2	972	569	101	47	255
25 to 29 years	2,570	2,016	78.4	1,658	360	17.9	554	324	70	23	137
30 to 34 years	2,226	1,809	81.3	1,549	260	14.4	417	245	30	24	118
35 to 44 years	3,173	2,546	80.2	2,289	257	10.1	627	394	24	64	145
35 to 39 years	1,765	1,437	81.4	1,292	146	10.2	328	205	17	31	74
40 to 44 years	1,408	1,109	78.8	997	111	10.0	300	189	6	33	71
45 to 54 years	2,288	1,667	72.9	1,493	174	10.5	621	366	18	95	142
45 to 49 years	1,192	929	77.9	835	93	10.0	263	179	15	32	37
50 to 54 years	1,097	739	67.4	657	82	11.1	358	187	3	64	105
55 to 64 years	1,977	1,001	50.6	912	89	8.9	976	482	3	128	363
55 to 59 years	1,046	621	59.4	571	50	8.0	424	235	4	53	133
60 to 64 years	931	379	40.7	341	39	10.2	552	247	-	76	230
65 years and over	2,182	219	10.0	207	12	5.6	1,963	746	3	205	1,010
65 to 69 years	735	137	18.6	132	5	3.6	598	232	-	41	324
70 years and over	1,448	82	5.7	75	7	8.5	1,366	513	3	164	686
Men											
16 years and over	8,659	6,405	74.0	5,239	1,166	18.2	2,254	78	207	322	1,647
16 to 19 years	1,053	636	60.4	380	257	40.3	416	10	108	5	293
16 to 17 years	522	273	52.4	172	102	37.2	248	7	60	3	179
18 to 19 years	531	363	68.3	208	155	42.7	168	3	49	1	114
20 to 24 years	1,295	1,091	84.3	788	303	27.7	204	4	52	2	146
25 to 54 years	4,595	4,070	88.6	3,516	554	13.6	525	27	48	150	301
25 to 34 years	2,169	1,952	90.0	1,623	329	16.9	216	12	31	33	141
25 to 29 years	1,167	1,041	89.2	850	192	18.4	126	11	15	22	78
30 to 34 years	1,001	911	91.0	773	138	15.1	90	1	15	11	63
35 to 44 years	1,414	1,259	89.1	1,116	143	11.3	155	10	11	52	82
35 to 39 years	789	709	89.9	621	89	12.5	80	4	9	29	37
40 to 44 years	625	550	88.0	496	54	9.8	75	6	1	23	45
45 to 54 years	1,012	859	84.8	777	82	9.6	154	5	6	65	78
45 to 49 years	530	472	89.1	431	40	8.6	58	2	6	26	24
50 to 54 years	483	387	80.2	345	42	10.8	96	3	-	39	54
55 to 64 years	857	492	57.4	447	45	9.1	365	14	-	81	270
55 to 59 years	453	312	68.9	286	26	8.3	141	5	-	43	93
60 to 64 years	404	180	44.5	161	19	10.4	225	10	-	39	177
65 years and over	859	116	13.5	108	8	6.5	744	23	-	84	637
65 to 69 years	307	72	23.4	68	4	(¹)	235	5	-	18	212
70 years and over	553	44	8.0	41	3	(¹)	509	18	-	66	425
Women											
16 years and over	10,701	6,131	57.3	5,095	1,036	16.9	4,570	2,997	317	231	1,025
16 to 19 years	1,103	592	53.7	343	248	42.0	512	166	118	2	226
16 to 17 years	529	247	46.6	141	106	42.9	283	56	70	-	156
18 to 19 years	574	345	60.1	203	142	41.3	229	110	47	2	70
20 to 24 years	1,492	959	64.3	716	243	25.3	533	338	97	6	92
25 to 54 years	5,663	3,968	70.1	3,472	496	12.5	1,695	1,302	95	56	241
25 to 34 years	2,628	1,873	71.3	1,584	289	15.4	755	557	70	14	114
25 to 29 years	1,403	975	69.5	808	168	17.2	428	313	55	1	59
30 to 34 years	1,225	898	73.3	776	122	13.6	327	244	15	13	55
35 to 44 years	1,759	1,287	73.1	1,172	114	8.9	473	384	13	12	63
35 to 39 years	976	728	74.6	671	57	7.8	248	201	8	2	37
40 to 44 years	783	559	71.3	501	57	10.3	225	183	5	10	26
45 to 54 years	1,276	808	63.4	716	92	11.4	467	361	12	30	64
45 to 49 years	662	457	69.0	404	53	11.5	205	177	9	6	13
50 to 54 years	614	352	57.3	312	40	11.3	262	184	3	25	51
55 to 64 years	1,120	509	45.4	465	44	8.6	611	468	4	47	93
55 to 59 years	593	309	52.2	285	24	7.7	284	231	4	10	40
60 to 64 years	527	200	37.9	180	20	10.0	327	237	-	37	53
65 years and over	1,323	103	7.8	98	5	4.6	1,219	723	3	121	373
65 to 69 years	428	65	15.2	64	1	(¹)	363	227	-	23	112
70 years and over	895	38	4.3	34	4	(¹)	857	495	3	98	261

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	July 1984								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	24,154	15,710	65.0	13,227	299	12,928	2,483	15.8	8,444
16 to 19 years	2,592	1,456	56.2	896	37	858	560	38.5	1,137
16 to 17 years	1,282	623	48.6	392	23	369	231	37.0	659
18 to 19 years	1,310	833	63.6	503	14	489	330	39.6	477
20 to 24 years	3,344	2,427	72.6	1,825	41	1,783	603	24.8	917
25 to 54 years	13,258	10,341	78.0	9,136	164	8,972	1,204	11.6	2,920
25 to 34 years	6,163	4,844	78.6	4,143	70	4,073	701	14.5	1,320
25 to 29 years	3,225	2,490	77.2	2,094	28	2,066	395	15.9	736
30 to 34 years	2,938	1,278	43.5	2,048	42	2,006	306	23.9	583
35 to 44 years	4,190	3,375	80.5	3,075	51	3,024	300	8.9	816
35 to 39 years	2,368	1,921	81.1	1,743	31	1,712	178	9.3	446
40 to 44 years	1,823	1,454	79.8	1,332	21	1,312	122	8.4	369
45 to 54 years	2,906	2,121	73.0	1,918	43	1,875	203	9.6	784
45 to 49 years	1,535	1,174	76.5	1,064	27	1,037	109	9.3	362
50 to 54 years	1,371	948	69.1	853	15	838	95	10.0	422
55 to 64 years	2,427	1,235	50.9	1,132	38	1,094	104	8.4	1,192
55 to 59 years	1,282	770	60.1	707	20	687	63	8.2	512
60 to 64 years	1,145	465	40.6	425	18	406	40	8.7	680
65 years and over	2,530	252	10.0	239	18	221	13	5.1	2,278
65 to 69 years	858	155	18.1	149	12	136	6	3.9	705
70 years and over	1,671	97	5.8	91	6	85	25	25.8	1,574
Men									
16 years and over	10,930	8,136	74.4	6,818	249	6,569	1,318	16.2	2,795
16 to 19 years	1,281	762	59.5	467	30	437	295	38.8	519
16 to 17 years	638	330	51.7	212	20	193	117	35.6	308
18 to 19 years	643	432	67.3	254	10	245	178	41.2	210
20 to 24 years	1,563	1,283	82.1	954	31	923	329	25.6	280
25 to 54 years	5,995	5,323	88.8	4,688	139	4,549	635	11.9	673
25 to 34 years	2,800	2,502	89.3	2,129	58	2,070	373	14.9	298
25 to 29 years	1,471	1,295	88.0	1,083	25	1,058	211	16.3	177
30 to 34 years	1,329	1,207	90.9	1,045	33	1,012	162	13.4	121
35 to 44 years	1,897	1,700	89.6	1,535	47	1,488	165	9.7	197
35 to 39 years	1,072	962	89.7	857	26	831	105	10.9	110
40 to 44 years	825	739	89.6	678	21	657	61	8.2	86
45 to 54 years	1,298	1,120	86.3	1,025	34	991	96	8.5	178
45 to 49 years	692	616	89.0	568	20	548	47	7.7	76
50 to 54 years	607	505	83.2	456	13	443	49	9.6	102
55 to 64 years	1,073	629	58.6	577	32	544	52	8.3	444
55 to 59 years	566	394	69.6	362	16	345	32	8.2	172
60 to 64 years	507	235	46.4	215	16	199	20	8.5	272
65 years and over	1,018	139	13.6	131	17	115	7	5.1	880
65 to 69 years	358	82	22.8	78	11	66	4	5.1	277
70 years and over	660	57	8.6	54	6	48	3	(¹)	603
Women									
16 years and over	13,223	7,574	57.3	6,410	50	6,360	1,165	15.4	5,649
16 to 19 years	1,312	694	52.9	429	8	421	265	38.2	618
16 to 17 years	644	293	45.5	180	3	177	113	38.6	351
18 to 19 years	668	401	60.0	249	4	245	152	37.9	267
20 to 24 years	1,781	1,144	64.2	870	10	860	274	23.9	638
25 to 54 years	7,263	5,018	69.1	4,448	25	4,423	569	11.3	2,247
25 to 34 years	3,363	2,342	69.6	2,015	12	2,003	327	14.0	1,021
25 to 29 years	1,754	1,195	68.1	1,011	3	1,008	184	15.4	559
30 to 34 years	1,609	1,147	71.3	1,003	9	994	144	12.5	462
35 to 44 years	2,293	1,674	73.0	1,540	4	1,536	134	8.0	619
35 to 39 years	1,296	959	74.0	886	5	881	73	7.6	336
40 to 44 years	998	715	71.6	654	-	655	61	8.5	283
45 to 54 years	1,607	1,001	62.3	893	9	884	108	10.7	606
45 to 49 years	843	558	66.1	496	7	489	62	11.0	286
50 to 54 years	764	443	58.1	397	2	395	46	10.4	320
55 to 64 years	1,355	607	44.8	555	6	549	51	8.5	748
55 to 59 years	716	376	52.5	345	3	342	31	8.2	340
60 to 64 years	639	230	36.0	210	2	207	20	8.8	408
65 years and over	1,512	113	7.5	108	1	107	6	5.0	1,398
65 to 69 years	500	73	14.5	71	1	70	2	(¹)	428
70 years and over	1,011	40	4.0	37	-	37	4	(¹)	971

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
TOTAL								
Civilian noninstitutional population	174,306	176,440	74,927	76,269	84,122	85,488	15,257	14,683
Civilian labor force	113,980	116,198	59,492	60,341	44,150	45,746	10,338	10,111
Percent of population	65.4	65.9	79.4	79.1	52.5	53.5	67.8	68.9
Employed	103,273	107,484	54,570	56,662	40,544	42,499	8,159	8,323
Agriculture	4,129	3,948	2,742	2,688	758	707	629	553
Nonagricultural industries	99,144	103,536	51,828	53,974	39,786	41,792	7,530	7,770
Unemployed	10,707	8,714	4,922	3,679	3,606	3,246	2,179	1,788
Unemployment rate	9.4	7.5	8.3	6.1	8.2	7.1	21.1	17.7
Not in labor force	60,326	60,242	15,435	15,928	39,972	39,742	4,919	4,572
White								
Civilian noninstitutional population	150,959	152,286	65,700	66,619	72,676	73,576	12,583	12,091
Civilian labor force	98,911	100,488	52,367	52,967	37,646	38,865	8,898	8,655
Percent of population	65.5	66.0	79.7	79.5	51.8	52.8	70.7	71.6
Employed	91,012	94,257	48,654	50,311	35,026	36,518	7,332	7,428
Agriculture	3,822	3,650	2,533	2,469	707	665	581	516
Nonagricultural industries	87,191	90,607	46,121	47,842	34,318	35,853	6,751	6,911
Unemployed	7,899	6,231	3,713	2,656	2,620	2,347	1,566	1,228
Unemployment rate	8.0	6.2	7.1	5.0	7.0	6.0	17.6	14.2
Not in labor force	52,048	51,798	13,333	13,652	35,031	34,711	3,685	3,435
Black								
Civilian noninstitutional population	18,942	19,360	7,369	7,606	9,348	9,598	2,225	2,156
Civilian labor force	12,186	12,536	5,661	5,769	5,331	5,539	1,194	1,228
Percent of population	64.3	64.8	76.8	75.8	57.0	57.7	53.7	57.0
Employed	9,717	10,334	4,614	4,860	4,450	4,751	653	723
Agriculture	225	229	158	159	28	40	39	30
Nonagricultural industries	9,492	10,105	4,457	4,700	4,422	4,712	614	693
Unemployed	2,469	2,202	1,046	909	881	788	542	505
Unemployment rate	20.3	17.6	18.5	15.8	16.5	14.2	45.3	41.1
Not in labor force	6,756	6,824	1,708	1,838	4,017	4,059	1,031	928

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and major activity	July 1984								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
TOTAL									
Civilian noninstitutional population	22,694	11,273	11,421	18,762	9,371	9,391	3,272	1,577	1,695
Civilian labor force	16,553	8,763	7,790	14,194	7,517	6,677	1,987	1,057	930
Percent of population	72.9	77.7	68.2	75.7	80.2	71.1	60.7	67.1	54.8
Employed	13,998	7,373	6,626	12,442	6,564	5,878	1,256	664	592
Agriculture	795	630	165	741	590	151	45	33	12
Nonagricultural industries	13,203	6,743	6,460	11,702	5,974	5,728	1,211	631	580
Unemployed	2,555	1,391	1,165	1,752	953	798	731	393	338
Looking for full-time work	1,844	1,024	820	1,251	679	572	551	315	236
Looking for part-time work	712	367	344	501	274	227	181	79	102
Percent of labor force	15.4	15.9	14.9	12.3	12.7	12.0	36.8	37.2	36.3
Not in labor force	6,141	2,510	3,631	4,568	1,854	2,715	1,285	519	766
Major activity: Going to school									
Civilian noninstitutional population	1,566	723	842	1,047	499	548	409	178	231
Civilian labor force	394	182	212	268	124	144	100	49	51
Percent of population	25.2	25.2	25.1	25.6	24.9	26.2	24.3	27.3	22.0
Employed	262	107	155	208	84	124	35	17	18
Agriculture	5	5	-	6	6	-	-	-	-
Nonagricultural industries	258	102	155	202	78	124	36	18	18
Unemployed	131	75	56	60	40	20	64	32	33
Looking for full-time work	45	26	18	20	11	9	25	15	10
Looking for part-time work	86	49	38	40	29	11	40	17	23
Percent of labor force	33.4	41.3	26.5	22.6	32.5	14.0	64.8	(¹)	(¹)
Not in labor force	1,172	541	631	779	375	405	310	130	180
Major activity: Other									
Civilian noninstitutional population	21,128	10,550	10,579	17,715	8,872	8,843	2,862	1,397	1,465
Civilian labor force	16,160	8,581	7,578	13,926	7,393	6,533	1,888	1,009	879
Percent of population	76.5	81.3	71.6	78.6	83.3	73.9	65.9	72.2	60.0
Employed	13,736	7,266	6,470	12,235	6,480	5,755	1,221	647	574
Agriculture	791	625	165	735	584	151	46	34	12
Nonagricultural industries	12,945	6,640	6,305	11,500	5,896	5,604	1,175	613	562
Unemployed	2,424	1,316	1,108	1,691	913	778	667	361	305
Looking for full-time work	1,799	997	802	1,231	668	563	526	300	226
Looking for part-time work	625	319	307	460	245	216	141	62	79
Percent of labor force	15.0	15.3	14.6	12.1	12.4	11.9	35.3	35.8	34.7
Not in labor force	4,969	1,969	3,000	3,789	1,479	2,310	975	389	586

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

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	July 1983	July 1984	Total		Employed		Unemployed			
			July 1983	July 1984	July 1983	July 1984	Number		Percent of labor force	
							July 1983	July 1984	July 1983	July 1984
VETERANS										
Total, 25 years and over	7,846	7,919	7,378	7,474	6,763	7,046	615	428	8.3	5.7
25 to 39 years	5,846	5,480	5,613	5,301	5,104	4,970	509	331	9.1	6.2
25 to 29 years	668	469	620	445	544	399	76	46	12.3	10.3
30 to 34 years	2,135	1,711	2,055	1,658	1,848	1,542	207	116	10.1	7.0
35 to 39 years	3,043	3,300	2,938	3,198	2,712	3,029	226	169	7.7	5.3
40 years and over	2,000	2,439	1,765	2,173	1,659	2,076	106	97	6.0	4.5
NONVETERANS										
Total, 25 to 39 years	20,053	21,152	18,943	20,026	17,350	18,816	1,593	1,210	8.4	6.0
25 to 29 years	8,713	8,973	8,176	8,466	7,408	7,907	768	559	9.4	6.6
30 to 34 years	6,808	7,419	6,469	7,060	5,967	6,653	502	407	7.8	5.8
35 to 39 years	4,532	4,760	4,298	4,500	3,975	4,256	323	244	7.5	5.4

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, and race	July 1984								
	Full-time labor force						Part-time labor force		
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Total, 16 years and over	102,112	88,191	6,543	7,378	7.2	14,086	12,750	1,336	9.5
16 to 19 years	7,091	4,132	1,780	1,178	16.6	3,020	2,411	610	20.2
16 to 17 years	2,505	1,178	901	426	17.0	1,744	1,336	408	23.4
18 to 19 years	4,586	2,954	879	752	16.4	1,277	1,075	202	15.8
20 years and over	95,021	84,059	4,763	6,200	6.5	11,065	10,339	726	6.6
20 to 24 years	15,094	12,077	1,379	1,638	10.9	1,800	1,613	186	10.3
25 years and over	79,927	71,981	3,385	4,562	5.7	9,266	8,726	540	5.8
25 to 54 years	68,080	61,135	2,901	4,044	5.9	6,361	5,927	434	6.8
55 years and over	11,847	10,846	484	518	4.4	2,905	2,800	106	3.6
Men, 16 years and over	61,570	54,401	3,026	4,143	6.7	4,086	3,555	531	13.0
16 to 19 years	3,926	2,420	839	667	17.0	1,388	1,061	328	23.6
20 years and over	57,644	51,981	2,188	3,476	6.0	2,697	2,494	203	7.5
20 to 24 years	8,465	6,939	639	887	10.5	638	563	76	11.8
25 years and over	49,179	45,041	1,548	2,589	5.3	2,058	1,931	128	6.2
25 to 54 years	41,589	38,012	1,328	2,249	5.4	871	773	99	11.4
55 years and over	7,590	7,029	220	340	4.5	1,187	1,158	29	2.4
Women, 16 years and over	40,542	33,789	3,517	3,236	8.0	10,000	9,196	805	8.0
16 to 19 years	3,165	1,712	942	512	16.2	1,632	1,350	282	17.3
20 years and over	37,377	32,078	2,575	2,724	7.3	8,368	7,846	522	6.2
20 to 24 years	6,628	5,137	740	751	11.3	1,161	1,051	111	9.5
25 years and over	30,749	26,941	1,834	1,973	6.4	7,208	6,795	412	5.7
25 to 54 years	26,491	23,124	1,572	1,795	6.8	5,490	5,154	335	6.1
55 years and over	4,258	3,817	263	178	4.2	1,718	1,641	77	4.5
White									
Men, 16 years and over	53,960	48,590	2,402	2,968	5.5	3,559	3,172	387	10.9
16 to 19 years	3,336	2,205	678	452	13.6	1,216	969	247	20.3
20 years and over	50,624	46,385	1,723	2,516	5.0	2,343	2,203	140	6.0
20 to 24 years	7,271	6,211	479	581	8.0	549	497	53	9.6
25 years and over	43,353	40,174	1,245	1,935	4.5	1,794	1,706	88	4.9
25 to 54 years	36,448	33,730	1,068	1,651	4.5	690	627	63	9.1
55 years and over	6,905	6,444	177	285	4.1	1,105	1,079	25	2.3
Women, 16 years and over	33,978	28,891	2,809	2,278	6.7	8,990	8,393	597	6.6
16 to 19 years	2,683	1,521	812	350	13.1	1,420	1,242	179	12.6
20 years and over	31,295	27,370	1,997	1,928	6.2	7,570	7,151	418	5.5
20 to 24 years	5,645	4,573	566	506	9.0	1,001	918	82	8.2
25 years and over	25,650	22,797	1,431	1,422	5.5	6,569	6,233	337	5.1
25 to 54 years	21,923	19,402	1,229	1,292	5.9	5,041	4,772	270	5.4
55 years and over	3,727	3,395	202	131	3.5	1,528	1,461	67	4.4
Black									
Men, 16 years and over	6,015	4,431	534	1,051	17.5	390	275	115	29.5
16 to 19 years	501	171	137	192	38.4	136	71	65	47.5
20 years and over	5,515	4,260	396	858	15.6	254	204	51	19.9
20 to 24 years	1,030	605	143	282	27.4	61	40	21	(²)
25 years and over	4,484	3,654	253	577	12.9	193	163	30	15.5
25 to 54 years	3,948	3,200	220	528	13.4	121	95	26	21.5
55 years and over	536	454	33	49	9.1	72	68	4	(²)
Women, 16 years and over	5,308	3,856	602	850	16.0	823	637	186	22.6
16 to 19 years	412	154	104	154	37.3	180	85	94	52.6
20 years and over	4,896	3,702	498	696	14.2	643	551	92	14.2
20 to 24 years	835	470	143	222	26.6	124	103	21	16.8
25 years and over	4,062	3,232	355	447	11.0	517	448	71	13.7
25 to 54 years	3,625	2,891	298	435	12.0	343	282	62	18.1
55 years and over	437	341	57	12	2.8	174	166	9	5.2

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

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

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

(Numbers in thousands)

Family relationship	July 1984									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over ¹	96,515	66.5	89,175	7,341	7.6	48,599	25,912	1,852	2,104	18,729
Husbands	39,322	79.0	37,707	1,615	4.1	10,429	179	101	959	9,190
With employed wife	22,308	92.0	21,466	842	3.8	1,947	70	52	307	1,519
With unemployed wife	1,345	90.3	1,177	168	12.5	144	9	2	59	74
With wife not in labor force	15,670	65.3	15,064	605	3.9	8,338	100	47	594	7,597
Wives	25,743	51.7	24,255	1,489	5.8	24,007	20,625	218	310	2,854
With employed husband	22,643	60.0	21,466	1,177	5.2	15,064	13,531	177	84	1,273
With unemployed husband	1,010	62.5	842	168	16.6	605	535	15	12	44
With husband not in labor force	2,091	20.0	1,947	144	6.9	8,338	6,560	26	214	1,538
Relatives in married-couple families	16,093	73.6	14,067	2,026	12.6	5,777	953	998	336	3,489
16 to 19 years	6,983	71.2	5,970	1,013	14.5	2,821	208	489	8	2,116
20 to 24 years	6,090	84.1	5,453	638	10.5	1,155	161	426	39	529
25 years and over	3,020	62.6	2,644	375	12.4	1,801	584	83	289	844
Women who maintain families	6,157	61.6	5,542	615	10.0	3,836	2,891	91	155	698
Relatives in families maintained by women	5,874	65.2	4,685	1,189	20.2	3,140	884	373	241	1,642
16 to 19 years	1,856	61.7	1,306	549	29.6	1,152	146	219	11	775
20 to 24 years	1,820	78.0	1,472	347	19.1	514	164	113	8	229
25 years and over	2,198	59.8	1,907	293	13.3	1,474	574	41	222	638
Men who maintain families	1,685	74.8	1,552	133	7.9	568	40	8	50	470
Relatives in families maintained by men	1,641	66.1	1,367	274	16.7	842	340	63	53	386
16 to 19 years	351	67.8	277	74	21.0	166	26	27	-	113
20 to 24 years	508	84.1	426	81	16.0	96	35	26	2	33
25 years and over	782	57.4	664	119	15.2	580	279	10	51	240

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

NOTE: Because of new estimation techniques introduced in January

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
Total, 16 years and over	6,097	4,674	9.4	7.1	4,610	4,040	9.4	8.0
Married, spouse present	2,366	1,742	5.8	4.2	1,846	1,610	7.2	6.0
Widowed, divorced, or separated	701	498	12.0	8.5	885	852	9.6	8.8
Single (never married)	3,030	2,435	16.5	13.0	1,879	1,578	13.5	11.1
White, 16 years and over	4,540	3,355	8.0	5.8	3,359	2,876	8.0	6.7
Married, spouse present	1,919	1,419	5.2	3.8	1,539	1,325	6.7	5.6
Widowed, divorced, or separated	520	337	10.8	7.0	605	564	8.2	7.3
Single (never married)	2,101	1,600	13.6	10.2	1,214	987	10.6	8.6
Black, 16 years and over	1,337	1,166	21.2	18.2	1,132	1,036	19.3	16.9
Married, spouse present	374	271	12.3	9.1	250	230	11.7	10.7
Widowed, divorced, or separated	153	150	17.1	16.7	246	258	15.4	14.8
Single (never married)	811	745	34.1	29.6	636	547	29.8	24.4
Total, 25 years and over	3,602	2,716	7.2	5.3	2,679	2,385	7.4	6.3
Married, spouse present	2,126	1,572	5.5	4.0	1,523	1,267	6.6	5.3
Widowed, divorced, or separated	663	462	12.0	8.3	782	772	9.0	8.4
Single (never married)	814	682	12.8	10.0	375	347	8.0	7.2
White, 25 years and over	2,755	2,023	6.2	4.5	1,987	1,759	6.4	5.5
Married, spouse present	1,705	1,287	4.9	3.7	1,274	1,046	6.2	4.9
Widowed, divorced, or separated	485	311	10.7	6.8	529	516	7.6	7.0
Single (never married)	565	423	10.6	7.5	184	197	5.1	5.3
Black, 25 years and over	730	606	15.9	13.0	608	545	13.7	11.9
Married, spouse present	355	241	12.2	8.5	201	176	10.2	9.0
Widowed, divorced, or separated	150	141	17.2	16.2	223	229	14.6	13.7
Single (never married)	226	224	27.6	22.7	183	140	19.8	14.7

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
Total, 16 years and over	10,707	8,714	9.4	7.5	9.4	7.1	9.4	8.0
Managerial and professional specialty	867	754	3.6	3.0	3.1	2.3	4.3	3.9
Executive, administrative, and managerial	389	327	3.5	2.7	3.1	2.3	4.3	3.5
Professional specialty	478	428	3.7	3.3	3.2	2.4	4.3	4.2
Technical, sales, and administrative support	2,138	1,664	6.3	4.8	5.4	3.9	6.8	5.2
Technicians and related support	156	95	4.7	2.8	5.6	2.6	3.8	3.1
Sales occupations	842	654	6.5	4.8	4.6	3.8	8.6	5.8
Administrative support, including clerical	1,140	915	6.4	5.1	6.7	4.7	6.4	5.2
Service occupations	1,657	1,466	10.5	9.2	10.2	8.9	10.7	9.4
Private household	85	83	7.8	7.4	(¹)	(¹)	7.7	7.4
Protective service	135	91	7.1	5.0	6.3	4.5	11.6	7.8
Service, except private household and protective	1,437	1,292	11.2	9.9	11.5	10.3	11.1	9.7
Precision production, craft, and repair	1,334	962	9.4	6.7	9.5	6.6	8.7	7.5
Mechanics and repairers	334	200	7.4	4.4	7.6	4.3	2.4	6.0
Construction trades	612	491	11.7	9.2	11.8	9.2	4.8	12.3
Other precision production, craft, and repair	388	270	8.8	6.0	8.4	5.6	10.1	7.2
Operators, fabricators, and laborers	2,718	2,088	14.1	10.8	13.9	9.8	14.6	13.6
Machine operators, assemblers, and inspectors	1,293	914	14.3	10.3	13.7	8.1	15.0	13.3
Transportation and material moving occupations	523	388	10.9	7.8	10.9	7.3	12.0	14.4
Handlers, equipment cleaners, helpers, and laborers	902	787	16.5	14.1	17.1	14.1	(¹)	(¹)
Construction laborers	165	183	18.9	17.6	19.0	17.1	14.9	38.4
Other handlers, equipment cleaners, helpers, and laborers	737	604	16.1	13.3	16.6	13.2	13.7	13.7
Farming, forestry, and fishing	379	283	7.4	6.0	7.1	5.9	8.5	6.4
No previous work experience	1,558	1,428	-	-	-	-	-	-
16 to 19 years	1,184	1,029	-	-	-	-	-	-
20 to 24 years	237	256	-	-	-	-	-	-
25 years and over	137	144	-	-	-	-	-	-

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
Total, 16 years and over	10,707	8,714	9.4	7.5	9.4	7.1	9.4	8.0
Nonagricultural private wage and salary workers	7,720	6,077	9.2	7.0	9.6	6.8	8.8	7.4
Mining	191	83	17.1	7.7	18.5	8.3	10.7	5.3
Construction	821	699	14.2	11.6	14.8	11.6	7.9	11.3
Manufacturing	2,317	1,639	10.6	7.3	10.2	6.2	11.4	9.5
Durable goods	1,485	908	11.6	6.8	11.4	6.5	12.0	7.6
Lumber and wood products	101	56	14.8	7.2	14.6	7.0	16.6	8.4
Furniture and fixtures	59	72	10.3	11.8	9.5	12.0	11.8	11.3
Stone, clay, and glass products	58	50	9.3	7.6	9.0	6.6	10.4	10.6
Primary metal industries	179	88	18.3	9.1	18.0	8.9	20.1	10.0
Fabricated metal products	222	156	15.8	11.1	15.0	11.6	19.0	9.5
Machinery, except electrical	345	147	12.8	5.2	13.1	4.6	11.9	7.3
Electrical machinery, equipment, and supplies	191	127	8.1	5.1	6.2	3.6	10.5	6.8
Transportation equipment	238	139	10.3	5.7	9.9	5.9	12.2	4.8
Automobiles	112	74	10.6	6.1	10.0	6.1	14.2	6.3
Other transportation equipment	127	65	10.0	5.2	9.8	5.7	10.7	3.7
Professional and photographic equipment	39	23	5.4	3.4	4.1	3.4	7.3	3.3
Other durable goods industries	52	49	10.6	10.6	10.0	7.0	11.5	15.1
Nondurable goods	832	731	9.2	8.1	8.0	5.7	10.8	11.3
Food and kindred products	218	197	11.2	10.0	9.1	6.9	15.6	16.8
Textile mill products	91	61	11.1	7.9	11.7	7.8	10.4	8.1
Apparel and other textile products	138	164	10.7	12.2	10.5	8.3	10.8	13.1
Paper and allied products	55	35	7.1	5.2	5.3	3.2	12.3	10.5
Printing and publishing	108	82	6.4	4.7	6.2	3.9	6.6	5.9
Chemicals and allied products	80	59	6.6	4.8	6.6	5.1	6.6	4.3
Rubber and miscellaneous plastics products	68	81	8.7	9.8	7.0	5.9	12.1	17.5
Other nondurable goods industries	75	54	13.4	11.0	11.5	7.8	16.2	15.5
Transportation and public utilities	363	317	6.3	5.3	7.2	5.1	4.1	5.7
Transportation	272	230	7.0	5.6	7.9	5.1	3.7	7.4
Communications and other public utilities	91	87	3.6	3.3	3.6	3.5	3.5	2.9
Wholesale and retail trade	2,046	1,679	9.6	7.6	8.7	6.7	10.5	8.6
Wholesale trade	336	189	7.7	4.6	7.1	4.1	9.3	6.0
Retail trade	1,710	1,489	10.0	8.3	9.3	7.6	10.7	8.9
Finance, insurance, and real estate	282	245	4.5	3.8	4.1	3.2	4.8	4.2
Service industries	1,699	1,415	7.9	6.3	8.1	6.5	7.7	6.3
Professional services	667	601	5.5	4.9	4.9	4.4	5.8	5.1
Other service industries	1,032	814	10.9	8.1	10.6	8.0	11.1	8.2
Agricultural wage and salary workers	263	235	11.3	10.9	10.8	10.8	13.2	11.2
Government, self-employed, and unpaid family workers	1,166	974	4.4	3.7	4.0	3.4	5.0	4.1
No previous work experience	1,558	1,428	-	-	-	-	-	-

**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	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
NUMBER OF UNEMPLOYED												
Total unemployed	10,707	8,714	4,922	3,679	3,606	3,246	2,179	1,788	7,899	6,231	2,469	2,202
Job losers	5,890	4,258	3,709	2,542	1,840	1,431	341	285	4,517	3,143	1,318	1,120
On layoff	1,609	1,091	989	582	549	430	71	79	1,342	870	237	197
Other job losers	4,281	3,167	2,720	1,960	1,291	1,001	270	206	3,175	2,273	1,082	923
Job leavers	767	880	318	310	354	446	95	124	624	735	20	14
Reentrants	2,492	2,154	747	653	1,187	1,150	558	350	1,715	1,476	677	583
New entrants	1,559	1,421	147	173	226	219	1,186	1,029	1,042	877	454	485
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	55.0	48.8	75.4	69.1	51.0	44.1	15.7	15.9	57.2	50.5	53.4	50.9
On layoff	15.0	12.5	20.1	15.8	15.2	13.3	3.3	4.4	17.0	14.0	9.6	8.9
Other job losers	40.0	36.3	55.3	53.3	35.8	30.8	12.4	11.5	40.2	36.5	43.8	41.9
Job leavers	7.2	10.1	6.5	8.4	9.8	13.7	4.3	7.0	7.9	11.8	.8	.6
Reentrants	23.3	24.7	15.2	17.8	32.9	35.4	25.6	19.6	21.7	23.7	27.4	26.5
New entrants	14.6	16.3	3.0	4.7	6.3	6.8	54.4	57.5	13.2	14.1	18.4	22.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	5.2	3.6	6.3	4.2	4.1	3.1	3.3	2.8	4.6	3.2	10.8	8.9
Job leavers7	.8	.5	.5	.8	1.0	.9	1.2	.6	.7	.2	.1
Reentrants	2.2	1.9	1.3	1.1	2.7	2.5	5.4	3.5	1.7	1.5	5.6	4.7
New entrants	1.4	1.2	.2	.3	.5	.5	11.5	10.2	1.1	.9	3.7	3.9

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	July 1984						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	8,714	100.0	41.8	30.4	27.8	9.4	18.5
Job losers	4,258	100.0	36.7	25.5	37.7	12.9	24.9
On layoff	1,091	100.0	53.8	22.9	23.3	7.5	15.8
Other job losers	3,167	100.0	30.8	26.4	42.7	14.7	28.0
Job leavers	880	100.0	48.5	29.1	22.3	8.4	13.9
Reentrants	2,154	100.0	47.2	32.9	19.9	6.0	13.9
New entrants	1,421	100.0	44.7	41.9	13.4	4.5	8.9
Men, 20 years and over	3,679	100.0	35.8	26.4	37.8	11.4	26.3
Job losers	2,542	100.0	33.9	24.7	41.4	12.6	28.8
On layoff	582	100.0	52.7	20.8	26.4	8.8	17.6
Other job losers	1,960	100.0	28.4	25.8	45.8	13.8	32.1
Job leavers	310	100.0	39.7	29.6	30.7	11.2	19.5
Reentrants	653	100.0	41.4	30.0	28.5	7.8	20.7
New entrants	173	100.0	34.6	33.5	31.9	7.8	24.1
Women, 20 years and over	3,246	100.0	44.0	28.8	27.2	10.4	16.8
Job losers	1,431	100.0	36.4	26.8	36.7	14.8	21.9
On layoff	430	100.0	50.4	26.1	23.5	7.4	16.1
Other job losers	1,001	100.0	30.5	27.1	42.4	18.0	24.4
Job leavers	446	100.0	51.3	27.3	21.4	7.5	13.9
Reentrants	1,150	100.0	50.8	30.7	18.5	6.2	12.4
New entrants	219	100.0	42.4	35.4	22.2	10.0	12.2
Both sexes, 16 to 19 years	1,788	100.0	50.2	41.3	8.4	3.1	5.3
Job losers	285	100.0	62.8	27.0	10.2	5.0	5.2
On layoff	79	100.0	79.0	20.9	-	-	-
Other job losers	206	100.0	56.2	29.3	14.5	7.4	7.0
Job leavers	124	100.0	60.5	34.5	5.0	4.7	.3
Reentrants	350	100.0	46.2	45.4	8.4	2.2	6.1
New entrants	1,029	100.0	46.8	44.8	8.4	2.8	5.6

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	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
Total, 16 years and over	10,707	8,714	100.0	100.0	9,279	7,378	100.0	100.0
Less than 5 weeks	3,708	3,642	34.6	41.8	2,996	2,894	32.3	39.2
5 to 14 weeks	3,046	2,649	28.4	30.4	2,545	2,210	27.4	30.0
5 to 10 weeks	2,420	2,077	22.6	23.8	1,983	1,708	21.4	23.1
11 to 14 weeks	625	572	5.8	6.6	562	502	6.1	6.8
15 weeks and over	3,953	2,423	36.9	27.8	3,738	2,274	40.3	30.8
15 to 26 weeks	1,318	815	12.3	9.4	1,222	765	13.2	10.4
27 weeks and over	2,636	1,608	24.6	18.5	2,516	1,509	27.1	20.5
27 to 51 weeks	1,139	592	10.6	6.8	1,078	553	11.6	7.5
52 weeks and over	1,496	1,016	14.0	11.7	1,438	956	15.5	13.0
Average (mean) duration, in weeks	20.0	17.0	-	-	21.5	18.4	-	-
Median duration, in weeks	8.8	6.5	-	-	9.9	7.3	-	-

**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		
	July 1984							July 1983	July 1984	July 1983	July 1984
Total, 16 years and over	8,714	3,642	2,649	815	1,608	17.0	6.5	34.6	41.8	36.9	27.8
16 to 19 years	1,788	898	739	56	94	8.0	5.0	45.4	50.2	13.4	8.4
20 to 24 years	1,824	769	570	226	258	14.7	6.6	37.2	42.2	31.7	26.6
25 to 34 years	2,362	964	640	242	516	19.1	7.0	32.9	40.8	43.6	32.1
35 to 44 years	1,291	475	312	148	357	23.4	9.0	27.0	36.8	48.7	39.1
45 to 54 years	825	332	214	78	201	20.8	8.3	25.6	40.2	51.4	33.8
55 to 64 years	545	178	147	59	161	23.5	10.8	28.4	32.6	54.8	40.4
65 years and over	78	26	25	5	21	21.6	8.7	41.5	33.4	26.5	34.0
Men, 16 years and over	4,674	1,803	1,383	462	1,026	19.8	7.4	30.5	38.6	42.6	31.8
16 to 19 years	994	486	409	42	57	8.5	5.1	44.9	48.9	15.8	9.9
20 to 24 years	963	371	298	128	166	16.9	7.7	31.1	38.6	35.9	30.5
25 to 34 years	1,264	466	347	119	333	22.2	8.3	27.0	36.8	51.7	35.7
35 to 44 years	702	241	134	89	238	29.0	13.1	22.5	34.3	55.1	46.6
45 to 54 years	381	131	85	46	119	26.9	12.1	24.0	34.4	56.4	43.3
55 to 64 years	332	99	92	40	101	24.9	12.0	25.9	29.8	59.2	42.4
65 years and over	36	9	17	-	12	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	4,040	1,839	1,266	353	582	13.8	5.8	40.1	45.5	29.5	23.1
16 to 19 years	794	412	330	15	37	7.4	4.8	46.0	51.9	10.5	6.5
20 to 24 years	861	398	273	99	92	12.2	5.7	45.9	46.2	25.6	22.2
25 to 34 years	1,098	499	293	123	183	15.6	6.0	41.0	45.4	32.7	27.9
35 to 44 years	589	234	178	59	119	16.8	6.9	32.8	39.7	40.6	30.1
45 to 54 years	443	200	129	32	81	15.6	6.2	27.7	45.2	45.0	25.6
55 to 64 years	213	78	55	19	60	21.4	9.0	32.4	36.9	48.0	37.2
65 years and over	42	18	8	6	10	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,231	2,628	1,933	619	1,051	16.0	6.4	34.3	42.2	37.0	26.8
Men	3,355	1,321	973	360	701	18.9	7.1	30.3	39.4	42.9	31.6
Women	2,876	1,306	960	258	351	12.7	5.7	39.7	45.4	29.0	21.2
Black, 16 years and over	2,202	881	642	171	508	19.9	6.0	35.4	40.0	37.3	30.8
Men	1,166	413	363	88	301	22.9	7.3	29.9	35.4	43.6	33.4
Women	1,036	468	279	82	206	16.5	5.0	41.8	45.2	29.8	27.8
Men, 16 years and over:											
Married, spouse present	1,742	622	430	198	491	23.5	9.7	25.7	35.7	54.3	39.6
Widowed, divorced, or separated	498	172	144	45	137	24.8	10.4	23.1	34.6	56.1	36.5
Single (never married)	2,435	1,009	809	219	399	16.1	6.3	36.0	41.4	30.3	25.4
Women, 16 years and over:											
Married, spouse present	1,610	790	423	164	234	13.8	5.2	37.7	49.1	34.5	24.7
Widowed, divorced, or separated	852	339	252	75	186	18.1	7.5	35.4	39.8	39.7	30.7
Single (never married)	1,578	710	592	114	162	11.5	5.6	44.6	45.0	19.7	17.5

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks	Unemployed 15 weeks and over		
	July 1984							July 1983	July 1984	July 1983	July 1984
OCCUPATION											
Managerial and professional specialty	754	272	270	71	141	15.9	7.4	33.4	36.1	37.7	28.1
Technical, sales, and administrative support	1,664	715	503	168	279	15.0	6.4	36.1	42.9	35.7	26.9
Service occupations	1,466	681	392	120	274	16.7	5.7	40.0	46.4	32.3	26.8
Precision production, craft, and repair	962	370	253	116	224	20.5	8.5	27.5	38.5	51.0	35.3
Operators, fabricators, and laborers	2,088	790	555	247	497	21.4	8.4	29.7	37.8	47.7	35.6
Farming, forestry, and fishing	283	155	61	16	50	15.8	4.5	38.4	55.0	22.8	23.5
INDUSTRY¹											
Agriculture	235	144	42	16	33	12.0	4.1	43.7	61.3	16.1	21.0
Construction	734	293	211	87	142	16.6	8.3	31.9	39.9	44.9	31.2
Manufacturing	1,647	605	369	216	458	24.7	9.4	26.6	36.7	52.5	40.9
Durable goods	911	332	181	127	270	26.6	10.0	22.9	36.5	58.6	43.6
Nondurable goods	737	273	188	88	188	22.4	8.7	33.4	37.0	41.6	37.5
Transportation and public utilities	358	131	94	49	84	20.1	9.6	28.8	36.7	51.8	37.0
Wholesale and retail trade	1,685	745	524	152	264	14.9	6.1	36.4	44.2	34.3	24.7
Finance and service industries	2,110	865	660	184	400	16.5	6.6	38.4	41.0	32.7	27.7
Public administration	254	98	84	25	46	16.9	7.7	29.2	38.5	40.9	28.2
No previous work experience	1,428	639	596	64	129	11.5	5.6	41.6	44.8	15.3	13.5

¹ Includes wage and salary workers only.

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

Sex, age, and race	July 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,714	7,506	25.0	6.4	75.6	34.5	19.1	4.2	1.65
16 to 19 years	1,788	1,696	19.2	3.0	81.7	26.2	17.9	1.7	1.50
20 to 24 years	1,824	1,665	26.5	7.5	77.4	34.7	17.1	3.5	1.67
25 to 34 years	2,362	1,944	26.1	7.8	71.8	39.1	20.0	4.2	1.69
35 to 44 years	1,291	1,084	30.4	8.2	74.2	37.1	19.2	4.4	1.74
45 to 54 years	825	661	25.9	5.9	74.0	35.4	23.6	6.5	1.71
55 to 64 years	545	395	23.8	6.3	67.6	39.7	20.5	10.9	1.69
65 years and over	78	62	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Men, 16 years and over	4,674	3,975	25.4	6.7	76.9	32.5	23.1	5.1	1.70
16 to 19 years	994	931	20.0	1.7	84.2	24.5	18.7	1.5	1.51
20 to 24 years	963	883	27.4	8.9	74.9	32.7	21.1	4.3	1.69
25 to 34 years	1,264	1,010	25.0	7.8	74.5	34.6	24.8	5.5	1.72
35 to 44 years	702	573	33.2	9.4	73.6	38.2	26.2	6.8	1.87
45 to 54 years	381	316	25.9	7.6	76.6	32.0	32.0	8.2	1.82
55 to 64 years	332	235	21.7	5.5	71.9	40.4	22.1	12.3	1.74 *
65 years and over	36	27	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	4,040	3,531	24.7	6.1	74.1	36.8	14.7	3.1	1.60
16 to 19 years	794	765	18.3	4.6	78.6	28.2	16.9	2.0	1.48
20 to 24 years	861	782	25.4	6.0	80.2	36.7	12.5	2.6	1.63
25 to 34 years	1,098	934	27.3	7.7	69.0	44.0	14.9	2.8	1.66
35 to 44 years	589	511	27.4	7.0	74.6	35.8	11.4	1.6	1.58
45 to 54 years	443	345	26.1	4.6	71.6	38.6	15.9	4.9	1.62
55 to 64 years	213	160	26.9	6.9	61.2	38.7	18.1	8.7	1.61
65 years and over	42	35	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,231	5,251	23.6	6.6	75.7	35.6	19.8	4.4	1.66
Men	3,355	2,793	24.8	7.3	76.9	33.7	24.1	5.4	1.72
Women	2,876	2,458	22.1	5.9	74.3	37.8	14.9	3.2	1.58
Black, 16 years and over	2,202	2,001	29.4	5.7	75.4	17.4	31.4	3.7	1.63
Men	1,166	1,042	28.0	5.2	77.3	20.5	28.4	4.6	1.64
Women	1,036	959	31.0	6.4	73.4	14.0	34.6	2.8	1.62

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

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

Sex and reason	July 1984								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,714	7,506	25.0	6.4	75.6	34.5	19.1	4.2	1.65
Job losers ¹	4,258	3,153	29.2	8.2	76.2	36.2	22.5	6.1	1.78
Job leavers	880	875	25.7	6.6	73.6	39.9	15.4	3.4	1.65
Reentrants	2,154	2,069	21.8	5.3	72.1	35.2	15.9	3.1	1.53
New entrants	1,421	1,409	20.0	4.0	80.6	26.5	18.7	1.8	1.52
Men, 16 years and over	4,674	3,975	25.4	6.7	76.9	32.5	23.1	5.1	1.70
Job losers ¹	2,740	2,101	28.2	8.3	76.2	32.8	26.4	6.9	1.79
Job leavers	377	372	29.8	5.4	72.0	41.7	16.9	4.0	1.70
Reentrants	851	801	20.7	6.5	74.9	34.8	20.8	3.7	1.62
New entrants	705	701	19.8	2.6	83.7	23.8	19.1	1.9	1.51
Women, 16 years and over	4,040	3,531	24.7	6.1	74.1	36.8	14.7	3.1	1.60
Job losers ¹	1,518	1,053	31.2	8.2	76.0	42.9	14.6	4.3	1.77
Job leavers	503	503	22.5	7.4	75.0	38.6	14.3	2.8	1.60
Reentrants	1,303	1,267	22.6	4.4	70.3	35.4	12.8	2.8	1.48
New entrants	716	708	20.2	5.4	77.5	29.1	18.2	1.8	1.52

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
All industries	103,273	107,484	58,950	60,982	44,323	46,502
16 to 19 years	8,159	8,323	4,380	4,320	3,779	4,003
16 to 17 years	3,270	3,415	1,800	1,795	1,470	1,619
18 to 19 years	4,889	4,908	2,580	2,525	2,309	2,384
20 to 24 years	14,672	15,069	7,888	8,141	6,783	6,928
25 to 54 years	66,298	69,963	38,160	40,113	28,138	29,850
25 to 34 years	28,711	30,370	16,396	17,361	12,315	13,010
35 to 44 years	21,798	23,456	12,529	13,342	9,268	10,114
45 to 54 years	15,790	16,137	9,235	9,410	6,554	6,727
55 to 64 years	11,235	11,314	6,704	6,689	4,531	4,625
55 to 59 years	6,833	6,850	4,102	4,046	2,731	2,804
60 to 64 years	4,401	4,464	2,602	2,643	1,800	1,821
65 years and over	2,910	2,815	1,818	1,719	1,092	1,095
Agriculture	4,129	3,948	3,231	3,109	898	839
16 to 19 years	629	553	489	421	139	132
16 to 17 years	327	291	249	223	78	69
18 to 19 years	302	262	240	199	61	63
20 to 24 years	566	538	454	456	113	82
25 to 54 years	2,084	2,040	1,588	1,540	496	500
25 to 34 years	907	857	719	684	188	172
35 to 44 years	612	631	453	454	160	177
45 to 54 years	565	552	417	401	148	151
55 to 64 years	544	528	426	443	118	85
55 to 59 years	295	277	230	224	65	53
60 to 64 years	249	250	196	219	53	32
65 years and over	306	289	274	249	32	40
Nonagricultural industries	99,144	103,536	55,719	57,872	43,425	45,663
16 to 19 years	7,530	7,770	3,891	3,899	3,640	3,871
16 to 17 years	2,943	3,123	1,551	1,573	1,392	1,551
18 to 19 years	4,588	4,647	2,340	2,326	2,248	2,321
20 to 24 years	14,105	14,531	7,435	7,685	6,671	6,846
25 to 54 years	64,214	67,922	36,572	38,572	27,642	29,350
25 to 34 years	27,804	29,513	15,677	16,676	12,127	12,837
35 to 44 years	21,185	22,825	12,076	12,888	9,109	9,937
45 to 54 years	15,225	15,585	8,818	9,009	6,406	6,576
55 to 64 years	10,691	10,787	6,278	6,246	4,412	4,541
55 to 59 years	6,538	6,573	3,872	3,822	2,666	2,751
60 to 64 years	4,152	4,214	2,406	2,424	1,746	1,790
65 years and over	2,604	2,526	1,544	1,471	1,060	1,055

**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	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
Total	103,273	107,484	58,950	60,982	54,570	56,662	44,323	46,502	40,544	42,499
Managerial and professional specialty	23,166	24,423	13,855	14,449	13,732	14,330	9,311	9,975	9,194	9,851
Executive, administrative, and managerial	10,740	11,744	7,299	7,804	7,258	7,756	3,441	3,939	3,414	3,905
Officials and administrators, public administration	518	478	331	305	331	302	187	174	188	174
Other executive, administrative, and managerial	7,276	8,110	5,182	5,729	5,146	5,686	2,094	2,380	2,069	2,348
Management-related occupations	2,946	3,156	1,787	1,771	1,781	1,768	1,160	1,385	1,157	1,383
Professional specialty	12,425	12,679	6,556	6,644	6,474	6,574	5,870	6,035	5,780	5,946
Engineers	1,666	1,688	1,579	1,591	1,574	1,586	87	97	87	95
Mathematical and computer scientists	484	489	320	341	320	337	164	148	164	149
Natural scientists	362	351	283	278	283	277	79	72	77	72
Health diagnosing occupations	714	800	648	686	648	686	66	113	65	111
Health assessment and treating occupations	1,991	1,944	248	263	248	263	1,743	1,681	1,736	1,681
Teachers, college and university	493	503	320	313	319	314	173	190	173	190
Teachers, except college and university	2,710	2,712	713	721	699	713	1,997	1,991	1,953	1,959
Lawyers and judges	679	700	576	593	573	593	103	107	103	107
Other professional specialty occupations	3,326	3,493	1,867	1,858	1,810	1,806	1,458	1,634	1,423	1,581
Technical, sales, and administrative support	31,787	33,337	11,361	11,732	10,738	11,113	20,426	21,605	18,752	19,676
Technicians and related support	3,142	3,249	1,594	1,664	1,573	1,624	1,548	1,585	1,527	1,559
Health technologists and technicians	1,171	1,099	183	170	183	169	988	929	980	923
Engineering and science technicians	987	1,072	790	813	779	792	196	258	189	244
Technicians, except health, engineering, and science	984	1,079	621	680	611	663	364	398	359	392
Sales occupations	12,060	12,961	6,403	6,660	6,041	6,299	5,656	6,300	4,790	5,287
Supervisors and proprietors	3,073	3,274	2,189	2,296	2,151	2,279	884	978	876	939
Sales representatives, finance and business services	1,969	2,078	1,274	1,261	1,272	1,254	694	817	676	785
Sales representatives, commodities, except retail	1,457	1,518	1,223	1,242	1,216	1,232	234	275	229	259
Sales workers, retail and personal services	5,501	6,028	1,693	1,837	1,377	1,514	3,807	4,191	2,976	3,272
Sales-related occupations	60	63	24	24	23	21	36	38	33	33
Administrative support, including clerical	16,586	17,128	3,363	3,408	3,124	3,189	13,223	13,720	12,434	12,830
Supervisors	721	680	320	308	322	306	401	372	398	372
Computer equipment operators	604	726	209	251	197	242	394	476	369	443
Secretaries, stenographers, and typists	4,959	4,928	98	131	87	122	4,861	4,797	4,606	4,456
Financial records processing	2,494	2,511	265	259	255	248	2,229	2,252	2,172	2,174
Mail and message distributing	793	812	542	541	513	496	251	271	235	243
Other administrative support, including clerical	7,015	7,471	1,929	1,917	1,751	1,774	5,086	5,553	4,654	5,141
Service occupations	14,155	14,525	5,715	5,769	4,573	4,686	8,440	8,756	6,932	7,329
Private household	1,006	1,039	30	37	17	31	977	1,002	705	751
Protective service	1,761	1,734	1,510	1,474	1,451	1,417	251	261	182	211
Service, except private household and protective	11,387	11,751	4,175	4,258	3,105	3,238	7,212	7,493	6,044	6,368
Food service	4,940	5,099	1,847	1,893	1,165	1,243	3,093	3,205	2,343	2,440
Health service	1,755	1,775	200	172	180	152	1,555	1,603	1,429	1,513
Cleaning and building service	2,803	2,931	1,707	1,786	1,422	1,524	1,096	1,145	972	1,046
Personal service	1,888	1,946	421	407	338	320	1,467	1,539	1,300	1,369
Precision production, craft, and repair	12,831	13,445	11,789	12,253	11,378	11,761	1,042	1,193	989	1,138
Mechanics and repairers	4,171	4,399	4,053	4,276	3,927	4,131	118	123	119	114
Construction trades	4,632	4,834	4,515	4,756	4,292	4,482	118	78	95	66
Other precision production, craft, and repair	4,028	4,212	3,222	3,221	3,159	3,148	806	992	775	958
Operators, fabricators, and laborers	16,591	17,338	12,344	13,108	11,027	11,715	4,247	4,230	3,988	3,906
Machine operators, assemblers, and inspectors	7,772	7,979	4,566	4,795	4,307	4,571	3,207	3,184	3,085	3,028
Manufacturing industries	6,605	6,690	3,797	3,936	3,606	3,767	2,808	2,754	2,723	2,643
Durable goods	3,433	3,695	2,362	2,572	2,249	2,458	1,070	1,123	1,047	1,084
Nondurable goods	3,173	2,995	1,435	1,364	1,357	1,310	1,738	1,631	1,677	1,559
Nonmanufacturing industries	1,167	1,289	768	859	700	804	399	430	362	385
Transportation and material moving occupations	4,260	4,572	3,984	4,231	3,830	4,063	276	341	271	329
Motor vehicle operators	2,916	3,200	2,677	2,930	2,560	2,790	239	271	234	258
Other transportation and material moving occupations	1,344	1,372	1,307	1,301	1,270	1,273	37	71	38	71
Handlers, equipment cleaners, helpers, and laborers	4,558	4,787	3,795	4,083	2,891	3,081	764	704	631	549
Construction laborers	707	854	686	838	563	688	20	16	15	6
Other handlers, equipment cleaners, helpers, and laborers	3,851	3,933	3,108	3,244	2,328	2,393	743	689	616	543
Farming, forestry, and fishing	4,743	4,416	3,886	3,672	3,123	3,058	857	744	689	600
Farm operators and managers	1,589	1,553	1,401	1,369	1,382	1,351	187	185	185	178
Other farming, forestry, and fishing occupations	3,155	2,862	2,485	2,303	1,741	1,706	670	559	505	422

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	July 1983	July 1984	July 1983	July 1984	July 1983	July 1984
TOTAL						
Total, 16 years and over (thousands)	103,273	107,484	58,950	60,982	44,323	46,502
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	22.4	22.7	23.5	23.7	21.0	21.5
Executive, administrative, and managerial	10.4	10.9	12.4	12.8	7.8	8.5
Professional specialty	12.0	11.8	11.1	10.9	13.2	13.0
Technical, sales, and administrative support	30.8	31.0	19.3	19.2	46.1	46.5
Technicians and related support	3.0	3.0	2.7	2.7	3.5	3.4
Sales occupations	11.7	12.1	10.9	10.9	12.8	13.5
Administrative support, including clerical	16.1	15.9	5.7	5.6	29.8	29.5
Service occupations	13.7	13.5	9.7	9.5	19.0	18.8
Private household	1.0	1.0	.1	.1	2.2	2.2
Protective service	1.7	1.6	2.6	2.4	.6	.6
Service, except private household and protective	11.0	10.9	7.1	7.0	16.3	16.1
Precision production, craft, and repair	12.4	12.5	20.0	20.1	2.4	2.6
Operators, fabricators, and laborers	16.1	16.1	20.9	21.5	9.6	9.1
Machine operators, assemblers, and inspectors	7.5	7.4	7.7	7.9	7.2	6.8
Transportation and material moving occupations	4.1	4.3	6.8	6.9	.6	.7
Handlers, equipment cleaners, helpers, and laborers	4.4	4.5	6.4	6.7	1.7	1.5
Farming, forestry, and fishing	4.6	4.1	6.6	6.0	1.9	1.6
White						
Total, 16 years and over (thousands)	91,012	94,257	52,557	54,164	38,455	40,093
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.3	23.6	24.6	24.6	21.5	22.1
Executive, administrative, and managerial	10.9	11.5	13.0	13.4	8.1	8.9
Professional specialty	12.3	12.1	11.5	11.2	13.4	13.2
Technical, sales, and administrative support	31.4	31.7	19.6	19.7	47.5	47.9
Technicians and related support	3.1	3.1	2.7	2.8	3.5	3.4
Sales occupations	12.3	12.8	11.4	11.7	13.5	14.4
Administrative support, including clerical	16.0	15.9	5.5	5.3	30.5	30.2
Service occupations	12.6	12.2	8.8	8.4	17.8	17.2
Private household7	.8	(¹)	.1	1.7	1.7
Protective service	1.7	1.5	2.5	2.3	.6	.5
Service, except private household and protective	10.2	9.9	6.3	6.1	15.5	15.0
Precision production, craft, and repair	12.8	13.0	20.5	20.7	2.4	2.6
Operators, fabricators, and laborers	15.3	15.3	19.9	20.5	8.9	8.4
Machine operators, assemblers, and inspectors	7.1	7.0	7.4	7.6	6.6	6.3
Transportation and material moving occupations	4.0	4.1	6.5	6.6	.6	.7
Handlers, equipment cleaners, helpers, and laborers	4.2	4.2	5.9	6.3	1.7	1.4
Farming, forestry, and fishing	4.7	4.2	6.7	6.1	2.0	1.7
Black						
Total, 16 years and over (thousands)	9,717	10,334	4,976	5,239	4,741	5,095
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	13.9	13.5	11.3	12.0	16.7	15.1
Executive, administrative, and managerial	5.3	5.8	5.4	6.3	5.3	5.3
Professional specialty	8.6	7.7	5.9	5.8	11.4	9.8
Technical, sales, and administrative support	25.8	25.1	14.9	13.6	37.2	36.9
Technicians and related support	2.5	2.4	1.8	1.6	3.3	3.2
Sales occupations	6.3	5.6	5.1	3.7	7.6	7.6
Administrative support, including clerical	16.9	17.1	7.9	8.3	26.3	26.1
Service occupations	23.8	25.2	18.6	19.0	29.3	31.6
Private household	3.1	2.9	.1	(¹)	6.1	5.8
Protective service	2.3	2.6	3.9	4.2	.5	.9
Service, except private household and protective	18.5	19.8	14.6	14.8	22.6	24.9
Precision production, craft, and repair	9.1	9.3	16.0	16.1	1.9	2.4
Operators, fabricators, and laborers	23.7	23.5	33.1	33.7	13.9	13.0
Machine operators, assemblers, and inspectors	11.1	10.6	10.9	11.1	11.3	10.0
Transportation and material moving occupations	5.7	6.4	10.4	11.6	.7	1.0
Handlers, equipment cleaners, helpers, and laborers	7.0	6.6	11.8	10.9	1.9	2.1
Farming, forestry, and fishing	3.6	3.3	6.1	5.5	1.1	.9

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	July 1984								
	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	95,389	1,367	15,105	78,917	7,810	337	1,924	1,704	320
16 to 19 years	7,627	365	619	6,644	95	47	419	68	65
16 to 17 years	3,062	248	301	2,513	33	28	218	31	43
18 to 19 years	4,566	117	318	4,131	62	19	201	38	23
20 to 24 years	14,160	147	1,234	12,779	350	21	374	122	43
25 to 34 years	27,577	193	4,161	23,224	1,883	53	504	308	45
35 to 44 years	20,601	168	4,066	16,367	2,149	74	276	297	58
45 to 54 years	13,950	165	2,804	10,980	1,554	81	173	329	49
55 to 64 years	9,513	195	1,921	7,397	1,229	44	139	350	39
55 to 59 years	5,817	100	1,224	4,493	730	25	82	167	29
60 to 64 years	3,696	95	697	2,904	499	19	57	183	10
65 years and over	1,960	133	300	1,526	550	16	39	229	21
Men, 16 years and over	52,585	231	7,611	44,743	5,231	57	1,518	1,495	96
16 to 19 years	3,814	93	316	3,405	55	30	316	58	47
16 to 17 years	1,540	61	151	1,328	19	13	163	27	32
18 to 19 years	2,274	32	165	2,077	35	17	153	31	14
20 to 24 years	7,456	40	576	6,840	217	12	308	116	33
25 to 34 years	15,398	21	2,046	13,331	1,276	3	412	263	10
35 to 44 years	11,466	26	2,036	9,405	1,419	3	206	248	-
45 to 54 years	7,993	14	1,493	6,486	1,013	2	129	272	1
55 to 64 years	5,381	17	990	4,374	864	1	113	329	1
55 to 59 years	3,320	9	632	2,680	504	-	65	159	1
60 to 64 years	2,061	8	359	1,694	360	3	48	170	-
65 years and over	1,076	20	154	902	387	7	34	210	5
Women, 16 years and over	42,804	1,136	7,494	34,174	2,580	279	406	209	224
16 to 19 years	3,813	272	303	3,238	40	18	103	10	19
16 to 17 years	1,522	187	150	1,184	14	15	55	3	10
18 to 19 years	2,292	85	153	2,054	27	3	48	7	8
20 to 24 years	6,704	107	657	5,939	133	9	66	6	11
25 to 34 years	12,180	172	2,115	9,893	608	50	92	45	35
35 to 44 years	9,135	142	2,030	6,963	730	72	69	50	58
45 to 54 years	5,956	151	1,311	4,494	541	79	44	58	49
55 to 64 years	4,132	178	931	3,023	365	43	26	21	37
55 to 59 years	2,497	91	592	1,813	226	28	17	8	28
60 to 64 years	1,635	87	339	1,210	139	16	9	13	9
65 years and over	884	113	147	624	163	9	5	19	16

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	July 1984												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,948	50	79	24	17	120	-	18	43	-	64	14	3,520
Mining	1,028	162	102	47	15	134	-	12	336	37	146	35	-
Construction	7,250	836	165	49	53	427	-	42	4,025	89	544	999	22
Manufacturing	21,239	2,201	1,547	736	821	2,599	-	426	4,100	6,690	927	1,110	83
Durable goods	12,805	1,393	1,066	536	368	1,522	-	234	2,866	3,695	477	575	73
Nondurable goods	8,435	808	482	200	453	1,077	-	192	1,234	2,995	450	535	10
Transportation and public utilities	7,448	781	441	258	278	1,976	-	266	1,326	126	1,576	402	18
Wholesale and retail trade	22,626	1,784	375	79	9,386	2,231	-	4,281	1,482	295	843	1,840	28
Wholesale trade	4,254	448	70	34	1,639	788	-	26	293	174	427	341	15
Retail trade	18,372	1,337	305	45	7,748	1,443	-	4,255	1,189	121	416	1,500	13
Finance, insurance, and real estate	6,875	1,549	143	124	1,602	2,906	-	307	111	13	20	20	79
Services	32,158	3,385	9,147	1,703	763	5,297	1,039	6,980	1,831	687	398	334	594
Private households	1,369	1	23	5	-	6	1,039	83	17	3	3	6	183
Other service industries	30,789	3,384	9,124	1,698	764	5,291	-	6,898	1,815	683	394	328	411
Professional services	20,205	1,857	8,103	1,431	129	3,826	-	3,893	404	163	193	73	134
Public administration	4,911	995	680	228	25	1,438	-	1,154	192	42	55	33	71

¹ Includes protective service, not shown separately.

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
	July 1983	July 1984	July 1983	July 1984	Paid absences		Unpaid absences	
					July 1983	July 1984	July 1983	July 1984
Total, 16 years and over	11,523	11,432	11,377	11,285	6,937	6,806	3,751	3,764
Vacation	9,262	9,269	9,181	9,189	6,281	6,159	2,494	2,568
Illness	1,204	1,182	1,173	1,143	446	441	657	632
Bad weather	53	8	44	4	(²)	(²)	(²)	(²)
Industrial dispute	55	70	55	70	(²)	(²)	(²)	(²)
All other reasons	948	903	925	879	210	206	600	563
Men, 16 years and over	5,396	5,182	5,285	5,067	3,692	3,556	1,258	1,180
Vacation	4,181	4,094	4,124	4,036	3,294	3,194	661	629
Illness	726	668	696	633	290	281	360	319
All other reasons ³	489	420	464	399	108	82	237	231
Women, 16 years and over	6,126	6,250	6,093	6,217	3,246	3,249	2,493	2,583
Vacation	5,081	5,175	5,056	5,153	2,987	2,964	1,833	1,940
Illness	478	514	476	510	157	161	297	313
All other reasons ³	567	560	560	554	102	124	363	330

¹ Excludes private household workers.

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Hours of work	July 1984					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	96,052	3,801	92,251	100.0	100.0	100.0
1 to 34 hours	21,928	978	20,949	22.8	25.7	22.7
1 to 4 hours	716	68	648	.7	1.8	.7
5 to 14 hours	3,321	219	3,102	3.5	5.8	3.4
15 to 29 hours	11,159	447	10,711	11.6	11.8	11.6
30 to 34 hours	6,732	244	6,488	7.0	6.4	7.0
35 hours and over	74,125	2,824	71,300	77.2	74.3	77.3
35 to 39 hours	6,639	153	6,485	6.9	4.0	7.0
40 hours	41,280	688	40,593	43.0	18.1	44.0
41 hours and over	26,206	1,983	24,222	27.3	52.2	26.3
41 to 48 hours	9,657	295	9,361	10.1	7.8	10.1
49 to 59 hours	9,057	472	8,585	9.4	12.4	9.3
60 hours and over	7,492	1,216	6,276	7.8	32.0	6.8
Average hours, total at work	39.4	47.1	39.1	-	-	-
Average hours, workers on full-time schedules	43.4	55.1	43.0	-	-	-

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	July 1984					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	21,928	6,429	15,498	20,949	6,185	14,764
Economic reasons	6,543	1,668	4,875	6,201	1,581	4,620
Slack work	2,336	1,236	1,100	2,168	1,160	1,008
Material shortages or repairs to plant and equipment	74	74	-	67	67	-
New job started during week	286	286	-	283	283	-
Job terminated during week	72	72	-	71	71	-
Could find only part-time work	3,775	-	3,775	3,612	-	3,612
Other reasons	15,385	4,762	10,623	14,748	4,604	10,144
Does not want, or unavailable for, full-time work	8,446	-	8,446	8,109	-	8,109
Vacation	1,968	1,968	-	1,942	1,942	-
Illness	1,155	1,018	137	1,110	994	116
Bad weather	223	223	-	169	169	-
Industrial dispute	19	19	-	19	19	-
Legal or religious holiday	130	130	-	129	129	-
Full time for this job	1,465	-	1,465	1,420	-	1,420
All other reasons	1,978	1,402	576	1,851	1,351	500
Average hours:						
Economic reasons	21.4	23.6	20.6	21.5	23.6	20.8
Other reasons	22.1	25.9	20.4	22.2	25.8	20.5
Worked 30 to 34 hours:						
Economic reasons	1,922	711	1,211	1,849	680	1,169
Other reasons	4,810	2,445	2,365	4,639	2,353	2,286

**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	July 1984								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	92,251	6,201	10,144	75,906	51,684	9,361	14,861	39.1	43.0
Wage and salary workers	84,747	5,641	8,866	70,240	49,013	8,799	12,428	38.9	42.6
Mining	897	16	14	867	161	118	276	46.5	47.4
Construction	5,603	495	206	4,902	3,398	562	942	39.9	42.5
Manufacturing	18,386	583	490	17,313	11,912	2,594	2,807	41.3	42.6
Durable goods	11,047	213	203	10,631	7,230	1,652	1,749	41.9	42.6
Nondurable goods	7,340	370	287	6,683	4,684	941	1,058	40.5	42.5
Transportation and public utilities	6,493	212	286	5,995	3,958	779	1,258	42.0	43.8
Wholesale and retail trade	19,076	2,095	3,448	13,533	8,666	2,056	2,811	37.1	43.3
Finance, insurance, and real estate	5,867	158	427	5,282	3,871	632	779	39.7	41.8
Service industries	23,913	1,984	3,796	18,133	13,460	1,692	2,981	36.7	42.0
Private households	1,295	325	502	468	319	42	107	25.4	45.0
All other industries	22,618	1,659	3,294	17,665	13,141	1,650	2,874	37.3	41.9
Public administration	4,512	101	199	4,212	3,273	365	574	40.5	41.8
Self-employed workers	7,167	542	1,147	5,478	2,557	539	2,382	41.0	47.8
Unpaid family workers	337	19	132	186	110	24	52	35.4	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	July 1984							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Total, 16 years and over	92,251	6,201	10,144	75,906	51,684	24,222	39.1	43.0
16 to 19 years	7,380	1,673	2,047	3,660	2,903	757	30.7	40.8
16 to 17 years	2,936	841	1,127	968	819	149	26.4	39.7
18 to 19 years	4,444	832	921	2,691	2,083	608	33.6	41.2
20 years and over	84,871	4,527	8,097	72,247	48,781	23,466	39.8	43.1
20 to 24 years	13,676	1,308	1,425	10,943	7,990	2,953	38.0	41.9
25 years and over	71,196	3,221	6,672	61,303	40,791	20,512	40.1	43.3
25 to 44 years	46,407	2,180	3,512	40,715	26,811	13,904	40.6	43.3
45 to 64 years	22,611	937	2,156	19,518	13,231	6,287	40.2	43.3
65 years and over	2,178	103	1,004	1,071	750	321	29.7	42.4
Men, 16 years and over								
16 to 19 years	52,805	2,786	2,852	47,167	28,908	18,259	41.9	44.4
16 to 17 years	3,739	771	884	2,084	1,570	514	32.4	41.5
16 to 17 years	1,489	421	507	561	471	90	27.7	40.0
18 to 19 years	2,250	349	377	1,524	1,100	424	35.6	42.1
20 years and over	49,066	2,015	1,968	45,083	27,338	17,745	42.6	44.5
20 to 24 years	7,300	583	497	6,220	4,110	2,110	40.0	43.1
25 years and over	41,766	1,432	1,471	38,863	23,230	15,633	43.1	44.7
25 to 44 years	26,985	979	496	25,510	14,972	10,538	43.6	44.8
45 to 64 years	13,488	405	436	12,647	7,794	4,853	43.0	44.5
65 years and over	1,293	47	540	706	462	244	31.6	43.2
Women, 16 years and over								
16 to 19 years	39,446	3,415	7,292	28,739	22,775	5,964	35.3	40.8
16 to 19 years	3,641	903	1,163	1,575	1,332	243	29.0	39.8
16 to 17 years	1,447	420	620	407	347	60	25.1	39.3
18 to 19 years	2,194	483	544	1,167	984	183	31.6	40.0
20 years and over	35,805	2,512	6,129	27,164	21,442	5,722	36.0	40.8
20 to 24 years	6,376	724	928	4,724	3,881	843	35.7	40.4
25 years and over	29,430	1,789	5,200	22,441	17,563	4,878	36.0	40.9
25 to 44 years	19,421	1,201	3,018	15,202	11,836	3,366	36.5	40.8
45 to 64 years	9,124	533	1,719	6,872	5,437	1,435	35.9	41.1
65 years and over	885	56	463	366	289	77	26.9	41.0
RACE								
White, 16 years and over	80,753	4,948	9,191	66,614	44,189	22,425	39.3	43.2
Men	46,814	2,220	2,541	42,053	25,079	16,974	42.2	44.6
Women	33,939	2,728	6,650	24,561	19,110	5,451	35.3	40.9
Black, 16 years and over								
Men	8,903	1,063	717	7,123	5,848	1,275	37.1	41.1
Men	4,567	481	218	3,868	2,951	917	39.0	42.2
Women	4,335	582	499	3,254	2,896	358	35.1	39.7
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	33,739	946	1,056	31,737	18,588	13,149	43.4	44.8
Widowed, divorced, or separated	4,650	254	188	4,208	2,517	1,691	42.3	44.6
Single (never married)	14,416	1,586	1,607	11,223	7,806	3,417	38.2	42.9
Women, 16 years and over:								
Married, spouse present	20,255	1,207	4,379	14,669	11,788	2,881	34.9	40.5
Widowed, divorced, or separated	7,756	569	900	6,287	4,745	1,542	37.5	41.4
Single (never married)	11,435	1,640	2,013	7,782	6,242	1,540	34.6	40.7

**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	July 1984								Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	91,781	6,076	10,089	75,616	51,382	9,346	14,889	39.1	43.0
Managerial and professional specialty	20,535	452	1,600	18,483	11,127	2,192	5,164	41.9	44.3
Executive, administrative, and managerial	10,816	136	467	10,214	5,746	1,327	3,141	43.8	45.2
Professional specialty	9,718	316	1,133	8,269	5,381	864	2,024	39.8	43.3
Technical, sales, and administrative support	30,545	1,764	4,367	24,414	17,706	2,858	3,850	37.8	42.1
Technicians and related support	2,942	67	267	2,608	1,976	298	334	39.2	41.4
Sales occupations	12,026	943	2,071	9,012	5,164	1,259	2,588	38.8	44.8
Administrative support, including clerical	15,577	753	2,030	12,794	10,566	1,300	928	36.8	40.2
Service occupations	13,129	1,926	2,917	8,286	6,234	843	1,209	34.3	42.2
Private household	975	207	397	370	275	31	64	25.9	43.9
Protective service	1,565	59	104	1,402	886	188	327	42.7	45.0
Service, except private household and protective	10,590	1,660	2,416	6,514	5,072	624	818	33.8	41.5
Precision production, craft, and repair	12,250	697	370	11,182	7,288	1,557	2,337	41.6	43.4
Operators, fabricators, and laborers	15,322	1,237	834	13,251	9,028	1,896	2,327	40.2	43.0
Machine operators, assemblers, and inspectors	6,795	395	205	6,195	4,565	913	717	40.1	41.7
Transportation and material moving occupations	4,079	220	139	3,720	2,020	545	1,155	43.8	46.0
Handlers, equipment cleaners, helpers, and laborers	4,447	621	490	3,336	2,442	438	455	37.1	42.0
Men, 16 years and over	52,254	2,659	2,753	46,842	28,592	6,259	11,991	42.0	44.4
Managerial and professional specialty	12,961	196	491	12,275	6,683	1,429	4,162	44.3	45.7
Executive, administrative, and managerial	7,238	81	179	6,978	3,557	877	2,544	45.5	46.4
Professional specialty	5,724	114	313	5,297	3,126	553	1,618	42.9	44.7
Technical, sales, and administrative support	10,925	379	683	9,864	5,698	1,397	2,768	42.5	44.9
Technicians and related support	1,530	25	38	1,467	1,030	182	255	41.6	42.6
Sales occupations	6,257	218	466	5,574	2,624	843	2,108	44.0	46.9
Administrative support, including clerical	3,138	136	179	2,823	2,044	373	406	40.0	42.2
Service occupations	5,347	607	728	4,012	2,865	457	689	37.6	43.1
Private household	37	14	7	17	15	2	-	(¹)	(¹)
Protective service	1,350	40	75	1,235	766	168	301	43.3	45.4
Service, except private household and protective	3,960	553	646	2,760	2,084	288	388	35.8	42.0
Precision production, craft, and repair	11,234	629	291	10,315	6,640	1,429	2,245	41.8	43.6
Operators, fabricators, and laborers	11,786	849	560	10,378	6,705	1,547	2,126	41.2	43.6
Machine operators, assemblers, and inspectors	4,138	166	75	3,898	2,690	627	580	41.5	42.5
Transportation and material moving occupations	3,840	188	117	3,535	1,890	514	1,131	44.3	46.2
Handlers, equipment cleaners, helpers, and laborers	3,808	495	368	2,945	2,125	406	415	37.7	42.1
Women, 16 years and over	39,527	3,416	7,336	28,774	22,790	3,087	2,898	35.3	40.8
Managerial and professional specialty	7,573	256	1,108	6,209	4,444	762	1,003	37.8	41.7
Executive, administrative, and managerial	3,579	54	288	3,237	2,189	451	597	40.5	42.5
Professional specialty	3,995	202	821	2,972	2,254	312	406	35.4	40.8
Technical, sales, and administrative support	19,620	1,385	3,685	14,551	12,008	1,460	1,082	35.2	40.1
Technicians and related support	1,412	42	229	1,142	946	116	79	36.7	40.0
Sales occupations	5,769	726	1,605	3,438	2,540	417	481	33.3	41.4
Administrative support, including clerical	12,439	617	1,851	9,971	8,521	927	522	36.0	39.7
Service occupations	7,782	1,319	2,189	4,274	3,368	386	520	32.0	41.5
Private household	938	193	390	354	261	29	64	26.0	44.2
Protective service	215	19	29	167	120	20	27	38.5	42.2
Service, except private household and protective	6,630	1,106	1,770	3,754	2,987	337	430	32.6	41.2
Precision production, craft, and repair	1,016	68	79	868	647	129	92	38.6	41.4
Operators, fabricators, and laborers	3,536	388	274	2,873	2,322	350	201	36.9	40.6
Machine operators, assemblers, and inspectors	2,658	230	130	2,298	1,874	286	137	37.9	40.4
Transportation and material moving occupations	239	32	23	184	130	31	23	36.0	41.7
Handlers, equipment cleaners, helpers, and laborers	639	126	122	391	318	32	41	33.2	41.3

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
TOTAL													
Noninstitutional population ¹	175,970	176,122	176,297	176,474	176,636	176,809	177,219	177,363	177,510	177,662	177,813	177,974	178,138
Labor force ¹	113,489	113,799	113,924	113,561	113,720	113,824	113,901	114,377	114,598	114,938	115,493	115,567	115,636
Percent of population ²	64.5	64.6	64.6	64.3	64.4	64.4	64.3	64.5	64.6	64.7	65.0	64.9	64.9
Total employed ¹	102,889	103,166	103,571	103,665	104,291	104,629	104,876	105,576	105,826	106,095	106,978	107,438	107,093
Employment-population ratio ³	58.5	58.6	58.7	58.7	59.0	59.2	59.2	59.5	59.6	59.7	60.2	60.4	60.1
Resident Armed Forces	1,664	1,682	1,695	1,695	1,685	1,688	1,686	1,684	1,686	1,693	1,690	1,690	1,698
Civilian employed	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395
Agriculture	3,499	3,449	3,308	3,240	3,257	3,356	3,271	3,395	3,281	3,393	3,389	3,403	3,345
Nonagricultural industries	97,726	98,035	98,568	98,730	99,349	99,585	99,918	100,496	100,859	101,009	101,899	102,344	102,050
Unemployed	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543
Unemployment rate ⁴	9.3	9.3	9.1	8.7	8.3	8.1	7.9	7.7	7.7	7.7	7.4	7.0	7.4
Not in labor force	62,481	62,323	62,373	62,913	62,916	62,985	63,318	62,986	62,912	62,724	62,320	62,407	62,503
Men													
Noninstitutional population ¹	84,099	84,173	84,261	84,344	84,423	84,506	84,745	84,811	84,880	84,953	85,024	85,101	85,179
Labor force ¹	64,840	64,807	64,877	64,709	64,846	64,838	64,930	65,093	65,156	65,212	65,307	65,452	65,362
Percent of population ²	77.1	77.0	77.0	76.7	76.8	76.7	76.6	76.8	76.8	76.8	76.8	76.9	76.7
Total employed ¹	58,592	58,607	58,828	58,950	59,389	59,580	59,781	60,147	60,290	60,293	60,629	60,923	60,607
Employment-population ratio ³	69.7	69.6	69.8	69.9	70.3	70.5	70.5	70.9	71.0	71.0	71.3	71.6	71.2
Resident Armed Forces	1,521	1,538	1,549	1,543	1,534	1,537	1,542	1,540	1,542	1,548	1,545	1,545	1,551
Civilian employed	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056
Unemployed	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756
Unemployment rate ⁴	9.6	9.6	9.3	8.9	8.4	8.1	7.9	7.6	7.5	7.5	7.2	6.9	7.3
Not in labor force	19,259	19,366	19,384	19,635	19,577	19,668	19,815	19,718	19,724	19,741	19,717	19,649	19,817
Women													
Noninstitutional population ¹	91,871	91,949	92,036	92,129	92,214	92,302	92,474	92,552	92,630	92,709	92,789	92,873	92,958
Labor force ¹	48,649	48,992	49,047	48,852	48,874	48,986	48,971	49,283	49,442	49,725	50,186	50,115	50,273
Percent of population ²	53.0	53.3	53.3	53.0	53.0	53.1	53.0	53.2	53.4	53.6	54.1	54.0	54.1
Total employed ¹	44,297	44,559	44,743	44,715	44,902	45,049	45,094	45,429	45,536	45,802	46,350	46,515	46,486
Employment-population ratio ³	48.2	48.5	48.6	48.5	48.7	48.8	48.8	49.1	49.2	49.4	50.0	50.1	50.0
Resident Armed Forces	143	144	146	152	151	151	144	144	144	145	145	145	147
Civilian employed	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339
Unemployed	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787
Unemployment rate ⁴	8.9	9.0	8.8	8.5	8.1	8.0	7.9	7.8	7.9	7.9	7.6	7.2	7.5
Not in labor force	43,222	42,957	42,989	43,277	43,340	43,316	43,503	43,269	43,188	42,984	42,603	42,758	42,685

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

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

Armed Forces).

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
TOTAL													
Civilian noninstitutional population ¹	174,306	174,440	174,602	174,779	174,951	175,121	175,533	175,679	175,824	175,969	176,123	176,284	176,440
Civilian labor force	111,825	112,117	112,229	111,866	112,035	112,136	112,215	112,693	112,912	113,245	113,803	113,877	113,938
Percent of population	64.2	64.3	64.3	64.0	64.0	64.0	63.9	64.1	64.2	64.4	64.6	64.6	64.6
Employed	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395
Employment-population ratio ²	58.1	58.2	58.3	58.3	58.6	58.8	58.8	59.1	59.2	59.3	59.8	60.0	59.7
Unemployed	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543
Unemployment rate	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5
Men, 20 years and over													
Civilian noninstitutional population ¹	74,927	75,012	75,115	75,216	75,327	75,433	75,692	75,786	75,880	75,973	76,073	76,176	76,269
Civilian labor force	58,982	58,954	59,012	58,949	59,053	59,050	59,299	59,394	59,388	59,480	59,546	59,726	59,694
Percent of population	78.7	78.6	78.6	78.4	78.4	78.3	78.3	78.4	78.3	78.3	78.3	78.4	78.3
Employed	53,765	53,804	53,947	54,140	54,457	54,658	54,999	55,266	55,368	55,385	55,685	55,970	55,789
Employment-population ratio ²	71.8	71.7	71.8	72.0	72.3	72.5	72.7	72.9	73.0	72.9	73.2	73.5	73.1
Agriculture	2,521	2,475	2,431	2,376	2,336	2,374	2,356	2,409	2,364	2,453	2,451	2,469	2,455
Nonagricultural industries	51,244	51,329	51,516	51,764	52,121	52,284	52,643	52,857	53,004	52,932	53,234	53,501	53,334
Unemployed	5,217	5,150	5,065	4,809	4,596	4,392	4,300	4,128	4,020	4,095	3,861	3,755	3,906
Unemployment rate	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5
Not in labor force	15,945	16,058	16,103	16,267	16,274	16,383	16,393	16,392	16,492	16,493	16,527	16,450	16,575
Women, 20 years and over													
Civilian noninstitutional population ¹	84,122	84,224	84,333	84,443	84,553	84,666	84,860	84,962	85,064	85,168	85,272	85,380	85,488
Civilian labor force	44,647	44,896	45,062	44,936	44,953	45,024	44,981	45,258	45,459	45,703	46,222	46,101	46,261
Percent of population	53.1	53.3	53.4	53.2	53.2	53.2	53.0	53.3	53.4	53.7	54.2	54.0	54.1
Employed	41,123	41,298	41,550	41,570	41,738	41,843	41,798	42,138	42,315	42,517	43,098	43,146	43,088
Employment-population ratio ²	48.9	49.0	49.3	49.2	49.4	49.4	49.3	49.6	49.7	49.9	50.5	50.5	50.4
Agriculture	613	627	581	597	638	653	625	640	574	619	610	623	573
Nonagricultural industries	40,510	40,671	40,969	40,973	41,100	41,190	41,174	41,498	41,741	41,898	42,487	42,523	42,515
Unemployed	3,524	3,598	3,512	3,366	3,215	3,181	3,182	3,120	3,144	3,186	3,124	2,955	3,173
Unemployment rate	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9
Not in labor force	39,475	39,328	39,271	39,507	39,600	39,642	39,879	39,704	39,605	39,465	39,050	39,279	39,227
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,257	15,204	15,154	15,120	15,072	15,022	14,981	14,931	14,880	14,828	14,778	14,728	14,683
Civilian labor force	8,196	8,267	8,155	7,981	8,029	8,062	7,935	8,041	8,065	8,062	8,034	8,050	7,982
Percent of population	53.7	54.4	53.8	52.8	53.3	53.7	53.0	53.9	54.2	54.4	54.4	54.7	54.4
Employed	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518
Employment-population ratio ²	41.5	42.0	42.1	41.4	42.5	42.9	42.7	43.5	43.4	43.8	44.0	45.0	44.4
Agriculture	365	347	296	267	283	329	290	346	343	321	327	311	317
Nonagricultural industries	5,972	6,035	6,083	5,993	6,128	6,111	6,102	6,142	6,114	6,179	6,178	6,320	6,201
Unemployed	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464
Unemployment rate	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3
Not in labor force	7,061	6,937	6,999	7,139	7,043	6,960	7,046	6,890	6,815	6,766	6,744	6,678	6,701

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional

population.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
WHITE													
Civilian noninstitutional population ¹	150,959	151,003	151,021	151,175	151,324	151,484	151,939	152,079	152,285	152,178	152,229	152,295	152,286
Civilian labor force	97,255	97,498	97,507	97,339	97,559	97,724	97,813	98,167	98,424	98,495	98,853	98,770	98,710
Percent of population	64.4	64.6	64.6	64.4	64.5	64.5	64.4	64.6	64.6	64.7	64.9	64.9	64.8
Employed	89,260	89,503	89,693	89,851	90,430	90,779	91,044	91,544	91,845	91,933	92,505	92,697	92,430
Employment-population ratio ²	59.1	59.3	59.4	59.4	59.8	59.9	59.9	60.2	60.3	60.4	60.8	60.9	60.7
Unemployed	7,995	7,995	7,814	7,488	7,129	6,945	6,768	6,623	6,580	6,562	6,348	6,072	6,280
Unemployment rate	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4
Men, 20 years and over													
Civilian labor force	51,901	51,878	51,881	51,902	52,021	52,063	52,270	52,335	52,398	52,406	52,357	52,548	52,366
Percent of population	79.0	78.9	79.0	78.9	78.9	78.9	78.8	78.8	78.8	78.8	78.7	78.9	78.6
Employed	47,891	47,886	47,908	48,128	48,414	48,589	48,964	49,149	49,343	49,329	49,440	49,744	49,470
Employment-population ratio ²	72.9	72.9	72.9	73.1	73.5	73.6	73.8	74.0	74.2	74.2	74.3	74.7	74.3
Unemployed	4,010	3,992	3,973	3,774	3,607	3,474	3,306	3,186	3,055	3,077	2,917	2,804	2,896
Unemployment rate	7.7	7.7	7.7	7.3	6.9	6.7	6.3	6.1	5.8	5.9	5.6	5.3	5.5
Women, 20 years and over													
Civilian labor force	38,161	38,356	38,468	38,438	38,489	38,556	38,505	38,726	38,873	39,032	39,439	39,226	39,396
Percent of population	52.5	52.7	52.8	52.7	52.7	52.8	52.6	52.8	52.9	53.1	53.7	53.3	53.5
Employed	35,574	35,767	35,928	36,016	36,177	36,292	36,180	36,465	36,570	36,688	37,150	37,042	37,074
Employment-population ratio ²	48.9	49.2	49.3	49.4	49.6	49.7	49.4	49.7	49.8	49.9	50.5	50.4	50.4
Unemployed	2,587	2,589	2,540	2,422	2,312	2,264	2,325	2,261	2,303	2,344	2,289	2,184	2,321
Unemployment rate	6.8	6.7	6.6	6.3	6.0	5.9	6.0	5.8	5.9	6.0	5.8	5.6	5.9
Both sexes, 16 to 19 years													
Civilian labor force	7,193	7,264	7,158	6,999	7,049	7,105	7,038	7,106	7,153	7,057	7,057	6,996	6,948
Percent of population	57.2	57.9	57.3	56.2	56.7	57.2	56.9	57.7	58.3	57.7	58.0	57.7	57.5
Employed	5,795	5,850	5,857	5,707	5,839	5,898	5,900	5,930	5,932	5,916	5,915	5,911	5,886
Employment-population ratio ²	46.1	46.6	46.9	45.8	47.0	47.5	47.7	48.1	48.3	48.4	48.6	48.7	48.7
Unemployed	1,398	1,414	1,301	1,292	1,210	1,207	1,138	1,176	1,221	1,141	1,142	1,085	1,062
Unemployment rate	19.4	19.5	18.2	18.5	17.2	17.0	16.2	16.5	17.1	16.2	16.2	15.5	15.3
Men	20.3	20.7	18.9	19.8	17.6	17.5	17.8	16.4	17.3	16.6	16.8	16.5	17.8
Women	18.4	18.2	17.4	16.9	16.6	16.5	14.5	16.7	16.8	15.7	15.5	14.5	12.6
BLACK													
Civilian noninstitutional population ¹	18,942	18,966	18,994	19,026	19,057	19,086	19,196	19,222	19,248	19,274	19,302	19,330	19,360
Civilian labor force	11,741	11,724	11,720	11,565	11,623	11,650	11,660	11,881	11,867	11,934	12,008	11,962	12,076
Percent of population	62.0	61.8	61.7	60.8	61.0	61.0	60.7	61.8	61.7	61.9	62.2	61.9	62.4
Employed	9,443	9,408	9,504	9,449	9,563	9,582	9,707	9,958	9,896	9,923	10,105	10,168	10,041
Employment-population ratio ²	49.9	49.6	50.0	49.7	50.2	50.2	50.6	51.8	51.4	51.5	52.4	52.6	51.9
Unemployed	2,298	2,316	2,216	2,116	2,060	2,068	1,953	1,923	1,972	2,011	1,903	1,795	2,035
Unemployment rate	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9
Men, 20 years and over													
Civilian labor force	5,599	5,578	5,553	5,501	5,568	5,565	5,621	5,677	5,660	5,607	5,673	5,646	5,700
Percent of population	76.0	75.6	75.1	74.2	74.9	74.7	74.8	75.4	75.0	74.2	74.9	74.4	74.9
Employed	4,559	4,563	4,613	4,607	4,701	4,722	4,789	4,877	4,789	4,712	4,872	4,811	4,802
Employment-population ratio ²	61.9	61.8	62.4	62.1	63.2	63.4	63.7	64.8	63.5	62.4	64.3	63.4	63.1
Unemployed	1,040	1,015	940	894	867	843	833	800	871	894	801	835	897
Unemployment rate	18.6	18.2	16.9	16.3	15.6	15.1	14.8	14.1	15.4	16.0	14.1	14.8	15.7
Women, 20 years and over													
Civilian labor force	5,317	5,312	5,358	5,277	5,270	5,303	5,277	5,408	5,425	5,469	5,547	5,496	5,522
Percent of population	56.9	56.7	57.1	56.1	55.9	56.2	55.6	56.9	57.0	57.3	58.0	57.4	57.5
Employed	4,458	4,440	4,495	4,438	4,448	4,461	4,522	4,630	4,690	4,737	4,793	4,818	4,746
Employment-population ratio ²	47.7	47.4	47.9	47.2	47.2	47.3	47.7	48.7	49.2	49.6	50.1	50.3	49.5
Unemployed	859	872	863	839	822	842	755	777	735	731	754	679	776
Unemployment rate	16.2	16.4	16.1	15.9	15.6	15.9	14.3	14.4	13.5	13.4	13.6	12.4	14.0

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	825	834	809	787	785	782	762	796	783	859	787	820	854
Percent of population	37.1	37.6	36.6	35.6	35.6	35.6	34.7	36.4	35.9	39.5	36.3	37.9	39.6
Employed	426	405	396	404	414	399	397	450	417	474	440	539	492
Employment-population ratio ²	19.1	18.3	17.9	18.3	18.8	18.2	18.1	20.6	19.1	21.8	20.3	24.9	22.8
Unemployed	399	429	413	383	371	383	365	346	366	385	347	281	362
Unemployment rate	48.4	51.4	51.1	48.7	47.3	49.0	47.9	43.5	46.7	44.8	44.1	34.3	42.4
Men	48.3	53.7	52.7	45.6	44.9	46.4	47.1	46.7	44.4	42.8	40.9	35.3	42.6
Women	48.4	48.8	49.2	52.2	50.0	51.9	48.8	39.9	49.6	47.1	48.2	33.1	42.1
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,640	9,690	9,700	9,745	9,677	9,735	9,778	9,906	10,080	10,072	10,026	9,824	9,738
Civilian labor force	6,090	6,145	6,202	6,165	6,232	6,267	6,336	6,292	6,484	6,378	6,332	6,298	6,293
Percent of population	63.2	63.4	63.9	63.3	64.4	64.4	64.8	63.5	64.3	63.3	63.2	64.1	64.6
Employed	5,339	5,350	5,392	5,398	5,463	5,540	5,627	5,652	5,751	5,643	5,666	5,669	5,626
Employment-population ratio ²	55.4	55.2	55.6	55.4	56.5	56.9	57.6	57.1	57.1	56.0	56.5	57.7	57.8
Unemployed	751	795	810	767	769	727	708	639	733	735	666	629	667
Unemployment rate	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6

¹ The population figures are not adjusted for seasonal variation.

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

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

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

(In thousands)

Category	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
CHARACTERISTIC													
Total	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395
Married men, spouse present	38,254	38,281	38,232	38,240	38,388	38,494	38,682	38,911	38,927	39,062	39,159	39,072	39,121
Married women, spouse present	24,618	24,905	24,921	24,953	25,057	25,140	24,947	25,212	25,239	25,457	25,722	25,786	25,716
Women who maintain families	5,071	5,096	5,124	5,172	5,236	5,254	5,293	5,346	5,444	5,491	5,668	5,688	5,662
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,631	1,628	1,572	1,505	1,481	1,512	1,443	1,560	1,515	1,661	1,610	1,604	1,513
Self-employed workers	1,573	1,564	1,515	1,527	1,556	1,572	1,613	1,609	1,580	1,534	1,537	1,570	1,559
Unpaid family workers	251	240	236	227	224	265	233	232	198	207	246	212	230
Nonagricultural industries:													
Wage and salary workers	89,687	90,032	90,743	90,617	91,094	91,422	91,641	92,379	92,819	92,931	93,928	94,040	93,841
Government	15,593	15,671	15,560	15,578	15,585	15,481	15,535	15,822	15,813	15,784	15,761	15,685	15,604
Private industries	74,094	74,361	75,183	75,039	75,509	75,941	76,106	76,557	77,006	77,147	78,167	78,355	78,236
Private households	1,276	1,270	1,279	1,278	1,216	1,241	1,197	1,219	1,155	1,296	1,347	1,329	1,239
Other industries	72,818	73,091	73,904	73,761	74,293	74,700	74,909	75,339	75,851	75,851	76,820	77,026	76,997
Self-employed workers	7,595	7,641	7,656	7,695	7,800	7,734	7,936	7,849	7,755	7,834	7,707	7,828	7,717
Unpaid family workers	322	375	380	405	474	450	364	330	326	338	311	348	306
PERSONS AT WORK¹													
Nonagricultural industries	92,126	91,953	93,322	93,273	93,834	94,173	94,707	95,067	94,982	96,918	96,523	96,500	96,848
Full-time schedules	73,844	73,499	74,666	75,047	75,398	75,802	76,237	76,715	77,004	78,276	78,280	78,496	78,659
Part time for economic reasons	5,700	5,866	6,027	5,724	5,848	5,712	5,943	5,808	5,463	5,593	5,353	5,491	5,300
Usually work full time	1,781	1,742	1,771	1,617	1,719	1,672	1,771	1,611	1,472	1,530	1,549	1,654	1,589
Usually work part time	3,919	4,124	4,256	4,107	4,129	4,040	4,172	4,197	3,991	4,063	3,804	3,837	3,711
Part time for noneconomic reasons	12,582	12,588	12,629	12,502	12,588	12,659	12,527	12,545	12,515	13,049	12,889	12,514	12,889

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total, 16 years and over	101,225	101,484	101,876	101,970	102,606	102,941	103,190	103,892	104,140	104,402	105,288	105,748	105,395
16 to 24 years	20,215	20,170	20,217	20,085	20,338	20,377	20,401	20,628	20,616	20,639	20,873	21,127	20,760
16 to 19 years	6,337	6,382	6,379	6,260	6,411	6,440	6,392	6,488	6,457	6,500	6,505	6,631	6,518
16 to 17 years	2,283	2,331	2,320	2,257	2,332	2,355	2,321	2,342	2,376	2,379	2,493	2,453	2,429
18 to 19 years	4,067	4,013	4,062	4,012	4,064	4,092	4,114	4,153	4,082	4,125	4,024	4,176	4,079
20 to 24 years	13,878	13,788	13,838	13,825	13,927	13,937	14,008	14,140	14,159	14,139	14,368	14,496	14,241
25 years and over	81,020	81,363	81,668	81,892	82,268	82,551	82,765	83,294	83,493	83,729	84,440	84,648	84,604
25 to 54 years	66,797	67,155	67,323	67,537	67,913	68,179	68,534	68,964	69,279	69,516	70,138	70,485	70,409
55 years and over	14,224	14,231	14,368	14,364	14,364	14,347	14,239	14,293	14,212	14,274	14,260	14,179	14,223
Men, 16 years and over	57,071	57,069	57,279	57,407	57,855	58,043	58,239	58,607	58,748	58,745	59,084	59,378	59,056
16 to 24 years	10,606	10,566	10,634	10,569	10,789	10,770	10,700	10,864	10,965	10,947	11,084	11,145	10,787
16 to 19 years	3,306	3,265	3,332	3,267	3,398	3,385	3,240	3,342	3,380	3,361	3,399	3,408	3,267
16 to 17 years	1,200	1,206	1,217	1,165	1,223	1,224	1,222	1,223	1,256	1,220	1,297	1,246	1,200
18 to 19 years	2,116	2,054	2,120	2,102	2,155	2,151	2,050	2,120	2,126	2,144	2,105	2,153	2,058
20 to 24 years	7,300	7,301	7,302	7,302	7,391	7,385	7,460	7,523	7,586	7,586	7,686	7,737	7,520
25 years and over	46,430	46,511	46,666	46,834	47,073	47,266	47,531	47,745	47,777	47,798	48,044	48,260	48,213
25 to 54 years	37,953	38,052	38,173	38,334	38,550	38,757	39,049	39,271	39,418	39,431	39,622	39,909	39,866
55 years and over	8,481	8,468	8,499	8,499	8,541	8,470	8,495	8,473	8,373	8,387	8,366	8,379	8,369
Women, 16 years and over	44,154	44,415	44,597	44,563	44,751	44,898	44,950	45,285	45,392	45,657	46,205	46,370	46,339
16 to 24 years	9,609	9,604	9,583	9,516	9,549	9,607	9,700	9,763	9,651	9,692	9,789	9,982	9,973
16 to 19 years	3,031	3,117	3,047	2,993	3,013	3,055	3,152	3,147	3,078	3,139	3,107	3,223	3,252
16 to 17 years	1,083	1,125	1,103	1,092	1,109	1,131	1,099	1,119	1,120	1,159	1,196	1,207	1,229
18 to 19 years	1,951	1,959	1,942	1,910	1,909	1,941	2,064	2,033	1,956	1,981	1,919	2,023	2,021
20 to 24 years	6,578	6,487	6,536	6,523	6,536	6,552	6,548	6,617	6,573	6,553	6,682	6,759	6,721
25 years and over	34,590	34,852	35,002	35,058	35,195	35,285	35,234	35,549	35,716	35,931	36,396	36,387	36,391
25 to 54 years	28,844	29,103	29,150	29,203	29,363	29,422	29,485	29,694	29,861	30,085	30,517	30,577	30,543
55 years and over	5,743	5,763	5,869	5,865	5,823	5,877	5,744	5,820	5,839	5,887	5,893	5,801	5,853

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

(In thousands)

Sex and age	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total, 16 years and over	10,600	10,633	10,353	9,896	9,429	9,195	9,026	8,801	8,772	8,843	8,514	8,130	8,543
16 to 24 years	4,096	4,197	3,994	3,899	3,692	3,564	3,537	3,410	3,467	3,522	3,402	3,156	3,276
16 to 19 years	1,859	1,885	1,776	1,721	1,618	1,622	1,543	1,553	1,608	1,562	1,529	1,419	1,464
16 to 17 years	767	767	731	712	653	700	649	663	712	683	632	602	626
18 to 19 years	1,071	1,107	1,046	1,020	972	947	878	881	904	876	896	813	817
20 to 24 years	2,237	2,312	2,218	2,178	2,074	1,942	1,994	1,857	1,859	1,960	1,873	1,737	1,812
25 years and over	6,486	6,424	6,370	6,002	5,728	5,659	5,474	5,405	5,279	5,301	5,132	4,996	5,257
25 to 54 years	5,707	5,668	5,610	5,259	5,007	4,938	4,789	4,742	4,647	4,663	4,474	4,274	4,619
55 years and over	798	765	785	753	741	742	700	636	643	621	659	683	660
Men, 16 years and over	6,248	6,200	6,049	5,759	5,457	5,258	5,149	4,946	4,867	4,919	4,678	4,529	4,756
16 to 24 years	2,397	2,408	2,271	2,209	2,042	1,998	1,971	1,857	1,869	1,925	1,812	1,772	1,846
16 to 19 years	1,031	1,050	984	950	861	866	849	818	847	824	817	774	850
16 to 17 years	451	423	383	374	344	372	336	337	376	378	352	365	358
18 to 19 years	568	619	605	579	524	501	501	469	472	448	472	413	478
20 to 24 years	1,366	1,358	1,287	1,259	1,181	1,132	1,122	1,039	1,022	1,101	995	998	996
25 years and over	3,826	3,791	3,794	3,552	3,417	3,283	3,154	3,089	2,988	2,996	2,878	2,757	2,896
25 to 54 years	3,337	3,311	3,315	3,074	2,935	2,799	2,743	2,686	2,569	2,604	2,480	2,377	2,496
55 years and over	489	482	507	482	490	481	431	396	408	382	394	378	401
Women, 16 years and over	4,352	4,433	4,304	4,137	3,972	3,937	3,876	3,855	3,905	3,924	3,836	3,600	3,787
16 to 24 years	1,699	1,789	1,723	1,690	1,650	1,566	1,566	1,552	1,598	1,597	1,591	1,384	1,430
16 to 19 years	828	835	792	771	757	756	694	735	761	738	712	645	614
16 to 17 years	316	344	348	338	309	328	313	326	336	305	280	237	268
18 to 19 years	503	488	441	441	448	446	377	412	432	428	424	400	339
20 to 24 years	871	954	931	919	893	810	872	817	837	859	879	739	816
25 years and over	2,660	2,633	2,576	2,450	2,311	2,376	2,320	2,316	2,291	2,305	2,254	2,238	2,361
25 to 54 years	2,370	2,357	2,295	2,185	2,072	2,139	2,046	2,057	2,078	2,059	1,994	1,897	2,123
55 years and over	309	283	278	271	251	261	269	240	235	239	266	305	259

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(Civilian workers)

Sex and age	1983							1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	
Total, 16 years and over	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	
16 to 24 years	16.8	17.2	16.5	16.3	15.4	14.9	14.8	14.2	14.4	14.6	14.0	13.0	13.6	
16 to 19 years	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	
16 to 17 years	25.1	24.8	24.0	24.0	21.9	22.9	21.9	22.1	23.1	22.3	20.2	19.7	20.5	
18 to 19 years	20.8	21.6	20.5	20.3	19.3	18.8	17.6	17.5	18.1	17.5	18.2	16.3	16.7	
20 to 24 years	13.9	14.4	13.8	13.6	13.0	12.2	12.5	11.6	11.6	12.2	11.5	10.7	11.3	
25 years and over	7.4	7.3	7.2	6.8	6.5	6.4	6.2	6.1	5.9	6.0	5.7	5.6	5.9	
25 to 54 years	7.9	7.8	7.7	7.2	6.9	6.8	6.5	6.4	6.3	6.3	6.0	5.7	6.2	
55 years and over	5.3	5.1	5.2	5.0	4.9	4.9	4.7	4.3	4.3	4.2	4.4	4.6	4.4	
Men, 16 years and over	9.9	9.8	9.6	9.1	8.6	8.3	8.1	7.8	7.7	7.7	7.3	7.1	7.5	
16 to 24 years	18.4	18.6	17.6	17.3	15.9	15.6	15.6	14.6	14.6	15.0	14.0	13.7	14.6	
16 to 19 years	23.8	24.3	22.8	22.5	20.2	20.4	20.8	19.7	20.0	19.7	19.4	18.5	20.6	
16 to 17 years	27.3	26.0	23.9	24.3	22.0	23.3	21.6	21.6	23.0	23.7	21.3	22.7	23.0	
18 to 19 years	21.2	23.2	22.2	21.6	19.6	18.9	19.6	18.1	18.2	17.3	18.3	16.1	18.8	
20 to 24 years	15.8	15.7	15.0	14.7	13.8	13.3	13.1	12.1	11.9	12.7	11.5	11.4	11.7	
25 years and over	7.6	7.5	7.5	7.0	6.8	6.5	6.2	6.1	5.9	5.9	5.7	5.4	5.7	
25 to 54 years	8.1	8.0	8.0	7.4	7.1	6.7	6.6	6.4	6.1	6.2	5.9	5.6	5.9	
55 years and over	5.5	5.4	5.6	5.4	5.4	5.4	4.8	4.5	4.6	4.4	4.5	4.3	4.6	
Women, 16 years and over	9.0	9.1	8.8	8.5	8.2	8.1	7.9	7.8	7.9	7.9	7.7	7.2	7.6	
16 to 24 years	15.0	15.7	15.2	15.1	14.7	14.0	13.9	13.7	14.2	14.1	14.0	12.2	12.5	
16 to 19 years	21.5	21.1	20.6	20.5	20.1	19.8	18.0	18.9	19.8	19.0	18.6	16.7	15.9	
16 to 17 years	22.6	23.4	24.0	23.6	21.8	22.5	22.2	22.6	23.1	20.8	19.0	16.4	17.9	
18 to 19 years	20.5	19.9	18.5	18.8	19.0	18.7	15.4	16.9	18.1	17.8	18.1	16.5	14.4	
20 to 24 years	11.7	12.8	12.5	12.3	12.0	11.0	11.7	11.0	11.3	11.6	11.6	9.9	10.8	
25 years and over	7.1	7.0	6.9	6.5	6.2	6.3	6.2	6.1	6.0	6.0	5.8	5.8	6.1	
25 to 54 years	7.6	7.5	7.3	7.0	6.6	6.8	6.5	6.5	6.5	6.4	6.1	5.8	6.5	
55 years and over	5.1	4.7	4.5	4.4	4.1	4.3	4.5	4.0	3.9	3.9	4.3	5.0	4.2	

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1983							1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	
CHARACTERISTIC														
Total (all civilian workers)	9.5	9.5	9.2	8.8	8.4	8.2	8.0	7.8	7.8	7.8	7.5	7.1	7.5	
Men, 20 years and over	8.8	8.7	8.6	8.2	7.8	7.4	7.3	7.0	6.8	6.9	6.5	6.3	6.5	
Women, 20 years and over	7.9	8.0	7.8	7.5	7.2	7.1	7.1	6.9	6.9	7.0	6.8	6.4	6.9	
Both sexes, 16 to 19 years	22.7	22.8	21.8	21.6	20.2	20.1	19.4	19.3	19.9	19.4	19.0	17.6	18.3	
White	8.2	8.2	8.0	7.7	7.3	7.1	6.9	6.7	6.7	6.7	6.4	6.1	6.4	
Black and other	17.9	17.9	17.3	16.7	16.1	16.3	15.6	14.9	15.1	15.1	14.2	13.4	15.1	
Black	19.6	19.8	18.9	18.3	17.7	17.8	16.7	16.2	16.6	16.8	15.8	15.0	16.9	
Hispanic origin	12.3	12.9	13.1	12.4	12.3	11.6	11.2	10.2	11.3	11.5	10.5	10.0	10.6	
Married men, spouse present	6.2	6.3	6.1	5.7	5.5	5.2	5.0	4.9	4.7	4.7	4.5	4.5	4.6	
Married women, spouse present	7.0	6.9	6.8	6.3	6.0	6.1	6.0	5.9	5.8	5.8	5.8	5.6	5.9	
Women who maintain families	11.8	11.8	12.0	11.4	10.5	10.9	10.7	11.0	11.0	10.5	9.8	9.6	9.6	
Full-time workers	9.4	9.3	9.1	8.7	8.2	8.0	7.8	7.5	7.5	7.6	7.2	6.7	7.2	
Part-time workers	10.2	10.2	10.1	10.0	9.8	9.8	9.2	9.3	9.2	9.1	9.3	10.3	9.6	
Unemployed 15 weeks and over ¹	3.9	3.6	3.5	3.3	3.1	3.0	2.9	2.6	2.5	2.5	2.5	2.3	2.4	
Labor force time lost ²	10.7	10.7	10.5	10.0	9.7	9.4	9.2	8.9	8.8	8.9	8.5	8.3	8.7	
INDUSTRY														
Nonagricultural private wage and salary workers	9.7	9.8	9.4	9.0	8.6	8.3	7.9	7.8	7.6	7.7	7.2	7.0	7.4	
Mining	16.6	14.9	16.9	12.1	12.8	12.4	10.9	12.2	11.2	10.3	8.9	7.1	7.5	
Construction	18.0	17.9	18.1	15.8	15.6	16.3	15.0	15.1	13.3	14.3	14.8	14.8	14.7	
Manufacturing	10.7	11.2	10.2	9.6	8.9	8.3	8.4	7.5	7.5	7.7	7.1	7.2	7.5	
Durable goods	11.4	11.7	10.9	10.2	9.0	8.3	8.0	7.3	7.8	7.5	7.0	7.2	6.7	
Nondurable goods	9.7	10.5	9.3	8.7	8.7	8.2	8.9	7.8	7.2	8.0	7.1	7.3	8.6	
Transportation and public utilities	7.3	7.7	7.4	7.2	6.7	6.5	5.1	5.9	5.0	5.4	5.5	5.2	6.1	
Wholesale and retail trade	9.8	9.8	9.5	9.8	9.1	8.8	8.4	8.3	8.3	8.7	7.9	7.2	7.8	
Finance and service industries	7.3	7.2	7.0	6.9	6.7	6.6	6.3	6.3	6.4	6.1	5.5	5.4	5.9	
Agricultural wage and salary workers	15.0	15.1	16.5	16.2	15.7	15.6	15.5	14.0	14.6	12.2	13.9	11.8	14.6	

¹ Unemployment as a percent of the civilian labor force.

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

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

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

(Numbers in thousands)

Weeks of unemployment	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
DURATION													
Less than 5 weeks	3,529	3,633	3,740	3,504	3,328	3,382	3,233	3,359	3,386	3,438	3,238	3,174	3,462
5 to 14 weeks	2,841	2,951	2,784	2,725	2,616	2,504	2,556	2,484	2,539	2,493	2,433	2,294	2,490
15 weeks and over	4,398	4,078	3,889	3,655	3,527	3,369	3,201	2,984	2,873	2,855	2,851	2,619	2,689
15 to 26 weeks	1,794	1,597	1,383	1,372	1,337	1,284	1,166	1,173	1,114	1,111	1,186	1,008	1,100
27 weeks and over	2,604	2,481	2,506	2,283	2,190	2,085	2,035	1,810	1,759	1,744	1,664	1,611	1,589
Average (mean) duration, in weeks	21.3	19.9	20.2	20.1	20.2	19.6	20.5	18.8	18.8	18.5	18.4	18.6	18.1
Median duration, in weeks	10.1	9.4	9.4	9.5	9.4	9.0	9.2	8.3	8.3	8.1	8.7	7.2	7.6
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	32.8	34.1	35.9	35.5	35.1	36.5	36.0	38.1	38.5	39.1	38.0	39.2	40.1
5 to 14 weeks	26.4	27.7	26.7	27.6	27.6	27.1	28.4	28.1	28.9	28.4	28.6	28.4	28.8
15 weeks and over	40.8	38.2	37.3	37.0	37.2	36.4	35.6	33.8	32.7	32.5	33.5	32.4	31.1
15 to 26 weeks	16.7	15.0	13.3	13.9	14.1	13.9	13.0	13.3	12.7	12.6	13.9	12.5	12.7
27 weeks and over	24.2	23.3	24.1	23.1	23.1	22.5	22.6	20.5	20.0	19.8	19.5	19.9	18.4

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

(Numbers in thousands)

Reasons for unemployment	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
NUMBER OF UNEMPLOYED													
Job losers	6,235	6,133	5,938	5,601	5,226	5,017	4,825	4,737	4,614	4,527	4,327	4,220	4,511
On layoff	1,735	1,660	1,562	1,392	1,321	1,283	1,238	1,272	1,254	1,108	1,192	1,166	1,164
Other job losers	4,500	4,473	4,376	4,209	3,905	3,734	3,588	3,465	3,360	3,419	3,134	3,055	3,346
Job leavers	752	799	858	866	868	855	809	772	756	781	804	800	865
Reentrants	2,415	2,479	2,362	2,322	2,250	2,246	2,192	2,153	2,208	2,308	2,178	1,968	2,091
New entrants	1,229	1,214	1,234	1,127	1,154	1,150	1,175	1,092	1,213	1,216	1,186	1,136	1,092
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	58.6	57.7	57.1	56.5	55.0	54.1	53.6	54.1	52.5	51.3	50.9	51.9	52.7
On layoff	16.3	15.6	15.0	14.0	13.9	13.8	13.7	14.5	14.3	12.5	14.0	14.4	13.6
Other job losers	42.3	42.1	42.1	42.4	41.1	40.3	39.9	39.6	38.2	38.7	36.9	37.6	39.1
Job leavers	7.1	7.5	8.3	8.7	9.1	9.2	9.0	8.8	8.6	8.8	9.5	9.8	10.1
Reentrants	22.7	23.3	22.7	23.4	23.7	24.2	24.4	24.6	25.1	26.1	25.6	24.2	24.4
New entrants	11.6	11.4	11.9	11.4	12.1	12.4	13.1	12.5	13.8	13.8	14.0	14.0	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	5.6	5.5	5.3	5.0	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.7	4.0
Job leavers7	.7	.8	.8	.8	.8	.7	.7	.7	.7	.7	.7	.8
Reentrants	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.7	1.8
New entrants	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

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

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing									
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government			
													Federal	State	Local	
	Annual averages															
1933	23,699	20,533	8,965	744	824	7,397	14,734	2,672	(¹)	(¹)	1,280	2,861	565	(¹)	(¹)	
1934	25,940	22,641	10,261	883	877	8,501	15,679	2,750	(¹)	(¹)	1,304	3,045	652	(¹)	(¹)	
1935	27,039	23,558	10,893	897	927	9,069	16,146	2,786	(¹)	(¹)	1,320	3,128	753	(¹)	(¹)	
1936	29,068	25,400	11,933	946	1,160	9,827	17,135	2,973	(¹)	(¹)	1,373	3,312	826	(¹)	(¹)	
1937	31,011	27,255	12,936	1,015	1,127	10,794	18,075	3,134	(¹)	(¹)	1,417	3,503	833	(¹)	(¹)	
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	(¹)	(¹)	1,410	3,458	829	(¹)	(¹)	
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	1,762	4,664	1,447	3,502	905	(¹)	(¹)	
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,835	4,914	1,485	3,665	996	(¹)	(¹)	
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,960	5,251	1,525	3,905	1,340	(¹)	(¹)	
1942	40,106	34,624	18,470	992	2,198	15,280	21,636	3,460	1,906	5,212	1,509	4,066	2,213	(¹)	(¹)	
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,822	5,160	1,481	4,130	2,905	(¹)	(¹)	
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,845	5,214	1,461	4,145	2,928	(¹)	(¹)	
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,949	5,365	1,481	4,222	2,808	(¹)	(¹)	
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,291	6,084	1,675	4,697	2,254	(¹)	(¹)	
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,471	6,485	1,728	5,025	1,892	(¹)	(¹)	
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,605	6,667	1,800	5,181	1,863	(¹)	(¹)	
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,602	6,662	1,828	5,240	1,908	(¹)	(¹)	
1950	45,197	39,170	18,506	901	2,384	15,241	26,691	4,034	2,635	6,751	1,888	5,357	1,928	(¹)	(¹)	
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,727	7,015	1,956	5,547	2,302	(¹)	(¹)	
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,812	7,192	2,035	5,699	2,420	(¹)	(¹)	
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,854	7,393	2,111	5,835	2,305	(¹)	(¹)	
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,867	7,368	2,200	5,969	2,188	(¹)	(¹)	
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,926	7,610	2,298	6,240	2,187	1,168	3,558	
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,018	7,840	2,389	6,497	2,209	1,250	3,819	
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,028	7,858	2,438	6,708	2,217	1,328	4,071	
1958	51,324	43,483	19,513	751	2,817	15,945	31,811	3,976	2,980	7,770	2,481	6,765	2,191	389	2,165	
1959 ^a	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	420	2,250	
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	448	2,369	
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	474	2,468	
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	511	2,581	
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	557	2,737	
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,348	609	2,906	
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	679	3,102	
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	775	3,375	
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	873	3,572	
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	958	3,736	
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	1,042	3,874	
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	1,104	4,004	
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	1,149	4,188	
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,113	11,636	3,908	12,276	2,684	2,859	7,790	
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146	
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407	
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758	
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865	
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023	
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446	
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633	
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765	
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,671	
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458	
1983	90,138	74,288	23,394	957	3,940	18,497	66,744	4,958	5,259	15,545	5,467	19,665	2,752	3,660	9,439	
	Monthly data, seasonally adjusted															
1983:																
July	90,274	74,452	23,414	946	3,947	18,521	66,860	5,001	5,256	15,580	5,478	19,723	2,744	3,662	9,416	
August	89,918	74,110	23,532	950	3,985	18,597	66,386	4,369	5,277	15,626	5,498	19,808	2,747	3,668	9,393	
September	91,018	75,063	23,669	952	4,019	18,698	67,349	5,046	5,301	15,671	5,503	19,893	2,774	3,672	9,489	
October	91,345	75,481	23,895	965	4,044	18,886	67,450	5,053	5,322	15,737	5,512	19,962	2,760	3,667	9,437	
November	91,688	75,814	24,058	967	4,073	19,018	67,630	5,043	5,344	15,805	5,530	20,034	2,759	3,669	9,446	
December	92,026	76,157	24,198	969	4,086	19,143	67,828	5,055	5,371	15,857	5,546	20,130	2,762	3,668	9,439	
1984:																
January	92,391	76,533	24,383	975	4,154	19,254	68,008	5,095	5,406	15,914	5,573	20,162	2,760	3,670	9,428	
February	92,846	76,971	24,577	978	4,226	19,373	68,269	5,105	5,438	15,980	5,593	20,278	2,763	3,682	9,430	
March	93,058	77,185	24,595	978	4,151	19,466	68,463	5,112	5,457	16,030	5,613	20,378	2,770	3,686	9,417	
April	93,449	77,546	24,760	984	4,246	19,530	68,689	5,129	5,473	16,095	5,640	20,449	2,771	3,693	9,439	
May	93,768	77,864	24,851	995	4,286	19,570	68,917	5,144	5,492	16,166	5,662	20,549	2,767	3,699	9,438	
June ^b	94,076	78,203	24,989	1,002	4,348	19,639	69,087	5,151	5,501	16,234	5,676	20,652	2,765	3,680	9,428	
July ^c	94,378	78,448	25,126	1,002	4,380	19,744	69,252	5,179	5,511	16,264	5,677	20,692	2,767	3,695	9,469	

¹ Not available.

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

^p = preliminary.

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

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Total		90,738	90,112	94,146	94,948	94,264	-	-	-	-	-
Total private		74,765	75,001	77,913	78,938	79,056	60,508	60,678	63,121	64,012	64,072
Mining		950	959	993	1,013	1,016	672	680	710	725	729
Metal mining	10	57.9	56.7	59.0	59.6	-	42.4	41.4	43.2	43.6	-
Iron ores	101	11.0	10.9	12.1	12.3	-	7.5	7.3	9.1	9.2	-
Copper ores	102	19.9	18.7	18.4	18.4	-	14.5	13.5	13.0	13.1	-
Coal mining	11,12	194.0	194.2	205.5	207.5	-	156.2	156.7	166.9	168.8	-
Bituminous coal and lignite mining	12	191.1	191.4	202.9	205.0	-	153.7	154.2	164.6	166.6	-
Oil and gas extraction	13	587.7	596.3	613.1	627.2	630.7	389.0	396.4	411.6	421.6	-
Crude petroleum, natural gas, and natural gas liquids	131,2	266.1	267.4	257.3	261.5	-	124.4	124.9	118.5	119.9	-
Oil and gas field services	138	321.6	328.9	355.8	365.7	-	264.6	271.5	293.1	301.7	-
Nonmetallic minerals, except fuels	14	110.1	111.3	115.4	118.7	-	84.2	85.1	88.3	91.2	-
Crushed and broken stone	142	36.7	36.9	37.6	39.0	-	29.3	29.4	30.0	31.3	-
Sand and gravel	144	34.4	35.3	36.9	38.3	-	-	-	-	-	-
Chemical and fertilizer minerals	147	20.2	20.0	21.4	21.5	-	-	-	-	-	-
Construction		4,065	4,185	4,299	4,522	4,647	3,145	3,254	3,345	3,552	3,666
General building contractors	15	1,052.3	1,094.7	1,121.3	1,185.8	1,216.2	781.6	819.0	834.4	892.5	-
Residential building construction	152	517.3	534.0	545.1	585.4	-	376.1	388.5	394.0	430.4	-
Operative builders	153	59.1	61.2	63.0	65.0	-	33.1	34.5	34.6	36.2	-
Nonresidential building construction	154	475.9	499.5	513.2	535.4	-	372.4	396.0	405.8	425.9	-
Heavy construction contractors	16	835.2	849.3	806.4	859.6	-	678.2	692.5	659.9	713.3	-
Highway and street construction	161	267.4	275.1	264.7	294.2	-	227.6	234.9	222.8	251.1	-
Heavy construction, except highway	162	567.8	574.2	541.7	565.4	-	450.6	457.6	437.1	462.2	-
Special trade contractors	17	2,177.7	2,240.5	2,371.6	2,477.0	-	1,685.5	1,742.0	1,850.8	1,946.5	-
Plumbing, heating, and air conditioning	171	497.4	505.7	527.3	545.2	-	357.7	365.2	385.7	401.3	-
Painting, paper hanging, and decorating	172	137.1	143.7	142.9	151.1	-	114.4	120.9	118.5	126.6	-
Electrical work	173	399.8	409.1	428.7	443.3	-	300.6	308.8	325.1	337.2	-
Masonry, stonework, and plastering	174	331.7	343.6	369.0	390.7	-	280.8	291.9	313.4	333.3	-
Carpentering and flooring	175	121.4	124.2	130.9	135.5	-	91.8	94.0	97.9	102.5	-
Roofing and sheet metal work	176	167.4	174.0	181.7	189.5	-	133.0	138.8	146.0	153.2	-
Manufacturing		18,513	18,464	19,554	19,780	19,690	12,595	12,527	13,459	13,624	13,521
Durable goods		10,770	10,761	11,621	11,759	11,715	7,152	7,126	7,861	7,956	7,897
Lumber and wood products	24	676.4	685.9	713.5	735.2	731.3	565.9	574.5	598.8	618.8	616.2
Logging camps and logging contractors	241	85.2	88.0	79.6	88.3	-	67.0	69.4	61.3	69.2	-
Sawmills and planing mills	242	200.2	202.5	210.5	215.0	-	177.9	180.1	186.8	190.9	-
Sawmills and planing mills, general	2421	168.1	170.4	174.7	178.8	-	149.8	151.9	155.5	159.2	-
Hardwood dimension and flooring	2426	27.8	27.9	30.6	31.1	-	24.3	24.4	26.8	27.3	-
Millwork, plywood, and structural members	243	202.8	205.8	221.6	226.3	-	168.0	170.8	185.7	190.3	-
Millwork	2431	75.0	76.4	82.0	84.7	-	60.4	61.7	66.7	69.2	-
Wood kitchen cabinets	2434	49.3	50.8	58.8	60.1	-	39.2	40.6	48.2	49.4	-
Hardwood veneer and plywood	2435	23.2	23.1	25.0	25.2	-	20.3	20.2	22.1	22.3	-
Softwood veneer and plywood	2436	38.0	37.2	37.0	36.7	-	34.2	33.4	33.7	33.4	-
Wood containers	244	38.7	39.1	41.5	42.8	-	32.7	33.1	35.4	36.6	-
Wood buildings and mobile homes	245	73.1	75.5	77.0	79.2	-	56.8	59.1	60.0	61.8	-
Mobile homes	2451	53.4	55.1	56.9	58.1	-	43.2	44.8	46.1	47.1	-
Miscellaneous wood products	249	76.4	75.0	83.3	83.6	-	63.5	62.0	69.6	70.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Furniture and fixtures	25	443.9	442.9	480.5	483.4	475.1	352.2	350.8	383.7	386.2	378.8
Household furniture	251	277.1	273.3	288.6	287.2	-	229.4	226.0	241.3	240.0	-
Wood household furniture	2511	123.6	122.4	126.8	126.5	-	106.7	105.6	109.9	109.8	-
Upholstered household furniture	2512	85.7	85.1	89.2	89.0	-	69.1	68.7	73.1	72.9	-
Metal household furniture	2514	26.6	24.9	30.6	29.1	-	21.4	19.8	25.0	23.4	-
Mattresses and bedsprings	2515	29.2	28.9	29.3	29.6	-	22.1	21.8	22.4	22.9	-
Office furniture	252	54.4	55.1	64.9	66.4	-	41.7	42.1	49.9	51.2	-
Public building and related furniture	253	23.2	23.3	25.2	25.6	-	17.0	17.2	19.0	19.4	-
Partitions and fixtures	254	58.0	59.4	65.9	68.0	-	42.7	44.0	49.1	50.9	-
Miscellaneous furniture and fixtures	259	31.2	31.8	35.9	36.2	-	21.4	21.5	24.4	24.7	-
Stone, clay, and glass products	32	583.6	585.7	608.9	620.2	622.4	445.9	447.8	468.0	478.9	481.2
Flat glass	321	15.5	15.4	15.7	16.0	-	12.2	11.9	12.4	12.7	-
Glass and glassware, pressed or blown	322	105.4	104.7	100.6	101.5	-	88.7	88.0	85.4	86.5	-
Glass containers	3221	57.9	57.9	51.6	52.8	-	50.9	51.0	45.5	46.7	-
Pressed and blown glass, nec	3229	47.5	46.8	49.0	48.7	-	37.8	37.0	39.9	39.8	-
Products of purchased glass	323	44.9	45.0	48.8	49.5	-	29.7	29.8	33.6	34.3	-
Cement, hydraulic	324	26.3	26.5	26.2	26.7	-	20.8	21.0	20.5	21.0	-
Structural clay products	325	36.2	36.6	39.6	40.6	-	27.5	27.8	30.7	31.5	-
Pottery and related products	326	38.9	38.3	40.8	41.4	-	30.4	30.0	32.4	32.6	-
Concrete, gypsum, and plaster products	327	193.0	196.4	204.8	210.3	-	148.9	152.4	158.7	164.6	-
Concrete block and brick	3271	18.0	18.3	19.3	19.7	-	12.2	12.4	13.2	13.7	-
Concrete products, nec	3272	62.0	63.5	68.4	69.7	-	46.0	47.7	51.0	52.6	-
Ready-mixed concrete	3273	95.3	96.8	98.5	102.0	-	76.5	78.0	79.8	83.2	-
Misc. nonmetallic mineral products	329	112.6	112.0	121.3	122.9	-	79.2	78.5	85.5	86.7	-
Abrasive products	3291	22.5	22.7	24.5	24.8	-	14.8	14.9	16.2	16.6	-
Asbestos products	3292	12.1	11.7	12.4	12.7	-	8.9	8.6	9.5	9.8	-
Mineral wool	3296	26.0	26.6	27.7	27.6	-	-	-	-	-	-
Primary metal industries	33	838.0	835.4	891.3	894.6	886.5	623.9	621.4	681.1	681.8	673.5
Blast furnaces and basic steel products	331	345.8	346.9	350.5	350.8	346.0	259.8	260.8	271.3	270.9	-
Blast furnaces and steel mills	3312	282.2	283.4	280.6	280.0	-	213.6	214.7	218.8	217.9	-
Steel pipe and tubes	3317	24.0	23.8	25.4	25.7	-	17.0	16.8	18.7	18.8	-
Iron and steel foundries	332	140.8	139.9	158.2	160.0	-	107.2	106.6	125.8	127.0	-
Gray iron foundries	3321	90.4	89.1	101.7	102.4	-	71.6	70.3	83.4	83.7	-
Malleable iron foundries	3322	10.5	10.5	12.0	12.2	-	7.5	7.5	9.0	9.0	-
Steel foundries, nec	3325	29.8	30.0	32.7	33.3	-	21.4	21.6	24.7	25.4	-
Primary nonferrous metals	333	49.8	49.6	54.6	54.5	-	35.9	35.7	40.3	40.0	-
Primary aluminum	3334	25.2	25.9	29.6	29.5	-	18.9	19.6	23.1	22.9	-
Nonferrous rolling and drawing	335	182.9	182.0	190.9	190.5	-	128.9	128.3	135.6	134.3	-
Copper rolling and drawing	3351	25.2	24.9	26.8	27.1	-	18.4	18.1	19.9	20.1	-
Aluminum sheet, plate, and foil	3353	29.4	30.5	31.3	30.0	-	22.4	23.7	23.9	22.3	-
Nonferrous wire drawing and insulating	3357	79.2	77.5	81.3	81.5	-	55.7	54.3	57.7	57.7	-
Nonferrous foundries	336	78.4	76.7	89.7	90.6	-	62.7	60.9	72.3	73.2	-
Aluminum foundries	3361	46.7	46.0	54.9	55.5	-	38.4	37.4	45.2	45.8	-
Fabricated metal products	34	1,369.1	1,356.3	1,468.7	1,488.1	1,475.3	993.4	980.6	1,082.9	1,100.2	1,087.7
Metal cans and shipping containers	341	62.4	62.4	61.2	62.0	-	52.8	52.7	51.9	52.4	-
Metal cans	3411	50.1	50.1	49.0	49.5	-	43.2	43.2	42.3	42.5	-
Cutlery, hand tools, and hardware	342	137.7	135.0	146.6	147.3	-	101.6	98.4	109.7	110.0	-
Hand and edge tools, and hand saws and blades	3423,5	43.3	42.5	46.2	46.5	-	31.5	30.5	34.3	34.5	-
Hardware, nec	3429	80.8	79.6	86.8	87.1	-	60.8	59.3	66.2	66.4	-
Plumbing and heating, except electric	343	60.3	59.5	65.4	65.7	-	42.3	41.2	46.7	47.1	-
Plumbing fittings and brass goods	3432	24.4	24.0	27.9	28.1	-	18.6	17.9	21.2	21.4	-
Heating equipment, except electric	3433	27.1	27.1	27.8	28.3	-	17.6	17.6	18.2	18.8	-
Fabricated structural metal products	344	424.5	426.6	447.9	458.2	-	285.6	287.5	304.9	314.2	-
Fabricated structural metal	3441	75.4	76.2	78.3	79.9	-	51.6	52.2	54.2	55.9	-
Metal doors, sash, and trim	3442	82.3	84.1	88.7	91.3	-	60.2	61.8	64.5	67.1	-
Fabricated plate work (boiler shops)	3443	104.7	102.6	104.8	106.1	-	60.2	58.8	60.6	62.1	-
Sheet metal work	3444	103.3	105.2	113.9	117.0	-	74.1	75.6	83.5	85.9	-
Architectural metal work	3446	27.2	26.5	27.3	27.9	-	18.8	18.2	19.7	20.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	85.3	83.3	95.0	96.0	-	63.2	61.5	72.8	73.6	-
Screw machine products	3451	39.4	38.8	45.9	46.4	-	30.8	30.4	37.4	37.7	-
Bolts, nuts, rivets, and washers	3452	45.9	44.5	49.1	49.6	-	32.4	31.1	35.4	35.9	-
Metal forgings and stampings	346	225.6	222.9	255.3	257.2	-	178.3	175.4	205.0	206.7	-
Iron and steel forgings	3462	30.3	30.2	34.0	34.5	-	22.7	22.4	26.3	26.6	-
Automotive stampings	3465	85.5	83.3	99.4	99.6	-	72.5	70.3	85.2	85.7	-
Metal stampings, nec	3469	99.5	98.8	110.8	111.8	-	75.4	74.7	85.2	86.0	-
Metal services, nec	347	96.0	93.0	102.3	103.3	-	76.7	73.8	82.3	83.2	-
Plating and polishing	3471	66.2	63.5	71.0	71.7	-	54.1	51.5	58.3	58.9	-
Metal coating and allied services	3479	29.8	29.5	31.3	31.6	-	22.6	22.3	24.0	24.3	-
Ordnance and accessories, nec	348	64.6	64.6	67.0	68.1	-	41.4	41.3	43.5	44.5	-
Ammunition, except for small arms, nec	3483	29.1	29.1	30.8	31.0	-	18.9	18.7	19.9	20.3	-
Misc. fabricated metal products	349	212.7	209.0	228.0	230.3	-	151.5	148.8	166.1	168.5	-
Valves and pipe fittings	3494	82.9	80.5	85.4	86.2	-	54.0	52.1	57.6	58.3	-
Misc. fabricated wire products	3496	50.7	50.5	56.8	57.4	-	38.0	38.0	43.4	44.2	-
Machinery, except electrical	35	2,026.9	2,027.8	2,207.6	2,233.2	2,235.0	1,190.3	1,188.3	1,347.0	1,363.7	1,360.8
Engines and turbines	351	107.5	105.3	113.3	112.7	-	64.0	61.8	70.8	69.9	-
Turbines and turbine generator sets	3511	35.5	35.2	34.7	34.7	-	18.2	17.5	17.4	17.4	-
Internal combustion engines, nec	3519	72.0	70.1	78.6	78.0	-	45.8	44.3	53.4	52.5	-
Farm and garden machinery	352	108.3	104.1	119.2	117.8	-	70.7	67.6	80.8	79.4	-
Farm machinery and equipment	3523	88.9	85.7	95.9	94.6	-	57.2	54.9	63.6	62.4	-
Construction and related machinery	353	254.0	253.1	276.3	278.6	-	144.3	144.2	169.8	172.6	-
Construction machinery	3531	87.9	87.5	95.6	96.2	-	46.5	46.6	58.1	58.5	-
Mining machinery	3532	22.0	22.2	23.9	24.1	-	12.3	12.5	14.2	14.4	-
Oil field machinery	3533	69.8	68.9	75.7	76.0	-	42.6	42.1	48.6	49.6	-
Conveyors and conveying equipment	3535	25.8	25.9	28.7	29.9	-	13.2	13.3	15.0	16.3	-
Industrial trucks and tractors	3537	24.9	25.0	28.0	28.5	-	15.3	15.4	18.8	19.2	-
Metalworking machinery	354	274.1	274.4	308.0	311.1	-	188.7	189.4	218.6	221.0	-
Machine tools, metal cutting types	3541	51.6	50.8	55.9	56.4	-	29.3	28.8	33.7	34.2	-
Machine tools, metal forming types	3542	16.9	16.9	18.9	19.1	-	9.8	9.8	11.5	11.6	-
Special dies, tools, jigs, and fixtures	3544	117.9	118.5	133.6	135.1	-	90.8	91.3	104.9	106.0	-
Machine tool accessories	3545	50.3	49.9	58.3	58.9	-	33.9	33.7	40.7	41.2	-
Power driven hand tools	3546	21.3	21.5	23.6	23.8	-	15.3	15.5	16.5	16.6	-
Special industry machinery	355	159.4	159.3	167.5	169.6	-	93.2	92.9	100.2	101.8	-
Food products machinery	3551	36.3	36.0	36.7	36.6	-	22.3	21.9	22.7	22.6	-
Textile machinery	3552	20.4	20.2	21.4	21.3	-	13.7	13.5	14.8	14.7	-
Printing trades machinery	3555	33.0	32.9	33.9	34.7	-	18.9	18.8	19.7	20.4	-
General industrial machinery	356	250.6	251.1	276.0	280.1	-	154.1	154.0	176.4	179.5	-
Pumps and pumping equipment	3561	48.6	48.2	52.8	54.0	-	26.9	26.4	30.5	31.4	-
Ball and roller bearings	3562	43.2	43.2	49.8	50.5	-	31.9	31.6	37.7	38.4	-
Air and gas compressors	3563	23.4	23.6	22.8	23.1	-	11.7	11.9	12.3	12.7	-
Blowers and fans	3564	31.6	31.5	34.7	35.1	-	19.3	19.1	21.5	21.7	-
Speed changers, drives, and gears	3566	18.5	18.5	20.3	20.8	-	11.8	11.7	13.6	14.0	-
Power transmission equipment, nec	3568	16.2	16.4	19.4	19.4	-	10.7	10.8	13.2	13.3	-
Office and computing machines	357	478.6	483.4	501.2	510.5	-	191.5	192.4	201.5	205.0	-
Electronic computing equipment	3573	412.3	417.8	435.9	443.9	-	157.9	160.3	166.8	170.0	-
Refrigeration and service machinery	358	156.6	157.8	180.0	182.2	-	107.0	108.1	127.2	128.4	-
Refrigeration and heating equipment	3585	108.8	110.2	127.5	128.8	-	75.7	76.8	92.2	92.8	-
Misc. machinery, except electrical	359	237.8	239.3	266.1	270.6	-	176.8	177.9	201.7	206.1	-
Carburetors, pistons, rings, and valves	3592	33.4	33.5	38.0	38.7	-	26.6	26.6	30.6	31.6	-
Machinery, except electrical, nec	3599	204.4	205.8	228.1	231.9	-	150.2	151.3	171.1	174.5	-
Electrical and electronic equipment	36	2,017.2	2,018.5	2,223.1	2,252.4	2,256.6	1,222.5	1,218.4	1,378.7	1,394.0	1,399.7
Electric distributing equipment	361	107.5	105.7	113.0	114.3	-	76.5	75.3	81.8	83.0	-
Transformers	3612	47.9	46.6	50.8	51.3	-	33.5	32.5	36.7	37.2	-
Switchgear and switchboard apparatus	3613	59.6	59.1	62.2	63.0	-	43.0	42.8	45.1	45.8	-
Electrical industrial apparatus	362	195.6	196.1	215.6	217.0	-	134.6	134.7	153.6	155.1	-
Motors and generators	3621	97.6	97.7	107.7	108.1	-	74.4	74.4	83.9	84.4	-
Industrial controls	3622	61.4	61.3	67.4	68.0	-	36.0	35.8	41.6	42.2	-
Household appliances	363	141.4	141.1	155.9	153.3	-	110.7	109.7	123.5	121.2	-
Household refrigerators and freezers	3632	26.2	27.8	31.7	28.7	-	20.9	22.5	26.2	23.2	-
Household laundry equipment	3633	19.0	19.0	19.0	19.5	-	14.9	14.8	14.5	14.9	-
Electric housewares and fans	3634	41.9	39.9	44.3	44.8	-	32.3	29.9	34.0	34.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	186.5	184.0	203.0	205.0	-	136.2	134.7	149.0	150.4	-
Electric lamps	3641	27.5	27.5	28.8	29.2	-	24.0	24.0	25.0	25.4	-
Current-carrying wiring devices	3643	77.9	76.9	87.0	88.2	-	51.9	51.6	58.5	59.2	-
Noncurrent-carrying wiring devices	3644	17.1	16.9	17.6	17.8	-	12.3	12.1	12.6	12.8	-
Residential lighting fixtures	3645	25.2	24.3	26.7	26.6	-	19.0	18.4	20.1	20.2	-
Radio and TV receiving equipment	365	85.7	82.6	89.5	91.3	-	59.4	55.7	62.1	63.8	-
Radio and TV receiving sets	3651	66.0	63.2	70.0	71.6	-	44.9	41.7	47.7	49.3	-
Communication equipment	366	573.6	577.7	605.4	612.4	-	261.1	262.5	279.1	281.9	-
Telephone and telegraph apparatus	3661	141.6	143.5	150.4	151.2	-	89.0	90.4	96.9	97.9	-
Radio and TV communication equipment	3662	432.0	434.2	455.0	461.2	-	172.1	172.1	182.2	184.0	-
Electronic components and accessories	367	582.5	587.2	680.2	699.2	-	341.8	344.7	414.2	424.1	-
Electronic tubes	3671-3	39.3	39.3	41.5	41.9	-	25.0	24.9	25.5	25.8	-
Semiconductors and related devices	3674	234.2	235.8	267.8	278.9	-	98.1	99.4	117.7	121.8	-
Electronic components, nec	3679	237.3	239.6	281.9	287.0	-	165.1	165.9	201.8	205.5	-
Misc. electrical equipment and supplies	369	144.4	144.1	160.5	159.9	-	102.2	101.1	115.4	114.5	-
Storage batteries	3691	27.3	27.1	29.8	30.2	-	21.3	21.0	23.2	23.6	-
Engine electrical equipment	3694	56.5	55.8	65.0	64.9	-	43.7	42.9	51.4	50.8	-
Transportation equipment	37	1,747.7	1,751.9	1,921.6	1,934.6	1,921.7	1,098.7	1,095.4	1,235.1	1,239.8	1,215.8
Motor vehicles and equipment	371	753.6	755.9	864.5	870.4	858.7	569.0	568.0	668.0	671.4	-
Motor vehicles and car bodies	3711	351.9	355.1	384.5	387.9	-	256.3	257.0	284.5	286.3	-
Truck and bus bodies	3713	33.8	33.8	40.2	40.5	-	25.7	25.8	31.5	32.0	-
Motor vehicle parts and accessories	3714	334.3	332.4	387.9	391.0	-	261.0	258.5	310.0	312.3	-
Truck trailers	3715	22.0	22.6	33.4	34.1	-	16.6	17.0	26.6	27.1	-
Aircraft and parts	372	575.7	575.1	595.4	600.1	-	280.1	277.0	286.4	286.9	-
Aircraft	3721	306.0	305.8	316.5	318.9	-	131.9	129.8	133.1	133.4	-
Aircraft engines and engine parts	3724	139.6	138.8	142.7	144.0	-	73.9	72.8	75.1	75.2	-
Aircraft equipment, nec	3728	130.1	130.5	136.2	137.2	-	74.3	74.4	78.2	78.3	-
Ship and boat building and repairing	373	186.9	189.7	208.1	208.4	-	142.2	144.7	157.7	158.8	-
Ship building and repairing	3731	144.1	147.3	156.7	156.6	-	106.7	109.8	115.0	115.8	-
Boat building and repairing	3732	42.8	42.4	51.4	51.8	-	35.5	34.9	42.7	43.0	-
Railroad equipment	374	29.8	30.0	36.4	36.9	-	18.8	18.9	25.0	25.3	-
Guided missiles, space vehicles, and parts	376	138.8	140.7	149.1	151.5	-	44.7	45.6	49.5	50.1	-
Guided missiles and space vehicles	3761	107.7	109.2	115.2	117.1	-	33.5	34.3	37.3	37.7	-
Miscellaneous transportation equipment	379	47.6	45.4	50.9	50.4	-	32.6	30.2	35.7	34.6	-
Travel trailers and campers	3792	21.0	19.6	23.2	22.6	-	16.6	15.3	18.6	17.8	-
Instruments and related products	38	692.5	690.2	720.6	727.5	729.2	388.6	384.6	404.4	407.5	404.7
Engineering and scientific instruments	381	75.8	76.0	79.7	80.4	-	35.1	34.8	35.8	36.0	-
Measuring and controlling devices	382	232.0	232.0	250.3	254.1	-	136.2	135.4	145.4	147.3	-
Environmental controls	3822	41.8	41.9	47.2	47.3	-	27.3	27.1	30.4	30.7	-
Process control instruments	3823	52.5	52.1	53.5	54.5	-	25.2	24.7	25.8	26.5	-
Instruments to measure electricity	3825	97.9	98.6	106.0	108.0	-	56.8	57.1	60.5	61.0	-
Optical instruments and lenses	383	32.7	32.8	31.7	32.0	-	16.2	16.4	17.0	17.2	-
Medical instruments and supplies	384	169.7	169.3	177.2	176.1	-	103.1	102.7	107.6	106.7	-
Surgical and medical instruments	3841	85.0	85.3	86.4	85.0	-	49.4	49.8	49.7	48.7	-
Surgical appliances and supplies	3842	70.7	70.1	76.1	76.3	-	45.6	44.9	49.4	49.5	-
Ophthalmic goods	385	38.8	38.2	40.9	41.1	-	26.7	25.9	27.3	27.3	-
Photographic equipment and supplies	386	127.3	127.2	124.4	127.4	-	60.2	59.5	59.7	61.4	-
Watches, clocks, and watchcases	387	16.2	14.7	16.4	16.4	-	11.1	9.9	11.6	11.6	-
Miscellaneous manufacturing	39	375.0	366.1	385.1	389.3	381.4	270.7	263.8	280.8	284.8	278.5
Jewelry, silverware, and plated ware	391	52.6	48.9	52.1	52.2	-	37.0	34.1	35.9	35.8	-
Jewelry, precious metal	3911	35.0	32.3	34.6	34.7	-	24.5	22.5	23.8	23.6	-
Musical instruments	393	16.6	16.8	17.7	17.1	-	12.9	13.1	13.8	13.4	-
Toys and sporting goods	394	110.9	110.9	119.5	121.7	-	80.2	80.5	90.1	92.1	-
Dolls, games, toys, and children's vehicles	3942,4	59.5	59.5	59.2	61.7	-	41.2	41.7	43.2	45.5	-
Sporting and athletic goods, nec	3949	51.4	51.4	60.3	60.0	-	39.0	38.8	46.9	46.6	-
Pens, pencils, office, and art supplies	395	32.9	32.3	33.8	34.2	-	23.0	22.5	23.0	23.5	-
Costume jewelry and notions	396	37.8	34.0	35.4	36.2	-	29.1	25.8	26.8	27.8	-
Costume jewelry	3961	20.7	18.2	19.2	20.2	-	16.0	13.9	14.5	15.6	-
Miscellaneous manufactures	399	124.2	123.2	126.6	127.9	-	88.5	87.8	91.2	92.2	-
Signs and advertising displays	3993	47.2	47.0	49.7	50.6	-	33.2	33.0	35.2	36.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Nondurable goods		7,743	7,703	7,933	8,021	7,975	5,443	5,401	5,598	5,668	5,624
Food and kindred products	20	1,618.2	1,658.0	1,599.1	1,639.8	1,681.8	1,112.5	1,148.8	1,098.3	1,134.7	1,176.0
Meat products	201	342.2	349.4	351.2	355.2	-	284.9	291.6	294.1	298.1	-
Meat packing plants	2011	138.6	143.2	145.0	146.2	-	112.2	116.4	119.2	120.8	-
Sausages and other prepared meats	2013	72.5	73.5	71.8	72.1	-	53.9	54.7	53.2	53.4	-
Poultry dressing plants	2016	113.6	115.2	117.2	119.5	-	103.4	105.0	106.5	108.5	-
Dairy products	202	168.0	168.0	164.1	168.5	-	97.3	97.6	95.8	99.3	-
Cheese, natural and processed	2022	38.7	38.5	37.1	38.2	-	29.7	29.6	28.5	29.3	-
Fluid milk	2026	90.0	89.9	88.1	89.5	-	41.8	41.9	41.8	42.9	-
Preserved fruits and vegetables	203	226.9	252.4	215.0	229.7	-	185.8	209.8	174.4	187.8	-
Canned specialties	2032	23.8	24.3	25.0	25.8	-	17.5	18.0	18.5	19.2	-
Canned fruits and vegetables	2033	75.7	99.1	68.6	77.0	-	59.5	82.2	54.2	61.5	-
Frozen fruits and vegetables	2037	52.1	50.8	46.5	47.6	-	45.3	44.0	40.7	42.0	-
Grain mill products	204	132.0	131.7	128.4	129.8	-	89.2	89.0	86.0	87.4	-
Flour and other grain mill products	2041	25.3	25.5	24.4	24.6	-	15.1	15.2	14.6	14.7	-
Prepared feeds, nec	2048	48.5	48.3	46.6	47.5	-	31.1	31.0	29.2	30.3	-
Bakery products	205	217.0	217.7	214.7	215.9	-	128.9	129.5	127.7	129.2	-
Bread, cake, and related products	2051	172.6	172.9	170.2	170.5	-	93.2	93.5	91.8	92.8	-
Cookies and crackers	2052	44.4	44.8	44.5	45.4	-	35.7	36.0	35.9	36.4	-
Sugar and confectionery products	206	96.0	95.8	94.8	97.2	-	73.7	73.7	71.5	74.0	-
Cane and beet sugar	2061-3	23.8	23.5	23.4	23.0	-	17.7	17.7	17.7	17.4	-
Confectionery products	2065	52.4	52.2	52.0	54.5	-	42.5	42.4	40.8	43.4	-
Fats and oils	207	38.8	38.8	38.9	39.6	-	28.7	28.7	28.8	29.1	-
Beverages	208	228.5	230.7	225.9	230.3	-	98.0	98.5	96.8	99.7	-
Malt beverages	2082	48.9	49.9	48.6	49.0	-	30.5	30.5	29.9	30.5	-
Bottled and canned soft drinks	2086	133.3	134.7	132.7	135.9	-	43.4	44.0	43.3	44.8	-
Misc. food and kindred products	209	168.8	173.5	166.1	173.6	-	126.0	130.4	123.2	130.1	-
Tobacco manufactures	21	64.4	63.9	61.9	62.3	61.6	48.2	47.8	45.5	46.1	42.6
Cigarettes	211	47.5	47.7	44.4	45.0	-	35.7	35.9	32.6	33.3	-
Textile mill products	22	746.0	732.5	763.2	763.6	745.8	643.7	630.5	660.5	661.3	644.6
Weaving mills, cotton	221	124.1	122.1	122.9	121.8	-	110.3	108.4	110.2	109.3	-
Weaving mills, synthetics	222	91.3	90.1	92.8	92.3	-	81.7	80.5	82.7	82.3	-
Weaving and finishing mills, wool	223	17.7	16.7	19.1	19.2	-	14.9	13.9	16.1	16.1	-
Narrow fabric mills	224	22.5	20.9	23.4	23.3	-	19.4	17.8	20.0	19.9	-
Knitting mills	225	206.3	205.0	210.4	211.3	-	178.1	177.2	183.1	184.2	-
Women's hosiery, except socks	2251	33.4	33.0	35.1	34.6	-	29.7	29.6	31.5	31.2	-
Hosiery, nec	2252	35.2	35.2	35.7	35.7	-	31.9	31.8	32.1	32.1	-
Knit outerwear mills	2253	62.8	61.9	63.4	64.3	-	53.7	52.8	54.4	55.4	-
Knit underwear mills	2254	30.2	30.2	31.2	31.3	-	25.6	25.5	26.9	27.1	-
Circular knit fabric mills	2257	25.2	25.1	25.2	25.3	-	21.2	21.2	21.5	21.6	-
Textile finishing, except wool	226	63.7	62.2	64.7	65.2	-	53.1	51.7	54.5	54.9	-
Finishing plants, cotton	2261	25.5	24.7	25.3	25.4	-	21.1	20.5	21.2	21.3	-
Finishing plants, synthetics	2262	23.5	23.3	23.8	23.9	-	19.6	19.3	20.0	20.1	-
Floor covering mills	227	48.2	48.2	52.8	53.4	-	38.4	38.1	42.4	43.1	-
Yarn and thread mills	228	112.6	108.8	113.7	113.5	-	100.9	97.1	101.3	101.2	-
Yarn mills, except wool	2281	77.7	75.0	77.9	78.1	-	70.3	67.4	70.1	70.4	-
Throwing and winding mills	2282	17.1	16.8	17.9	17.7	-	15.2	15.1	16.0	15.8	-
Miscellaneous textile goods	229	59.6	58.5	63.4	63.6	-	46.9	45.8	50.2	50.3	-
Apparel and other textile products	23	1,172.8	1,130.8	1,222.0	1,226.4	1,180.4	993.3	953.0	1,036.9	1,038.5	996.8
Men's and boys' suits and coats	231	71.0	68.9	73.0	73.5	-	62.0	60.2	64.0	64.4	-
Men's and boys' furnishings	232	328.2	315.3	349.5	352.2	-	281.1	268.9	301.2	303.6	-
Men's and boys' shirts and nightwear	2321	94.5	93.1	100.8	102.3	-	81.5	80.0	87.6	89.1	-
Men's and boys' separate trousers	2327	63.8	58.3	67.8	68.5	-	55.5	51.2	58.9	59.7	-
Men's and boys' work clothing	2328	99.3	95.2	105.5	106.7	-	84.2	79.6	89.8	90.8	-
Women's and misses' outerwear	233	389.6	374.5	398.9	396.6	-	329.9	315.3	337.0	333.0	-
Women's and misses' blouses and waists	2331	60.9	58.7	58.8	60.2	-	51.6	49.6	50.4	51.6	-
Women's and misses' dresses	2335	124.5	118.7	127.3	124.9	-	107.0	101.4	107.8	105.7	-
Women's and misses' suits and coats	2337	60.5	57.1	57.8	59.3	-	51.1	48.0	47.4	48.5	-
Women's and misses' outerwear, nec	2339	143.7	140.0	155.0	152.2	-	120.2	116.3	131.4	127.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	83.3	81.2	88.7	88.7	-	70.3	68.0	75.0	74.9	-
Women's and children's underwear	2341	67.2	65.6	72.1	71.9	-	58.2	56.5	62.4	62.1	-
Brassieres and allied garments	2342	16.1	15.6	16.6	16.8	-	12.1	11.5	12.6	12.8	-
Children's outerwear	236	60.2	59.4	63.7	64.8	-	51.2	50.6	54.0	54.9	-
Children's dresses and blouses	2361	25.2	24.5	25.8	26.4	-	22.3	21.6	22.8	23.2	-
Misc. apparel and accessories	238	47.2	44.4	47.9	48.5	-	39.1	36.5	39.9	40.5	-
Misc. fabricated textile products	239	173.6	168.3	180.6	180.8	-	143.2	137.9	149.6	149.6	-
Curtains and draperies	2391	25.2	24.6	26.6	26.6	-	20.6	20.1	21.7	21.7	-
House furnishings, nec	2392	49.4	48.7	51.0	50.9	-	41.6	40.9	43.6	43.3	-
Automotive and apparel trimmings	2396	31.9	30.1	33.5	33.4	-	26.4	24.7	27.7	27.5	-
Paper and allied products	26	664.3	662.0	680.1	691.3	689.2	497.8	496.0	511.5	520.4	518.8
Paper and pulp mills	261,2,6	199.3	201.1	204.7	208.2	-	150.2	151.5	154.8	157.5	-
Paper mills, except building paper	262	173.4	175.0	178.9	181.8	-	129.1	130.2	133.8	135.9	-
Paperboard mills	263	59.4	58.9	59.0	59.7	-	45.4	45.1	45.3	45.9	-
Misc. converted paper products	264	214.3	212.4	220.7	224.5	-	156.5	155.2	160.7	163.8	-
Paper coating and glazing	2641	55.9	55.4	57.3	58.7	-	36.2	35.5	37.1	38.2	-
Envelopes	2642	24.6	24.0	25.6	26.0	-	18.9	18.6	19.8	20.1	-
Bags, except textile bags	2643	46.9	46.6	48.5	49.0	-	36.4	36.0	37.7	38.1	-
Paperboard containers and boxes	265	191.3	189.6	195.7	198.9	-	145.7	144.2	150.7	153.2	-
Folding paperboard boxes	2651	40.8	40.6	42.2	42.7	-	31.8	31.7	33.2	33.6	-
Corrugated and solid fiber boxes	2653	98.7	97.7	101.6	103.4	-	73.2	72.3	76.2	77.7	-
Sanitary food containers	2654	23.6	23.5	23.0	23.6	-	19.2	19.0	19.0	19.5	-
Printing and publishing	27	1,294.1	1,292.2	1,354.2	1,361.1	1,359.8	707.5	703.7	747.7	750.6	747.5
Newspapers	271	428.5	429.2	439.1	443.2	-	160.3	160.4	165.6	166.8	-
Periodicals	272	98.4	99.7	103.1	103.9	-	21.1	20.9	23.1	23.3	-
Books	273	97.9	96.9	103.2	100.9	-	49.1	47.9	52.1	49.5	-
Book publishing	2731	72.3	71.9	75.3	74.8	-	28.0	27.5	29.3	28.4	-
Book printing	2732	25.6	25.0	27.9	26.1	-	21.1	20.4	22.8	21.1	-
Miscellaneous publishing	274	53.5	53.6	55.3	55.8	-	28.9	28.8	29.1	30.0	-
Commercial printing	275	436.6	433.0	466.2	468.5	-	317.8	314.8	342.8	343.4	-
Commercial printing, letterpress	2751	150.4	149.2	161.2	162.3	-	111.4	109.7	120.3	120.8	-
Commercial printing, lithographic	2752	262.2	260.0	279.5	280.9	-	187.5	186.1	201.9	202.3	-
Manifold business forms	276	46.9	47.1	48.6	48.6	-	32.5	32.6	33.5	33.6	-
Blankbooks and bookbinding	278	64.6	65.3	68.1	68.9	-	52.3	52.9	54.3	55.6	-
Printing trade services	279	44.3	44.1	46.4	46.4	-	32.7	32.5	34.2	34.1	-
Chemicals and allied products	28	1,053.6	1,051.9	1,058.5	1,071.2	1,068.9	584.9	582.1	589.8	598.0	596.1
Industrial inorganic chemicals	281	155.8	154.6	156.1	157.6	-	79.5	77.8	79.4	80.0	-
Industrial inorganic chemicals, nec	2819	105.1	104.5	107.2	107.9	-	55.1	53.9	55.8	56.0	-
Plastics materials and synthetics	282	177.7	178.0	176.1	178.4	-	115.2	115.7	116.0	118.0	-
Plastics materials and resins	2821	74.4	74.7	75.9	77.6	-	43.1	43.3	45.0	46.3	-
Organic fibers, noncellulosic	2824	73.3	73.0	70.5	71.0	-	51.4	51.4	49.6	50.2	-
Drugs	283	201.6	202.0	200.5	203.2	-	98.2	98.7	95.5	97.1	-
Pharmaceutical preparations	2834	158.6	158.9	159.5	162.4	-	75.4	76.0	75.3	76.8	-
Soap, cleaners, and toilet goods	284	144.0	145.4	145.1	149.0	-	90.1	91.1	91.9	95.7	-
Soap and other detergents	2841	43.3	43.6	42.6	43.3	-	27.9	28.2	27.6	28.6	-
Toilet preparations	2844	63.1	64.2	64.1	67.1	-	41.6	42.4	43.1	45.7	-
Polishing, sanitation, and finishing preparations	2842,3	37.6	37.6	38.4	38.6	-	20.6	20.5	21.2	21.4	-
Paints and allied products	285	60.4	60.9	61.9	63.1	-	29.9	30.2	30.6	31.3	-
Industrial organic chemicals	286	163.1	162.7	163.1	163.5	-	83.7	83.0	82.4	82.2	-
Cyclic crudes and intermediates	2865	33.2	33.1	33.4	33.3	-	20.1	19.8	19.6	19.6	-
Gum, wood, and industrial organic chemicals, nec	2861,9	129.9	129.6	129.7	130.2	-	63.6	63.2	62.8	62.6	-
Agricultural chemicals	287	61.5	59.0	63.2	62.2	-	37.5	35.2	40.0	38.9	-
Miscellaneous chemical products	289	89.5	89.3	92.5	94.2	-	50.8	50.4	54.0	54.8	-
Petroleum and coal products	29	198.8	198.9	188.6	190.2	190.5	120.4	120.8	111.1	112.0	113.4
Petroleum refining	291	159.8	159.1	150.4	150.9	-	92.3	91.9	83.6	83.6	-
Paving and roofing materials	295	27.8	28.7	26.8	27.8	-	21.3	22.0	20.3	21.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Nondurable goods—Continued											
Rubber and misc. plastics products	30	719.5	717.0	797.8	806.0	798.9	558.1	555.3	623.4	631.5	623.3
Tires and inner tubes	301	95.7	96.0	100.8	102.7	-	69.7	70.1	70.7	73.0	-
Rubber and plastics footwear	302	17.7	16.4	18.0	18.3	-	15.1	13.6	15.5	15.8	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	19.9	19.8	24.1	24.2	-	13.8	13.6	17.1	17.2	-
Fabricated rubber products, nec	306	100.0	98.8	110.3	110.4	-	76.5	75.5	85.4	85.6	-
Miscellaneous plastics products	307	486.2	486.0	544.6	550.4	-	383.0	382.5	434.7	439.9	-
Leather and leather products	31	211.1	195.7	207.3	209.0	197.7	176.3	163.1	173.7	174.9	164.6
Leather tanning and finishing	311	19.3	17.6	18.5	18.3	-	16.1	14.6	15.5	15.3	-
Footwear, except rubber	314	130.2	118.5	125.4	126.3	-	110.8	100.5	106.8	107.6	-
Men's footwear, except athletic	3143	52.4	48.2	51.4	51.6	-	42.3	38.7	41.9	42.1	-
Women's footwear, except athletic	3144	49.6	45.7	48.0	48.4	-	43.9	40.4	42.1	42.4	-
Luggage	316	13.0	12.2	12.2	12.4	-	9.3	8.9	9.2	9.3	-
Handbags and personal leather goods	317	26.8	26.8	27.8	28.3	-	21.9	22.0	22.9	23.2	-
Transportation and public utilities		5,049	5,020	5,145	5,200	5,199	4,165	4,133	4,240	4,292	4,296
Transportation		2,765	2,750	2,877	2,917	2,914	-	-	-	-	-
Railroad transportation	40	386.0	388.3	377.2	379.4	-	-	-	-	-	-
Class I railroads ²	4011	356.6	358.7	347.4	350.1	-	-	-	-	-	-
Local and interurban passenger transit	41	255.9	213.8	271.4	259.9	-	237.3	194.9	252.4	241.4	-
Local and suburban transportation	411	78.4	77.2	81.6	81.0	-	71.9	70.6	74.8	74.3	-
Taxis	412	38.8	38.2	37.9	37.5	-	-	-	-	-	-
Intercity highway transportation	413	38.5	40.7	37.9	39.9	-	35.3	37.3	35.1	37.0	-
School buses	415	80.3	38.4	93.3	81.3	-	-	-	-	-	-
Trucking and warehousing	42	1,218.1	1,235.0	1,278.6	1,308.1	-	1,059.8	1,075.7	1,111.3	1,141.0	-
Trucking and trucking terminals	421,3	1,137.0	1,152.7	1,195.5	1,224.3	-	992.4	1,007.3	1,042.5	1,071.6	-
Public warehousing	422	81.1	82.3	83.1	83.8	-	67.4	68.4	68.8	69.4	-
Water transportation	44	197.8	199.0	211.0	217.5	-	-	-	-	-	-
Local water transportation	445	29.4	30.2	29.5	31.0	-	-	-	-	-	-
Water transportation services	446	102.5	101.8	114.3	118.3	-	-	-	-	-	-
Transportation by air	45	454.6	460.7	472.4	480.4	-	-	-	-	-	-
Air transportation	451,2	401.6	406.8	413.4	420.4	-	-	-	-	-	-
Air transportation services	458	53.0	53.9	59.0	60.0	-	-	-	-	-	-
Pipe lines, except natural gas	46	21.1	21.2	21.0	21.4	-	14.9	14.9	14.8	15.2	-
Transportation services	47	231.4	232.4	245.5	250.3	-	-	-	-	-	-
Freight forwarding	471	54.1	53.8	60.1	60.5	-	-	-	-	-	-
Communication and public utilities		2,284	2,270	2,268	2,283	2,295	-	-	-	-	-
Communication	48	1,393.3	1,392.1	1,386.4	1,390.2	-	1,059.0	1,059.9	1,047.7	1,050.7	-
Telephone communication	481	1,022.0	1,018.5	988.5	986.2	-	762.0	760.5	734.3	732.9	-
Radio and television broadcasting	483	227.3	226.0	229.6	231.7	-	181.9	181.0	185.2	186.3	-
Radio broadcasting	4832	111.0	111.1	110.8	112.5	-	-	-	-	-	-
Television broadcasting	4833	116.3	114.9	118.8	119.2	-	-	-	-	-	-
Electric, gas, and sanitary services	49	890.4	877.8	882.0	892.6	-	719.8	704.7	703.9	713.8	-
Electric services	491	435.5	437.0	434.9	436.6	-	346.0	347.1	340.9	342.5	-
Gas production and distribution	492	175.7	175.5	170.4	175.0	-	140.9	140.6	135.1	139.4	-
Combination utility services	493	203.1	187.7	198.0	200.1	-	166.3	145.0	160.1	161.9	-
Sanitary services	495	51.5	53.2	55.0	56.7	-	46.3	47.8	48.4	50.1	-
Wholesale trade		5,272	5,285	5,485	5,537	5,542	4,236	4,243	4,416	4,461	4,466
Durable goods	50	3,063	3,069	3,235	3,270	3,274	2,435	2,439	2,588	2,618	-
Motor vehicles and automotive equipment	501	401.4	402.7	415.8	419.6	-	312.3	314.2	332.7	335.9	-
Automobiles and other motor vehicles	5012	96.3	96.3	101.7	102.5	-	-	-	-	-	-
Automotive parts and supplies	5013	272.2	273.0	280.1	283.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	114.9	110.9	118.6	119.5	-	95.0	91.0	99.0	99.9	-
Furniture	5021	48.7	48.0	49.8	50.7	-	-	-	-	-	-
Home furnishings	5023	66.2	62.9	68.8	68.8	-	-	-	-	-	-
Lumber and construction materials	503	188.7	191.2	201.8	204.7	-	155.1	157.6	167.5	169.6	-
Lumber, plywood, and millwork	5031	84.2	85.6	93.2	94.5	-	-	-	-	-	-
Construction materials, nec	5039	104.5	105.6	108.6	110.2	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	72.3	72.3	73.5	74.1	-	58.5	58.4	61.1	61.8	-
Metals and minerals, except petroleum	505	127.7	127.8	131.7	132.9	-	101.5	101.6	106.6	107.3	-
Electrical goods	506	437.3	438.9	463.2	468.0	-	346.3	347.4	366.8	371.9	-
Electrical apparatus and equipment	5063	235.7	236.6	243.9	247.5	-	-	-	-	-	-
Electrical appliances, TV and radios	5064	70.5	70.0	74.0	73.7	-	-	-	-	-	-
Electronic parts and equipment	5065	131.1	132.3	145.3	146.8	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	234.0	235.1	245.0	248.3	-	189.0	189.9	198.8	201.3	-
Hardware	5072	79.9	79.4	82.7	83.7	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	96.2	97.2	102.0	102.6	-	-	-	-	-	-
Machinery, equipment, and supplies	508	1,306.4	1,309.8	1,389.5	1,406.4	-	1,028.1	1,030.5	1,093.1	1,106.9	-
Commercial machines and equipment	5081	439.3	439.9	477.8	483.6	-	-	-	-	-	-
Construction and mining machinery	5082	72.0	72.5	78.0	79.0	-	-	-	-	-	-
Farm machinery and equipment	5083	137.6	138.7	140.0	141.8	-	-	-	-	-	-
Industrial machinery and equipment	5084	290.0	290.7	306.1	311.4	-	-	-	-	-	-
Industrial supplies	5085	124.8	124.9	132.0	133.9	-	-	-	-	-	-
Professional equipment and supplies	5086	147.7	147.5	155.6	156.7	-	-	-	-	-	-
Miscellaneous durable goods	509	180.5	180.4	195.5	196.6	-	149.1	148.8	161.9	163.7	-
Scrap and waste materials	5093	83.4	83.1	94.2	95.3	-	-	-	-	-	-
Nondurable goods											
Paper and paper products	51	2,209	2,216	2,250	2,267	2,268	1,801	1,804	1,828	1,843	-
Drugs, proprietaries, and sundries	511	160.5	162.5	169.4	171.8	-	129.6	132.0	137.6	140.1	-
Apparel, piece goods, and notions	512	155.0	154.8	157.2	156.8	-	129.5	129.2	130.7	130.3	-
Groceries and related products	513	170.6	169.0	175.8	176.5	-	129.6	128.3	130.3	131.3	-
Groceries, general line	514	693.7	688.5	709.3	720.2	-	600.3	594.5	610.9	619.6	-
Meats and meat products	5141	217.0	218.5	227.1	229.7	-	-	-	-	-	-
Fresh fruits and vegetables	5147	62.9	63.5	65.2	65.7	-	-	-	-	-	-
Chemicals and allied products	5148	95.8	87.8	90.6	93.5	-	-	-	-	-	-
Petroleum and petroleum products	516	123.3	123.2	126.2	127.6	-	85.3	85.3	87.3	89.0	-
Petroleum bulk stations and terminals	517	214.9	214.5	208.7	208.1	-	159.7	159.1	155.4	155.2	-
Petroleum products, nec	5171	87.6	87.0	83.3	83.6	-	-	-	-	-	-
Beer, wine, and distilled beverages	5172	127.3	127.5	125.4	124.5	-	-	-	-	-	-
Beer and ale	518	149.1	150.5	151.1	154.1	-	126.2	127.0	125.9	128.7	-
Wines and distilled beverages	5181	92.6	93.5	94.4	97.0	-	-	-	-	-	-
Miscellaneous nondurable goods	5182	56.5	57.0	56.7	57.1	-	-	-	-	-	-
Farm supplies	519	403.8	410.4	408.1	412.9	-	328.7	332.9	330.8	334.5	-
	5191	157.0	160.5	155.5	157.1	-	-	-	-	-	-
Retail trade		15,623	15,635	16,166	16,348	16,329	14,023	14,039	14,479	14,648	14,622
Building materials and garden supplies											
Lumber and other building materials	52	636.3	635.0	659.8	673.5	-	538.2	536.8	560.2	572.4	-
Hardware stores	521	330.3	333.6	344.5	354.8	-	281.2	284.1	293.5	303.3	-
	525	151.1	151.1	155.6	158.3	-	128.4	128.3	131.9	134.5	-
General merchandise stores											
Department stores	53	2,095.5	2,116.4	2,200.0	2,231.9	2,242.3	1,959.8	1,982.4	2,058.8	2,087.6	-
Variety stores	531	1,767.9	1,787.3	1,869.2	1,898.9	-	1,664.8	1,685.3	1,765.2	1,791.3	-
Misc. general merchandise stores	533	207.8	207.9	209.0	210.8	-	191.3	191.7	189.6	190.6	-
	539	119.8	121.2	121.8	122.2	-	103.7	105.4	104.0	105.7	-
Food stores											
Grocery stores	54	2,560.6	2,562.9	2,619.0	2,644.3	2,649.3	2,377.6	2,381.3	2,436.4	2,458.3	-
Meat markets and freezer provisioners	541	2,244.2	2,247.8	2,298.3	2,321.7	-	2,093.2	2,098.2	2,147.8	2,168.6	-
Dairy products stores	542	59.1	58.5	56.5	56.6	-	-	-	-	-	-
Retail bakeries	545	37.9	38.2	38.9	40.8	-	-	-	-	-	-
	546	141.7	141.8	147.6	149.3	-	129.3	129.5	134.6	135.6	-
Automotive dealers and service stations											
New and used car dealers	55	1,676.8	1,690.3	1,754.2	1,770.4	1,779.6	1,413.6	1,425.8	1,474.6	1,488.0	-
Auto and home supply stores	551,2	761.2	767.9	812.2	819.2	-	626.3	632.5	670.3	675.6	-
Gasoline service stations	553	273.8	276.5	282.5	286.6	-	236.2	239.1	238.1	240.9	-
	554	561.3	565.5	574.0	577.4	-	485.2	488.5	497.4	501.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers¹				
		June 1983	July 1983	May 1984	June 1984ᵃ	July 1984ᵃ	June 1983	July 1983	May 1984	June 1984ᵃ	July 1984ᵃ
Retail trade—Continued											
Apparel and accessory stores	56	944.8	939.8	962.7	969.9	-	797.5	794.5	808.9	814.8	-
Men's and boys' clothing and furnishings	561	115.6	113.6	116.1	118.0	-	97.3	95.5	96.9	98.4	-
Women's ready-to-wear stores	562	341.9	340.5	351.5	355.7	-	290.7	290.0	297.3	300.8	-
Family clothing stores	565	173.9	176.9	176.1	177.5	-	151.3	154.5	152.6	154.4	-
Shoe stores	566	204.8	201.6	208.4	208.7	-	166.1	163.4	168.8	169.2	-
Furniture and home furnishings stores	57	593.9	596.5	642.2	648.8	-	494.0	495.9	535.8	540.4	-
Furniture and home furnishings stores	571	355.6	356.0	377.7	380.5	-	295.5	296.2	315.0	316.8	-
Furniture stores	5712	231.3	232.2	245.3	245.6	-	-	-	-	-	-
Household appliance stores	572	77.0	78.8	78.4	80.1	-	65.8	67.4	66.7	68.0	-
Radio, television, and music stores	573	161.3	161.7	186.1	188.2	-	132.7	132.3	154.1	155.6	-
Radio and television stores	5732	105.7	106.6	125.6	127.4	-	-	-	-	-	-
Music stores	5733	55.6	55.1	60.5	60.8	-	-	-	-	-	-
Eating and drinking places	58	5,172.9	5,157.7	5,292.0	5,381.1	5,353.8	4,763.0	4,747.2	4,849.6	4,938.6	-
Miscellaneous retail	59	1,942.2	1,936.2	2,035.7	2,028.0	-	1,679.6	1,675.3	1,755.1	1,747.9	-
Drug stores and proprietary stores	591	502.7	501.7	524.1	529.5	-	446.4	445.6	460.2	466.1	-
Liquor stores	592	127.6	126.8	122.5	124.6	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	622.8	623.1	647.0	649.9	-	531.0	531.1	552.4	555.8	-
Sporting goods and bicycle shops	5941	100.5	101.3	104.6	106.3	-	-	-	-	-	-
Book stores	5942	58.3	57.2	65.2	62.1	-	-	-	-	-	-
Stationery/ stores	5943	64.0	63.7	67.3	67.4	-	-	-	-	-	-
Jewelry stores	5944	137.1	135.8	136.0	136.4	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	114.7	117.7	116.7	120.4	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	61.7	60.7	67.7	66.3	-	-	-	-	-	-
Nonstore retailers	596	240.7	241.8	253.0	250.1	-	219.4	220.6	230.5	227.1	-
Mail order houses	5961	115.2	116.4	117.9	117.3	-	-	-	-	-	-
Merchandising machine operators	5962	77.5	77.7	82.9	82.5	-	-	-	-	-	-
Fuel and ice dealers	598	99.0	97.6	103.4	103.3	-	81.6	80.4	85.6	85.5	-
Retail stores, nec	599	282.9	278.2	313.3	298.0	-	236.2	232.5	263.0	247.0	-
Finance, insurance, and real estate³		5,507	5,552	5,640	5,721	5,755	4,109	4,147	4,195	4,266	4,295
Finance		2,750	2,770	2,834	2,866	2,864	-	-	-	-	-
Banking	60	1,672.2	1,678.8	1,676.1	1,694.8	-	1,249.5	1,254.2	1,246.0	1,260.8	-
Commercial and stock savings banks	602	1,516.9	1,522.9	1,523.3	1,539.9	-	1,128.7	1,133.0	1,125.3	1,138.7	-
State banks, Federal Reserve	6022	333.4	335.2	336.3	339.5	-	-	-	-	-	-
State banks, not Federal Reserve	6023,4	382.7	384.1	383.1	388.4	-	-	-	-	-	-
Mutual savings banks	603	75.9	76.2	78.0	79.4	-	-	-	-	-	-
Credit agencies other than banks	61	632.4	637.5	675.5	686.1	-	482.3	486.7	514.7	523.9	-
Savings and loan associations	612	293.7	296.1	311.6	315.6	-	227.2	228.8	240.3	243.8	-
Federal savings and loan associations	6122	169.1	171.0	180.3	182.4	-	-	-	-	-	-
State associations, insured	6123	115.9	116.4	122.1	123.9	-	-	-	-	-	-
Personal credit institutions	614	198.4	199.8	209.8	212.5	-	151.8	153.0	160.9	163.3	-
Business credit institutions	615	36.8	36.7	36.9	37.8	-	-	-	-	-	-
Mortgage bankers and brokers	616	80.4	81.8	93.6	96.3	-	-	-	-	-	-
Security, commodity brokers, and services	62	309.0	316.1	340.6	343.0	-	-	-	-	-	-
Security brokers and dealers	621	251.2	257.6	277.9	280.1	-	-	-	-	-	-
Holding and other investment offices	67	135.9	137.7	141.5	141.9	-	-	-	-	-	-
Insurance		1,723	1,727	1,746	1,757	1,755	-	-	-	-	-
Insurance carriers	63	1,234.9	1,237.6	1,243.7	1,250.7	-	833.4	836.4	842.2	847.6	-
Life insurance	631	542.9	541.6	537.5	539.5	-	326.4	325.7	325.1	326.9	-
Medical service and health insurance	632	144.1	146.5	152.7	154.2	-	115.0	116.9	122.1	123.8	-
Fire, marine, and casualty insurance	633	472.6	472.5	470.7	473.7	-	332.1	332.1	329.0	330.5	-
Title insurance	636	41.5	42.8	46.4	46.2	-	-	-	-	-	-
Insurance agents, brokers, and service	64	487.9	489.8	502.3	506.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,034	1,054	1,060	1,098	1,091	-	-	-	-	-
Real estate	65	1,018.6	1,038.5	1,044.2	1,082.1	-	-	-	-	-	-
Real estate operators and lessors	651	489.2	498.2	490.4	507.0	-	-	-	-	-	-
Real estate agents and managers	653	373.9	382.3	388.0	405.1	-	-	-	-	-	-
Subdividers and developers	655	132.9	134.6	139.0	142.4	-	-	-	-	-	-
Combined real estate, insurance, etc	66	15.6	15.7	15.9	16.2	-	-	-	-	-	-
Services		19,786	19,901	20,631	20,817	20,878	17,563	17,655	18,277	18,444	18,477
Hotels and other lodging places	70	1,215.2	1,272.1	1,255.3	1,318.4	-	-	-	-	-	-
Hotels, motels, and tourist courts	701	1,171.5	1,200.7	1,218.5	1,272.8	-	1,067.1	1,095.1	1,106.6	1,156.8	-
Personal services	72	943.0	932.8	980.4	987.7	-	-	-	-	-	-
Laundry, cleaning, and garment services	721	351.3	349.6	358.5	362.5	-	312.1	310.9	319.9	323.7	-
Photographic studios, portrait	722	48.3	48.2	53.0	52.7	-	-	-	-	-	-
Beauty shops	723	298.3	297.8	312.7	317.6	-	275.8	275.5	285.4	290.4	-
Funeral service and crematories	726	72.5	72.9	73.0	73.1	-	-	-	-	-	-
Business services	73	3,527.1	3,592.9	3,959.5	4,024.9	4,056.5	3,062.9	3,120.1	3,455.7	3,515.6	-
Advertising	731	169.5	171.3	176.1	177.7	-	128.6	130.0	133.4	134.4	-
Advertising agencies	7311	128.0	128.8	134.9	136.0	-	-	-	-	-	-
Credit reporting and collection	732	76.6	76.3	78.9	79.8	-	-	-	-	-	-
Mailing, reproduction, and stenographic	733	143.1	140.5	155.4	156.3	-	-	-	-	-	-
Services to buildings	734	562.2	568.2	602.6	615.8	-	511.9	516.4	548.5	562.6	-
Personnel supply services	736	622.8	654.3	821.7	830.8	-	-	-	-	-	-
Employment agencies	7361	130.1	139.7	167.4	168.6	-	-	-	-	-	-
Temporary help supply services	7362	460.5	482.6	618.8	625.9	-	-	-	-	-	-
Computer and data processing services	737	413.3	422.6	462.3	469.2	-	346.6	355.7	386.3	391.8	-
Computer programming and software	7372	134.9	139.2	151.5	153.0	-	-	-	-	-	-
Data processing services	7374	215.9	220.4	241.5	246.2	-	-	-	-	-	-
Miscellaneous business services	739	1,531.8	1,551.7	1,654.3	1,687.7	-	-	-	-	-	-
Research development laboratories, nec	7391	172.5	174.4	177.5	181.3	-	-	-	-	-	-
Management and public relations	7392	400.7	405.2	438.1	455.6	-	-	-	-	-	-
Detective and protective services	7393	360.5	362.7	383.3	386.4	-	-	-	-	-	-
Equipment rental and leasing	7394	131.9	140.0	142.8	146.0	-	-	-	-	-	-
Photofinishing laboratories	7395	78.7	78.4	75.4	77.7	-	-	-	-	-	-
Auto repair, services, and garages	75	620.9	624.0	666.1	681.9	-	522.5	526.9	563.7	578.0	-
Automotive rentals, without drivers	751	124.3	126.7	132.1	140.0	-	-	-	-	-	-
Automotive repair shops	753	385.6	387.7	408.7	416.0	-	320.0	323.5	340.8	347.7	-
Miscellaneous repair services	76	281.3	284.3	299.6	303.2	-	232.4	235.7	250.3	253.7	-
Electrical repair shops	762	86.7	87.0	85.8	85.8	-	-	-	-	-	-
Motion pictures	78	226.1	227.6	215.8	226.0	-	196.5	197.2	186.0	195.8	-
Motion picture production and services	781	94.0	93.1	94.0	97.3	-	78.4	77.1	78.0	80.9	-
Motion picture theaters	783	121.3	123.9	111.5	118.3	-	-	-	-	-	-
Amusement and recreation services	79	947.4	972.6	876.7	954.2	-	870.7	893.9	793.5	869.0	-
Health services	80	5,987.8	6,012.3	6,054.7	6,089.3	6,118.0	5,395.8	5,412.2	5,421.7	5,455.1	-
Offices of physicians	801	870.5	875.8	898.8	908.7	-	734.8	737.9	754.2	763.5	-
Offices of dentists	802	410.7	412.4	429.2	432.3	-	363.2	364.2	380.2	383.0	-
Nursing and personal care facilities	805	1,111.3	1,118.1	1,144.8	1,159.6	-	1,007.8	1,013.2	1,035.4	1,050.0	-
Skilled nursing care facilities	8051	708.5	714.4	733.2	742.7	-	-	-	-	-	-
Nursing and personal care, nec	8059	402.8	403.7	411.6	416.9	-	-	-	-	-	-
Hospitals	806	3,048.4	3,052.4	2,997.7	2,995.2	-	2,797.1	2,798.5	2,738.9	2,738.3	-
General medical and surgical hospitals	8062	2,884.3	2,887.3	2,830.5	2,826.0	-	-	-	-	-	-
Psychiatric hospitals	8063	48.7	48.8	49.6	50.6	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric	8069	115.4	116.3	117.6	118.6	-	-	-	-	-	-
Medical and dental laboratories	807	110.9	111.7	109.6	109.9	-	-	-	-	-	-
Outpatient care facilities	808	174.0	176.7	188.1	190.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Services—Continued											
Legal services	81	611.3	617.2	631.3	657.4	-	516.4	522.7	535.6	559.6	-
Educational services	82	1,117.2	1,016.8	1,246.9	1,103.8	-	-	-	-	-	-
Elementary and secondary schools	821	329.6	285.1	349.1	334.2	-	-	-	-	-	-
Colleges and universities	822	669.5	618.3	773.6	648.3	-	-	-	-	-	-
Correspondence and vocational schools	824	52.8	50.2	59.7	57.3	-	-	-	-	-	-
Social services	83	1,218.0	1,236.3	1,308.3	1,290.6	-	-	-	-	-	-
Individual and family services	832	251.4	262.4	290.7	294.3	-	-	-	-	-	-
Job training and related services	833	197.6	207.3	204.7	205.7	-	-	-	-	-	-
Residential care	836	250.3	251.3	261.1	264.2	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	40.0	41.3	42.6	44.5	-	-	-	-	-	-
Membership organizations	86	1,519.2	1,528.3	1,507.5	1,514.2	-	-	-	-	-	-
Business associations	861	84.0	84.0	86.7	87.9	-	-	-	-	-	-
Labor organizations	863	137.2	132.8	136.4	139.5	-	-	-	-	-	-
Civic and social associations	864	318.9	347.0	323.4	328.3	-	-	-	-	-	-
Miscellaneous services	89	1,066.0	1,074.2	1,113.7	1,134.2	-	875.8	883.2	917.0	937.9	-
Engineering and architectural services	891	577.0	580.8	605.3	621.6	-	479.9	484.4	508.2	524.1	-
Noncommercial research organizations	892	110.2	113.0	108.8	111.9	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	357.6	359.3	378.5	379.5	-	286.2	286.6	300.3	302.3	-
Government		15,973	15,111	16,233	16,010	15,208	-	-	-	-	-
Federal Government ⁴		2,789	2,797	2,770	2,809	2,820	-	-	-	-	-
Executive, by agency ⁴		2,731.4	2,738.7	-	-	-	-	-	-	-	-
Department of Defense		961.6	963.7	-	-	-	-	-	-	-	-
Postal Service		660.1	661.6	-	-	-	-	-	-	-	-
Other executive agencies		1,109.7	1,113.4	-	-	-	-	-	-	-	-
Legislative		41.0	41.6	-	-	-	-	-	-	-	-
Judicial		16.2	16.2	-	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		137.4	137.7	136.3	136.4	-	-	-	-	-	-
Shipbuilding and repairing	3731	84.3	84.3	82.7	82.6	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		41.4	41.3	38.5	38.6	-	-	-	-	-	-
Services		413.3	415.7	404.9	414.2	-	-	-	-	-	-
Hospitals	806	237.7	238.7	238.8	240.4	-	-	-	-	-	-
State government		3,561	3,475	3,751	3,584	3,506	-	-	-	-	-
Hospitals	806	470.9	470.6	467.1	469.5	-	-	-	-	-	-
Education	82	1,333.8	1,217.5	1,541.3	1,335.0	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,144.7	1,166.3	1,141.4	1,161.2	-	-	-	-	-	-
Local government		9,623	8,839	9,712	9,617	8,882	-	-	-	-	-
Transportation and public utilities		494.7	497.0	497.5	502.5	-	-	-	-	-	-
Hospitals	806	650.5	650.4	631.1	632.1	-	-	-	-	-	-
Education	82	5,187.6	4,244.1	5,445.7	5,192.1	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		2,959.5	3,088.8	2,847.6	2,977.9	-	-	-	-	-	-

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

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

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

⁴ Prepared by the Office of Personnel Management. Data relate to

civilian employment only and exclude the Central Intelligence Agency and the National Security Agency.

- Data not available.

^p = preliminary.

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

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Apr. 1983	May 1983	Mar. 1984	Apr. 1984	May 1984
Total	39,509	39,774	41,155	41,495	41,804
Total private	31,697	31,948	33,143	33,463	33,774
Goods-producing	6,332	6,392	6,791	6,835	6,886
Mining	118	117	116	117	119
Construction	375	380	402	408	416
Manufacturing	5,839	5,895	6,273	6,310	6,351
Durable goods	2,735	2,764	3,017	3,037	3,062
Lumber and wood products	93	96	104	106	107
Furniture and fixtures	132	132	144	145	144
Stone, clay, and glass products	109	110	116	116	117
Primary metal industries	96	97	104	105	106
Fabricated metal products	294	297	321	322	326
Machinery, except electrical	438	442	478	482	486
Electrical and electronic equipment	829	838	941	950	959
Transportation equipment	286	291	326	326	331
Instruments and related products	292	292	309	310	311
Miscellaneous manufacturing	166	169	175	177	176
Nondurable goods	3,104	3,131	3,256	3,273	3,289
Food and kindred products	468	476	473	476	482
Tobacco manufactures	22	21	22	21	21
Textile mill products	349	351	363	364	364
Apparel and other textile products	923	932	983	987	987
Paper and allied products	151	153	156	158	159
Printing and publishing	525	526	554	559	562
Chemicals and allied products	271	271	278	279	280
Petroleum and coal products	30	30	30	30	30
Rubber and misc. plastics products	245	250	277	278	281
Leather and leather products	121	123	121	122	123
Service-producing	33,177	33,382	34,364	34,667	34,918
Transportation and public utilities	1,333	1,340	1,372	1,379	1,391
Wholesale trade	1,421	1,431	1,521	1,525	1,537
Retail trade	7,678	7,799	7,926	8,073	8,232
Finance, insurance, and real estate	3,248	3,258	3,364	3,380	3,400
Services	11,685	11,728	12,169	12,271	12,328
Government	7,812	7,826	8,012	8,032	8,030
Federal	912	930	958	962	967
State	1,615	1,584	1,694	1,701	1,683
Local	5,285	5,312	5,360	5,369	5,380

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

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

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
Total	90,274	89,918	91,018	91,345	91,688	92,026	92,391	92,846	93,058	93,449	93,768	94,076	94,378
Total private	74,452	74,110	75,083	75,481	75,814	76,157	76,533	76,971	77,185	77,546	77,864	78,203	78,448
Goods-producing	23,414	23,532	23,669	23,895	24,058	24,198	24,383	24,577	24,595	24,760	24,851	24,989	25,126
Mining	946	950	952	965	967	969	975	978	978	984	995	1,002	1,002
Oil and gas extraction	590	590	594	600	603	607	608	607	607	612	619	623	625
Construction	3,947	3,985	4,019	4,044	4,073	4,086	4,154	4,226	4,151	4,246	4,286	4,348	4,380
General building contractors	1,024	1,037	1,043	1,053	1,064	1,077	1,100	1,111	1,099	1,110	1,126	1,138	1,137
Manufacturing	18,521	18,597	18,698	18,886	19,018	19,143	19,254	19,373	19,466	19,530	19,570	19,639	19,744
Durable goods	10,781	10,846	10,923	11,071	11,170	11,266	11,343	11,440	11,513	11,551	11,598	11,661	11,730
Lumber and wood products	665	675	680	690	695	698	702	706	712	714	711	714	709
Furniture and fixtures	454	453	456	462	467	470	475	480	483	482	482	484	487
Stone, clay, and glass products	573	578	581	587	589	592	595	604	606	604	605	606	608
Primary metal industries	838	840	849	863	869	877	871	877	877	879	887	885	888
Blast furnaces and basic steel products	344	344	346	351	351	352	347	348	347	345	347	345	343
Fabricated metal products	1,369	1,384	1,389	1,408	1,420	1,431	1,440	1,447	1,456	1,459	1,469	1,479	1,489
Machinery, except electrical	2,039	2,051	2,058	2,077	2,106	2,122	2,137	2,151	2,166	2,189	2,203	2,227	2,246
Electrical and electronic equipment	2,024	2,022	2,062	2,086	2,109	2,132	2,152	2,175	2,202	2,212	2,228	2,239	2,261
Transportation equipment	1,757	1,776	1,780	1,820	1,832	1,855	1,876	1,898	1,905	1,905	1,906	1,919	1,926
Motor vehicles and equipment	756	779	783	810	823	843	858	865	863	857	848	855	857
Instruments and related products	690	694	698	702	705	707	711	715	718	719	722	723	729
Miscellaneous manufacturing	372	373	370	376	378	382	384	387	388	388	385	385	387
Nondurable goods	7,740	7,751	7,775	7,815	7,848	7,877	7,911	7,933	7,953	7,979	7,972	7,978	8,014
Food and kindred products	1,626	1,621	1,624	1,624	1,629	1,631	1,638	1,637	1,638	1,648	1,643	1,646	1,649
Tobacco manufactures	69	66	68	68	66	67	66	65	66	67	67	66	66
Textile mill products	745	751	753	758	760	762	768	767	769	766	762	760	759
Apparel and other textile products	1,171	1,170	1,174	1,186	1,195	1,202	1,207	1,213	1,218	1,226	1,217	1,208	1,222
Paper and allied products	661	663	666	669	671	675	676	680	680	680	681	686	689
Printing and publishing	1,297	1,302	1,305	1,311	1,317	1,321	1,328	1,333	1,339	1,348	1,356	1,361	1,365
Chemicals and allied products	1,046	1,046	1,047	1,049	1,050	1,052	1,053	1,054	1,054	1,057	1,057	1,063	1,063
Petroleum and coal products	195	194	194	192	192	191	191	190	190	189	188	188	187
Rubber and misc. plastics products	723	730	735	748	758	766	774	784	790	790	795	796	805
Leather and leather products	207	208	209	210	210	210	210	210	209	208	206	204	209
Service-producing	66,860	66,386	67,349	67,450	67,630	67,828	68,008	68,269	68,463	68,689	68,917	69,087	69,252
Transportation and public utilities	5,001	4,369	5,046	5,053	5,043	5,055	5,095	5,105	5,112	5,129	5,144	5,151	5,179
Transportation	2,751	2,751	2,768	2,776	2,763	2,776	2,816	2,828	2,839	2,862	2,871	2,882	2,912
Communication and public utilities	2,250	1,618	2,278	2,277	2,280	2,279	2,279	2,276	2,273	2,267	2,273	2,269	2,267
Wholesale trade	5,256	5,277	5,301	5,322	5,344	5,371	5,406	5,438	5,457	5,473	5,492	5,501	5,511
Durable goods	3,057	3,072	3,096	3,113	3,128	3,147	3,168	3,193	3,205	3,215	3,235	3,250	3,261
Nondurable goods	2,199	2,205	2,205	2,209	2,216	2,224	2,238	2,245	2,252	2,258	2,257	2,251	2,250
Retail trade	15,580	15,626	15,671	15,737	15,805	15,857	15,914	15,980	16,030	16,095	16,166	16,234	16,264
General merchandise stores	2,164	2,169	2,171	2,179	2,195	2,189	2,210	2,211	2,230	2,251	2,273	2,291	2,290
Food stores	2,558	2,563	2,568	2,587	2,594	2,600	2,618	2,626	2,626	2,635	2,639	2,639	2,644
Automotive dealers and service stations	1,673	1,679	1,685	1,695	1,703	1,710	1,725	1,740	1,748	1,743	1,751	1,751	1,760
Eating and drinking places	5,025	5,043	5,058	5,071	5,082	5,095	5,111	5,121	5,136	5,154	5,183	5,199	5,213
Finance, insurance, and real estate	5,478	5,498	5,503	5,512	5,530	5,546	5,573	5,593	5,613	5,640	5,662	5,676	5,677
Finance	2,749	2,749	2,763	2,769	2,777	2,789	2,797	2,812	2,831	2,851	2,863	2,860	2,860
Insurance	1,719	1,724	1,725	1,725	1,728	1,730	1,737	1,741	1,742	1,742	1,746	1,752	1,755
Real estate	1,010	1,025	1,015	1,018	1,025	1,027	1,039	1,040	1,041	1,047	1,053	1,064	1,062
Services	19,723	19,808	19,893	19,962	20,034	20,130	20,162	20,278	20,378	20,449	20,549	20,652	20,692
Business services	3,577	3,599	3,636	3,672	3,703	3,758	3,798	3,845	3,875	3,912	3,979	4,013	4,036
Health services	5,981	5,988	6,003	6,007	6,016	6,026	6,030	6,040	6,052	6,062	6,073	6,065	6,088
Government	15,822	15,808	15,935	15,864	15,874	15,869	15,858	15,875	15,873	15,903	15,904	15,873	15,931
Federal	2,744	2,747	2,774	2,760	2,759	2,762	2,760	2,763	2,770	2,771	2,767	2,765	2,767
State	3,662	3,668	3,672	3,667	3,667	3,668	3,670	3,682	3,686	3,693	3,699	3,680	3,695
Local	9,416	9,393	9,489	9,437	9,446	9,439	9,428	9,430	9,417	9,439	9,438	9,428	9,469

^p = preliminary.

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

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

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983								1984				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total	39,562	39,700	39,949	39,781	40,237	40,373	40,531	40,712	40,858	41,074	41,210	41,390	41,580
Total private	31,973	32,121	32,282	32,086	32,538	32,684	32,824	32,997	33,140	33,333	33,463	33,618	33,793
Goods-producing	6,412	6,452	6,496	6,518	6,566	6,626	6,677	6,723	6,773	6,820	6,854	6,886	6,904
Mining	117	116	116	116	116	117	116	116	117	117	117	117	119
Construction	382	384	388	390	396	397	400	402	404	407	409	413	418
Manufacturing	5,913	5,952	5,992	6,012	6,054	6,112	6,161	6,205	6,252	6,296	6,328	6,356	6,367
Durable goods	2,759	2,781	2,806	2,820	2,851	2,887	2,920	2,947	2,973	3,003	3,031	3,043	3,057
Lumber and wood products	95	97	97	98	100	101	102	103	105	105	106	107	106
Furniture and fixtures	132	134	137	136	136	137	139	140	142	143	144	144	144
Stone, clay, and glass products	110	111	111	112	113	114	114	115	116	117	118	117	117
Primary metal industries	96	97	97	98	99	101	102	103	103	103	104	105	105
Fabricated metal products	296	298	300	303	305	309	312	315	317	320	322	321	325
Machinery, except electrical	442	444	448	452	452	456	463	466	468	473	476	481	485
Electrical and electronic equipment	837	845	855	855	875	888	901	910	921	932	946	952	957
Transportation equipment	290	292	296	299	303	308	310	315	319	324	327	327	330
Instruments and related products	292	293	294	297	299	301	303	304	306	308	310	310	311
Miscellaneous manufacturing	169	170	171	170	169	172	174	176	176	178	178	179	177
Nondurable goods	3,154	3,171	3,186	3,192	3,203	3,225	3,241	3,258	3,279	3,293	3,297	3,313	3,310
Food and kindred products	500	502	501	496	497	496	501	502	505	506	504	508	506
Tobacco manufactures	24	24	23	23	23	23	22	23	23	23	23	24	24
Textile mill products	351	354	355	357	358	361	361	363	366	366	367	365	364
Apparel and other textile products	928	934	945	945	948	959	965	969	974	979	982	989	983
Paper and allied products	152	153	153	154	155	156	156	157	157	158	157	158	159
Printing and publishing	526	529	530	533	535	538	540	543	547	549	552	557	562
Chemicals and allied products	272	272	273	274	275	275	275	276	278	279	279	281	281
Petroleum and coal products	30	30	30	30	30	30	30	30	30	30	30	30	30
Rubber and misc. plastics products	249	251	254	257	259	263	267	271	275	278	280	278	279
Leather and leather products	122	122	122	123	123	124	124	124	124	125	123	123	122
Service-producing	33,150	33,248	33,453	33,263	33,671	33,747	33,854	33,989	34,085	34,254	34,356	34,504	34,676
Transportation and public utilities	1,338	1,342	1,340	1,031	1,357	1,355	1,356	1,362	1,373	1,378	1,380	1,385	1,388
Wholesale trade	1,435	1,445	1,452	1,461	1,468	1,474	1,485	1,496	1,508	1,519	1,532	1,534	1,542
Retail trade	7,835	7,874	7,914	7,939	7,951	7,987	8,024	8,048	8,084	8,121	8,154	8,204	8,265
Finance, insurance, and real estate	3,261	3,269	3,284	3,297	3,309	3,318	3,327	3,340	3,358	3,367	3,374	3,387	3,403
Services	11,692	11,739	11,796	11,840	11,887	11,924	11,955	12,028	12,044	12,128	12,169	12,222	12,291
Government	7,589	7,579	7,667	7,695	7,699	7,689	7,707	7,715	7,718	7,741	7,747	7,772	7,787
Federal	927	934	944	947	960	960	960	962	962	964	967	964	964
State	1,563	1,568	1,576	1,584	1,586	1,595	1,603	1,609	1,620	1,629	1,636	1,650	1,660
Local	5,099	5,077	5,147	5,164	5,153	5,134	5,144	5,144	5,136	5,148	5,144	5,158	5,163

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

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

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
Total private	60,202	59,830	60,748	61,074	61,371	61,665	61,948	62,327	62,443	62,800	63,060	63,330	63,530
Goods-producing	16,315	16,421	16,532	16,735	16,881	16,996	17,155	17,318	17,297	17,446	17,507	17,615	17,735
Mining	670	673	674	685	686	690	694	696	698	707	714	718	718
Construction	3,033	3,069	3,099	3,122	3,147	3,161	3,227	3,296	3,211	3,296	3,328	3,393	3,417
Manufacturing	12,612	12,679	12,759	12,928	13,048	13,145	13,234	13,326	13,388	13,443	13,465	13,504	13,600
Durable goods	7,165	7,224	7,289	7,421	7,511	7,585	7,643	7,718	7,769	7,799	7,826	7,866	7,933
Lumber and wood products	555	564	569	578	583	587	589	592	599	599	596	598	595
Furniture and fixtures	361	361	363	368	373	376	380	384	387	387	385	387	389
Stone, clay, and glass products	437	442	445	450	453	454	455	462	463	464	465	466	469
Primary metal industries	625	629	636	651	657	665	661	666	666	668	676	673	676
Fabricated metal products	993	1,006	1,011	1,028	1,037	1,049	1,056	1,062	1,069	1,074	1,083	1,091	1,100
Machinery, except electrical	1,201	1,214	1,219	1,236	1,261	1,273	1,286	1,300	1,314	1,329	1,342	1,357	1,375
Electrical and electronic equipment	1,229	1,228	1,260	1,281	1,300	1,313	1,327	1,346	1,364	1,371	1,377	1,383	1,411
Transportation equipment	1,109	1,122	1,126	1,160	1,173	1,192	1,208	1,221	1,221	1,221	1,217	1,225	1,228
Instruments and related products	386	389	393	397	399	398	401	403	404	403	404	405	406
Miscellaneous manufacturing	269	269	267	272	275	278	280	282	282	283	281	281	284
Nondurable goods	5,447	5,455	5,470	5,507	5,537	5,560	5,591	5,608	5,619	5,644	5,639	5,638	5,667
Food and kindred products	1,123	1,117	1,118	1,119	1,124	1,126	1,134	1,133	1,133	1,143	1,142	1,145	1,148
Tobacco manufactures	52	50	52	51	50	50	49	49	50	50	50	50	46
Textile mill products	643	650	651	656	658	660	666	665	666	665	661	659	656
Apparel and other textile products	990	990	993	1,004	1,012	1,018	1,023	1,028	1,031	1,039	1,033	1,021	1,035
Paper and allied products	495	495	498	501	503	506	508	511	512	512	512	515	518
Printing and publishing	711	714	715	720	725	727	732	734	737	744	748	752	755
Chemicals and allied products	580	580	581	583	584	586	587	588	588	589	588	592	594
Petroleum and coal products	118	117	116	115	114	113	112	112	111	111	111	110	111
Rubber and misc. plastics products	562	568	571	582	591	598	604	612	616	616	621	623	630
Leather and leather products	173	174	175	176	176	176	176	176	175	175	173	171	174
Service-producing	43,887	43,409	44,216	44,339	44,490	44,669	44,793	45,009	45,146	45,354	45,553	45,715	45,795
Transportation and public utilities	4,119	3,481	4,154	4,158	4,151	4,161	4,189	4,198	4,207	4,228	4,236	4,245	4,279
Wholesale trade	4,219	4,242	4,258	4,274	4,292	4,316	4,349	4,375	4,395	4,406	4,425	4,430	4,439
Retail trade	13,988	14,028	14,063	14,112	14,174	14,221	14,264	14,317	14,341	14,434	14,493	14,546	14,564
Finance, insurance, and real estate	4,075	4,098	4,097	4,107	4,122	4,135	4,149	4,161	4,165	4,175	4,195	4,215	4,219
Services	17,486	17,560	17,644	17,688	17,751	17,836	17,842	17,958	18,038	18,111	18,204	18,279	18,294

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

^p = preliminary.

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

**ESTABLISHMENT DATA
INDEXES OF DIFFUSION
SEASONALLY ADJUSTED**

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1982.....	27.6	47.6	35.7	31.1	41.1	33.5	34.6	32.4	37.3	28.9	32.4	45.7
	1983.....	54.3	46.5	60.8	68.9	69.5	64.6	74.3	68.6	69.5	75.4	69.7	73.8
	1984.....	71.1	73.2	67.0	63.8	64.1	^p 64.1	^p 66.2					
Over 3-month span	1982.....	25.1	27.8	27.8	27.3	27.6	28.6	23.5	24.1	26.5	25.9	27.8	41.6
	1983.....	46.8	57.3	64.1	75.1	75.7	77.8	74.1	81.6	80.8	78.9	79.5	77.6
	1984.....	82.2	80.5	76.5	71.1	^p 67.8	^p 73.0						
Over 6-month span	1982.....	19.2	22.2	21.9	24.6	20.3	21.4	21.4	18.6	23.2	27.3	29.5	35.4
	1983.....	50.8	63.0	69.2	75.1	80.0	82.4	84.1	82.4	84.6	85.9	86.8	83.8
	1984.....	81.9	82.7	^p 80.0	^p 77.3								
Over 12-month span	1982.....	21.6	21.4	17.6	18.1	16.2	18.1	21.1	21.1	25.1	31.6	34.1	40.3
	1983.....	49.5	54.3	61.9	71.1	77.3	79.5	83.8	88.1	86.8	87.3	85.4	^p 86.2
	1984.....	^p 86.5											

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

^p = preliminary.

NOTE: Figures are the percent of industries with employment

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

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

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

(In thousands)

State and area	Total			Mining			Construction		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Alabama	1,331.6	1,348.8	1,361.2	13.6	14.0	14.1	61.6	63.3	65.9
Birmingham	336.0	342.5	344.2	7.6	7.3	7.3	19.8	20.3	20.9
Huntsville	133.6	138.1	138.7	(¹)	(¹)	(¹)	4.4	4.8	5.1
Mobile	147.7	147.4	149.7	(¹)	(¹)	(¹)	9.7	9.8	10.6
Montgomery	108.1	109.6	110.4	(¹)	(¹)	(¹)	6.1	6.6	6.8
Tuscaloosa	48.8	51.2	50.5	1.8	2.4	2.5	2.2	2.0	2.1
Alaska	224.6	218.5	227.0	8.4	8.2	8.1	22.8	19.3	21.7
Arizona	1,053.1	1,140.9	1,124.5	14.6	13.9	13.9	78.5	90.0	91.3
Phoenix	679.1	744.4	734.0	.6	.7	.7	54.5	62.8	63.4
Tucson	196.2	210.1	207.9	3.8	3.7	3.8	15.5	18.2	18.8
Arkansas	738.7	774.2	767.2	5.3	5.6	5.6	30.8	31.1	32.6
Fayetteville-Springdale	67.4	70.6	70.0	(¹)	(¹)	(¹)	2.6	2.6	2.6
Fort Smith	69.6	70.8	70.0	1.1	1.2	1.3	2.9	2.8	2.9
Little Rock-North Little Rock	182.7	186.7	186.0	(¹)	(¹)	(¹)	8.9	8.7	9.1
Pine Bluff	29.3	29.9	29.6	(¹)	(¹)	(¹)	1.2	1.0	1.2
California	9,993.6	10,301.3	10,387.7	47.8	47.7	48.1	367.5	397.6	411.5
Anaheim-Santa Ana-Garden Grove	872.5	900.0	908.3	3.6	3.5	3.6	34.1	39.3	39.9
Bakersfield	141.5	142.5	143.4	14.1	14.7	14.8	7.3	6.5	6.5
Fresno	177.1	181.0	182.4	1.1	1.3	1.3	9.2	9.4	10.2
Los Angeles-Long Beach	3,550.8	3,650.4	3,672.1	12.6	12.4	12.4	96.8	100.9	102.6
Modesto	84.6	84.3	85.8	.1	.1	.1	4.7	4.6	5.2
Oxnard-Simi Valley-Ventura	165.3	166.1	166.7	3.5	3.3	3.3	6.2	6.4	6.4
Riverside-San Bernardino-Ontario	439.9	450.4	451.6	1.2	1.2	1.2	22.7	23.3	24.6
Sacramento	417.5	427.1	428.0	.8	.8	.8	17.6	19.6	20.1
Salinas-Seaside-Monterey	91.6	93.9	94.6	.4	.4	.4	3.2	3.2	3.3
San Diego	678.5	707.1	711.3	.5	.5	.5	31.3	36.8	38.0
San Francisco-Oakland	1,567.4	1,585.5	1,593.8	4.6	4.6	4.3	62.9	63.7	63.8
San Jose	717.5	737.8	741.8	.1	.1	.1	24.2	27.3	27.4
Santa Barbara-Santa Maria-Lompoc	124.9	127.1	127.5	1.6	1.5	1.4	4.6	4.9	5.0
Santa Rosa	97.2	99.3	100.7	.6	.6	.6	4.6	4.6	4.9
Stockton	118.0	120.9	121.3	.1	.1	.1	6.0	6.2	6.4
Vallejo-Fairfield-Napa	103.4	104.6	105.8	.4	.5	.5	4.8	5.2	5.3
Colorado	1,334.9	1,358.0	1,369.4	37.0	37.4	37.7	83.4	85.3	88.7
Denver-Boulder	865.6	880.1	885.5	26.3	25.2	25.3	51.3	51.7	53.0
Connecticut	1,459.4	1,486.1	1,499.0	1.6	1.5	1.6	56.2	55.9	58.2
Bridgeport	168.5	168.5	169.7	(²)	(²)	(²)	5.1	4.7	5.2
Hartford	407.5	409.6	413.5	.2	.2	.2	13.1	12.6	13.1
New Britain	59.6	59.9	59.8	(²)	(²)	(²)	2.5	2.5	2.7
New Haven-West Haven	191.4	198.6	199.4	.3	.3	.3	6.5	6.4	6.7
Stamford	114.7	114.3	115.9	.8	.7	.7	4.8	4.7	4.9
Waterbury	87.5	87.9	88.9	(²)	(²)	(²)	3.1	2.9	3.1
Delaware	270.0	274.2	273.7	.1	.1	.1	16.8	18.1	17.8
Wilmington	235.9	241.1	237.2	.2	.2	.2	19.7	19.6	19.5
District of Columbia	599.8	595.6	601.3	.1	.1	.1	10.1	10.5	10.7
Washington SMSA	1,655.5	1,689.5	1,710.4	1.1	1.0	1.1	77.3	83.0	86.7
Florida	3,886.8	4,119.3	4,122.6	9.8	10.0	9.8	265.7	302.2	308.2
Daytona Beach	86.3	90.6	90.7	(³)	(³)	(³)	4.7	5.8	5.9
Fort Lauderdale-Hollywood	366.3	381.9	380.8	(³)	(³)	(³)	26.2	28.7	29.2
Fort Myers-Cape Coral	78.5	81.1	81.5	(³)	(³)	(³)	8.6	9.1	9.2
Gainesville	70.1	72.7	71.2	(³)	(³)	(³)	4.6	4.5	4.7
Jacksonville	312.7	324.0	323.6	(³)	(³)	(³)	20.0	20.5	20.9
Lakeland-Winter Haven	114.0	116.9	114.6	4.4	4.6	4.5	6.5	6.8	6.9
Melbourne-Titusville-Cocoa	117.5	124.9	125.5	(³)	(³)	(³)	6.9	8.1	8.1
Miami	734.6	750.3	749.8	(³)	(³)	(³)	37.4	40.7	40.7
Orlando	340.6	360.8	360.6	(³)	(³)	(³)	22.5	24.8	24.7
Pensacola	106.1	110.0	110.5	(³)	(³)	(³)	7.6	8.2	8.2
Sarasota	81.2	83.6	82.7	(³)	(³)	(³)	7.5	8.2	8.1
Tallahassee	76.4	79.7	78.8	(³)	(³)	(³)	3.5	4.4	4.5
Tampa-St. Petersburg	609.7	628.9	627.5	(³)	(³)	(³)	42.1	45.2	46.5
West Palm Beach-Boca Raton	234.0	247.8	246.9	(³)	(³)	(³)	19.9	20.5	21.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Alabama	340.9	351.8	353.9	70.9	71.9	72.5	272.5	278.8	281.1
Birmingham	47.2	50.5	50.6	29.0	29.6	29.7	80.3	81.1	81.5
Huntsville	42.4	46.1	46.2	2.8	2.7	2.7	23.3	24.1	24.2
Mobile	25.7	25.4	25.8	10.1	9.4	9.6	36.7	38.3	38.7
Montgomery	15.5	16.0	16.1	4.5	4.3	4.4	24.1	25.3	25.4
Tuscaloosa	7.7	8.1	8.2	1.7	1.6	1.6	10.1	10.4	10.4
Alaska	14.4	11.5	14.3	19.8	18.9	20.2	43.3	43.3	45.0
Arizona	155.8	166.9	168.7	56.5	58.4	59.0	256.4	270.6	269.6
Phoenix	112.2	120.5	121.7	36.2	37.9	38.2	173.3	184.7	183.8
Tucson	26.8	28.4	29.0	8.6	8.9	9.1	43.1	43.9	43.9
Arkansas	202.5	211.1	211.0	43.2	44.8	45.9	164.0	171.0	172.8
Fayetteville-Springdale	19.7	20.2	20.4	4.5	4.9	5.1	16.2	16.7	16.7
Fort Smith	22.8	23.3	22.8	3.5	3.6	3.6	15.0	15.0	15.1
Little Rock-North Little Rock	25.9	26.2	26.3	13.4	13.6	13.6	43.8	44.7	44.9
Pine Bluff	5.6	5.6	5.6	3.1	3.3	3.3	5.9	6.0	6.0
California	1,931.5	1,995.6	2,013.1	540.3	516.5	522.5	2,322.3	2,451.7	2,478.7
Anaheim-Santa Ana-Garden Grove	211.3	219.3	221.0	29.8	29.1	29.3	218.1	225.4	228.1
Bakersfield	9.6	9.3	9.3	8.0	7.9	7.9	35.6	36.4	36.5
Fresno	20.5	21.0	21.4	10.1	9.4	9.6	45.3	46.5	47.2
Los Angeles-Long Beach	853.3	876.3	880.2	195.7	189.8	190.8	802.3	843.2	848.9
Modesto	17.8	18.4	19.2	3.9	3.5	3.5	21.2	21.3	21.4
Oxnard-Simi Valley-Ventura	25.1	25.0	24.9	6.7	7.0	7.1	40.9	41.4	41.8
Riverside-San Bernardino-Ontario	58.3	57.3	57.3	25.5	25.2	25.4	111.6	116.1	117.2
Sacramento	28.2	29.7	30.1	21.9	20.5	20.7	97.9	101.3	101.3
Salinas-Seaside-Monterey	8.6	9.4	9.4	4.5	4.5	4.5	24.5	24.5	24.8
San Diego	106.0	111.2	112.0	30.1	29.1	29.1	159.1	167.5	168.5
San Francisco-Oakland	182.4	183.0	182.9	126.1	126.4	127.5	363.0	374.0	376.4
San Jose	260.7	267.9	271.1	21.4	20.0	20.2	131.6	139.8	140.0
Santa Barbara-Santa Maria-Lompoc	20.3	21.6	21.7	5.2	5.3	5.3	29.9	29.8	30.1
Santa Rosa	15.1	16.8	17.0	5.0	4.6	4.7	23.8	24.1	24.6
Stockton	18.5	20.1	20.5	8.2	7.7	7.9	27.6	27.8	27.9
Vallejo-Fairfield-Napa	10.1	9.7	10.3	4.3	4.1	4.2	22.7	23.8	24.0
Colorado	180.6	186.7	188.3	85.2	85.0	85.9	328.4	331.3	334.3
Denver-Boulder	123.8	128.2	129.5	62.5	62.6	63.2	210.1	211.7	212.5
Connecticut	403.2	415.2	417.7	63.5	63.8	64.7	313.7	316.8	320.3
Bridgeport	58.3	59.7	59.7	6.8	6.6	6.7	36.7	36.1	36.6
Hartford	86.9	88.0	88.8	14.7	14.5	14.7	85.4	85.1	85.8
New Britain	24.3	24.2	24.1	3.0	3.1	3.1	10.8	10.9	11.0
New Haven-West Haven	38.5	39.5	39.3	15.7	15.9	15.9	42.7	46.2	46.6
Stamford	31.2	31.0	31.3	4.5	4.2	4.3	24.9	25.2	25.5
Waterbury	29.5	30.0	30.0	3.3	3.4	3.4	16.8	16.9	17.2
Delaware	68.3	67.6	65.6	12.5	11.8	11.6	60.1	60.0	61.8
Wilmington	60.1	59.2	56.6	12.0	11.5	11.3	48.4	48.8	49.2
District of Columbia	14.2	14.4	14.5	26.1	25.1	25.3	60.0	58.7	59.4
Washington SMSA	64.1	69.3	70.0	76.6	78.4	79.7	315.7	322.9	326.4
Florida	461.1	497.5	499.1	232.7	230.0	229.1	1,028.1	1,108.9	1,105.6
Daytona Beach	9.4	10.6	10.5	3.3	3.2	3.2	24.2	25.2	25.0
Fort Lauderdale-Hollywood	41.6	44.1	44.3	18.6	18.6	18.6	104.2	110.7	110.1
Fort Myers-Cape Coral	4.2	4.4	4.3	4.4	4.5	4.5	22.8	23.8	23.6
Gainesville	4.5	4.8	4.8	1.7	1.6	1.6	14.5	14.8	14.8
Jacksonville	31.8	33.7	33.3	25.4	25.7	25.8	82.0	85.0	85.4
Lakeland-Winter Haven	19.2	19.8	19.9	5.4	5.3	5.4	29.9	29.7	29.3
Melbourne-Titusville-Cocoa	25.4	28.0	28.3	5.2	5.0	5.1	26.1	28.9	28.9
Miami	90.8	94.5	94.6	69.0	69.2	69.0	188.5	190.4	188.9
Orlando	40.6	42.8	42.8	16.6	16.6	16.7	92.9	98.9	98.8
Pensacola	12.6	13.0	13.0	6.0	6.1	6.3	25.5	27.5	27.7
Sarasota	6.2	6.6	6.6	3.3	3.2	3.2	24.2	25.2	24.9
Tallahassee	3.1	3.2	3.2	2.7	2.7	2.6	16.6	18.0	18.1
Tampa-St. Petersburg	79.0	81.4	81.1	34.6	33.6	33.6	162.4	168.6	166.2
West Palm Beach-Boca Raton	29.6	33.2	33.7	9.9	10.2	10.1	61.4	65.4	64.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Alabama	60.1	61.1	61.8	219.8	220.0	220.1	292.2	287.9	291.8
Birmingham	23.8	24.2	24.5	73.8	74.5	74.9	54.5	55.0	54.8
Huntsville	3.7	3.6	3.7	20.4	20.3	20.4	36.6	36.5	36.4
Mobile	7.1	7.0	7.1	31.8	31.3	31.5	26.6	26.2	26.4
Montgomery	6.3	6.4	6.5	21.5	21.7	21.4	30.1	29.3	29.8
Tuscaloosa	1.6	1.6	1.6	6.6	6.7	6.7	17.1	18.4	17.4
Alaska	10.9	11.1	11.4	40.9	39.8	42.0	64.1	66.4	64.3
Arizona	65.9	68.9	69.1	238.2	257.2	258.4	187.2	215.0	194.5
Phoenix	51.5	54.0	54.2	159.1	175.1	175.4	91.7	108.7	96.6
Tucson	9.2	9.6	9.7	45.9	48.5	48.7	43.3	48.9	44.9
Arkansas	34.7	35.1	35.6	129.1	134.3	133.9	129.1	141.2	129.8
Fayetteville-Springdale	2.5	2.5	2.5	10.0	10.3	10.1	11.9	13.4	12.6
Fort Smith	2.6	2.7	2.7	12.8	12.5	12.6	8.9	9.7	9.0
Little Rock-North Little Rock	14.1	13.7	13.8	40.0	41.1	41.5	36.6	38.7	36.8
Pine Bluff	1.4	1.4	1.5	5.9	5.7	5.6	6.2	6.9	6.4
California	659.4	671.4	676.2	2,359.7	2,445.7	2,460.4	1,765.1	1,775.1	1,777.2
Anaheim-Santa Ana-Garden Grove	63.8	66.1	65.9	203.7	209.9	213.3	108.1	107.4	107.2
Bakersfield	5.6	5.7	5.7	27.0	27.8	28.1	34.3	34.2	34.6
Fresno	12.0	12.3	12.3	38.2	39.5	39.8	40.7	41.6	40.6
Los Angeles-Long Beach	236.1	241.6	243.1	882.7	915.0	923.8	471.3	471.2	470.3
Modesto	3.6	3.7	3.7	17.6	17.3	17.5	15.7	15.4	15.2
Oxnard-Simi Valley-Ventura	10.7	10.5	10.5	34.4	34.6	34.6	37.8	37.9	38.1
Riverside-San Bernardino-Ontario	19.5	19.7	19.7	98.3	101.5	101.0	102.8	106.1	105.2
Sacramento	23.6	23.9	23.9	82.3	84.3	84.5	145.2	147.0	146.6
Salinas-Seaside-Monterey	4.5	4.5	4.5	21.1	21.9	22.0	24.8	25.5	25.7
San Diego	45.6	46.9	47.0	163.8	170.5	172.9	142.1	144.6	143.3
San Francisco-Oakland	153.4	152.6	153.4	385.8	393.5	396.3	289.2	287.7	289.2
San Jose	29.3	29.3	29.4	172.5	176.2	176.9	77.7	77.2	76.7
Santa Barbara-Santa Maria-Lompoc	6.3	6.4	6.3	32.1	32.5	32.4	24.9	25.1	25.3
Santa Rosa	6.3	6.3	6.4	21.4	22.2	22.4	20.4	20.1	20.1
Stockton	6.1	6.2	6.2	24.2	24.7	24.1	27.3	28.1	28.2
Vallejo-Fairfield-Napa	3.7	3.7	3.7	21.5	22.2	22.1	35.9	35.4	35.7
Colorado	87.2	87.2	88.6	290.1	295.5	301.1	243.1	249.7	244.7
Denver-Boulder	62.8	62.9	63.9	192.6	198.4	200.8	136.2	139.4	137.3
Connecticut	119.1	121.0	122.6	317.6	325.2	327.8	184.5	186.7	186.1
Bridgeport	8.3	8.2	8.2	36.7	36.7	36.7	16.6	16.5	16.6
Hartford	68.4	69.5	70.9	85.2	86.5	86.3	53.6	53.2	53.7
New Britain	2.0	2.0	2.0	11.0	11.1	11.1	6.0	6.1	5.8
New Haven-West Haven	11.6	12.2	12.5	52.2	54.4	54.6	23.9	23.7	23.5
Stamford	8.9	8.8	9.0	29.2	29.3	29.8	10.4	10.4	10.4
Waterbury	4.0	4.0	4.1	19.3	19.2	19.5	11.5	11.5	11.6
Delaware	15.7	16.2	16.5	53.8	56.4	57.0	42.7	44.1	43.3
Wilmington	14.4	14.9	15.2	47.8	50.8	51.0	33.4	36.0	34.2
District of Columbia	34.7	34.0	34.4	193.4	193.0	193.2	261.2	259.8	263.7
Washington SMSA	95.9	95.2	97.2	492.1	502.1	508.6	532.7	537.6	540.7
Florida	286.4	306.5	308.5	963.2	1,016.0	1,014.7	639.8	648.2	647.6
Daytona Beach	5.3	5.6	5.7	23.9	23.9	24.0	15.5	16.3	16.4
Fort Lauderdale-Hollywood	33.2	34.3	34.5	92.3	94.4	92.4	50.2	51.1	51.7
Fort Myers-Cape Coral	6.9	6.7	6.7	18.8	19.5	19.9	12.8	13.1	13.3
Gainesville	3.1	3.0	2.9	15.1	14.6	14.6	26.6	29.4	27.8
Jacksonville	28.7	29.3	29.5	73.2	75.9	75.9	51.6	53.9	52.8
Lakeland-Winter Haven	7.4	7.2	7.3	25.5	27.2	26.1	15.7	16.3	15.2
Melbourne-Titusville-Cocoa	4.3	4.5	4.6	30.0	30.8	30.7	19.6	19.6	19.8
Miami	60.8	61.6	61.9	191.3	195.7	196.4	96.8	98.2	98.3
Orlando	22.1	23.1	23.3	100.6	106.3	106.3	45.3	48.3	48.0
Pensacola	4.3	4.3	4.4	24.1	24.6	24.4	26.0	26.3	26.5
Sarasota	7.2	7.5	7.4	22.3	22.2	22.3	10.5	10.7	10.2
Tallahassee	3.9	3.6	3.6	15.1	15.3	15.4	31.5	32.5	31.4
Tampa-St. Petersburg	45.2	48.1	48.6	160.0	166.6	166.1	86.4	85.4	85.4
West Palm Beach-Boca Raton	20.0	20.8	20.8	61.1	64.8	64.1	32.1	32.9	32.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Georgia	2,287.6	2,386.9	2,410.3	7.2	7.8	8.0	114.2	130.4	136.1
Albany	44.0	45.1	45.5	(¹)	(¹)	(¹)	1.8	1.8	1.8
Athens	54.8	56.5	56.5	(¹)	(¹)	(¹)	1.7	2.0	2.0
Atlanta	1,064.2	1,115.2	1,126.3	(¹)	(¹)	(¹)	51.2	59.3	60.0
Augusta	125.1	127.3	126.8	(¹)	(¹)	(¹)	7.6	7.3	7.1
Columbus	82.1	84.1	84.8	(¹)	(¹)	(¹)	4.1	4.7	4.9
Macon	101.5	102.7	103.3	(¹)	(¹)	(¹)	4.4	4.2	4.5
Savannah	89.4	92.2	91.9	(¹)	(¹)	(¹)	4.9	5.4	5.4
Hawaii	403.9	406.8	406.9	(¹)	(¹)	(¹)	18.0	16.9	16.8
Honolulu	328.6	332.1	332.0	(¹)	(¹)	(¹)	14.7	14.1	14.0
Idaho	322.2	325.8	328.7	4.2	4.3	4.5	14.2	12.3	13.0
Boise City	78.0	77.7	78.7	(¹)	(¹)	(¹)	4.8	4.6	4.5
Illinois	4,528.7	4,568.5	4,592.6	24.4	24.9	25.5	150.1	144.8	152.7
Bloomington-Normal	48.9	49.9	49.4	(¹)	(¹)	(¹)	1.2	1.1	1.2
Champaign-Urbana-Rantoul	70.2	75.2	71.0	(¹)	(¹)	(¹)	1.8	1.6	1.8
Chicago-Gary	3,261.2	3,260.8	3,282.7	3.2	3.7	3.8	118.4	112.9	119.3
Chicago SMSA	3,042.4	3,047.6	3,069.6	3.1	3.6	3.7	107.6	103.5	109.2
Davenport-Rock Island-Moline	145.8	148.8	148.4	(¹)	(¹)	(¹)	5.8	5.8	5.9
Decatur	50.6	52.5	52.4	(¹)	(¹)	(¹)	2.1	2.0	2.1
Kankakee	32.0	31.5	31.5	(¹)	(¹)	(¹)	1.2	1.1	1.1
Peoria	129.0	130.6	131.5	(¹)	(¹)	(¹)	6.5	6.8	7.0
Rockford	110.1	114.1	115.5	(¹)	(¹)	(¹)	2.9	3.4	3.4
Springfield	88.4	87.2	88.0	(¹)	(¹)	(¹)	3.0	2.7	2.9
Indiana	2,009.9	2,069.6	2,064.1	9.9	9.7	9.9	70.2	68.7	74.0
Anderson	45.1	46.3	46.2	(¹)	(¹)	(¹)	1.1	1.1	1.2
Elkhart	80.6	87.8	88.9	(¹)	(¹)	(¹)	1.9	2.1	2.2
Evansville	119.1	125.0	124.3	2.7	2.6	2.7	6.1	5.8	6.1
Fort Wayne	160.5	162.0	162.7	(¹)	(¹)	(¹)	5.7	5.5	5.8
Gary-Hammond-East Chicago	218.8	213.2	213.1	(¹)	(¹)	(¹)	10.8	9.4	10.1
Indianapolis	510.9	527.5	527.7	(¹)	(¹)	(¹)	20.8	20.8	21.9
Lafayette-West Lafayette	52.6	56.8	54.3	(¹)	(¹)	(¹)	1.5	1.4	1.5
Muncie	42.9	46.7	44.1	(¹)	(¹)	(¹)	1.3	1.3	1.4
South Bend	107.2	112.7	112.3	(¹)	(¹)	(¹)	4.0	4.3	4.6
Terre Haute	57.5	60.1	59.7	1.2	1.2	1.2	2.6	2.6	2.7
Iowa	1,023.3	1,041.9	1,036.3	2.0	2.1	2.2	38.8	39.7	43.3
Cedar Rapids	74.8	75.1	75.9	.1	.2	.2	2.7	2.4	2.6
Des Moines	172.3	174.3	174.3	(¹)	(¹)	(¹)	6.1	6.3	6.6
Dubuque	37.7	39.0	39.3	(¹)	(¹)	(¹)	1.1	1.0	1.1
Sioux City	45.9	47.2	47.1	(¹)	(¹)	(¹)	1.6	1.6	1.8
Waterloo-Cedar Falls	56.2	56.0	55.1	(¹)	(¹)	(¹)	1.9	2.1	2.3
Kansas	922.0	946.3	944.6	17.3	17.2	17.7	40.9	41.6	43.3
Lawrence	25.1	27.8	25.5	(¹)	(¹)	(¹)	.8	.9	.9
Topeka	83.1	84.8	85.7	.1	.2	.3	2.6	2.8	2.8
Wichita	191.4	201.0	202.1	3.3	3.1	3.1	8.5	9.1	9.5
Kentucky	1,166.6	1,189.2	1,202.6	41.5	42.7	43.3	47.8	54.2	58.7
Lexington-Fayette	146.7	148.4	147.1	(¹)	(¹)	(¹)	6.9	7.7	8.3
Louisville	368.2	375.0	376.8	(¹)	(¹)	(¹)	15.1	19.5	20.5
Owensboro	30.6	31.5	31.3	1.0	1.1	1.1	1.7	1.7	1.9
Louisiana	1,567.7	1,574.4	1,575.6	79.7	76.6	77.5	115.7	114.4	113.4
Alexandria	53.5	54.2	54.1	(¹)	(¹)	(¹)	3.5	3.3	3.4
Baton Rouge	203.8	209.9	208.5	1.0	.9	.9	20.2	20.3	20.4
Lafayette	88.5	88.5	88.5	16.3	16.5	16.7	5.4	4.9	5.0
Lake Charles	62.2	58.5	58.7	2.3	2.2	2.2	6.7	4.3	4.5
Monroe	51.7	50.3	51.4	.5	.5	.5	3.2	2.6	2.6
New Orleans	505.2	511.2	511.2	18.6	18.5	18.4	30.6	32.9	32.0
Shreveport	148.5	152.1	152.4	6.2	6.6	6.7	9.2	9.9	9.8
Maine	430.6	427.6	440.8	2	.2	.2	18.2	17.4	18.3
Lewiston-Auburn	34.0	34.2	34.5	(¹)	(¹)	(¹)	1.4	1.3	1.4
Portland	96.9	100.9	103.4	(¹)	(¹)	(¹)	4.3	4.6	4.7
Maryland	1,716.3	1,750.8	1,770.4	1.7	1.3	1.3	98.5	105.7	109.0
Baltimore SMSA	947.0	960.1	964.8	.1	.1	.1	46.1	51.2	52.1
Baltimore City	434.2	438.2	440.1	(¹)	(¹)	(¹)	15.6	17.8	18.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
Georgia	510.3	530.5	535.2	148.8	152.6	153.6	547.6	581.8	590.1
Albany	10.3	10.6	10.8	2.4	2.4	2.4	10.3	11.1	11.2
Athens	14.2	14.7	14.8	1.5	1.6	1.6	10.6	10.9	10.8
Atlanta	146.1	153.3	155.0	92.9	95.1	95.6	297.4	317.0	320.6
Augusta	33.0	33.1	33.1	4.2	4.3	4.3	23.9	24.6	24.9
Columbus	20.1	21.3	21.2	3.1	3.0	3.1	17.0	17.8	17.9
Macon	16.3	16.6	17.0	4.4	4.3	4.3	21.1	21.9	22.1
Savannah	15.6	16.7	16.9	10.0	9.8	10.0	21.3	21.5	21.6
Hawaii	23.2	21.5	22.8	31.1	30.9	31.0	105.4	107.8	108.4
Honolulu	17.4	15.8	16.7	25.7	25.7	25.8	85.2	87.9	88.3
Idaho	53.3	52.2	54.6	19.0	18.8	19.1	79.7	82.5	82.6
Boise City	9.0	9.1	9.5	5.5	4.9	4.9	19.7	19.1	19.4
Illinois	954.6	988.1	996.9	265.7	269.6	272.0	1,087.3	1,103.0	1,109.1
Bloomington-Normal	5.3	5.9	5.8	3.2	3.1	3.2	11.9	13.0	13.1
Champaign-Urbana-Rantoul	7.1	6.9	6.9	2.5	2.4	2.5	18.0	18.0	18.0
Chicago-Gary	712.3	715.7	720.6	191.5	192.8	195.0	786.3	788.4	792.2
Chicago SMSA	641.6	648.7	653.8	178.8	179.8	182.0	740.0	741.7	745.1
Davenport-Rock Island-Moline	35.1	36.5	36.6	6.9	6.9	7.0	38.4	38.6	38.6
Decatur	17.3	18.2	18.3	4.0	3.9	3.9	10.9	11.4	11.4
Kankakee	5.9	6.1	6.1	1.1	1.1	1.1	7.1	7.2	7.2
Peoria	34.8	36.1	36.2	6.7	6.7	6.7	31.0	30.9	31.0
Rockford	41.4	44.3	45.1	4.4	4.2	4.4	24.4	24.6	24.7
Springfield	5.7	5.7	5.8	4.3	4.1	4.2	19.2	19.0	19.1
Indiana	578.2	612.0	612.3	102.0	102.4	103.2	465.0	468.5	472.0
Anderson	17.5	18.6	18.6	1.2	1.2	1.2	9.7	9.7	9.8
Elkhart	44.2	49.2	49.9	2.6	2.6	2.7	14.7	16.0	16.2
Evansville	29.5	35.0	33.7	7.0	6.9	7.1	30.5	30.9	31.1
Fort Wayne	46.9	47.6	47.9	9.9	10.3	10.4	39.3	39.8	40.1
Gary-Hammond-East Chicago	70.7	67.0	66.8	12.7	13.0	13.0	46.3	46.7	47.1
Indianapolis	106.1	109.9	110.1	30.3	31.0	31.3	129.4	132.9	134.0
Lafayette-West Lafayette	10.3	11.2	11.3	1.8	1.7	1.8	11.1	11.6	11.5
Muncie	10.4	11.2	11.5	1.9	1.9	1.9	11.1	11.1	10.9
South Bend	27.3	29.7	30.2	4.7	4.7	4.8	27.2	28.5	28.7
Terre Haute	12.4	12.8	12.9	3.4	3.4	3.4	14.8	16.0	15.9
Iowa	199.3	207.3	208.8	50.4	49.5	49.9	261.4	261.8	261.5
Cedar Rapids	19.7	20.4	20.6	3.9	3.7	3.8	18.2	17.9	18.0
Des Moines	20.5	21.7	21.7	10.5	10.1	10.2	44.5	44.6	44.7
Dubuque	10.8	11.8	12.2	1.7	1.7	1.7	8.5	8.6	8.6
Sioux City	8.4	9.4	9.1	3.4	3.4	3.4	12.1	12.3	12.3
Waterloo-Cedar Falls	16.6	16.0	15.9	1.9	1.8	1.9	12.5	12.6	12.5
Kansas	166.6	176.1	178.2	62.4	64.0	64.7	224.4	227.7	228.2
Lawrence	4.2	4.1	4.2	1.3	1.3	1.3	5.6	5.9	5.8
Topeka	9.1	9.9	9.9	7.6	7.7	7.8	17.9	18.9	18.8
Wichita	50.0	54.7	55.5	10.0	10.3	10.4	45.1	47.9	48.4
Kentucky	242.8	253.9	256.7	63.2	62.9	64.0	265.8	271.1	273.9
Lexington-Fayette	26.5	28.7	28.4	7.5	7.3	7.4	33.6	32.4	32.5
Louisville	82.9	85.4	85.9	21.4	21.2	21.3	88.2	89.3	89.9
Owensboro	6.1	6.3	6.4	2.4	2.3	2.3	7.5	7.7	7.7
Louisiana	179.1	179.7	181.9	118.3	114.7	115.4	370.7	374.4	376.5
Alexandria	5.2	5.3	5.4	2.5	2.5	2.5	12.5	12.6	12.7
Baton Rouge	22.3	22.2	22.2	10.0	9.9	9.9	48.3	50.6	51.2
Lafayette	3.7	3.8	3.8	6.9	6.8	6.8	23.5	23.8	24.0
Lake Charles	9.7	9.1	9.2	4.5	4.6	4.6	14.5	13.9	14.0
Monroe	7.1	7.1	7.0	2.7	2.6	2.8	14.2	14.2	14.1
New Orleans	41.0	39.5	40.0	47.5	46.4	46.2	129.2	130.9	131.7
Shreveport	22.6	25.6	25.9	9.3	9.2	9.1	34.4	34.2	34.3
Maine	110.2	108.4	111.8	19.0	17.7	18.3	97.8	97.9	103.1
Lewiston-Auburn	11.4	11.5	11.7	1.3	1.2	1.2	7.9	8.0	8.1
Portland	15.6	17.2	17.2	5.8	5.4	5.7	27.3	27.8	28.9
Maryland	213.3	214.5	217.6	87.2	89.4	90.7	421.6	433.4	437.9
Baltimore SMSA	142.0	140.9	142.1	57.8	58.6	59.4	220.7	227.4	225.5
Baltimore City	56.4	52.6	53.0	34.8	34.9	34.8	92.9	95.8	95.9

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		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Georgia	121.7	126.1	127.2	397.1	418.1	423.6	440.7	439.7	436.5
Albany	2.1	2.1	2.1	6.3	6.2	6.2	10.8	11.0	11.0
Athens	1.7	1.7	1.7	7.1	7.5	7.5	18.1	18.2	18.2
Atlanta	75.6	76.4	76.7	233.4	248.5	252.9	167.5	165.6	165.7
Augusta	4.7	4.7	4.8	19.8	20.1	20.3	31.9	33.1	32.4
Columbus	5.4	5.6	5.7	12.1	12.0	12.2	20.2	19.7	19.9
Macon	6.3	6.4	6.3	18.1	18.3	18.4	30.8	31.0	30.7
Savannah	4.1	4.5	4.5	17.3	17.8	17.9	16.3	16.4	15.6
Hawaii	31.8	30.9	31.2	103.7	106.1	105.7	90.7	92.7	91.0
Honolulu	27.4	26.7	26.9	81.3	83.2	83.1	76.9	78.7	77.2
Idaho	23.4	23.4	23.6	60.2	62.2	62.9	68.2	70.1	68.4
Boise City	7.8	8.2	8.1	15.7	16.1	16.4	15.5	15.7	15.9
Illinois	324.7	319.6	324.5	1,024.3	1,016.4	1,025.0	697.6	702.1	686.9
Bloomington-Normal	8.6	8.7	8.8	9.1	9.0	8.9	9.6	9.1	8.4
Champaign-Urbana-Rantoul	2.4	2.4	2.4	11.9	12.3	12.2	26.5	31.6	27.2
Chicago-Gary	250.3	247.2	250.2	781.8	787.0	789.6	417.5	413.2	412.0
Chicago SMSA	241.6	238.9	241.9	744.0	748.5	751.5	385.7	382.9	382.4
Davenport-Rock Island-Moline	7.2	7.2	7.2	25.3	26.5	25.6	27.1	27.3	27.5
Decatur	2.7	2.8	2.8	8.7	9.0	8.9	4.9	5.2	5.0
Kankakee	1.5	1.5	1.4	7.4	6.9	7.0	7.8	7.6	7.6
Peoria	6.5	6.5	6.5	27.3	27.5	27.9	16.2	16.1	16.2
Rockford	4.3	4.2	4.3	20.1	20.7	21.0	12.6	12.7	12.6
Springfield	7.6	7.5	7.6	18.9	18.5	18.8	29.7	29.7	29.6
Indiana	102.1	101.4	102.9	365.5	372.0	374.4	316.9	334.9	315.4
Anderson	1.6	1.6	1.6	8.0	8.3	8.0	6.0	5.7	5.8
Elkhart	2.1	2.1	2.2	10.0	10.6	10.5	5.1	5.2	5.2
Evansville	4.5	4.6	4.6	26.7	26.9	26.8	12.1	12.3	12.2
Fort Wayne	10.7	10.6	10.9	30.3	30.5	30.5	17.6	17.6	17.0
Gary-Hammond-East Chicago	8.7	8.3	8.3	37.8	38.5	38.1	31.8	30.3	29.6
Indianapolis	39.3	40.1	40.8	103.3	108.5	108.4	80.9	83.6	80.4
Lafayette-West Lafayette	2.6	2.5	2.7	9.4	9.6	9.6	15.8	18.8	15.8
Muncie	1.5	1.5	1.6	8.7	8.7	8.8	8.0	11.0	8.0
South Bend	5.3	5.3	5.4	26.6	27.8	27.3	12.1	12.4	11.3
Terre Haute	2.1	2.1	2.1	10.2	10.8	10.5	10.8	11.2	11.0
Iowa	59.9	60.8	61.5	207.1	209.7	205.0	204.2	211.0	204.1
Cedar Rapids	4.3	4.4	4.4	15.7	15.8	15.7	10.2	10.3	10.6
Des Moines	22.1	22.5	22.8	41.1	41.3	40.6	27.6	27.8	27.8
Dubuque	1.3	1.3	1.3	10.5	10.8	10.8	3.7	3.7	3.6
Sioux City	2.6	2.6	2.6	11.9	11.9	11.8	5.9	6.1	6.1
Waterloo-Cedar Falls	2.2	2.2	2.3	11.1	10.5	10.7	9.9	10.7	9.6
Kansas	50.1	49.6	50.1	175.1	175.8	176.1	185.2	194.3	186.3
Lawrence9	.9	.9	3.9	4.1	4.0	8.4	10.5	8.3
Topeka	5.9	5.9	6.0	18.0	17.7	17.9	21.9	21.7	22.2
Wichita	10.0	9.8	9.9	40.4	40.1	40.1	24.1	26.0	25.2
Kentucky	53.9	53.5	53.9	229.7	230.6	232.4	221.9	220.3	219.7
Lexington-Fayette	7.5	7.4	7.4	33.7	33.4	33.4	31.0	31.5	29.7
Louisville	24.3	25.1	25.4	81.3	81.6	81.5	54.9	52.9	52.2
Owensboro	1.3	1.2	1.2	6.3	6.4	6.4	4.3	4.8	4.3
Louisiana	83.4	83.5	83.8	304.9	312.9	311.2	315.9	318.2	315.9
Alexandria	2.9	2.9	2.9	11.5	11.8	11.6	15.4	15.8	15.6
Baton Rouge	12.5	12.5	12.5	38.7	39.7	40.1	50.8	53.8	51.3
Lafayette	3.8	3.8	3.8	18.8	18.5	18.7	10.1	10.4	9.7
Lake Charles	2.9	3.0	3.0	11.0	10.9	10.7	10.6	10.5	10.5
Monroe	4.0	4.0	4.0	10.2	10.3	10.3	9.8	9.0	10.1
New Orleans	32.2	31.5	31.5	121.6	127.4	124.3	84.5	84.1	87.1
Shreveport	8.2	8.1	8.2	31.6	32.3	32.4	27.0	26.2	26.0
Maine	18.3	18.7	18.9	86.0	85.2	88.0	80.9	82.1	82.2
Lewiston-Auburn	1.6	1.7	1.8	7.3	7.3	7.3	3.1	3.2	3.0
Portland	8.4	8.8	8.9	23.0	23.7	24.6	12.5	13.4	13.4
Maryland	99.0	97.8	99.7	405.6	411.7	419.8	389.4	397.0	394.4
Baltimore SMSA	60.6	59.7	60.8	214.4	217.5	220.1	205.3	204.7	204.7
Baltimore City	40.8	39.7	40.2	113.3	117.2	117.2	80.4	80.2	80.9

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		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Massachusetts	2,711.8	2,741.5	2,762.7	1.2	1.1	1.2	86.3	87.6	93.6
Boston	1,513.2	1,539.4	1,546.9	.4	.5	.5	46.2	43.7	45.7
Brockton	58.1	59.0	59.2	(¹)	(¹)	(¹)	2.2	2.5	2.6
Fall River	55.5	56.0	56.5	(¹)	(¹)	(¹)	2.0	2.0	2.1
Fitchburg-Leominster	40.9	42.7	43.1	(¹)	(¹)	(¹)	1.5	1.4	1.4
Lawrence-Haverhill	115.3	115.6	116.0	(¹)	(¹)	(¹)	3.3	3.3	3.5
Lowell	85.7	90.1	90.6	(¹)	(¹)	(¹)	2.6	2.2	2.3
New Bedford	66.1	67.9	69.2	(¹)	(¹)	(¹)	2.1	2.5	2.6
Pittsfield	52.5	52.5	53.9	.1	.1	.1	1.7	1.8	2.0
Springfield-Chicopee-Holyoke	231.8	233.1	230.0	.1	.1	.1	6.4	5.9	6.3
Worcester	157.8	158.5	158.6	.6	.6	.6	4.3	3.7	3.9
Michigan	3,190.4	3,292.7	3,302.7	9.1	9.3	9.6	91.3	99.1	106.1
Ann Arbor	130.6	137.5	136.1	(¹)	(¹)	(¹)	3.9	4.0	4.1
Battle Creek	58.8	60.4	60.3	(¹)	(¹)	(¹)	1.8	1.6	1.7
Bay City	32.0	32.4	32.6	(¹)	(¹)	(¹)	1.0	.8	1.0
Benton Harbor	55.2	57.4	57.7	(¹)	(¹)	(¹)	2.3	2.4	2.5
Detroit	1,540.2	1,590.4	1,600.1	.8	.8	.8	37.2	42.1	44.0
Flint	175.7	185.9	185.3	(¹)	(¹)	(¹)	3.6	3.8	4.4
Grand Rapids	264.7	272.9	272.5	(¹)	(¹)	(¹)	9.8	9.7	10.3
Jackson	46.0	47.3	47.6	(¹)	(¹)	(¹)	1.1	1.2	1.3
Kalamazoo-Portage	104.5	106.4	106.4	(¹)	(¹)	(¹)	3.7	3.6	3.8
Lansing-East Lansing	190.5	192.0	189.8	(¹)	(¹)	(¹)	3.9	6.0	6.4
Muskegon-Norton Shores-Muskegon Heights	54.1	57.2	57.7	(¹)	(¹)	(¹)	2.1	2.1	2.2
Saginaw	77.6	80.6	80.9	(¹)	(¹)	(¹)	2.2	2.1	2.4
Minnesota	1,735.6	1,814.6	1,832.1	10.0	10.7	11.1	66.2	69.0	77.1
Duluth-Superior	52.8	52.9	53.2	(¹)	(¹)	(¹)	1.3	1.4	1.6
Minneapolis-St. Paul	1,086.6	1,135.9	1,143.2	(¹)	(¹)	(¹)	38.6	39.9	43.8
Rochester	51.3	51.6	51.8	(¹)	(¹)	(¹)	1.9	1.6	1.7
St. Cloud	55.1	58.3	57.5	(¹)	(¹)	(¹)	2.6	2.9	3.2
Mississippi	795.3	805.6	799.8	8.7	9.0	9.1	37.0	32.8	33.3
Jackson	145.1	148.8	147.9	1.6	1.7	1.7	6.1	6.7	6.9
Missouri	1,933.3	1,962.8	1,966.4	6.6	6.0	5.9	78.6	76.8	79.9
Kansas City	614.5	629.0	633.9	.6	.6	.6	23.6	24.1	25.8
St. Joseph	37.1	36.4	36.7	(¹)	(¹)	(¹)	1.4	1.5	1.6
St. Louis	993.2	1,016.3	1,020.8	3.4	3.6	3.6	43.8	48.2	50.3
Springfield	87.8	91.5	90.6	.1	.1	.1	3.3	3.4	3.5
Montana	276.1	274.2	275.9	7.7	6.1	6.9	14.0	12.1	13.3
Nebraska	611.8	627.9	630.2	1.9	1.7	1.8	23.5	21.2	22.5
Lincoln	93.6	97.7	95.9	(¹)	(¹)	(¹)	3.1	3.0	3.2
Omaha	264.0	271.8	274.1	.1	.2	.2	10.0	9.2	9.6
Nevada	407.5	416.8	421.8	6.0	6.4	6.5	20.3	21.1	21.3
Las Vegas	229.2	232.8	235.5	.3	.3	.3	12.3	13.2	13.1
Reno	112.3	116.5	117.2	.6	.7	.7	5.2	5.2	5.4
New Hampshire	416.9	418.9	431.8	.5	.4	.5	26.7	18.6	20.2
Manchester	80.1	82.1	83.4	(¹)	(¹)	(¹)	3.7	3.9	4.1
Nashua	72.5	75.8	77.5	.1	.1	.1	3.1	3.0	3.1
New Jersey	3,200.1	3,260.4	3,315.6	2.0	2.0	2.0	115.3	128.5	133.0
Atlantic City	109.9	113.4	119.3	(¹)	(¹)	(¹)	4.6	5.5	5.5
Camden	363.3	364.6	368.3	.1	.1	.1	13.4	14.0	14.4
Hackensack	416.6	419.0	422.7	(¹)	(¹)	(¹)	14.8	15.5	15.9
Jersey City	219.8	219.7	220.2	(¹)	(¹)	(¹)	4.8	5.2	5.4
Long Branch-Asbury Park	178.4	181.1	186.1	(¹)	(¹)	(¹)	7.4	8.5	9.0
New Brunswick-Perth Amboy-Sayreville	296.3	301.7	303.7	(¹)	(¹)	(¹)	9.4	10.3	10.8
Newark	963.2	984.0	995.6	.7	.6	.6	31.9	32.3	33.9
Paterson-Clifton-Passaic	191.2	193.1	195.3	(¹)	(¹)	(¹)	6.8	7.4	7.6
Trenton	167.7	171.1	172.5	(¹)	(¹)	(¹)	3.3	3.3	3.6
Vineland-Millville-Bridgeton	52.3	51.5	52.2	(¹)	(¹)	(¹)	1.6	1.8	1.8
New Mexico	481.6	496.3	500.6	20.3	21.6	21.7	36.0	36.5	38.1
Albuquerque	198.6	206.8	209.3	(¹)	(¹)	(¹)	14.3	14.9	15.8
Las Cruces	32.7	36.1	34.9	(¹)	(¹)	(¹)	2.6	2.7	2.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Massachusetts	628.1	639.3	644.6	122.3	122.5	124.6	613.8	625.2	639.7
Boston	284.4	290.3	294.1	73.1	72.8	73.7	338.3	339.8	342.9
Brockton	11.2	10.7	10.8	3.9	4.2	4.3	16.1	16.9	17.0
Fall River	19.7	19.4	19.6	1.9	2.0	2.1	12.3	12.9	13.0
Fitchburg-Leominster	15.9	16.5	16.7	1.6	1.6	1.6	8.5	9.5	9.6
Lawrence-Haverhill	41.6	42.6	42.7	5.1	4.7	4.9	23.3	22.8	23.0
Lowell	34.1	36.9	37.3	2.9	3.0	3.0	17.6	18.1	18.1
New Bedford	24.6	26.2	26.6	2.3	2.3	2.4	13.8	13.3	13.5
Pittsfield	15.6	15.9	16.1	1.4	1.3	1.3	12.2	12.6	13.0
Springfield-Chicopee-Holyoke	55.7	55.1	55.6	9.4	9.4	9.5	50.1	50.1	50.4
Worcester	40.2	39.7	39.9	7.2	6.7	6.7	37.2	38.0	38.3
Michigan	875.0	933.9	944.0	140.0	139.5	137.0	694.5	713.2	722.0
Ann Arbor	33.0	35.5	35.6	3.1	3.2	3.3	20.4	20.5	20.5
Battle Creek	17.8	17.7	17.8	2.0	2.0	2.0	9.6	10.5	10.5
Bay City	7.6	8.2	8.3	1.6	1.4	1.5	8.8	8.5	8.7
Benton Harbor	18.4	18.9	19.2	2.3	2.3	2.4	10.7	11.0	11.3
Detroit	411.6	440.8	445.7	72.3	71.5	69.4	352.7	367.6	369.6
Flint	64.7	70.5	70.7	5.4	5.0	5.1	40.4	42.7	43.3
Grand Rapids	86.7	92.4	93.1	10.5	10.6	10.6	65.1	65.6	65.7
Jackson	11.0	11.8	11.9	5.1	4.9	4.9	9.5	9.5	9.7
Kalamazoo-Portage	30.9	32.1	32.2	3.9	3.6	3.6	22.3	23.0	23.2
Lansing-East Lansing	38.8	34.2	35.4	5.5	5.1	5.1	34.7	37.0	37.7
Muskegon-Norton Shores-Muskegon Heights	17.2	19.2	19.6	2.8	2.8	2.9	11.2	11.4	11.6
Saginaw	24.6	26.7	26.7	4.5	4.6	4.4	17.6	17.0	17.3
Minnesota	345.5	363.5	371.8	93.4	96.6	96.6	433.2	452.9	460.9
Duluth-Superior	4.7	4.5	4.5	5.2	4.9	5.1	14.3	14.4	14.6
Minneapolis-St. Paul	233.5	247.7	252.0	61.6	65.9	66.1	263.5	273.3	277.3
Rochester	10.1	10.5	10.5	1.9	2.0	2.1	10.4	10.1	10.2
St. Cloud	10.6	10.7	10.8	3.4	3.5	3.5	16.0	16.7	16.8
Mississippi	205.3	210.9	210.2	38.7	38.5	38.7	165.3	169.2	170.1
Jackson	16.1	16.3	16.3	9.8	9.9	9.9	35.5	36.5	36.5
Missouri	400.5	419.3	421.4	132.7	135.7	135.7	459.0	461.7	465.4
Kansas City	110.0	116.1	116.5	50.7	50.2	50.4	158.7	160.1	161.5
St. Joseph	8.9	8.7	8.7	2.1	2.0	2.0	8.9	8.6	8.6
St. Louis	212.9	221.5	221.9	71.5	72.1	72.4	230.6	234.7	237.7
Springfield	18.5	19.3	19.8	6.0	5.9	6.0	24.9	25.6	25.6
Montana	21.1	20.7	21.1	20.4	20.4	20.5	70.5	70.2	71.6
Nebraska	84.7	90.2	91.6	43.8	42.1	42.6	157.5	160.5	160.0
Lincoln	11.3	12.0	12.1	6.3	6.4	6.5	20.9	21.1	20.8
Omaha	33.6	36.3	36.7	22.4	21.9	22.1	67.4	67.9	68.1
Nevada	19.2	20.2	20.3	24.6	24.7	24.8	81.1	82.8	83.2
Las Vegas	7.2	7.8	7.8	14.0	14.0	14.0	46.6	47.1	47.1
Reno	7.4	7.7	7.7	8.0	8.1	8.1	24.1	25.6	25.7
New Hampshire	114.4	120.8	122.8	15.6	15.5	15.9	95.9	97.7	101.1
Manchester	16.8	17.2	17.5	5.1	5.2	5.2	21.0	21.9	22.2
Nashua	33.7	35.7	36.7	2.0	2.0	2.0	14.1	14.7	14.9
New Jersey	715.5	730.6	738.7	205.4	208.1	210.5	743.9	764.4	782.1
Atlantic City	8.1	7.7	7.8	4.7	4.7	4.7	21.5	20.5	22.4
Camden	70.5	71.5	71.7	16.3	16.3	16.5	95.4	97.6	98.5
Hackensack	102.5	101.7	102.2	21.8	21.5	21.7	125.9	128.9	130.0
Jersey City	59.4	58.9	59.3	26.5	26.1	26.0	46.4	47.0	46.9
Long Branch-Asbury Park	23.7	23.0	23.6	7.0	7.1	7.2	46.1	46.7	48.5
New Brunswick-Perth Amboy-Sayreville	81.2	82.7	83.6	24.2	23.8	24.0	71.3	72.2	72.8
Newark	221.7	223.4	225.7	79.4	80.8	81.4	194.6	204.5	206.2
Paterson-Clifton-Passaic	64.3	65.2	66.1	7.4	6.8	6.9	41.7	41.6	42.1
Trenton	31.3	31.7	31.8	5.5	5.1	5.1	26.5	28.3	28.8
Vineland-Millville-Bridgeton	15.9	14.9	15.3	2.5	2.7	2.8	9.7	9.4	9.4
New Mexico	34.4	35.5	35.8	28.9	29.1	27.9	111.8	116.2	118.1
Albuquerque	18.5	19.4	19.4	11.8	11.8	11.3	50.0	52.0	52.6
Las Cruces	3.2	3.3	3.3	1.2	1.3	1.1	6.1	7.3	7.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Massachusetts	173.2	172.8	176.1	710.6	721.9	716.4	376.3	371.1	366.5
Boston	121.0	121.1	123.3	463.3	485.2	480.3	186.5	186.0	186.4
Brockton	2.2	2.1	2.2	11.2	11.5	11.2	11.3	11.1	11.1
Fall River	2.8	2.9	2.9	10.0	10.2	10.2	6.8	6.6	6.6
Fitchburg-Leominster	1.3	1.2	1.2	6.9	6.7	6.9	5.2	5.8	5.7
Lawrence-Haverhill	4.4	4.4	4.5	21.1	20.9	21.1	16.5	16.9	16.3
Lowell	2.5	2.5	2.6	14.4	15.2	15.3	11.6	12.2	12.0
New Bedford	2.2	2.2	2.3	11.4	11.4	11.6	9.7	10.0	10.2
Pittsfield	2.4	2.3	2.3	12.2	11.6	12.3	6.9	6.9	6.8
Springfield-Chicopee-Holyoke	14.4	13.8	14.2	50.3	51.2	50.4	45.4	47.5	43.5
Worcester	9.9	9.6	9.8	34.8	37.1	36.6	23.6	23.1	22.8
Michigan	152.4	155.8	158.4	657.8	666.5	670.1	570.3	575.3	555.3
Ann Arbor	4.2	4.5	4.6	24.9	26.0	26.4	41.2	43.8	41.6
Battle Creek	4.0	4.0	4.0	11.2	12.1	11.6	12.3	12.6	12.6
Bay City	1.3	1.5	1.4	6.4	6.7	6.8	5.2	5.3	4.9
Benton Harbor	1.9	2.0	2.0	11.7	12.5	12.2	7.9	8.4	8.2
Detroit	88.5	88.9	90.2	358.0	362.4	364.7	219.1	216.3	215.7
Flint	5.9	5.9	6.0	29.2	29.7	29.7	26.6	28.3	26.2
Grand Rapids	10.9	11.1	11.1	53.0	54.5	53.3	28.8	29.1	28.4
Jackson	1.7	1.6	1.6	9.5	9.7	9.8	8.0	8.5	8.5
Kalamazoo-Portage	4.0	4.1	4.1	21.8	22.0	22.2	17.9	18.0	17.2
Lansing-East Lansing	9.8	9.7	9.8	30.8	31.7	32.0	67.0	68.3	63.5
Muskegon-Norton Shores-Muskegon Heights	1.4	1.5	1.5	10.2	10.3	10.3	9.1	9.8	9.7
Saginaw	3.8	3.6	3.6	14.5	15.0	15.1	10.5	11.7	11.4
Minnesota	101.8	105.5	106.1	395.1	415.0	410.9	290.4	301.5	297.6
Duluth-Superior	2.0	2.2	2.2	13.6	13.8	13.8	11.7	11.6	11.5
Minneapolis-St. Paul	75.7	78.2	78.6	258.7	273.5	268.0	155.0	157.4	157.4
Rochester	1.6	1.6	1.6	20.2	20.5	20.4	5.2	5.3	5.3
St. Cloud	2.0	2.1	2.1	10.5	11.3	11.2	9.9	11.1	9.9
Mississippi	34.1	34.4	34.7	127.2	128.2	127.0	178.9	182.6	176.8
Jackson	11.6	11.8	11.8	30.1	31.3	30.9	34.2	34.8	33.8
Missouri	111.8	109.8	110.9	418.0	416.1	419.3	326.1	337.5	327.9
Kansas City	47.6	48.5	49.3	138.1	138.9	140.7	85.2	90.5	89.1
St. Joseph	2.1	2.0	2.0	7.9	7.7	7.8	5.8	5.9	6.0
St. Louis	60.1	59.7	60.1	234.6	236.5	237.3	136.3	140.0	137.5
Springfield	3.8	3.8	3.8	20.7	21.5	21.4	10.5	11.9	10.4
Montana	13.2	12.9	13.1	57.8	60.0	60.7	71.5	71.7	68.7
Nebraska	42.0	42.7	43.2	126.8	130.1	129.2	131.7	139.5	139.5
Lincoln	7.0	7.3	7.3	18.5	19.5	19.2	26.5	28.4	26.8
Omaha	24.3	24.9	25.3	65.1	66.6	67.2	41.1	44.8	44.9
Nevada	18.6	19.2	19.2	179.9	182.1	187.1	57.8	60.3	59.4
Las Vegas	10.6	11.1	11.1	110.9	110.5	113.7	27.3	28.8	28.4
Reno	6.2	6.1	6.1	44.6	46.1	47.0	16.2	17.0	16.5
New Hampshire	21.8	22.6	23.0	86.1	87.5	93.0	55.9	55.8	55.3
Manchester	6.3	6.4	6.5	18.6	18.9	19.2	8.6	8.6	8.7
Nashua	2.3	2.4	2.5	12.2	12.5	12.7	5.0	5.4	5.5
New Jersey	174.7	176.2	179.0	709.2	715.2	730.8	534.0	535.4	539.5
Atlantic City	4.9	4.8	4.8	49.5	53.2	57.0	16.7	17.0	17.1
Camden	18.3	18.6	18.7	78.7	76.1	77.1	70.6	70.4	71.3
Hackensack	20.4	20.8	21.2	85.3	86.9	87.4	45.8	43.7	44.3
Jersey City	8.5	8.7	8.4	34.7	33.7	33.9	39.6	40.1	40.3
Long Branch-Asbury Park	8.3	8.4	8.5	48.1	49.5	51.2	37.7	37.9	38.1
New Brunswick-Perth Amboy-Sayreville	14.2	14.5	14.7	48.8	49.6	49.9	47.2	48.6	47.9
Newark	69.2	69.2	70.0	221.9	227.5	230.8	143.8	145.7	147.0
Paterson-Clifton-Passaic	9.7	9.2	9.1	36.1	37.2	37.7	25.2	25.7	25.8
Trenton	8.0	7.9	8.1	45.3	47.0	47.2	47.8	47.8	47.9
Vineland-Millville-Bridgeton	2.7	2.7	2.7	9.2	9.3	9.3	10.7	10.7	10.9
New Mexico	23.5	24.2	24.6	102.1	103.4	105.9	124.6	129.8	128.5
Albuquerque	11.9	12.3	12.5	50.5	52.8	53.6	41.6	43.6	44.1
Las Cruces	1.3	1.4	1.4	4.3	4.9	4.6	14.0	15.2	14.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
New York	7,369.0	7,476.8	7,545.2	7.3	7.6	7.7	240.3	241.4	252.5
Albany-Schenectady-Troy	342.1	349.2	351.6	(^b)	(^b)	(^b)	11.6	12.2	13.2
Binghamton	118.5	120.0	121.4	(^b)	(^b)	(^b)	4.2	4.6	5.0
Buffalo	468.8	468.3	472.6	(^b)	(^b)	(^b)	15.9	14.4	15.2
Elmira	33.8	34.3	34.9	(^b)	(^b)	(^b)	1.0	1.0	1.1
Glens Falls	40.6	39.1	41.4	(^b)	(^b)	(^b)	1.1	1.0	1.1
Monroe County	341.3	344.8	346.1	(^b)	(^b)	(^b)	10.1	10.1	10.6
Nassau-Suffolk	997.8	1,015.7	1,030.0	(^b)	(^b)	(^b)	43.0	44.7	45.8
Newburgh-Middletown	83.7	83.5	84.8	(^b)	(^b)	(^b)	2.6	2.9	2.9
New York-Northeastern New Jersey	6,921.2	7,026.7	7,092.3	2.3	2.4	2.3	222.7	227.7	235.2
New York and Nassau-Suffolk	4,834.2	4,909.1	4,954.9	2.2	2.3	2.2	154.9	157.0	161.5
New York SMSA	3,836.4	3,893.3	3,924.8	2.0	2.1	2.0	112.0	112.3	115.7
New York City	3,367.4	3,424.2	3,447.8	1.7	1.8	1.7	90.0	90.8	93.4
Poughkeepsie	106.5	108.9	109.2	(^b)	(^b)	(^b)	3.9	4.2	4.3
Rochester	419.0	424.7	427.3	(^b)	(^b)	(^b)	12.6	12.5	13.3
Rockland County	86.9	87.8	89.1	(^b)	(^b)	(^b)	3.1	3.1	3.3
Syracuse	264.6	267.8	269.6	(^b)	(^b)	(^b)	14.1	13.6	14.6
Utica-Rome	112.9	114.8	116.7	(^b)	(^b)	(^b)	3.1	3.4	3.6
Westchester County	368.3	368.2	374.4	(^b)	(^b)	(^b)	18.1	17.7	18.4
North Carolina	2,421.6	2,485.7	2,499.3	4.4	4.5	4.5	114.5	121.4	124.4
Asheville	73.4	71.1	73.1	(^b)	(^b)	(^b)	2.7	2.7	2.9
Charlotte-Gastonia	346.5	355.8	357.1	(^b)	(^b)	(^b)	17.5	18.7	19.0
Greensboro-Winston-Salem-High Point	393.1	402.6	404.6	(^b)	(^b)	(^b)	17.2	18.8	19.3
Raleigh-Durham	291.7	301.0	301.7	(^b)	(^b)	(^b)	17.1	17.0	17.9
North Dakota	254.4	253.3	254.1	7.1	7.7	8.1	20.3	15.1	16.7
Fargo-Moorhead	61.9	64.1	62.6	(^b)	(^b)	(^b)	3.2	2.7	3.1
Ohio	4,116.8	4,200.0	4,216.9	27.0	27.9	28.3	135.7	131.5	139.1
Akron	242.9	253.2	249.7	(^b)	(^b)	(^b)	7.5	7.0	7.6
Canton	144.9	147.8	148.5	(^b)	(^b)	(^b)	4.3	4.7	5.0
Cincinnati	578.8	590.0	594.6	(^b)	(^b)	(^b)	20.4	20.6	21.3
Cleveland	838.5	831.1	838.5	(^b)	(^b)	(^b)	26.4	24.8	25.3
Columbus	503.8	516.7	521.8	(^b)	(^b)	(^b)	16.1	15.9	16.8
Dayton	337.4	344.5	346.7	(^b)	(^b)	(^b)	9.6	9.1	10.0
Toledo	281.1	294.3	291.2	(^b)	(^b)	(^b)	10.5	9.8	10.1
Youngstown-Warren	179.4	183.1	182.4	(^b)	(^b)	(^b)	5.2	5.0	5.3
Oklahoma	1,174.0	1,183.8	1,184.8	76.6	73.2	73.6	51.6	47.5	48.2
Enid	26.5	26.1	25.9	2.2	2.1	2.0	1.3	1.2	1.2
Lawton	33.0	33.0	33.0	(^b)	(^b)	(^b)	1.4	1.3	1.3
Oklahoma City	424.4	436.4	438.9	22.6	23.9	23.9	19.6	18.8	19.3
Tulsa	301.8	307.0	306.9	22.8	22.9	22.8	14.5	14.9	15.2
Oregon	988.9	993.9	1,006.4	1.8	2.0	2.2	27.6	25.8	28.1
Eugene-Springfield	93.2	94.4	95.8	.2	.2	.2	2.7	2.5	2.7
Medford	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)	(^b)
Portland	529.3	531.1	536.2	.7	.7	.7	16.4	15.6	16.7
Salem	83.5	82.5	83.1	.1	(^b)	(^b)	2.5	2.3	2.4
Pennsylvania	4,562.2	4,633.8	4,666.6	39.9	39.7	39.7	174.6	171.3	181.1
Allentown-Bethlehem-Easton	252.1	255.1	258.1	.7	.7	.7	8.2	7.5	8.2
Altoona	47.1	46.4	46.9	.2	.2	.2	1.8	1.6	1.6
Delaware Valley	1,573.0	1,602.8	1,609.5	1.1	1.1	1.1	59.8	60.7	62.5
Erie	104.3	106.6	106.0	.2	.3	.3	2.8	2.7	2.9
Harrisburg	226.1	229.9	231.7	.1	.1	.1	7.9	7.4	7.9
Johnstown	74.4	75.3	76.0	5.9	6.1	6.3	2.2	2.1	2.3
Lancaster	154.2	157.6	157.2	.4	.4	.4	6.5	6.5	6.7
Northeast Pennsylvania	236.8	236.1	238.4	.8	.7	.7	11.0	7.6	8.3
Philadelphia SMSA	1,937.0	1,967.7	1,977.6	1.1	1.2	1.2	73.1	74.7	76.9
Philadelphia City	747.2	757.5	756.9	(^b)	(^b)	(^b)	17.4	17.7	18.3
Pittsburgh	868.6	862.0	868.2	6.7	6.7	6.7	41.4	40.0	41.6
Reading	135.9	141.9	142.4	.2	.2	.2	4.6	4.8	5.2
Sharon	40.4	40.2	40.5	.4	.4	.4	1.0	.8	.8
State College	43.7	48.8	44.9	.4	.3	.3	1.5	1.2	1.4
Williamsport	43.8	45.4	45.6	.2	.2	.2	1.1	1.0	1.1
York	149.7	153.2	153.9	.4	.4	.4	6.0	5.6	5.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
New York	1,309.0	1,311.1	1,328.4	420.8	412.0	414.2	1,513.3	1,541.0	1,560.6
Albany-Schenectady-Troy	51.0	50.3	51.0	15.4	15.1	15.9	69.9	73.8	74.1
Binghamton	41.9	41.7	42.5	4.4	4.4	4.4	21.7	22.1	22.4
Buffalo	104.5	102.2	103.6	25.4	24.9	25.6	110.9	111.6	112.5
Elmira	8.0	8.1	8.4	1.4	1.4	1.4	8.6	9.0	9.1
Glens Falls	9.8	9.9	10.0	1.3	1.3	1.4	8.7	8.2	9.0
Monroe County	126.0	125.2	126.9	10.3	10.0	10.1	65.6	66.5	66.9
Nassau-Suffolk	169.7	171.1	172.2	44.4	44.1	44.3	261.5	269.0	275.4
Newburgh-Middletown	14.2	14.2	14.3	5.2	5.4	5.4	19.9	19.8	20.6
New York-Northeastern New Jersey	1,222.2	1,221.5	1,233.5	470.0	464.0	466.1	1,463.5	1,501.3	1,517.2
New York and Nassau-Suffolk	693.1	689.6	696.6	310.7	305.0	306.1	983.7	1,007.1	1,019.1
New York SMSA	523.4	518.5	524.4	266.3	260.9	261.8	722.2	738.1	743.7
New York City	438.5	434.4	439.4	242.7	236.9	237.7	611.6	626.5	630.6
Poughkeepsie	34.3	34.2	34.9	3.3	3.3	3.3	17.5	17.8	18.1
Rochester	144.3	144.9	146.9	12.9	12.6	12.7	83.8	85.0	85.7
Rockland County	15.9	15.8	16.2	2.8	3.6	3.6	19.3	19.5	19.7
Syracuse	55.5	57.5	57.7	14.9	14.9	15.3	59.1	58.9	60.3
Utica-Rome	26.4	27.6	28.5	4.2	4.1	4.3	22.9	23.8	24.2
Westchester County	67.7	67.0	67.5	20.2	19.8	19.9	87.7	88.6	89.9
North Carolina	790.5	812.5	815.1	121.0	121.9	122.1	505.5	524.9	527.7
Asheville	21.2	21.1	21.0	3.5	3.5	3.6	15.6	15.9	16.1
Charlotte-Gastonia	90.3	93.3	93.8	32.2	32.3	32.4	84.7	86.3	86.7
Greensboro-Winston-Salem-High Point	143.6	147.8	148.4	21.3	21.9	21.8	80.5	83.3	84.0
Raleigh-Durham	48.4	50.7	51.2	14.4	14.5	14.7	56.8	59.3	59.2
North Dakota	14.8	15.1	15.4	16.2	16.4	16.4	67.0	66.2	66.8
Fargo-Moorhead	4.5	4.6	4.7	3.9	3.7	3.7	18.7	19.0	19.0
Ohio	1,064.1	1,117.7	1,120.7	201.4	198.4	200.1	934.7	936.9	944.1
Akron	65.0	67.5	67.8	12.7	12.5	12.7	57.1	57.1	57.6
Canton	44.4	45.3	45.2	6.0	5.8	5.9	33.5	33.6	34.0
Cincinnati	140.5	145.0	145.8	31.8	31.2	31.4	141.0	141.1	142.2
Cleveland	207.8	210.9	211.7	42.1	41.6	42.0	194.9	192.0	194.3
Columbus	83.5	87.2	88.1	22.9	23.2	23.3	121.7	125.4	126.3
Dayton	86.0	91.2	91.4	12.9	12.9	13.0	72.4	72.8	73.4
Toledo	68.8	75.7	75.3	17.8	17.7	17.7	64.9	64.3	65.0
Youngstown-Warren	53.3	55.8	55.5	7.6	7.4	7.5	42.1	41.6	41.9
Oklahoma	165.7	174.2	176.2	67.4	66.4	66.9	284.5	290.7	292.1
Enid	2.4	2.1	2.0	2.7	2.6	2.7	7.6	7.5	7.6
Lawton	3.3	3.5	3.5	1.5	1.4	1.5	8.4	8.3	8.3
Oklahoma City	48.9	52.9	53.8	23.2	23.3	23.5	106.8	111.1	111.5
Tulsa	53.1	55.2	55.5	22.2	22.6	22.7	71.2	72.0	72.4
Oregon	192.8	195.6	199.0	55.9	55.6	56.0	246.3	248.3	252.1
Eugene-Springfield	17.5	18.6	18.9	4.2	4.2	4.2	23.5	23.8	24.2
Medford	7.7	8.4	8.7	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	96.2	99.7	101.1	35.1	34.8	35.1	139.0	139.9	141.2
Salem	12.6	11.0	11.3	2.7	2.6	2.6	18.8	18.9	19.2
Pennsylvania	1,098.7	1,124.1	1,131.8	241.7	250.4	250.1	999.0	1,012.3	1,030.2
Allentown-Bethlehem-Easton	88.8	89.8	90.6	13.5	13.7	13.9	51.4	52.3	52.7
Altoona	10.9	11.0	11.4	5.1	5.1	5.1	10.9	10.9	10.9
Delaware Valley	319.6	322.0	324.7	78.6	82.0	81.1	340.8	350.0	351.6
Erie	34.4	36.3	35.4	4.4	4.3	4.3	22.0	22.0	22.2
Harrisburg	40.3	42.0	42.8	15.8	16.6	16.4	47.3	48.0	48.2
Johnstown	12.4	12.9	13.2	4.6	4.8	4.7	15.3	15.5	15.7
Lancaster	55.5	57.1	57.9	6.4	6.2	6.2	36.7	37.1	37.0
Northeast Pennsylvania	61.5	64.1	64.1	12.9	12.5	12.7	51.6	52.5	52.9
Philadelphia SMSA	390.0	393.8	396.2	94.7	98.3	97.6	437.7	447.6	450.1
Philadelphia City	109.9	109.9	111.0	47.8	50.2	49.6	142.6	144.8	145.4
Pittsburgh	167.6	163.4	164.2	51.1	53.0	53.8	207.0	206.5	208.8
Reading	49.0	51.8	52.2	5.8	5.7	5.7	28.5	29.9	30.6
Sharon	10.5	11.0	11.2	2.2	2.2	2.2	9.4	9.4	9.4
State College	7.3	8.0	8.0	1.2	1.3	1.3	8.5	8.7	8.5
Williamsport	13.9	15.2	15.2	2.0	2.0	2.0	9.5	9.7	9.7
York	56.0	58.1	58.6	6.9	6.8	6.8	34.4	36.4	36.5

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		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
New York	691.4	703.6	709.0	1,877.6	1,942.1	1,947.4	1,309.3	1,318.1	1,325.6
Albany-Schenectady-Troy	17.1	17.0	17.3	79.5	81.0	81.7	97.6	99.8	98.5
Binghamton	3.8	3.9	4.0	20.6	21.4	21.2	21.9	22.0	22.0
Buffalo	22.8	23.1	23.5	105.3	108.5	108.4	84.0	83.5	83.8
Elmira	1.1	1.1	1.2	7.3	7.4	7.4	6.3	6.3	6.4
Glens Falls	2.0	1.9	1.9	9.2	8.3	9.5	8.4	8.4	8.5
Monroe County	15.6	15.2	15.8	74.0	78.1	75.9	39.6	39.5	39.9
Nassau-Suffolk	58.2	58.7	59.3	243.7	252.5	256.3	177.3	175.6	176.7
Newburgh-Middletown	3.2	3.2	3.3	17.5	17.5	17.7	21.1	20.6	20.6
New York-Northeastern New Jersey	702.2	713.0	717.4	1,764.0	1,812.5	1,826.3	1,074.2	1,084.3	1,094.3
New York and Nassau-Suffolk	580.2	590.5	594.0	1,336.8	1,377.1	1,386.0	772.6	780.4	789.2
New York SMSA	521.9	531.8	534.8	1,093.4	1,124.9	1,129.9	595.3	604.8	612.4
New York City	495.9	506.0	508.4	969.8	999.3	1,001.7	517.2	528.5	534.8
Poughkeepsie	3.1	3.3	3.3	21.0	22.3	21.6	23.4	23.9	23.8
Rochester	17.4	17.0	17.6	87.2	91.5	89.4	60.8	61.2	61.8
Rockland County	3.5	3.5	3.5	21.4	21.8	21.9	20.9	20.6	20.9
Syracuse	17.5	17.7	17.8	55.1	57.7	56.0	48.4	47.4	47.8
Utica-Rome	6.0	6.2	6.2	21.8	22.0	21.7	28.6	27.8	28.1
Westchester County	22.1	21.8	22.3	98.9	100.5	103.1	53.8	52.6	53.4
North Carolina	101.7	103.6	104.7	368.8	372.3	375.5	415.2	424.6	425.3
Asheville	2.3	2.4	2.4	16.2	14.1	15.7	11.9	11.4	11.4
Charlotte-Gastonia	23.8	23.7	23.8	60.4	62.5	62.5	37.6	39.0	38.9
Greensboro-Winston-Salem-High Point	19.0	19.2	19.3	63.0	63.3	63.9	48.5	48.3	47.9
Raleigh-Durham	16.3	17.2	17.3	62.6	63.9	64.1	76.1	78.4	77.3
North Dakota	12.1	12.1	12.2	55.9	56.8	57.0	61.0	63.9	61.5
Fargo-Moorhead	3.9	4.0	4.0	15.3	16.6	15.7	12.4	13.5	12.4
Ohio	211.3	212.6	214.9	888.2	902.3	912.6	654.5	672.7	657.3
Akron	9.4	9.5	9.6	53.9	55.8	56.9	36.5	43.2	37.0
Canton	6.4	6.7	6.8	31.3	31.8	32.1	17.8	18.6	18.1
Cincinnati	33.0	33.2	33.5	132.6	136.4	138.4	79.0	82.1	81.6
Cleveland	49.3	47.8	48.4	197.2	200.2	201.5	119.7	112.6	113.9
Columbus	43.3	45.0	45.6	114.3	116.8	118.6	101.4	102.7	102.6
Dayton	13.8	14.0	14.1	76.0	76.9	78.1	66.3	67.5	66.5
Toledo	10.8	11.0	11.0	64.3	66.3	66.5	43.5	49.1	45.2
Youngstown-Warren	7.2	7.3	7.3	39.5	40.4	40.6	23.7	25.0	23.7
Oklahoma	62.7	62.7	63.5	219.3	222.0	224.7	246.2	247.1	239.6
Enid	1.3	1.3	1.3	5.5	5.4	5.5	3.5	3.9	3.6
Lawton	1.4	1.3	1.3	5.6	5.7	5.7	11.4	11.5	11.4
Oklahoma City	27.6	27.4	27.7	82.2	84.4	86.3	93.5	94.6	92.9
Tulsa	16.6	16.8	17.1	67.0	67.5	67.2	34.4	35.1	34.0
Oregon	65.5	66.3	66.5	197.2	199.7	201.4	201.8	200.6	201.1
Eugene-Springfield	4.5	4.5	4.6	19.2	18.9	19.2	21.4	21.7	21.8
Medford	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Portland	43.8	44.1	43.9	114.2	114.2	115.5	83.9	82.1	82.0
Salem	5.3	5.2	5.3	14.9	15.3	15.2	26.7	27.2	27.1
Pennsylvania	245.2	250.7	254.7	1,086.2	1,100.8	1,108.9	676.9	684.5	670.1
Allentown-Bethlehem-Easton	10.0	10.1	10.2	50.6	53.0	53.7	28.9	28.0	28.1
Altoona	1.5	1.5	1.5	9.2	9.3	9.3	7.5	6.8	6.9
Delaware Valley	111.4	114.8	116.9	436.4	449.6	447.3	225.3	222.6	224.3
Erie	4.6	4.7	4.8	23.7	23.8	24.2	12.2	12.5	11.9
Harrisburg	12.9	13.7	13.8	45.9	45.5	46.6	55.9	56.6	55.9
Johnstown	3.9	4.0	4.1	16.7	17.2	17.1	13.4	12.7	12.6
Lancaster	5.8	5.8	5.7	28.5	29.0	29.2	14.4	15.5	14.1
Northeast Pennsylvania	10.0	10.0	10.1	51.8	52.1	53.3	37.2	36.6	36.3
Philadelphia SMSA	129.8	133.4	135.6	514.6	525.7	524.4	296.0	293.0	295.6
Philadelphia City	64.7	64.5	65.1	227.0	233.2	227.8	137.8	137.2	139.7
Pittsburgh	49.1	49.0	49.8	234.6	235.4	235.8	111.1	108.0	107.5
Reading	6.2	6.5	6.6	26.0	26.2	26.4	15.6	16.8	15.5
Sharon	1.4	1.3	1.4	10.2	9.9	10.1	5.3	5.2	5.0
State College	1.5	1.4	1.5	6.9	7.2	7.4	16.4	20.7	16.5
Williamsport	2.1	2.2	2.2	8.8	8.9	9.0	6.2	6.2	6.2
York	4.3	4.2	4.4	24.0	24.0	24.3	17.7	17.7	17.2

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		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
Rhode Island	399.8	404.5	407.0	0.1	0.1	0.1	12.1	12.9	13.4
Providence-Warwick-Pawtucket	402.2	405.5	407.6	.2	.3	.3	12.0	12.6	13.0
South Carolina	1,193.7	1,234.6	1,239.9	1.7	1.7	1.8	72.0	73.6	74.9
Charleston-North Charleston	156.3	160.6	161.2	(^b)	(^b)	(^b)	10.0	10.3	10.6
Columbia	187.1	195.6	190.7	(^b)	(^b)	(^b)	11.7	12.9	12.8
Greenville-Spartanburg	264.5	265.5	266.7	(^b)	(^b)	(^b)	16.4	16.0	16.3
South Dakota	240.1	243.2	250.3	2.8	2.7	2.6	9.4	8.3	9.6
Sioux Falls	57.2	60.7	61.2	(^b)	(^b)	(^b)	2.3	2.4	2.8
Tennessee	1,723.1	1,811.9	1,827.3	8.0	7.8	7.9	70.6	77.1	83.7
Chattanooga	164.4	166.1	167.5	1.2	1.2	1.2	5.7	6.1	6.8
Johnson City-Kingsport-Bristol	142.3	149.7	149.9	.3	.2	.2	6.5	8.6	9.1
Knoxville	200.6	204.4	204.9	1.3	1.3	1.3	7.7	9.0	9.8
Memphis	355.6	359.8	359.9	.1	.1	.1	13.8	13.9	14.4
Nashville-Davidson	380.3	394.4	396.6	(^b)	(^b)	(^b)	19.2	22.6	22.7
Texas	6,176.8	6,337.6	6,347.9	259.7	267.2	271.8	429.4	408.9	411.9
Abilene	57.5	57.7	57.0	4.2	4.1	4.1	3.1	3.0	3.0
Amarillo	76.7	79.5	79.9	(^b)	(^b)	(^b)	3.9	3.9	4.2
Austin	276.2	299.5	292.5	(^b)	(^b)	(^b)	17.3	19.5	20.2
Beaumont-Port Arthur-Orange	141.1	141.7	142.3	(^b)	(^b)	(^b)	10.5	9.0	9.3
Brownsville-Harlingen-San Benito	60.9	63.0	62.8	(^b)	(^b)	(^b)	3.4	3.4	3.3
Bryan-College Station	42.6	46.1	44.2	1.1	1.1	1.1	3.0	3.0	3.2
Corpus Christi	128.1	129.7	129.8	7.3	7.4	7.4	10.7	10.2	10.3
Dallas-Fort Worth	1,585.8	1,650.2	1,655.6	28.9	28.1	28.3	97.3	100.9	103.6
El Paso	164.6	168.1	169.0	(^b)	(^b)	(^b)	8.7	9.4	9.5
Galveston-Texas City	68.9	68.9	69.6	(^b)	(^b)	(^b)	4.0	4.4	4.5
Houston	1,500.1	1,523.9	1,525.8	98.6	100.6	101.3	136.5	130.1	129.4
Killeen-Temple	59.9	63.0	63.9	(^b)	(^b)	(^b)	3.4	4.0	4.0
Laredo	29.8	30.6	30.4	(^b)	(^b)	(^b)	1.5	1.2	1.2
Longview-Marshall	67.5	67.2	67.5	(^b)	(^b)	(^b)	5.1	4.8	4.8
Lubbock	88.9	91.5	90.4	(^b)	(^b)	(^b)	4.3	4.3	4.2
McAllen-Pharr-Edinburg	78.4	77.9	77.4	1.5	1.3	1.4	5.1	5.0	5.0
Midland	50.2	56.7	57.2	12.2	12.7	13.1	3.7	3.4	3.6
Odessa	54.4	57.9	58.9	8.5	8.6	8.9	4.1	4.2	4.5
San Angelo	36.9	37.4	37.7	.9	.7	.8	2.5	2.3	2.4
San Antonio	435.9	456.0	457.6	3.4	3.5	3.5	31.4	32.2	33.1
Sherman-Denison	34.2	34.6	34.7	.2	.2	.2	1.3	1.2	1.2
Texarkana	46.1	47.1	47.5	.1	.1	.1	2.0	2.0	2.3
Tyler	56.8	58.5	58.3	3.1	2.9	2.8	2.6	2.5	2.5
Waco	73.6	76.8	76.5	(^b)	(^b)	(^b)	3.9	4.1	4.4
Wichita Falls	52.4	53.8	54.4	3.2	3.2	3.2	2.0	2.1	2.2
Utah	564.3	592.6	598.5	13.5	13.6	13.8	29.9	32.8	35.5
Salt Lake City-Ogden	402.0	423.1	427.4	5.7	5.9	5.9	19.7	22.3	24.3
Vermont	205.1	206.5	207.6	.7	.7	.7	11.8	11.7	13.0
Burlington	61.4	63.8	63.2	(^b)	(^b)	(^b)	3.6	3.8	4.0
Springfield	13.2	13.0	13.4	(^b)	(^b)	(^b)	1.2	1.3	1.4
Virginia	2,232.1	2,286.1	2,315.5	17.4	19.0	19.4	117.6	126.3	132.5
Bristol	26.2	27.4	27.7	.1	.1	.1	1.0	1.2	1.3
Charlottesville	59.3	58.8	58.9	.1	.1	.1	2.9	3.0	3.0
Danville	39.8	40.2	40.3	.1	.1	.1	1.5	1.5	1.6
Lynchburg	69.5	72.4	72.2	.1	.1	.1	2.6	2.8	2.9
Newport News-Hampton	162.3	167.0	170.3	.1	.1	.1	7.1	8.3	8.6
Norfolk-Virginia Beach-Portsmouth	306.5	317.9	322.8	.1	.1	.1	19.5	22.0	22.7
Northern Virginia	512.0	531.5	540.4	.6	.5	.5	29.1	31.9	33.9
Petersburg-Colonial Heights-Hopewell	42.2	41.1	41.5	.1	.1	.1	1.9	1.8	1.8
Richmond	336.8	341.2	344.2	.3	.4	.4	16.6	17.1	17.3
Roanoke	103.9	105.5	106.6	.1	.1	.1	5.4	5.8	5.9
Washington	1,611.9	1,635.0	1,653.5	2.7	2.8	2.8	75.5	72.8	75.7
Seattle-Everett	776.4	795.9	802.2	.4	.4	.4	35.0	35.9	37.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
Rhode Island	117.2	119.1	121.0	13.8	13.5	13.8	84.6	84.4	85.2
Providence-Warwick-Pawtucket	127.0	127.4	129.6	13.9	13.8	13.9	84.5	83.9	84.9
South Carolina	363.0	373.0	374.5	54.8	56.3	56.9	241.7	248.5	251.7
Charleston-North Charleston	19.0	19.7	19.9	8.6	8.9	8.9	36.1	38.0	38.4
Columbia	25.5	26.7	26.9	9.5	8.6	8.7	39.3	41.2	41.3
Greenville-Spartanburg	98.0	99.4	99.9	9.7	9.6	9.5	54.6	54.9	55.3
South Dakota	26.1	28.2	28.9	12.3	12.3	12.2	62.7	64.7	66.1
Sioux Falls	8.2	8.6	8.6	4.5	4.5	4.6	15.7	17.4	17.2
Tennessee	469.6	495.3	498.4	83.9	90.0	90.2	389.1	406.7	410.6
Chattanooga	43.4	43.9	44.2	7.4	7.3	7.3	36.1	37.7	38.0
Johnson City-Kingsport-Bristol	51.0	53.0	53.5	5.7	5.3	5.0	28.3	28.0	28.6
Knoxville	48.2	50.6	51.0	7.5	6.7	6.8	46.1	46.9	47.0
Memphis	50.3	51.8	50.9	27.0	28.9	30.0	97.8	98.9	99.5
Nashville-Davidson	80.6	86.9	87.8	20.4	19.5	19.5	89.3	88.7	89.2
Texas	960.7	986.6	992.3	371.5	381.9	383.4	1,552.7	1,589.7	1,594.0
Abilene	7.0	5.9	5.9	3.2	3.1	3.1	14.9	15.1	15.0
Amarillo	9.6	9.6	9.8	6.5	6.8	6.8	23.1	24.1	24.1
Austin	33.5	34.8	35.3	8.0	8.1	8.2	63.3	67.7	67.4
Beaumont-Port Arthur-Orange	32.4	32.0	32.0	11.9	11.5	12.0	32.8	33.7	34.1
Brownsville-Harlingen-San Benito	11.1	10.8	10.9	3.2	3.0	3.1	17.1	17.2	17.2
Bryan-College Station	3.1	3.1	3.1	1.7	1.8	1.8	9.9	9.9	10.0
Corpus Christi	14.0	14.6	14.7	7.4	7.5	7.4	32.1	32.5	32.8
Dallas-Fort Worth	309.4	318.7	320.2	97.9	99.7	100.8	426.2	439.8	442.7
El Paso	35.9	37.2	37.7	9.9	9.7	9.7	40.1	40.8	40.9
Galveston-Texas City	10.9	9.7	9.9	6.1	6.0	6.1	13.0	12.5	12.7
Houston	201.5	198.0	198.0	104.3	105.0	105.4	364.1	369.3	371.6
Killeen-Temple	8.3	8.8	9.0	3.0	3.0	3.2	14.1	15.1	15.2
Laredo	1.7	1.9	1.9	3.2	3.2	3.2	9.0	9.1	9.1
Longview-Marshall	15.0	14.5	14.8	3.7	3.6	3.7	17.0	17.4	17.1
Lubbock	11.6	9.3	9.6	4.5	4.6	4.6	25.6	26.9	27.1
McAllen-Pharr-Edinburg	10.3	10.1	10.5	2.6	2.7	2.6	24.9	24.1	24.0
Midland	3.5	3.9	3.8	2.7	3.0	3.0	11.8	13.9	14.0
Odessa	6.1	5.8	5.8	3.0	3.0	3.0	15.3	17.7	17.8
San Angelo	5.6	5.6	5.6	3.8	3.7	3.7	8.8	9.2	9.3
San Antonio	49.7	51.4	51.8	18.3	18.6	18.9	110.6	117.6	118.7
Sherman-Denison	11.1	11.6	11.7	2.2	2.1	2.1	7.1	7.0	7.0
Texarkana	8.7	8.9	9.1	2.0	2.0	2.0	10.7	10.9	10.9
Tyler	11.6	12.3	12.2	2.8	2.9	3.0	14.4	14.6	14.6
Waco	15.7	16.2	16.2	3.3	3.2	3.4	18.5	19.6	19.6
Wichita Falls	8.5	9.6	9.8	2.8	2.8	2.9	13.2	13.5	13.5
Utah	85.1	93.3	94.7	36.1	36.2	36.9	132.6	139.1	141.1
Salt Lake City-Ogden	58.2	63.5	64.6	28.4	28.2	28.7	98.3	104.1	105.2
Vermont	48.2	48.2	48.8	8.9	8.9	9.1	43.5	43.7	44.2
Burlington	15.7	15.9	16.1	2.6	2.6	2.6	13.0	13.4	13.1
Springfield	4.1	4.0	4.0	.6	.6	.6	2.4	2.3	2.4
Virginia	401.5	411.4	413.2	120.5	124.3	125.4	478.6	502.2	505.2
Bristol	8.5	9.3	9.5	1.1	1.1	1.0	6.4	6.3	6.5
Charlottesville	10.3	10.2	10.4	1.9	1.8	1.8	9.9	9.9	9.9
Danville	18.6	18.8	18.6	1.0	1.0	1.0	7.3	7.3	7.4
Lynchburg	26.5	27.4	27.7	3.0	3.0	3.1	12.2	12.6	12.6
Newport News-Hampton	39.2	39.5	39.9	4.8	4.8	4.8	32.2	34.9	35.0
Norfolk-Virginia Beach-Portsmouth	26.5	27.8	28.2	20.1	20.1	20.2	76.0	79.0	81.0
Northern Virginia	24.5	27.6	27.9	35.3	36.5	37.3	115.9	122.6	123.5
Petersburg-Colonial Heights-Hopewell	7.8	7.1	7.1	1.2	1.2	1.2	8.2	8.3	8.2
Richmond	54.8	55.5	55.7	19.8	20.3	20.3	80.7	82.6	83.0
Roanoke	19.6	19.9	20.1	8.4	8.2	8.3	25.8	27.7	27.9
Washington	281.2	285.5	287.5	89.5	91.3	92.7	399.3	408.0	413.5
Seattle-Everett	148.5	151.1	152.1	52.8	54.7	54.9	194.3	198.1	201.0

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		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Rhode Island	21.6	21.7	21.7	93.4	95.4	95.0	57.0	57.4	56.8
Providence-Warwick-Pawtucket	21.0	21.2	21.1	89.7	91.8	91.0	53.9	54.5	53.8
South Carolina	51.8	53.1	53.8	179.8	189.2	192.7	228.9	239.2	233.6
Charleston-North Charleston	7.5	7.8	7.9	28.0	28.3	28.4	47.0	47.5	47.0
Columbia	14.7	15.5	15.5	31.6	32.4	32.1	54.5	58.0	53.1
Greenville-Spartanburg	10.7	10.6	10.8	39.2	38.9	39.4	35.7	35.9	35.2
South Dakota	12.5	12.9	13.1	55.1	55.2	56.6	59.2	59.0	61.2
Sioux Falls	4.6	5.0	5.1	15.0	15.8	15.6	6.8	6.9	7.2
Tennessee	82.0	82.7	84.4	327.4	346.3	348.0	292.4	306.0	304.1
Chattanooga	9.8	9.9	10.1	30.5	29.8	29.7	30.3	30.2	30.2
Johnson City-Kingsport-Bristol	4.5	4.7	4.8	22.4	24.9	24.9	23.6	25.0	23.8
Knoxville	8.5	8.3	8.2	37.2	36.9	37.0	44.1	44.7	43.8
Memphis	20.7	21.3	21.5	81.5	82.5	82.8	64.4	62.4	60.7
Nashville-Davidson	27.0	28.3	28.7	84.3	86.6	88.2	59.5	61.8	60.5
Texas	395.1	403.3	405.5	1,183.5	1,222.2	1,225.6	1,024.2	1,077.8	1,063.4
Abilene	3.2	3.2	3.2	12.7	13.5	13.1	9.2	9.8	9.6
Amarillo	4.2	4.4	4.5	16.5	16.6	16.9	12.9	14.1	13.6
Austin	18.2	18.8	19.1	57.9	61.1	61.8	78.0	89.5	80.5
Beaumont-Port Arthur-Orange	5.7	5.7	5.7	28.6	29.7	30.2	19.2	20.1	19.0
Brownsville-Harlingen-San Benito	3.1	3.1	3.1	10.9	11.4	11.5	12.1	14.1	13.7
Bryan-College Station	1.8	1.9	1.9	6.5	6.7	6.6	15.5	18.6	16.5
Corpus Christi	6.5	6.6	6.6	23.7	24.0	24.2	26.4	26.9	26.4
Dallas-Fort Worth	128.1	136.3	137.8	317.6	335.1	337.2	180.4	191.6	185.0
El Paso	7.8	8.0	8.0	28.1	28.2	28.3	34.1	34.8	34.9
Galveston-Texas City	4.5	4.5	4.6	11.5	11.5	11.8	18.9	20.3	20.0
Houston	106.0	107.6	109.1	312.0	328.2	329.8	177.1	185.1	181.2
Killeen-Temple	2.4	2.4	2.5	10.8	11.2	11.5	17.9	18.5	18.5
Laredo	1.4	1.4	1.4	6.0	6.3	6.3	7.0	7.5	7.3
Longview-Marshall	2.9	2.8	2.8	16.0	15.8	16.0	7.8	8.3	8.3
Lubbock	5.2	5.4	5.3	18.9	19.9	19.6	18.8	21.1	20.0
McAllen-Pharr-Edinburg	3.2	3.3	3.3	10.9	11.4	11.4	19.9	20.0	19.2
Midland	3.5	4.0	4.0	8.1	9.8	10.0	4.7	6.0	5.7
Odessa	2.4	2.4	2.4	8.0	8.9	9.2	7.0	7.3	7.3
San Angelo	1.5	1.7	1.7	7.5	7.4	7.6	6.3	6.8	6.6
San Antonio	31.6	32.8	33.2	93.7	99.5	99.4	97.2	100.4	99.0
Sherman-Denison	1.2	1.3	1.3	6.3	6.3	6.3	4.8	4.9	4.9
Texarkana	1.7	1.7	1.7	8.2	8.6	8.8	12.7	12.9	12.6
Tyler	3.2	3.2	3.2	11.5	11.9	11.9	7.6	8.2	8.1
Waco	4.7	4.6	4.7	16.2	17.4	16.8	11.3	11.7	11.4
Wichita Falls	2.5	2.5	2.5	9.3	9.3	9.6	10.9	10.8	10.7
Utah	28.1	29.6	29.9	110.9	114.3	116.8	128.2	133.7	129.9
Salt Lake City-Ogden	23.1	24.4	24.6	77.0	80.1	81.5	91.6	94.5	92.6
Vermont	9.1	9.1	9.2	47.3	47.8	47.3	35.6	36.4	35.3
Burlington	2.6	2.6	2.7	14.0	15.3	14.7	9.9	10.2	10.0
Springfield3	.4	.4	2.8	2.7	2.9	1.8	1.7	1.7
Virginia	111.5	114.7	117.2	468.7	473.3	482.6	516.3	514.8	520.1
Bristol9	.9	.9	3.3	3.5	3.6	4.9	5.0	4.8
Charlottesville	2.9	2.8	2.8	9.4	9.3	9.2	21.8	21.7	21.6
Danville	1.1	1.2	1.2	5.1	5.1	5.2	5.1	5.2	5.2
Lynchburg	3.2	3.3	3.3	12.5	12.8	12.8	9.4	10.3	9.8
Newport News-Hampton	5.0	5.0	5.4	34.3	35.0	36.4	39.7	39.4	40.2
Norfolk-Virginia Beach-Portsmouth	15.8	16.3	16.7	67.4	70.2	71.7	81.1	82.5	82.3
Northern Virginia	31.3	31.8	32.7	149.6	155.5	157.9	125.7	125.1	126.7
Petersburg-Colonial Heights-Hopewell	1.2	1.2	1.2	7.0	7.0	7.0	14.9	14.5	14.8
Richmond	27.7	27.5	28.2	65.3	65.0	66.2	71.6	72.9	73.1
Roanoke	6.2	6.4	6.5	23.0	22.6	22.9	15.4	14.7	15.1
Washington	93.1	93.7	94.0	331.4	339.7	343.7	339.2	341.2	343.6
Seattle-Everett	58.0	58.3	58.7	163.6	171.4	172.4	123.8	126.0	125.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
West Virginia	581.9	593.8	594.4	48.7	51.7	51.6	22.7	21.5	23.0
Charleston	103.9	105.7	105.6	4.3	3.8	3.8	3.9	4.6	4.8
Huntington-Ashland	92.7	92.6	92.7	.9	.7	.7	4.5	4.0	4.2
Parkersburg-Marietta	56.5	56.7	57.0	1.2	1.2	1.2	2.6	2.3	2.4
Wheeling	59.0	58.3	58.1	3.2	3.2	3.2	2.2	1.9	1.9
Wisconsin	1,866.8	1,902.9	1,929.7	2.7	2.6	2.9	57.0	56.1	60.0
Appleton-Oshkosh	126.8	128.5	130.2	(¹)	(¹)	(¹)	5.0	4.9	5.5
Eau Claire	47.9	49.9	49.8	(¹)	(¹)	(¹)	1.4	1.3	1.3
Green Bay	78.8	80.8	82.3	(¹)	(¹)	(¹)	2.7	2.9	3.1
Janesville-Beloit	50.9	51.8	52.0	(¹)	(¹)	(¹)	1.1	1.2	1.3
Kenosha	42.0	42.8	42.9	(¹)	(¹)	(¹)	1.2	.9	1.0
La Crosse	45.2	47.2	46.7	(¹)	(¹)	(¹)	1.4	1.2	1.3
Madison	171.5	177.7	177.3	(¹)	(¹)	(¹)	5.4	6.4	6.3
Milwaukee	621.8	630.3	636.7	(¹)	(¹)	(¹)	15.1	15.1	15.3
Racine	63.2	64.1	65.0	(¹)	(¹)	(¹)	1.1	1.2	1.2
Sheboygan	41.4	42.9	43.7	(¹)	(¹)	(¹)	1.6	2.1	2.2
Wausau	41.7	42.2	42.4	(¹)	(¹)	(¹)	1.3	1.1	1.2
Wyoming	208.5	204.0	209.2	28.0	25.9	26.7	18.8	19.5	21.4
Puerto Rico	637.2	665.8	658.1	.6	.7	.7	22.0	26.9	27.2
Caguas	26.5	25.6	25.3	(²)	(²)	(²)	(²)	(²)	(²)
Mayaguez	36.3	37.1	36.0	(²)	(²)	(²)	(²)	(²)	(²)
Ponce	43.6	44.2	43.7	(²)	(²)	(²)	2.1	1.7	1.7
San Juan	327.1	341.8	336.7	(²)	(²)	(²)	14.7	19.1	19.4
Virgin Islands	36.0	34.7	34.5	(²)	(²)	(²)	2.5	2.3	2.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
West Virginia	89.3	92.4	93.0	39.7	39.2	39.5	126.9	127.1	127.3
Charleston	14.6	13.8	13.7	9.0	9.0	9.1	25.3	26.8	26.8
Huntington-Ashland	19.2	19.7	19.9	8.1	8.2	8.2	23.3	22.9	23.1
Parkersburg-Marietta	14.5	14.8	15.1	2.1	2.1	2.1	13.7	13.5	13.6
Wheeling	8.6	8.5	8.5	3.6	3.5	3.5	14.8	14.8	14.8
Wisconsin	486.9	499.4	507.0	85.7	86.8	86.7	430.5	441.0	448.4
Appleton-Oshkosh	45.6	46.8	47.7	4.6	4.8	4.7	26.4	26.8	27.1
Eau Claire	9.3	9.0	9.3	2.6	2.6	2.7	13.0	14.1	14.2
Green Bay	21.0	20.9	21.7	5.9	6.0	6.1	21.1	22.3	22.7
Janesville-Beloit	18.4	18.7	18.9	2.1	2.2	2.2	12.0	12.4	12.5
Kenosha	16.9	17.4	17.9	1.4	1.1	1.1	8.0	7.9	8.0
La Crosse	10.2	10.2	10.5	2.1	2.2	2.2	12.2	12.6	12.3
Madison	19.0	19.1	19.4	5.9	6.0	5.9	37.9	39.2	39.3
Milwaukee	163.3	168.9	169.1	31.9	32.3	32.1	139.6	140.7	142.5
Racine	23.7	24.6	24.9	2.3	2.2	2.1	13.7	13.8	13.9
Sheboygan	17.1	17.9	18.4	1.3	1.3	1.4	7.9	7.6	7.7
Wausau	11.3	11.5	12.0	2.1	2.1	2.1	10.2	10.1	10.1
Wyoming	8.1	7.9	8.1	16.4	16.5	16.4	45.3	44.3	45.8
Puerto Rico	142.1	150.0	149.2	15.1	15.9	14.5	104.5	106.8	104.5
Caguas	8.5	8.2	8.1	(¹)	(¹)	(¹)	5.5	5.4	5.1
Mayaguez	12.7	14.0	13.0	(¹)	(¹)	(¹)	5.0	5.6	5.5
Ponce	8.7	9.8	9.3	(¹)	(¹)	(¹)	7.1	7.2	7.1
San Juan	31.1	32.2	32.5	11.9	12.1	11.1	66.7	68.2	66.0
Virgin Islands	2.5	2.2	2.3	2.2	2.3	2.2	7.5	7.0	7.0

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		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
West Virginia	22.5	21.9	22.0	106.5	106.4	104.5	125.6	133.6	133.7
Charleston	5.2	5.3	5.3	21.6	21.3	21.3	20.1	21.3	20.9
Huntington-Ashland	3.7	3.5	3.5	15.4	15.3	15.3	17.6	18.4	17.9
Parkersburg-Marietta	2.0	2.1	2.1	10.9	11.0	10.9	9.5	9.7	9.7
Wheeling	2.8	2.6	2.6	14.5	14.4	14.1	9.3	9.6	9.5
Wisconsin	98.1	98.4	99.4	389.7	394.8	402.4	316.0	323.9	323.0
Appleton-Oshkosh	6.0	6.3	6.5	22.9	22.8	22.9	16.4	16.1	15.8
Eau Claire	1.7	1.8	1.8	10.4	10.4	10.6	9.4	10.7	10.0
Green Bay	2.6	2.6	2.6	15.8	16.1	16.1	9.8	10.0	9.9
Janesville-Beloit	1.4	1.4	1.4	9.6	9.5	9.7	6.4	6.4	6.0
Kenosha	1.0	1.0	1.0	7.8	7.9	7.6	5.9	6.6	6.2
La Crosse	1.4	1.4	1.4	11.7	12.2	12.5	6.3	7.3	6.6
Madison	13.5	13.1	13.3	34.7	36.0	36.4	55.1	57.9	56.7
Milwaukee	42.2	42.0	42.3	148.7	151.7	153.9	81.0	79.6	81.4
Racine	2.1	2.2	2.2	12.1	12.1	12.3	8.3	8.1	8.3
Sheboygan	1.7	1.8	1.8	6.7	6.8	6.8	5.1	5.3	5.4
Wausau	3.9	3.9	3.9	6.9	7.0	7.0	5.9	6.5	6.3
Wyoming	7.7	7.6	7.7	35.7	31.0	32.1	48.5	51.3	51.0
Puerto Rico	28.5	28.5	28.7	83.7	88.5	84.9	240.7	248.6	248.4
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	9.1	8.6	8.6
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	13.2	12.5	12.5
Ponce	(¹)	(¹)	(¹)	7.0	6.8	6.8	15.8	15.8	15.8
San Juan	22.0	21.7	21.7	56.9	60.4	57.9	123.6	127.8	127.9
Virgin Islands	1.4	1.4	1.4	5.9	5.9	5.8	14.0	13.6	13.6

¹ Combined with services.

² Not available.

³ Combined with construction.

⁴ Less than 50 employees.

^p = preliminary.

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

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1963	38.8	\$2.28	\$88.46	41.6	\$2.75	\$114.40	37.3	\$3.41	\$127.19
1964	38.7	2.36	91.33	41.9	2.81	117.74	37.2	3.55	132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.27	478.98	37.2	11.92	443.42
Monthly data, not seasonally adjusted									
1983:									
July	35.3	\$8.01	\$282.75	42.1	\$11.27	\$474.47	38.2	\$11.80	\$450.76
August	35.3	7.95	280.64	42.6	11.25	479.25	38.0	11.86	450.68
September	35.3	8.12	286.64	43.1	11.33	488.32	37.9	12.04	456.32
October	35.3	8.16	288.05	43.2	11.33	489.46	37.3	12.06	449.84
November	35.1	8.16	286.42	42.9	11.40	489.06	36.3	11.91	432.33
December	35.5	8.16	289.68	43.4	11.41	495.19	36.8	12.02	442.34
1984:									
January	35.0	8.26	289.10	43.3	11.54	499.68	36.3	12.08	438.50
February	35.0	8.24	288.40	42.9	11.49	492.92	37.0	11.99	443.63
March	35.0	8.24	288.40	42.8	11.60	496.48	36.7	11.97	439.30
April	35.3	8.29	292.64	43.0	11.62	499.66	37.5	11.95	448.13
May	35.2	8.28	291.46	43.2	11.56	499.39	38.2	11.99	458.02
June ^p	35.5	8.30	294.65	43.5	11.58	503.73	38.7	11.94	462.08
July ^p	35.7	8.34	297.74	43.2	11.62	501.98	38.7	11.97	463.24

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages										
1963	40.5	\$2.45	\$2.37	\$99.23	(²)	(²)	(²)	40.6	\$2.45	\$99.47
1964	40.7	2.53	2.43	102.97	41.1	\$2.89	\$118.78	40.7	2.52	102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.51	354.08	39.0	10.80	421.20	38.5	8.54	328.79
Monthly data, not seasonally adjusted										
1983:										
July	40.0	\$8.84	\$8.53	\$353.60	39.2	\$10.84	\$424.93	38.6	\$8.56	\$330.42
August	40.2	8.78	8.44	352.96	39.5	10.69	422.26	38.6	8.54	329.64
September	40.8	8.89	8.52	362.71	39.4	10.88	428.67	38.7	8.62	333.59
October	40.7	8.90	8.54	362.23	39.5	10.94	432.13	38.7	8.69	336.30
November	40.8	8.97	8.61	365.98	39.3	11.01	432.69	38.7	8.68	335.92
December	41.2	9.04	8.67	372.45	39.7	11.00	436.70	38.9	8.74	339.99
1984:										
January	40.6	9.08	8.72	368.65	39.2	11.08	434.34	38.4	8.82	338.69
February	40.7	9.06	8.70	368.74	39.0	11.01	429.39	38.2	8.79	335.78
March	40.7	9.09	8.73	369.96	39.0	11.02	429.78	38.3	8.79	336.66
April	40.9	9.11	8.75	372.60	39.3	11.07	435.05	38.5	8.89	342.27
May	40.6	9.11	8.76	369.87	39.2	11.03	432.38	38.6	8.86	342.00
June ^p	40.8	9.14	8.77	372.91	39.7	11.08	439.88	38.7	8.89	344.04
July ^p	40.4	9.17	8.81	370.47	39.8	11.23	446.95	38.8	8.98	348.42

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1963	37.3	\$1.68	\$62.66	37.5	\$2.25	\$84.38	(²)	(²)	(²)
1964	37.0	1.75	64.75	37.3	2.30	85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.30	238.71
Monthly data, not seasonally adjusted									
1983:									
July	30.6	\$5.73	\$175.34	36.3	\$7.29	\$264.63	33.1	\$7.24	\$239.64
August	30.5	5.73	174.77	36.1	7.24	261.36	33.0	7.24	238.92
September	29.9	5.78	172.82	36.1	7.33	264.61	32.7	7.37	241.00
October	29.9	5.79	173.12	36.4	7.45	271.18	32.7	7.43	242.96
November	29.8	5.82	173.44	36.1	7.39	266.78	32.6	7.44	242.54
December	30.8	5.78	178.02	36.2	7.43	268.97	32.6	7.47	243.52
1984:									
January	29.4	5.89	173.17	36.5	7.55	275.58	32.6	7.57	246.78
February	29.4	5.89	173.17	36.4	7.54	274.46	32.6	7.55	246.13
March	29.6	5.89	174.34	36.3	7.54	273.70	32.6	7.54	245.80
April	29.8	5.90	175.82	36.5	7.62	278.13	32.7	7.60	248.52
May	30.0	5.88	176.40	36.3	7.55	274.07	32.6	7.55	246.13
June ^p	30.4	5.87	178.45	36.3	7.57	274.79	32.9	7.54	248.07
July ^p	30.8	5.87	180.80	36.6	7.63	279.26	33.2	7.59	251.99

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

² Not available.

^p = preliminary.

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

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Total private		35.2	35.3	35.2	35.5	35.7	-	-	-	-	-
Mining		42.5	42.1	43.2	43.5	43.2	-	-	-	-	-
Metal mining	10	39.6	38.1	40.8	40.3	-	-	-	-	-	-
Iron ores	101	38.9	37.9	39.4	39.6	-	-	-	-	-	-
Copper ores	102	40.0	37.9	42.4	41.0	-	-	-	-	-	-
Coal mining	11,12	39.6	-	41.1	41.4	-	-	-	-	-	-
Bituminous coal and lignite mining	12	39.7	-	41.2	41.5	-	-	-	-	-	-
Oil and gas extraction	13	43.5	43.3	43.9	44.3	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids	131,2	42.2	42.6	41.5	42.1	-	-	-	-	-	-
Oil and gas field services	138	44.1	43.7	44.9	45.1	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	44.4	44.6	44.7	45.4	-	-	-	-	-	-
Crushed and broken stone	142	44.7	45.3	45.8	45.9	-	-	-	-	-	-
Construction		37.9	38.2	38.2	38.7	38.7	-	-	-	-	-
General building contractors	15	37.1	37.4	37.4	37.7	-	-	-	-	-	-
Residential building construction	152	36.8	36.8	36.9	37.3	-	-	-	-	-	-
Operative builders	153	40.5	40.8	39.1	38.7	-	-	-	-	-	-
Nonresidential building construction	154	37.2	37.7	37.6	38.0	-	-	-	-	-	-
Heavy construction contractors	16	41.5	41.8	41.6	42.8	-	-	-	-	-	-
Highway and street construction	161	42.9	44.2	42.2	44.4	-	-	-	-	-	-
Heavy construction, except highway	162	40.8	40.6	41.3	41.9	-	-	-	-	-	-
Special trade contractors	17	36.9	37.1	37.3	37.7	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	38.1	38.1	38.2	38.7	-	-	-	-	-	-
Painting, paper hanging, and decorating	172	35.7	35.8	35.8	36.0	-	-	-	-	-	-
Electrical work	173	37.5	38.1	39.0	38.8	-	-	-	-	-	-
Masonry, stonework, and plastering	174	35.0	35.3	35.3	35.9	-	-	-	-	-	-
Carpentering and flooring	175	35.4	35.1	35.3	35.5	-	-	-	-	-	-
Roofing and sheet metal work	176	35.0	35.7	35.4	35.4	-	-	-	-	-	-
Manufacturing		40.3	40.0	40.6	40.8	40.4	3.0	3.0	3.3	3.4	3.4
Durable goods		40.8	40.4	41.4	41.5	41.0	2.9	2.9	3.5	3.6	3.5
Lumber and wood products	24	40.8	40.2	40.1	40.3	39.6	3.4	3.3	3.2	3.3	-
Logging camps and logging contractors	241	40.1	40.1	39.1	39.3	-	3.5	3.5	3.3	3.5	-
Sawmills and planing mills	242	41.6	41.0	40.7	41.0	-	3.9	4.0	3.8	3.8	-
Sawmills and planing mills, general	2421	41.8	41.3	41.0	41.1	-	4.0	4.2	4.0	3.9	-
Hardwood dimension and flooring	2426	40.9	40.0	39.9	40.7	-	3.3	3.0	3.0	3.4	-
Millwork, plywood, and structural members	243	40.9	39.7	40.4	40.8	-	3.4	3.2	3.1	3.4	-
Millwork	2431	41.0	40.1	39.8	40.6	-	2.9	2.7	2.2	3.0	-
Wood kitchen cabinets	2434	39.8	38.9	40.7	41.1	-	2.7	2.7	3.3	3.6	-
Hardwood veneer and plywood	2435	41.0	39.3	40.2	40.4	-	3.6	3.1	3.3	3.2	-
Softwood veneer and plywood	2436	42.1	40.1	40.9	40.7	-	4.6	4.1	3.7	3.5	-
Wood containers	244	39.2	38.8	38.4	39.0	-	2.3	2.1	2.2	2.3	-
Wood buildings and mobile homes	245	40.1	39.7	38.6	38.3	-	3.4	2.9	2.5	2.4	-
Mobile homes	2451	40.4	40.0	38.7	38.4	-	3.7	3.1	2.3	2.2	-
Miscellaneous wood products	249	40.6	40.2	40.8	40.7	-	2.6	2.6	2.9	2.9	-
Furniture and fixtures	25	39.9	39.0	39.5	39.6	39.1	2.4	2.2	2.3	2.5	-
Household furniture	251	39.7	38.5	38.9	38.8	-	2.2	1.8	1.9	2.1	-
Wood household furniture	2511	39.6	38.8	39.4	39.5	-	2.2	2.0	2.2	2.4	-
Upholstered household furniture	2512	39.5	37.5	37.7	37.7	-	1.7	1.1	1.2	1.4	-
Metal household furniture	2514	40.9	39.4	40.4	39.2	-	2.7	2.5	2.6	1.9	-
Mattresses and bedsprings	2515	39.8	38.5	36.9	37.7	-	2.5	2.2	1.2	1.8	-
Office furniture	252	40.0	39.5	40.9	41.9	-	2.5	2.5	3.1	4.0	-
Public building and related furniture	253	40.1	40.3	39.9	39.8	-	2.7	3.1	3.1	2.7	-
Partitions and fixtures	254	39.5	39.5	40.2	40.0	-	2.9	3.2	3.2	3.0	-
Miscellaneous furniture and fixtures	259	41.6	40.4	40.7	40.9	-	2.7	2.4	1.8	2.1	-
Stone, clay, and glass products	32	42.1	41.9	42.4	42.4	42.2	4.4	4.5	4.9	5.0	-
Flat glass	321	44.3	43.4	44.5	44.0	-	5.1	5.6	5.7	5.7	-
Glass and glassware, pressed or blown	322	40.9	41.0	41.1	41.0	-	4.0	4.1	4.1	4.4	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Total private		\$7.98	\$8.01	\$8.28	\$8.30	\$8.34	\$280.90	\$282.75	\$291.46	\$294.65	\$297.74
Mining		11.22	11.27	11.56	11.58	11.62	476.85	474.47	499.39	503.73	501.98
Metal mining	10	12.55	12.59	12.99	12.99	-	496.98	479.68	529.99	523.50	-
Iron ores	101	12.40	12.19	12.80	12.78	-	482.36	462.00	504.32	506.09	-
Copper ores	102	13.03	13.33	13.56	13.69	-	521.20	505.21	574.94	561.29	-
Coal mining	11,12	13.65	-	14.63	14.96	-	540.54	539.54	601.29	619.34	-
Bituminous coal and lignite mining	12	13.69	-	14.67	15.00	-	543.49	542.49	604.40	622.50	-
Oil and gas extraction	13	10.63	10.66	10.65	10.58	-	462.41	461.58	467.54	468.69	-
Crude petroleum, natural gas, and natural gas liquids	131,2	12.18	12.31	12.72	12.62	-	514.00	524.41	527.88	531.30	-
Oil and gas field services	138	9.94	9.93	9.88	9.82	-	438.35	433.94	443.61	442.88	-
Nonmetallic minerals, except fuels	14	9.27	9.26	9.72	9.83	-	411.59	413.00	434.48	446.28	-
Crushed and broken stone	142	8.76	8.83	9.18	9.34	-	391.57	400.00	420.44	428.71	-
Construction		11.77	11.80	11.99	11.94	11.97	446.08	450.76	458.02	462.08	463.24
General building contractors	15	10.53	10.61	10.75	10.75	-	390.66	396.81	402.05	405.28	-
Residential building construction	152	9.69	9.61	9.97	10.08	-	356.59	353.65	367.89	375.98	-
Operative builders	153	8.83	8.90	8.96	8.85	-	357.62	363.12	350.34	342.50	-
Nonresidential building construction	154	11.53	11.73	11.65	11.57	-	428.92	442.22	438.04	439.66	-
Heavy construction contractors	16	11.71	11.84	11.72	11.77	-	485.97	494.91	487.55	503.76	-
Highway and street construction	161	10.51	10.62	10.70	10.88	-	450.88	469.40	451.54	483.07	-
Heavy construction, except highway	162	12.35	12.53	12.25	12.29	-	503.88	508.72	505.93	514.95	-
Special trade contractors	17	12.37	12.34	12.65	12.57	-	456.45	457.81	471.85	473.89	-
Plumbing, heating, and air conditioning	171	12.54	12.37	12.60	12.52	-	477.77	471.30	481.32	484.52	-
Painting, paper hanging, and decorating	172	11.27	11.40	11.35	11.32	-	402.34	408.12	406.33	407.52	-
Electrical work	173	14.00	13.99	14.18	14.10	-	525.00	533.02	553.02	547.08	-
Masonry, stonework, and plastering	174	12.34	12.16	12.62	12.52	-	431.90	429.25	445.49	449.47	-
Carpentering and flooring	175	11.38	11.39	11.51	11.61	-	402.85	399.79	406.30	412.16	-
Roofing and sheet metal work	176	10.80	10.92	10.99	11.09	-	378.00	389.84	389.05	392.59	-
Manufacturing		8.79	8.84	9.11	9.14	9.17	354.24	353.60	369.87	372.91	370.47
Durable goods		9.34	9.38	9.66	9.69	9.70	381.07	378.95	399.92	402.14	397.70
Lumber and wood products	24	7.84	7.82	7.92	8.02	8.01	319.87	314.36	317.59	323.21	317.20
Logging camps and logging contractors	241	10.21	10.12	10.54	10.77	-	409.42	405.81	412.11	423.26	-
Sawmills and planing mills	242	8.31	8.30	8.37	8.47	-	345.70	340.30	340.66	347.27	-
Sawmills and planing mills, general	2421	8.78	8.76	8.80	8.92	-	367.00	361.79	360.80	366.61	-
Hardwood dimension and flooring	2426	5.51	5.56	5.80	5.86	-	225.36	222.40	231.42	238.50	-
Millwork, plywood, and structural members	243	7.64	7.61	7.70	7.80	-	312.48	302.12	311.08	318.24	-
Millwork	2431	7.79	7.80	7.90	8.00	-	319.39	312.78	314.42	324.80	-
Wood kitchen cabinets	2434	6.90	6.88	7.01	7.11	-	274.62	267.63	285.31	292.22	-
Hardwood veneer and plywood	2435	6.11	6.08	6.27	6.27	-	250.51	238.94	252.05	253.31	-
Softwood veneer and plywood	2436	9.41	9.41	9.53	9.76	-	396.16	377.34	389.78	397.23	-
Wood containers	244	5.62	5.52	5.70	5.72	-	220.30	214.18	218.88	223.08	-
Wood buildings and mobile homes	245	6.82	6.72	7.12	7.00	-	273.48	266.78	274.83	268.10	-
Mobile homes	2451	6.84	6.71	7.22	7.08	-	276.34	268.40	279.41	271.87	-
Miscellaneous wood products	249	6.57	6.61	6.78	6.80	-	266.74	265.72	276.62	276.76	-
Furniture and fixtures	25	6.60	6.65	6.80	6.85	6.86	263.34	259.35	268.60	271.26	268.23
Household furniture	251	6.05	6.08	6.24	6.29	-	240.19	234.08	242.74	244.05	-
Wood household furniture	2511	5.55	5.59	5.73	5.75	-	219.78	216.89	225.76	227.13	-
Upholstered household furniture	2512	6.48	6.43	6.74	6.79	-	255.96	241.13	254.10	255.98	-
Metal household furniture	2514	6.24	6.41	6.31	6.48	-	255.22	252.55	254.92	254.02	-
Mattresses and bedsprings	2515	6.94	7.02	7.04	7.09	-	276.21	270.27	259.78	267.29	-
Office furniture	252	7.32	7.35	7.44	7.45	-	292.80	290.33	304.30	312.16	-
Public building and related furniture	253	7.27	7.25	7.53	7.47	-	291.53	292.18	300.45	297.31	-
Partitions and fixtures	254	8.18	8.28	8.26	8.22	-	323.11	327.06	332.05	328.80	-
Miscellaneous furniture and fixtures	259	7.29	7.29	7.24	7.42	-	303.26	294.52	294.67	303.48	-
Stone, clay, and glass products	32	9.27	9.33	9.54	9.57	9.63	390.27	390.93	404.50	405.77	406.39
Flat glass	321	12.30	12.46	12.95	12.90	-	544.89	540.76	576.28	567.60	-
Glass and glassware, pressed or blown	322	10.01	10.04	10.42	10.51	-	409.41	411.64	428.26	430.91	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	40.9	41.1	41.2	41.0	-	4.7	4.9	4.8	5.1	-
Pressed and blown glass, nec	3229	41.0	40.8	40.9	40.9	-	3.0	3.0	3.4	3.6	-
Products of purchased glass	323	40.0	40.6	40.9	41.0	-	2.5	3.4	3.6	3.4	-
Cement, hydraulic	324	42.2	41.8	41.7	42.2	-	3.0	3.1	2.7	3.3	-
Structural clay products	325	41.8	41.1	42.3	42.1	-	3.6	3.8	3.8	4.1	-
Pottery and related products	326	38.6	37.6	39.0	39.3	-	1.6	1.5	2.1	2.3	-
Concrete, gypsum, and plaster products	327	44.1	43.9	44.1	44.3	-	6.5	6.6	6.9	7.1	-
Concrete block and brick	3271	46.3	45.8	44.5	44.8	-	8.0	7.5	6.9	7.4	-
Concrete products, nec	3272	42.8	42.0	43.2	43.1	-	4.8	4.9	5.6	5.7	-
Ready-mixed concrete	3273	44.0	44.2	44.1	44.7	-	7.2	7.2	7.6	7.8	-
Misc. nonmetallic mineral products	329	41.5	41.7	42.3	42.1	-	3.3	3.5	4.3	4.2	-
Abrasive products	3291	40.7	40.9	42.3	42.0	-	2.6	2.8	3.1	3.1	-
Asbestos products	3292	43.2	43.4	43.6	43.5	-	3.7	3.9	4.9	4.9	-
Primary metal industries	33	40.5	40.5	41.9	42.0	41.6	2.9	3.0	4.0	4.0	-
Blast furnaces and basic steel products	331	39.4	40.2	41.3	41.4	41.1	2.2	2.5	3.4	3.3	-
Blast furnaces and steel mills	3312	39.1	40.0	41.0	41.1	-	2.1	2.4	3.4	3.3	-
Steel pipe and tubes	3317	40.5	39.8	42.4	42.4	-	2.6	2.9	3.9	3.5	-
Iron and steel foundries	332	40.1	40.1	41.6	41.8	-	2.6	2.8	3.9	4.1	-
Gray iron foundries	3321	39.9	40.2	41.5	41.6	-	2.8	3.2	4.2	4.2	-
Malleable iron foundries	3322	40.3	39.2	40.1	41.5	-	2.4	2.6	2.3	3.4	-
Steel foundries, nec	3325	39.7	39.7	41.3	41.3	-	1.9	1.5	3.0	3.8	-
Primary nonferrous metals	333	41.3	40.9	42.2	42.4	-	3.0	3.2	3.5	3.5	-
Primary aluminum	3334	41.0	40.9	42.4	42.7	-	2.9	3.6	3.9	3.7	-
Nonferrous rolling and drawing	335	42.4	41.8	43.2	43.3	-	4.4	4.3	5.3	5.5	-
Copper rolling and drawing	3351	43.0	43.1	44.7	43.9	-	3.7	4.3	5.7	5.3	-
Aluminum sheet, plate, and foil	3353	41.1	41.5	42.9	43.4	-	5.9	6.1	6.0	6.6	-
Nonferrous wire drawing and insulating	3357	41.9	41.3	42.8	42.8	-	3.8	3.7	5.0	5.2	-
Nonferrous foundries	336	41.0	39.8	41.7	42.1	-	3.3	3.1	3.8	4.0	-
Aluminum foundries	3361	41.5	40.3	41.9	42.5	-	3.4	3.3	4.0	4.4	-
Fabricated metal products	34	40.7	40.2	41.4	41.6	40.8	2.9	2.8	3.5	3.6	-
Metal cans and shipping containers	341	43.4	43.0	42.9	43.9	-	5.0	5.3	5.0	5.4	-
Metal cans	3411	43.5	43.4	42.7	43.9	-	5.0	5.6	4.9	5.4	-
Cutlery, hand tools, and hardware	342	40.4	39.9	40.8	40.6	-	2.6	2.5	2.9	2.6	-
Hand and edge tools, and hand saws and blades	3423,5	39.7	39.1	40.3	40.5	-	1.8	1.7	2.0	2.1	-
Hardware, nec	3429	40.7	39.9	40.9	40.4	-	3.1	3.0	3.5	2.9	-
Plumbing and heating, except electric	343	40.4	38.8	40.1	40.6	-	2.2	1.7	2.3	2.5	-
Plumbing fittings and brass goods	3432	40.2	38.4	40.9	41.5	-	2.1	1.8	2.9	2.9	-
Heating equipment, except electric	3433	40.0	38.4	39.0	39.1	-	1.5	1.0	1.5	1.8	-
Fabricated structural metal products	344	40.3	39.9	40.7	41.3	-	2.7	2.7	2.9	3.2	-
Fabricated structural metal	3441	40.7	40.2	41.5	41.7	-	2.9	3.1	3.5	3.5	-
Metal doors, sash, and trim	3442	40.4	40.1	40.2	40.9	-	3.0	2.8	2.4	2.7	-
Fabricated plate work (boiler shops)	3443	40.2	39.8	41.5	41.7	-	2.3	2.5	3.0	3.3	-
Sheet metal work	3444	39.9	39.3	40.2	40.5	-	2.5	2.5	3.0	3.2	-
Architectural metal work	3446	40.5	40.2	40.4	42.0	-	2.9	1.5	2.2	3.3	-
Screw machine products, bolts, etc	345	40.7	40.8	43.0	42.6	-	2.8	2.8	4.8	4.5	-
Screw machine products	3451	40.1	39.8	42.1	41.9	-	2.5	2.1	4.3	4.2	-
Bolts, nuts, rivets, and washers	3452	41.3	41.7	43.9	43.2	-	3.2	3.5	5.3	4.8	-
Metal forgings and stampings	346	42.0	41.0	42.9	42.6	-	3.9	3.4	4.7	4.6	-
Iron and steel forgings	3462	40.6	39.8	42.5	42.2	-	3.2	2.5	4.4	4.1	-
Automotive stampings	3465	43.9	42.8	45.0	44.7	-	5.5	4.8	6.3	6.1	-
Metal stampings, nec	3469	40.2	39.3	40.9	40.6	-	2.7	2.5	3.3	3.4	-
Metal services, nec	347	40.0	39.9	40.8	41.0	-	3.2	3.2	3.4	3.5	-
Plating and polishing	3471	39.9	39.8	40.7	40.7	-	3.1	3.0	3.2	3.2	-
Metal coating and allied services	3479	40.1	40.0	41.0	41.6	-	3.3	3.5	3.8	4.2	-
Ordnance and accessories, nec	348	40.4	40.0	41.0	41.1	-	1.9	2.0	2.5	2.7	-
Ammunition, except for small arms, nec	3483	40.5	39.6	39.8	40.8	-	1.2	1.2	1.4	1.8	-
Misc. fabricated metal products	349	40.0	39.5	41.1	41.3	-	2.2	1.9	3.0	3.0	-
Valves and pipe fittings	3494	38.9	39.3	41.4	41.5	-	1.9	1.9	3.1	3.2	-
Misc. fabricated wire products	3496	41.1	39.7	40.6	41.1	-	2.4	2.0	3.1	2.9	-
Machinery, except electrical	35	40.3	40.1	41.8	42.0	41.4	2.5	2.5	3.6	3.7	-
Engines and turbines	351	39.1	40.0	41.6	42.0	-	2.0	2.0	3.8	4.2	-
Turbines and turbine generator sets	3511	37.4	37.9	39.9	39.6	-	2.4	2.8	2.9	3.0	-
Internal combustion engines, nec	3519	39.8	40.8	42.2	42.8	-	1.8	1.7	4.1	4.6	-
Farm and garden machinery	352	40.1	39.1	41.0	40.6	-	2.2	1.9	2.8	2.6	-
Farm machinery and equipment	3523	39.9	39.0	40.8	40.6	-	2.3	2.0	2.7	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 workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$10.47	\$10.43	\$11.01	\$11.06	-	\$428.22	\$428.67	\$453.61	\$453.46	-
Pressed and blown glass, nec	3229	9.40	9.50	9.74	9.86	-	385.40	387.60	398.37	403.27	-
Products of purchased glass	323	7.79	8.03	7.92	7.97	-	311.60	326.02	323.93	326.77	-
Cement, hydraulic	324	13.10	13.31	13.45	13.46	-	552.82	556.36	560.87	568.01	-
Structural clay products	325	7.32	7.38	7.72	7.74	-	305.98	303.32	326.56	325.85	-
Pottery and related products	326	7.95	7.76	8.11	8.18	-	306.87	291.78	316.29	321.47	-
Concrete, gypsum, and plaster products	327	9.13	9.21	9.46	9.44	-	402.63	404.32	417.19	418.19	-
Concrete block and brick	3271	7.71	7.68	8.03	8.17	-	356.97	351.74	357.34	366.02	-
Concrete products, nec	3272	7.97	8.07	8.33	8.32	-	341.12	338.94	359.86	358.59	-
Ready-mixed concrete	3273	10.13	10.18	10.44	10.37	-	445.72	449.96	460.40	463.54	-
Misc. nonmetallic mineral products	329	9.13	9.19	9.39	9.46	-	378.90	383.22	397.20	398.27	-
Abrasive products	3291	8.68	8.68	9.01	9.03	-	353.28	355.01	381.12	379.26	-
Asbestos products	3292	9.05	9.03	9.77	9.66	-	390.96	391.90	425.97	420.21	-
Primary metal industries	33	11.24	11.37	11.49	11.47	\$11.46	455.22	460.49	481.43	481.74	\$476.74
Blast furnaces and basic steel products	331	12.69	12.81	13.09	13.03	12.99	499.99	514.96	540.62	539.44	533.89
Blast furnaces and steel mills	3312	13.19	13.27	13.64	13.56	-	515.73	530.80	559.24	557.32	-
Steel pipe and tubes	3317	10.29	10.37	10.56	10.45	-	416.75	412.73	447.74	443.08	-
Iron and steel foundries	332	9.92	9.97	10.10	10.08	-	397.79	399.80	420.16	421.34	-
Gray iron foundries	3321	10.14	10.27	10.37	10.30	-	404.59	412.85	430.36	428.48	-
Malleable iron foundries	3322	10.55	10.62	10.73	10.86	-	425.17	416.30	430.27	450.69	-
Steel foundries, nec	3325	9.61	9.44	9.56	9.68	-	381.52	374.77	394.83	399.78	-
Primary nonferrous metals	333	13.37	13.56	13.37	13.41	-	552.18	554.60	564.21	568.58	-
Primary aluminum	3334	13.92	14.08	13.95	13.92	-	570.72	575.87	591.48	594.38	-
Nonferrous rolling and drawing	335	10.60	10.72	10.94	11.02	-	449.44	448.10	472.61	477.17	-
Copper rolling and drawing	3351	9.39	9.59	10.01	9.97	-	403.77	413.33	447.45	437.68	-
Aluminum sheet, plate, and foil	3353	13.97	14.22	14.05	14.42	-	574.17	590.13	602.75	625.83	-
Nonferrous wire drawing and insulating	3357	9.88	9.92	10.33	10.40	-	413.97	409.70	442.12	445.12	-
Nonferrous foundries	336	8.76	8.86	8.98	8.99	-	359.16	352.63	374.47	378.48	-
Aluminum foundries	3361	8.93	9.05	9.17	9.20	-	370.60	364.72	384.22	391.00	-
Fabricated metal products	34	9.08	9.07	9.33	9.32	9.35	369.56	364.61	386.26	387.71	381.48
Metal cans and shipping containers	341	12.15	12.22	12.33	12.43	-	527.31	525.46	528.96	545.68	-
Metal cans	3411	12.73	12.81	12.93	13.05	-	553.76	555.95	552.11	572.90	-
Cutlery, hand tools, and hardware	342	8.86	8.83	9.15	9.11	-	357.94	352.32	373.32	369.87	-
Hand and edge tools, and hand saws and blades	3423.5	8.17	8.21	8.47	8.44	-	324.35	321.01	341.34	341.82	-
Hardware, nec	3429	9.22	9.14	9.49	9.43	-	375.25	364.69	388.14	380.97	-
Plumbing and heating, except electric	343	8.05	8.04	8.31	8.37	-	325.22	311.95	333.23	339.82	-
Plumbing fittings and brass goods	3432	7.66	7.69	8.08	8.00	-	307.93	295.30	330.47	332.00	-
Heating equipment, except electric	3433	8.13	8.01	8.23	8.37	-	325.20	307.58	320.97	327.27	-
Fabricated structural metal products	344	8.72	8.70	8.83	8.86	-	351.42	347.13	359.38	365.92	-
Fabricated structural metal	3441	9.26	9.35	9.41	9.50	-	376.88	375.87	390.52	396.15	-
Metal doors, sash, and trim	3442	6.84	6.80	7.08	7.14	-	276.34	272.68	284.62	292.03	-
Fabricated plate work (boiler shops)	3443	9.92	9.88	9.91	9.94	-	398.78	393.22	411.27	414.50	-
Sheet metal work	3444	8.93	8.98	9.02	9.06	-	356.31	352.91	362.60	366.93	-
Architectural metal work	3446	8.86	8.65	9.02	9.02	-	358.83	347.73	364.41	378.84	-
Screw machine products, bolts, etc	345	8.46	8.51	8.72	8.68	-	344.32	347.21	374.96	369.77	-
Screw machine products	3451	7.77	7.77	8.03	7.96	-	311.58	309.25	338.06	333.52	-
Bolts, nuts, rivets, and washers	3452	9.10	9.19	9.41	9.42	-	375.83	383.22	413.10	406.94	-
Metal forgings and stampings	346	10.44	10.33	10.85	10.81	-	438.48	423.53	465.47	460.51	-
Iron and steel forgings	3462	11.56	11.39	12.01	11.85	-	469.34	453.32	510.43	500.07	-
Automotive stampings	3465	12.20	12.13	12.72	12.71	-	535.58	519.16	572.40	568.14	-
Metal stampings, nec	3469	8.18	8.09	8.38	8.35	-	328.84	317.94	342.74	339.01	-
Metal services, nec	347	7.23	7.28	7.48	7.51	-	289.20	290.47	305.18	307.91	-
Plating and polishing	3471	7.08	7.17	7.33	7.35	-	282.49	285.37	298.33	299.15	-
Metal coating and allied services	3479	7.59	7.54	7.84	7.90	-	304.36	301.60	321.44	328.64	-
Ordnance and accessories, nec	348	9.44	9.56	9.92	9.87	-	381.38	382.40	406.72	405.66	-
Ammunition, except for small arms, nec	3483	9.00	9.19	9.54	9.36	-	364.50	363.92	379.69	381.89	-
Misc. fabricated metal products	349	8.47	8.50	8.72	8.66	-	338.80	335.75	358.39	357.66	-
Valves and pipe fittings	3494	9.04	9.05	9.30	9.27	-	351.66	355.67	385.02	384.71	-
Misc. fabricated wire products	3496	7.51	7.58	7.87	7.90	-	308.66	300.93	319.52	324.69	-
Machinery, except electrical	35	9.55	9.57	9.90	9.94	9.92	384.87	383.76	413.82	417.48	410.69
Engines and turbines	351	11.90	11.93	12.68	12.86	-	465.29	477.20	527.49	540.12	-
Turbines and turbine generator sets	3511	11.39	11.51	11.97	11.96	-	425.99	436.23	477.60	473.62	-
Internal combustion engines, nec	3519	12.09	12.08	12.90	13.14	-	481.18	492.86	544.38	562.39	-
Farm and garden machinery	352	9.55	9.57	9.64	9.78	-	382.96	374.19	395.24	397.07	-
Farm machinery and equipment	3523	10.05	10.08	10.13	10.31	-	401.00	393.12	413.30	418.59	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	39.9	39.3	41.2	41.7	-	2.1	2.0	3.0	3.3	-
Construction machinery	3531	40.8	39.8	41.4	42.1	-	2.2	2.0	2.6	2.6	-
Mining machinery	3532	38.8	38.8	40.6	41.1	-	1.0	1.3	3.0	3.5	-
Oil field machinery	3533	39.6	39.0	41.9	41.4	-	2.6	2.1	3.6	3.6	-
Conveyors and conveying equipment	3535	39.5	39.7	40.5	42.3	-	2.0	2.2	2.9	4.3	-
Industrial trucks and tractors	3537	39.0	38.9	41.3	42.2	-	2.2	2.5	3.7	4.1	-
Metalworking machinery	354	40.1	40.1	42.6	43.0	-	2.9	2.9	4.6	4.7	-
Machine tools, metal cutting types	3541	38.1	38.8	42.3	42.3	-	1.2	1.5	3.5	3.4	-
Machine tools, metal forming types	3542	36.7	37.7	41.5	42.6	-	2.0	2.4	3.6	4.4	-
Special dies, tools, jigs, and fixtures	3544	41.3	40.9	43.3	43.8	-	3.8	3.7	5.4	5.5	-
Machine tool accessories	3545	39.7	40.2	42.4	42.4	-	2.3	2.5	4.3	4.2	-
Power driven hand tools	3546	39.8	39.1	40.1	40.9	-	2.5	2.4	3.1	3.1	-
Special industry machinery	355	40.6	40.0	41.6	41.8	-	2.5	2.4	3.3	3.5	-
Food products machinery	3551	40.6	40.4	41.6	41.8	-	2.2	2.3	2.6	2.7	-
Textile machinery	3552	40.7	39.4	40.8	41.6	-	2.2	1.9	2.7	3.0	-
Printing trades machinery	3555	40.3	40.2	42.4	41.8	-	3.0	3.2	3.5	3.3	-
General industrial machinery	356	40.3	40.1	41.8	41.7	-	2.4	2.4	3.6	3.5	-
Pumps and pumping equipment	3561	40.1	39.3	41.6	41.5	-	1.9	2.0	3.4	3.5	-
Ball and roller bearings	3562	42.1	41.6	44.3	43.5	-	3.4	3.0	4.9	4.5	-
Air and gas compressors	3563	39.7	38.1	40.8	40.6	-	1.6	1.6	2.8	2.7	-
Blowers and fans	3564	40.3	40.1	40.6	41.0	-	2.0	2.2	2.4	2.2	-
Speed changers, drives, and gears	3566	38.7	39.4	40.6	40.0	-	2.1	2.1	3.2	3.6	-
Power transmission equipment, nec	3568	38.9	39.5	41.4	41.5	-	2.1	2.1	3.9	3.8	-
Office and computing machines	357	41.1	41.0	41.9	41.9	-	2.4	2.4	2.7	2.9	-
Electronic computing equipment	3573	41.3	41.2	42.0	42.0	-	2.6	2.6	2.8	2.9	-
Refrigeration and service machinery	358	40.5	40.4	41.7	42.2	-	2.5	2.7	3.9	4.4	-
Refrigeration and heating equipment	3585	41.0	40.6	41.9	42.4	-	2.6	2.9	4.0	4.5	-
Misc. machinery, except electrical	359	40.0	39.9	41.6	41.8	-	2.6	2.7	3.8	4.0	-
Carburetors, pistons, rings, and valves	3592	41.8	40.9	41.9	43.1	-	3.3	3.4	3.8	4.5	-
Machinery, except electrical, nec	3599	39.6	39.7	41.5	41.6	-	2.5	2.6	3.8	4.0	-
Electrical and electronic equipment											
Electric distributing equipment	361	39.6	39.0	40.9	41.2	-	2.2	1.7	2.5	2.9	-
Transformers	3612	39.9	39.8	41.4	42.0	-	2.4	1.9	2.8	3.3	-
Switchgear and switchboard apparatus	3613	39.3	38.5	40.4	40.5	-	2.0	1.4	2.3	2.6	-
Electrical industrial apparatus	362	40.2	40.0	41.3	41.1	-	2.5	2.6	3.2	3.2	-
Motors and generators	3621	41.0	41.0	41.8	41.6	-	2.8	3.2	3.5	3.5	-
Industrial controls	3622	39.4	38.4	40.5	40.1	-	2.1	1.6	2.9	2.5	-
Household appliances	363	39.5	39.2	39.9	40.0	-	1.7	1.9	2.2	2.4	-
Household refrigerators and freezers	3632	39.5	39.9	40.7	40.0	-	1.5	1.4	2.4	2.2	-
Household laundry equipment	3633	39.3	40.1	39.5	39.6	-	1.5	2.5	.4	1.2	-
Electric housewares and fans	3634	39.5	38.6	40.1	40.2	-	1.8	1.6	2.4	2.4	-
Electric lighting and wiring equipment	364	41.0	40.4	41.0	40.8	-	2.7	2.4	3.2	2.9	-
Electric lamps	3641	42.5	41.4	42.2	41.6	-	2.7	1.6	3.2	2.8	-
Current-carrying wiring devices	3643	40.8	41.0	41.6	41.2	-	2.8	2.9	3.8	3.4	-
Noncurrent-carrying wiring devices	3644	39.6	39.0	39.8	40.5	-	2.0	1.9	1.7	2.4	-
Residential lighting fixtures	3645	40.5	39.0	39.0	39.0	-	2.0	1.4	1.8	1.7	-
Radio and TV receiving equipment	365	39.8	39.5	41.0	40.9	-	2.2	2.4	2.9	2.7	-
Radio and TV receiving sets	3651	40.3	39.9	41.0	41.4	-	2.5	2.7	3.0	3.0	-
Communication equipment	366	40.7	40.8	40.8	41.1	-	2.2	2.4	2.4	2.8	-
Telephone and telegraph apparatus	3661	41.0	41.1	40.6	41.2	-	2.6	2.8	2.7	3.2	-
Radio and TV communication equipment	3662	40.5	40.6	41.0	41.1	-	2.0	2.1	2.3	2.5	-
Electronic components and accessories	367	40.9	40.6	41.0	41.1	-	2.8	2.8	3.4	3.4	-
Electronic tubes	3671-3	41.2	41.2	42.3	43.2	-	2.0	2.1	2.8	2.8	-
Semiconductors and related devices	3674	41.5	41.1	41.4	41.3	-	3.4	3.3	4.2	4.2	-
Electronic components, nec	3679	40.8	40.5	41.0	41.0	-	2.8	2.8	3.4	3.3	-
Misc. electrical equipment and supplies	369	41.2	40.6	40.4	40.9	-	2.8	2.8	2.7	3.0	-
Storage batteries	3691	40.2	39.3	38.8	40.3	-	2.0	2.3	.9	1.4	-
Engine electrical equipment	3694	42.9	41.3	40.9	41.2	-	4.4	3.4	3.4	4.0	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$10.37	\$10.37	\$10.71	\$10.71	-	\$413.76	\$407.54	\$441.25	\$446.61	-
Construction machinery	3531	11.15	11.10	11.40	11.40	-	454.92	441.78	471.96	479.94	-
Mining machinery	3532	10.98	11.12	11.44	11.46	-	426.02	431.46	464.46	471.01	-
Oil field machinery	3533	10.62	10.59	11.06	10.98	-	420.55	413.01	463.41	454.57	-
Conveyors and conveying equipment	3535	8.80	8.99	9.34	9.57	-	347.60	356.90	378.27	404.81	-
Industrial trucks and tractors	3537	9.02	8.99	9.11	9.21	-	351.78	349.71	376.24	388.66	-
Metalworking machinery	354	9.78	9.79	10.04	10.06	-	392.18	392.58	427.70	432.58	-
Machine tools, metal cutting types	3541	9.89	9.88	10.12	10.11	-	376.81	383.34	428.08	427.65	-
Machine tools, metal forming types	3542	10.47	10.47	10.49	10.62	-	384.25	394.72	435.34	452.41	-
Special dies, tools, jigs, and fixtures	3544	10.37	10.34	10.62	10.63	-	428.28	422.91	459.85	465.59	-
Machine tool accessories	3545	8.88	8.99	9.20	9.24	-	352.54	361.40	390.08	391.78	-
Power driven hand tools	3546	7.73	7.73	8.06	8.01	-	307.65	302.24	323.21	327.61	-
Special industry machinery	355	9.27	9.37	9.61	9.67	-	376.36	374.80	399.78	404.21	-
Food products machinery	3551	9.66	9.74	10.17	10.17	-	392.20	393.50	423.07	425.11	-
Textile machinery	3552	7.29	7.29	7.56	7.57	-	296.70	287.23	308.45	314.91	-
Printing trades machinery	3555	9.64	9.83	9.71	9.85	-	388.49	395.17	411.70	411.73	-
General industrial machinery	356	9.44	9.40	9.72	9.71	-	380.43	376.94	406.30	404.91	-
Pumps and pumping equipment	3561	9.77	9.85	10.26	10.28	-	391.78	387.11	426.82	426.62	-
Ball and roller bearings	3562	9.41	9.28	9.99	9.94	-	396.16	386.05	442.56	432.39	-
Air and gas compressors	3563	9.99	9.84	9.46	9.67	-	396.60	374.90	385.97	392.60	-
Blowers and fans	3564	8.82	8.87	8.75	8.79	-	355.45	355.69	355.25	360.39	-
Speed changers, drives, and gears	3566	9.82	9.89	10.37	10.40	-	380.03	389.67	421.02	416.00	-
Power transmission equipment, nec	3568	9.32	9.41	9.95	9.88	-	362.55	371.70	411.93	410.02	-
Office and computing machines	357	8.48	8.57	8.85	8.92	-	348.53	351.37	370.82	373.75	-
Electronic computing equipment	3573	8.44	8.52	8.82	8.89	-	348.57	351.02	370.44	373.38	-
Refrigeration and service machinery	358	9.18	9.20	9.67	9.68	-	371.79	371.68	403.24	408.50	-
Refrigeration and heating equipment	3585	9.46	9.51	9.95	9.98	-	387.86	386.11	416.91	423.15	-
Misc. machinery, except electrical	359	9.45	9.50	9.71	9.74	-	378.00	379.05	403.94	407.13	-
Carburetors, pistons, rings, and valves	3592	10.88	10.97	11.63	11.56	-	454.78	448.67	487.30	498.24	-
Machinery, except electrical, nec	3599	9.18	9.24	9.36	9.40	-	363.53	366.83	388.44	391.04	-
Electrical and electronic equipment	36	8.61	8.67	8.89	8.91	\$8.94	349.57	349.40	363.60	365.31	\$363.86
Electric distributing equipment	361	8.27	8.27	8.52	8.55	-	327.49	322.53	348.47	352.26	-
Transformers	3612	8.10	8.15	8.40	8.46	-	323.19	324.37	347.76	355.32	-
Switchgear and switchboard apparatus	3613	8.41	8.37	8.62	8.62	-	330.51	322.25	348.25	349.11	-
Electrical industrial apparatus	362	8.69	8.78	9.02	9.01	-	349.34	351.20	372.53	370.31	-
Motors and generators	3621	8.70	8.78	9.01	9.03	-	356.70	359.98	376.62	375.65	-
Industrial controls	3622	8.48	8.60	8.80	8.75	-	334.11	330.24	356.40	350.88	-
Household appliances	363	8.46	8.66	8.86	8.82	-	334.17	339.47	353.51	352.80	-
Household refrigerators and freezers	3632	9.56	9.69	10.20	10.24	-	377.62	386.63	415.14	409.60	-
Household laundry equipment	3633	10.10	10.17	10.55	10.55	-	396.93	407.82	416.73	417.78	-
Electric housewares and fans	3634	6.64	6.64	6.81	6.74	-	262.28	256.30	273.08	270.95	-
Electric lighting and wiring equipment	364	8.03	8.13	8.37	8.39	-	329.23	328.45	343.17	342.31	-
Electric lamps	3641	9.12	9.24	9.50	9.52	-	387.60	382.54	400.90	396.03	-
Current-carrying wiring devices	3643	7.50	7.60	7.78	7.82	-	306.00	311.60	323.65	322.18	-
Noncurrent-carrying wiring devices	3644	8.28	8.36	8.62	8.73	-	327.89	326.04	343.08	353.57	-
Residential lighting fixtures	3645	6.33	6.27	6.56	6.57	-	256.37	244.53	255.84	256.23	-
Radio and TV receiving equipment	365	8.24	8.38	8.72	8.65	-	327.95	331.01	357.52	353.79	-
Radio and TV receiving sets	3651	8.53	8.62	9.07	8.94	-	343.76	343.94	371.87	370.12	-
Communication equipment	366	10.23	10.31	10.68	10.75	-	416.36	420.65	435.74	441.83	-
Telephone and telegraph apparatus	3661	10.25	10.30	10.55	10.61	-	420.25	423.33	428.33	437.13	-
Radio and TV communication equipment	3662	10.23	10.31	10.75	10.82	-	414.32	418.59	440.75	444.70	-
Electronic components and accessories	367	7.51	7.53	7.72	7.73	-	307.16	305.72	316.52	317.70	-
Electronic tubes	3671-3	9.59	9.57	10.00	9.99	-	395.11	394.28	423.00	431.57	-
Semiconductors and related devices	3674	8.60	8.62	8.97	9.00	-	356.90	354.28	371.36	371.70	-
Electronic components, nec	3679	6.96	6.98	7.12	7.11	-	283.97	282.69	291.92	291.51	-
Misc. electrical equipment and supplies	369	9.41	9.35	9.63	9.78	-	387.69	379.61	389.05	400.00	-
Storage batteries	3691	9.64	9.68	10.21	10.24	-	387.53	380.42	396.15	412.67	-
Engine electrical equipment	3694	10.15	9.94	10.33	10.55	-	435.44	410.52	422.50	434.66	-

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				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Transportation equipment	37	42.3	41.7	42.7	42.8	42.3	4.0	3.8	4.5	4.6	-
Motor vehicles and equipment	371	44.0	43.0	43.7	44.0	43.3	5.2	4.8	5.4	5.6	-
Motor vehicles and car bodies	3711	44.3	42.9	44.2	44.0	-	5.5	4.9	6.0	6.2	-
Truck and bus bodies	3713	40.5	40.1	40.0	40.4	-	2.4	2.3	2.8	3.1	-
Motor vehicle parts and accessories	3714	44.2	43.4	44.0	44.6	-	5.3	5.1	5.5	5.6	-
Truck trailers	3715	41.1	41.2	42.6	42.1	-	3.3	2.6	4.1	4.2	-
Aircraft and parts	372	40.8	40.5	41.6	41.7	-	2.8	2.9	3.4	3.8	-
Aircraft	3721	40.5	40.1	-	-	-	2.4	2.1	-	-	-
Aircraft engines and engine parts	3724	40.0	40.4	41.4	41.5	-	3.0	3.7	4.3	4.7	-
Aircraft equipment, nec	3728	42.2	41.2	42.3	42.4	-	3.4	3.5	3.8	4.2	-
Ship and boat building and repairing	373	39.9	40.0	41.3	40.9	-	2.7	2.7	3.6	3.0	-
Ship building and repairing	3731	39.9	40.3	41.2	-	-	2.8	2.8	3.6	-	-
Boat building and repairing	3732	39.6	39.0	41.6	40.8	-	2.3	2.2	3.4	2.7	-
Railroad equipment	374	39.3	39.3	41.6	40.9	-	2.1	2.7	2.7	2.8	-
Guided missiles, space vehicles, and parts	376	41.3	40.9	41.8	42.2	-	3.0	3.2	3.3	3.6	-
Guided missiles and space vehicles	3761	41.7	41.1	42.2	42.7	-	3.2	3.5	3.5	3.9	-
Miscellaneous transportation equipment	379	40.1	39.7	40.3	40.0	-	2.6	2.6	2.8	2.7	-
Travel trailers and campers	3792	40.1	39.8	38.9	37.7	-	3.0	3.2	2.3	1.6	-
Instruments and related products											
Engineering and scientific instruments	38	40.2	40.1	40.7	41.2	40.7	1.9	1.9	2.3	2.5	-
Engineering and scientific instruments	381	40.7	41.2	40.8	41.3	-	2.1	2.1	2.3	2.5	-
Measuring and controlling devices	382	39.7	39.7	41.1	41.4	-	1.6	1.5	2.3	2.5	-
Environmental controls	3822	39.8	38.9	40.7	40.9	-	2.1	2.0	1.9	2.0	-
Process control instruments	3823	39.7	39.6	42.0	42.2	-	1.2	1.2	3.1	3.0	-
Instruments to measure electricity	3825	40.0	39.8	41.1	40.8	-	1.5	1.4	2.0	2.1	-
Optical instruments and lenses	383	42.7	42.5	43.1	42.9	-	2.8	2.6	3.7	3.3	-
Medical instruments and supplies	384	40.2	39.6	39.6	40.2	-	2.3	2.1	2.1	2.4	-
Surgical and medical instruments	3841	40.4	39.5	39.4	39.6	-	2.2	2.0	2.1	2.3	-
Surgical appliances and supplies	3842	40.1	39.7	39.9	40.8	-	2.5	2.2	2.0	2.4	-
Ophthalmic goods	385	39.0	39.8	39.9	40.0	-	1.8	1.5	1.7	1.8	-
Photographic equipment and supplies	386	40.6	41.2	41.5	42.8	-	1.8	1.9	2.4	2.6	-
Watches, clocks, and watchcases	387	40.5	39.8	40.4	41.2	-	2.5	2.5	2.4	2.9	-
Miscellaneous manufacturing											
Miscellaneous manufacturing	39	38.8	38.7	39.3	39.1	39.1	1.8	1.6	2.0	2.0	-
Jewelry, silverware, and plated ware	391	37.2	37.3	37.4	37.5	-	1.3	.7	1.3	.9	-
Jewelry, precious metal	3911	36.6	36.1	37.0	37.1	-	1.1	.7	1.4	.9	-
Musical instruments	393	38.2	39.6	38.8	39.1	-	1.0	1.2	1.2	1.2	-
Toys and sporting goods	394	39.0	38.9	40.0	39.5	-	1.8	1.7	2.1	2.4	-
Dolls, games, toys, and children's vehicles	3942.4	38.5	38.5	38.7	38.5	-	1.4	1.4	1.6	1.9	-
Sporting and athletic goods, nec	3949	39.4	39.5	41.2	40.5	-	2.1	2.1	2.6	2.9	-
Pens, pencils, office, and art supplies	395	40.3	40.0	41.0	40.7	-	2.3	2.0	2.5	2.6	-
Costume jewelry and notions	396	37.1	35.9	37.4	37.2	-	2.1	1.4	1.9	1.7	-
Costume jewelry	3961	34.6	33.3	36.3	35.6	-	1.7	1.7	1.5	1.2	-
Miscellaneous manufactures	399	39.6	39.5	39.6	39.6	-	2.0	1.9	2.2	2.1	-
Signs and advertising displays	3993	39.5	39.5	39.9	39.8	-	2.1	2.0	2.9	2.6	-
Nondurable goods											
Food and kindred products	20	39.7	39.4	39.6	39.8	39.4	3.0	3.0	3.0	3.1	3.1
Food and kindred products	20	39.8	39.5	39.6	40.0	39.8	3.5	3.7	3.4	3.8	-
Meat products	201	40.1	39.8	39.4	40.0	-	3.8	3.5	3.3	3.6	-
Meat packing plants	2011	42.4	41.5	41.0	41.1	-	4.8	4.4	4.0	4.1	-
Sausages and other prepared meats	2013	41.1	40.8	39.3	40.2	-	4.6	3.7	3.1	3.7	-
Poultry dressing plants	2016	37.4	37.5	37.9	38.9	-	2.5	2.5	2.6	3.2	-
Dairy products	202	41.6	42.1	40.8	41.7	-	4.2	4.5	4.0	4.5	-
Cheese, natural and processed	2022	39.4	39.8	39.5	40.2	-	3.3	3.2	3.3	3.7	-
Fluid milk	2026	42.3	42.8	41.8	42.3	-	4.5	5.0	4.5	4.9	-
Preserved fruits and vegetables	203	37.8	36.8	38.7	38.7	-	2.9	3.4	2.9	3.6	-
Canned specialties	2032	39.7	39.6	41.2	41.0	-	3.8	3.0	4.2	4.5	-
Canned fruits and vegetables	2033	37.6	36.7	38.3	38.6	-	2.8	3.7	2.7	3.6	-
Frozen fruits and vegetables	2037	37.5	35.8	38.3	38.1	-	2.7	3.4	3.0	4.2	-
Grain mill products	204	42.7	43.2	42.5	42.8	-	4.9	5.6	4.9	5.1	-
Flour and other grain mill products	2041	46.1	46.8	44.1	44.7	-	5.9	6.5	5.5	5.8	-
Prepared feeds, nec	2048	43.4	43.9	42.5	42.8	-	5.7	6.4	5.0	5.3	-
Bakery products	205	38.7	38.5	38.7	38.6	-	3.1	3.3	3.1	3.2	-
Bread, cake, and related products	2051	38.2	38.1	38.1	38.2	-	3.4	3.5	3.4	3.6	-
Cookies and crackers	2052	39.8	39.4	40.2	39.6	-	2.3	2.6	2.4	2.2	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Durable goods—Continued											
Transportation equipment	37	\$11.62	\$11.60	\$12.04	\$12.13	\$12.13	\$491.53	\$483.72	\$514.11	\$519.16	\$513.10
Motor vehicles and equipment	371	12.12	12.05	12.51	12.67	12.67	533.28	518.15	546.69	557.48	548.61
Motor vehicles and car bodies	3711	13.33	13.22	13.94	14.17	-	590.52	567.14	616.15	623.48	-
Truck and bus bodies	3713	8.78	9.00	9.71	9.77	-	355.59	360.90	388.40	394.71	-
Motor vehicle parts and accessories	3714	11.59	11.57	11.99	12.11	-	512.28	502.14	527.56	540.11	-
Truck trailers	3715	8.67	8.55	8.88	8.98	-	356.34	352.26	378.29	378.06	-
Aircraft and parts	372	11.74	11.84	12.27	12.32	-	478.99	479.52	510.43	513.74	-
Aircraft	3721	12.51	12.57	-	-	-	506.66	504.06	-	-	-
Aircraft engines and engine parts	3724	11.44	11.72	12.18	12.32	-	457.60	473.49	504.25	511.28	-
Aircraft equipment, nec	3728	10.70	10.73	11.18	11.20	-	451.54	442.08	472.91	474.88	-
Ship and boat building and repairing	373	9.87	9.89	10.22	10.15	-	393.81	395.60	422.09	415.14	-
Ship building and repairing	3731	10.62	10.60	11.18	-	-	423.74	427.18	460.62	-	-
Boat building and repairing	3732	7.61	7.56	7.66	7.72	-	301.36	294.84	318.66	314.98	-
Railroad equipment	374	11.74	11.91	12.22	12.23	-	461.38	468.06	508.35	500.21	-
Guided missiles, space vehicles, and parts	376	11.60	11.57	11.88	11.85	-	479.08	473.21	496.58	500.07	-
Guided missiles and space vehicles	3761	11.85	11.85	12.08	12.06	-	494.15	487.04	509.78	514.96	-
Miscellaneous transportation equipment	379	9.33	9.20	9.59	9.68	-	374.13	365.24	386.48	387.20	-
Travel trailers and campers	3792	8.18	8.00	8.52	8.54	-	328.02	318.40	331.43	321.96	-
Instruments and related products	38	8.40	8.49	8.71	8.77	8.79	337.68	340.45	354.50	361.32	357.75
Engineering and scientific instruments	381	8.87	9.01	9.35	9.35	-	361.01	371.21	381.48	386.16	-
Measuring and controlling devices	382	8.37	8.41	8.68	8.70	-	332.29	333.88	356.75	360.18	-
Environmental controls	3822	7.85	7.94	8.19	8.20	-	312.43	308.87	333.33	335.38	-
Process control instruments	3823	8.42	8.54	8.79	8.76	-	334.27	338.18	369.18	369.67	-
Instruments to measure electricity	3825	8.68	8.59	8.97	8.98	-	347.20	341.88	368.67	366.38	-
Optical instruments and lenses	383	9.08	9.57	9.88	9.74	-	387.72	406.73	425.83	417.85	-
Medical instruments and supplies	384	7.31	7.35	7.66	7.72	-	293.86	291.06	303.34	310.34	-
Surgical and medical instruments	3841	7.34	7.38	7.76	7.84	-	296.54	291.51	305.74	310.46	-
Surgical appliances and supplies	3842	7.29	7.32	7.58	7.62	-	292.33	290.60	302.44	310.90	-
Ophthalmic goods	385	6.42	6.39	6.43	6.57	-	250.38	254.32	256.56	262.80	-
Photographic equipment and supplies	386	11.10	11.17	11.28	11.40	-	450.66	460.20	468.12	487.92	-
Watches, clocks, and watchcases	387	6.28	6.46	6.53	6.48	-	254.34	257.11	263.81	266.98	-
Miscellaneous manufacturing	39	6.79	6.80	6.99	6.98	7.01	263.45	263.16	274.71	272.92	274.09
Jewelry, silverware, and plated ware	391	7.22	7.21	7.47	7.52	-	268.58	268.93	279.38	282.00	-
Jewelry, precious metal	3911	7.07	7.09	7.54	7.57	-	258.76	255.95	278.98	280.85	-
Musical instruments	393	6.73	6.61	6.86	6.83	-	257.09	261.76	266.17	267.05	-
Toys and sporting goods	394	6.35	6.25	6.37	6.39	-	247.65	243.13	254.80	252.41	-
Dolls, games, toys, and children's vehicles	3942,4	6.13	5.97	6.12	6.13	-	236.01	229.85	236.84	236.01	-
Sporting and athletic goods, nec	3949	6.58	6.53	6.59	6.64	-	259.25	257.94	271.51	268.92	-
Pens, pencils, office, and art supplies	395	6.99	6.99	7.29	7.27	-	281.70	279.60	298.89	295.89	-
Costume jewelry and notions	396	5.66	5.69	5.83	5.76	-	209.99	204.27	218.04	214.27	-
Costume jewelry	3961	5.19	5.21	5.31	5.21	-	179.57	173.49	192.75	185.48	-
Miscellaneous manufactures	399	7.32	7.42	7.69	7.66	-	289.87	293.09	304.52	303.34	-
Signs and advertising displays	3993	7.92	8.03	8.31	8.17	-	312.84	317.19	331.57	325.17	-
Nondurable goods		8.05	8.12	8.30	8.33	8.41	319.59	319.93	328.68	331.53	331.35
Food and kindred products	20	8.20	8.20	8.43	8.44	8.45	326.36	323.90	333.83	337.60	336.31
Meat products	201	7.45	7.37	7.23	7.27	-	298.75	293.33	284.86	290.80	-
Meat packing plants	2011	8.57	8.47	8.19	8.16	-	363.37	351.51	335.79	335.38	-
Sausages and other prepared meats	2013	9.24	9.10	8.88	9.09	-	379.76	371.28	348.98	365.42	-
Poultry dressing plants	2016	5.35	5.32	5.47	5.54	-	200.09	199.50	207.31	215.51	-
Dairy products	202	8.48	8.53	8.70	8.71	-	352.77	359.11	354.96	363.21	-
Cheese, natural and processed	2022	8.13	8.13	8.33	8.34	-	320.32	323.57	329.04	335.27	-
Fluid milk	2026	8.73	8.81	8.89	8.91	-	369.28	377.07	371.60	376.89	-
Preserved fruits and vegetables	203	7.39	7.34	7.73	7.72	-	279.34	270.11	299.15	298.76	-
Canned specialties	2032	8.79	8.66	9.10	9.05	-	348.96	342.94	374.92	371.05	-
Canned fruits and vegetables	2033	7.45	7.16	7.90	7.86	-	280.12	262.77	302.57	303.40	-
Frozen fruits and vegetables	2037	6.80	7.16	7.20	7.23	-	255.00	256.33	275.76	275.46	-
Grain mill products	204	9.54	9.67	10.07	10.15	-	407.36	417.74	427.98	434.42	-
Flour and other grain mill products	2041	9.55	9.72	9.97	9.98	-	440.26	454.90	439.68	446.11	-
Prepared feeds, nec	2048	7.32	7.38	7.53	7.45	-	317.69	323.98	320.03	318.86	-
Bakery products	205	8.89	8.92	9.34	9.33	-	344.04	343.42	361.46	360.14	-
Bread, cake, and related products	2051	8.99	9.02	9.32	9.37	-	343.42	343.66	355.09	357.93	-
Cookies and crackers	2052	8.64	8.66	9.40	9.25	-	343.87	341.20	377.88	366.30	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	39.9	39.8	39.8	40.4	-	2.1	2.5	2.4	2.7	-
Cane and beet sugar	2061-3	41.7	42.3	41.9	42.2	-	3.7	4.9	3.8	3.9	-
Confectionery products	2065	38.8	38.5	38.9	39.4	-	1.5	1.5	1.8	2.2	-
Fats and oils	207	42.7	42.0	43.1	43.0	-	4.8	4.9	5.0	5.1	-
Beverages	208	40.8	41.6	40.4	41.6	-	4.0	4.6	3.6	4.5	-
Malt beverages	2082	42.4	44.2	42.9	43.8	-	5.7	6.3	5.3	5.7	-
Bottled and canned soft drinks	2086	40.6	41.3	39.7	41.5	-	3.7	4.5	3.3	4.8	-
Misc. food and kindred products	209	38.2	37.6	38.1	38.1	-	3.0	3.3	3.5	3.8	-
Tobacco manufactures	21	38.4	36.8	39.6	41.0	38.9	1.7	1.2	1.3	2.5	-
Cigarettes	211	38.6	36.7	39.9	41.5	-	1.7	1.1	1.4	2.7	-
Textile mill products	22	41.1	40.2	40.1	40.3	39.1	3.7	3.5	3.4	3.4	-
Weaving mills, cotton	221	41.1	40.4	39.5	40.0	-	4.1	3.8	3.6	3.7	-
Weaving mills, synthetics	222	41.5	41.1	40.7	40.9	-	3.9	4.1	3.8	3.4	-
Weaving and finishing mills, wool	223	41.2	39.9	41.9	41.6	-	4.2	4.3	3.8	4.1	-
Narrow fabric mills	224	40.8	40.2	40.8	40.4	-	2.6	1.8	2.6	2.4	-
Knitting mills	225	39.7	38.8	38.5	38.9	-	2.9	2.9	2.4	2.7	-
Women's hosiery, except socks	2251	40.7	40.8	37.9	38.2	-	3.3	3.7	2.1	2.1	-
Hosiery, nec	2252	39.9	39.3	37.0	38.6	-	3.1	2.9	1.6	2.2	-
Knit outerwear mills	2253	37.5	36.9	37.8	37.8	-	2.0	2.2	2.3	2.6	-
Knit underwear mills	2254	38.7	35.7	38.3	38.4	-	1.8	1.3	1.7	1.7	-
Circular knit fabric mills	2257	41.6	41.7	40.5	41.2	-	3.8	4.3	3.2	4.0	-
Textile finishing, except wool	226	42.5	39.5	41.4	41.2	-	4.5	3.5	3.8	4.0	-
Finishing plants, cotton	2261	43.3	39.7	41.3	40.8	-	4.5	3.4	3.4	4.0	-
Finishing plants, synthetics	2262	41.8	38.2	40.9	40.9	-	4.6	3.8	4.1	4.0	-
Floor covering mills	227	43.3	42.0	41.6	42.0	-	4.9	4.9	4.6	5.0	-
Yarn and thread mills	228	41.4	41.0	40.2	40.0	-	3.9	3.4	3.4	3.2	-
Yarn mills, except wool	2281	42.1	41.7	40.7	40.4	-	4.3	3.8	3.8	3.5	-
Throwing and winding mills	2282	38.4	37.6	37.6	37.6	-	2.7	2.6	2.5	2.7	-
Miscellaneous textile goods	229	42.2	41.6	42.6	43.0	-	3.8	3.7	4.1	4.3	-
Apparel and other textile products	23	36.6	36.1	36.5	36.8	36.2	1.4	1.1	1.4	1.4	-
Men's and boys' suits and coats	231	36.5	36.1	36.6	36.5	-	.8	.9	1.0	1.1	-
Men's and boys' furnishings	232	37.7	37.5	37.5	38.1	-	1.3	1.0	1.3	1.5	-
Men's and boys' shirts and nightwear	2321	37.3	36.8	37.2	38.1	-	1.4	.9	1.2	1.5	-
Men's and boys' separate trousers	2327	36.8	37.6	37.3	37.9	-	1.3	1.1	1.3	1.5	-
Men's and boys' work clothing	2328	38.8	38.1	37.7	38.1	-	1.4	1.1	1.2	1.4	-
Women's and misses' outerwear	233	34.6	34.2	34.4	34.7	-	1.2	1.1	1.2	1.1	-
Women's and misses' blouses and waists	2331	35.4	35.4	34.7	35.0	-	1.2	1.0	1.0	1.1	-
Women's and misses' dresses	2335	32.8	32.2	32.8	32.6	-	1.1	.9	.9	.8	-
Women's and misses' suits and coats	2337	35.0	34.7	34.1	35.6	-	1.2	1.1	1.2	1.2	-
Women's and misses' outerwear, nec	2339	35.8	35.2	35.8	35.9	-	1.4	1.3	1.6	1.3	-
Women's and children's undergarments	234	36.7	36.2	37.0	37.0	-	1.3	1.2	1.3	1.3	-
Women's and children's underwear	2341	36.9	36.7	36.9	37.1	-	1.3	1.3	1.2	1.2	-
Brassieres and allied garments	2342	35.6	33.8	37.2	36.4	-	1.0	.7	1.8	1.6	-
Children's outerwear	236	36.7	35.8	36.4	37.4	-	1.4	1.0	.9	1.5	-
Children's dresses and blouses	2361	36.2	35.4	35.9	36.4	-	1.2	.9	1.0	1.3	-
Misc. apparel and accessories	238	36.0	36.1	37.6	37.5	-	1.1	1.1	1.4	1.2	-
Misc. fabricated textile products	239	39.5	38.1	38.6	39.0	-	2.3	1.7	2.3	2.4	-
Curtains and draperies	2391	39.4	37.6	37.7	37.8	-	1.4	1.4	1.6	1.4	-
House furnishings, nec	2392	38.7	37.8	37.8	38.1	-	2.0	1.8	2.1	2.0	-
Automotive and apparel trimmings	2396	42.1	39.2	40.9	42.3	-	4.2	2.7	3.8	4.9	-
Paper and allied products	26	42.9	42.7	42.9	43.1	43.1	4.6	4.8	4.8	4.9	-
Paper and pulp mills	261,2,6	44.7	44.7	45.0	45.0	-	6.3	6.8	6.7	6.7	-
Paper mills, except building paper	262	45.0	45.0	44.9	45.1	-	6.4	6.9	6.5	6.8	-
Paperboard mills	263	42.9	43.6	44.3	44.4	-	6.6	7.2	7.6	7.6	-
Misc. converted paper products	264	41.8	41.3	41.1	41.5	-	3.1	3.0	2.9	2.9	-
Paper coating and glazing	2641	43.0	43.0	41.7	42.3	-	3.1	3.3	2.9	2.7	-
Envelopes	2642	39.9	39.0	41.0	41.0	-	2.1	2.0	2.7	2.9	-
Bags, except textile bags	2643	41.2	41.7	41.9	42.0	-	2.9	3.2	3.4	3.4	-
Paperboard containers and boxes	265	42.3	41.7	42.2	42.6	-	4.0	4.0	4.0	4.4	-
Folding paperboard boxes	2651	41.5	41.6	42.5	43.1	-	3.5	3.6	4.1	4.5	-
Corrugated and solid fiber boxes	2653	43.1	42.5	42.8	43.1	-	4.6	4.7	4.4	4.8	-
Sanitary food containers	2654	43.4	42.7	42.6	43.3	-	4.2	4.2	4.3	4.9	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^a	July 1984 ^a	June 1983	July 1983	May 1984	June 1984 ^a	July 1984 ^a
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$8.01	\$8.17	\$8.44	\$8.46	-	\$319.60	\$325.17	\$335.91	\$341.78	-
Cane and beet sugar	2061-3	9.52	9.84	9.83	9.96	-	396.98	416.23	411.88	420.31	-
Confectionery products	2065	6.98	7.03	7.35	7.39	-	270.82	270.66	285.92	291.17	-
Fats and oils	207	8.81	8.98	8.93	8.91	-	376.19	377.16	384.88	383.13	-
Beverages	208	10.39	10.45	11.00	11.05	-	423.91	434.72	444.40	459.68	-
Malt beverages	2082	13.93	14.02	15.11	15.16	-	590.63	619.68	648.22	664.01	-
Bottled and canned soft drinks	2086	7.90	7.94	8.28	8.45	-	320.74	327.92	328.72	350.68	-
Misc. food and kindred products	209	7.35	7.34	7.68	7.60	-	280.77	275.98	292.61	289.56	-
Tobacco manufactures	21	10.98	10.90	11.55	11.93	\$11.68	421.63	401.12	457.38	489.13	\$454.35
Cigarettes	211	12.56	12.40	13.52	13.86	-	484.82	455.08	539.45	575.19	-
Textile mill products	22	6.16	6.17	6.42	6.44	6.43	253.18	248.03	257.44	259.53	251.41
Weaving mills, cotton	221	6.46	6.45	6.73	6.77	-	265.51	260.58	265.84	270.80	-
Weaving mills, synthetics	222	6.57	6.62	6.93	6.91	-	272.66	272.08	282.05	282.62	-
Weaving and finishing mills, wool	223	6.51	6.54	6.80	6.83	-	268.21	260.95	284.92	284.13	-
Narrow fabric mills	224	5.84	5.84	6.03	6.05	-	238.27	234.77	246.02	244.42	-
Knitting mills	225	5.62	5.64	5.87	5.88	-	223.11	218.83	226.00	228.73	-
Women's hosiery, except socks	2251	5.42	5.45	5.65	5.65	-	220.59	222.36	214.14	215.83	-
Hosiery, nec	2252	5.44	5.41	5.56	5.57	-	217.06	212.61	205.72	215.00	-
Knit outerwear mills	2253	5.43	5.46	5.78	5.81	-	203.63	201.47	218.48	219.62	-
Knit underwear mills	2254	5.27	5.25	5.55	5.52	-	203.95	187.43	212.57	211.97	-
Circular knit fabric mills	2257	6.35	6.38	6.47	6.52	-	264.16	266.05	262.04	268.62	-
Textile finishing, except wool	226	6.60	6.54	6.77	6.80	-	280.50	258.33	280.28	280.16	-
Finishing plants, cotton	2261	6.64	6.61	6.84	6.82	-	287.51	262.42	282.49	278.26	-
Finishing plants, synthetics	2262	6.84	6.81	7.20	7.31	-	285.91	260.14	294.48	298.98	-
Floor covering mills	227	6.30	6.38	6.58	6.59	-	272.79	267.96	273.73	276.78	-
Yarn and thread mills	228	5.79	5.80	6.06	6.02	-	239.71	237.80	243.61	240.80	-
Yarn mills, except wool	2281	5.79	5.77	6.06	6.02	-	243.76	240.61	246.64	243.21	-
Throwing and winding mills	2282	5.63	5.68	5.90	5.86	-	216.19	213.57	221.84	220.34	-
Miscellaneous textile goods	229	6.85	6.86	7.07	7.15	-	289.07	285.38	301.18	307.45	-
Apparel and other textile products	23	5.37	5.35	5.48	5.51	5.51	196.54	193.14	200.02	202.77	199.46
Men's and boys' suits and coats	231	6.21	6.31	6.35	6.57	-	226.67	227.79	232.41	239.81	-
Men's and boys' furnishings	232	4.90	4.91	5.06	5.06	-	184.73	184.13	189.75	192.79	-
Men's and boys' shirts and nightwear	2321	4.72	4.73	4.87	4.85	-	176.06	174.06	181.16	184.79	-
Men's and boys' separate trousers	2327	4.98	5.03	5.18	5.13	-	183.26	189.13	193.21	194.43	-
Men's and boys' work clothing	2328	4.87	4.88	5.07	5.10	-	188.96	185.93	191.14	194.31	-
Women's and misses' outerwear	233	5.32	5.34	5.44	5.45	-	184.07	182.63	187.14	189.12	-
Women's and misses' blouses and waists	2331	4.93	4.85	5.01	5.02	-	174.52	171.69	173.85	175.70	-
Women's and misses' dresses	2335	5.51	5.63	5.67	5.69	-	180.73	181.29	185.98	185.49	-
Women's and misses' suits and coats	2337	5.92	5.98	6.10	6.09	-	207.20	207.51	208.01	216.80	-
Women's and misses' outerwear, nec	2339	5.07	5.06	5.20	5.19	-	181.51	178.11	186.16	186.32	-
Women's and children's undergarments	234	4.84	4.85	5.03	4.97	-	177.63	175.57	186.11	183.89	-
Women's and children's underwear	2341	4.75	4.75	4.91	4.87	-	175.28	174.33	181.18	180.68	-
Brassieres and allied garments	2342	5.28	5.38	5.61	5.48	-	187.97	181.84	208.69	199.47	-
Children's outerwear	236	4.79	4.76	4.92	4.98	-	175.79	170.41	179.09	186.25	-
Children's dresses and blouses	2361	4.79	4.74	4.90	4.96	-	173.40	167.80	175.91	180.54	-
Misc. apparel and accessories	238	5.33	5.28	5.33	5.32	-	191.88	190.61	200.41	199.50	-
Misc. fabricated textile products	239	6.38	6.22	6.45	6.52	-	252.01	236.98	248.97	254.28	-
Curtains and draperies	2391	4.82	4.88	5.22	5.18	-	189.91	183.49	196.79	195.80	-
House furnishings, nec	2392	5.39	5.37	5.58	5.63	-	208.59	202.99	210.92	214.50	-
Automotive and apparel trimmings	2396	10.62	10.11	10.02	10.26	-	447.10	396.31	409.82	434.00	-
Paper and allied products	26	9.92	10.07	10.34	10.42	10.53	425.57	429.99	443.59	449.10	453.84
Paper and pulp mills	261,2,6	11.66	11.90	12.23	12.43	-	521.20	531.93	550.35	559.35	-
Paper mills, except building paper	262	11.68	11.93	12.21	12.45	-	525.60	536.85	548.23	561.50	-
Paperboard mills	263	12.06	12.30	12.80	12.89	-	517.37	536.28	567.04	572.32	-
Misc. converted paper products	264	8.70	8.78	9.00	9.03	-	363.66	362.61	369.90	374.75	-
Paper coating and glazing	2641	9.75	9.84	10.35	10.36	-	419.25	423.12	431.60	438.23	-
Envelopes	2642	8.04	8.09	8.27	8.26	-	320.80	315.51	339.07	338.66	-
Bags, except textile bags	2643	8.14	8.19	8.47	8.45	-	335.37	341.52	354.89	354.90	-
Paperboard containers and boxes	265	8.64	8.67	8.87	8.92	-	365.47	361.54	374.31	379.99	-
Folding paperboard boxes	2651	8.94	8.95	9.20	9.26	-	371.01	372.32	391.00	399.11	-
Corrugated and solid fiber boxes	2653	8.95	8.98	9.14	9.20	-	385.75	381.65	391.19	396.52	-
Sanitary food containers	2654	8.27	8.22	8.63	8.62	-	358.92	350.99	367.64	373.25	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		June 1983	July 1983	May 1984	June 1984 ^a	July 1984 ^a	June 1983	July 1983	May 1984	June 1984 ^a	July 1984 ^a
Nondurable goods—Continued											
Printing and publishing	27	37.4	37.5	37.8	37.6	37.7	2.3	2.5	2.7	2.5	-
Newspapers	271	33.8	33.5	34.2	34.0	-	1.4	1.5	1.8	1.6	-
Periodicals	272	37.0	37.7	37.5	37.2	-	2.0	1.8	2.4	2.2	-
Books	273	38.2	38.1	40.0	38.6	-	2.4	2.7	3.3	2.3	-
Book publishing	2731	37.7	37.1	37.9	36.6	-	1.2	1.3	1.9	1.2	-
Book printing	2732	38.9	39.5	42.7	41.4	-	3.9	4.5	5.0	3.8	-
Miscellaneous publishing	274	36.3	36.0	36.6	36.7	-	1.7	1.7	1.6	1.7	-
Commercial printing	275	38.6	38.9	38.8	38.6	-	2.7	2.9	3.1	2.9	-
Commercial printing, letterpress	2751	38.3	38.7	38.5	38.5	-	2.4	2.6	2.7	2.6	-
Commercial printing, lithographic	2752	38.5	38.9	38.9	38.5	-	2.6	3.0	3.2	2.9	-
Manifold business forms	276	41.3	41.5	41.2	41.5	-	3.2	3.7	3.0	3.5	-
Blankbooks and bookbinding	278	38.8	38.7	39.2	39.6	-	1.8	1.8	2.1	2.2	-
Printing trade services	279	38.3	39.1	38.9	38.8	-	3.3	3.8	3.9	3.4	-
Chemicals and allied products	28	41.9	41.6	41.8	42.1	41.6	3.2	3.2	3.3	3.4	-
Industrial inorganic chemicals	281	41.7	41.8	42.3	42.4	-	2.9	3.0	3.3	3.4	-
Industrial inorganic chemicals, nec	2819	41.8	41.9	42.5	42.4	-	2.9	3.1	3.3	3.3	-
Plastics materials and synthetics	282	42.7	42.3	42.2	42.4	-	3.4	3.6	3.5	3.6	-
Plastics materials and resins	2821	43.0	43.0	43.3	43.6	-	4.2	4.6	4.8	5.0	-
Organic fibers, noncellulosic	2824	43.2	42.2	41.8	41.7	-	3.1	3.1	2.7	2.4	-
Drugs	283	41.5	40.8	40.1	41.1	-	2.6	2.6	2.4	2.7	-
Pharmaceutical preparations	2834	40.9	40.4	40.2	40.9	-	2.6	2.5	2.3	2.6	-
Soap, cleaners, and toilet goods	284	41.2	41.2	40.9	41.3	-	3.4	3.0	2.4	2.9	-
Soap and other detergents	2841	43.8	44.7	43.9	43.9	-	5.0	5.5	4.2	4.8	-
Toilet preparations	2844	40.0	39.4	39.1	39.5	-	2.8	1.8	1.4	1.7	-
Polishing, sanitation, and finishing preparations	2842,3	40.2	40.0	40.6	41.6	-	2.6	2.1	2.2	2.9	-
Paints and allied products	285	41.9	41.3	41.9	42.2	-	3.4	3.0	3.1	3.4	-
Industrial organic chemicals	286	42.6	42.7	43.3	43.3	-	3.6	3.7	4.0	4.0	-
Cyclic crudes and intermediates	2865	41.5	41.4	42.9	42.5	-	3.3	3.1	4.0	4.5	-
Gum, wood, and industrial organic chemicals, nec	2861,9	43.0	43.1	43.4	43.6	-	3.7	3.9	4.0	3.9	-
Agricultural chemicals	287	42.2	41.6	42.7	43.2	-	4.0	3.9	5.1	4.5	-
Miscellaneous chemical products	289	41.5	40.9	41.5	41.6	-	2.8	2.7	3.2	3.1	-
Petroleum and coal products	29	44.0	44.3	43.6	43.5	43.5	4.0	4.3	4.1	4.3	-
Petroleum refining	291	43.9	44.3	43.6	43.2	-	3.3	3.6	3.8	3.6	-
Paving and roofing materials	295	45.1	45.2	44.7	45.7	-	7.7	7.9	6.2	7.7	-
Rubber and misc. plastics products	30	41.3	40.9	41.7	41.8	41.2	3.5	3.5	3.7	3.8	-
Tires and inner tubes	301	41.5	42.6	44.7	45.0	-	3.1	4.8	4.6	5.2	-
Rubber and plastics footwear	302	38.6	39.0	40.0	39.7	-	1.7	1.2	3.1	2.8	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	41.0	41.0	42.4	42.3	-	3.0	3.2	4.2	3.8	-
Fabricated rubber products, nec	306	40.9	39.5	41.5	41.6	-	3.1	2.6	3.3	3.4	-
Miscellaneous plastics products	307	41.4	41.0	41.3	41.3	-	3.7	3.6	3.6	3.7	-
Leather and leather products	31	37.8	37.4	36.9	37.5	36.7	1.6	1.2	1.3	1.7	-
Leather tanning and finishing	311	40.9	40.2	40.1	40.7	-	3.7	3.0	3.0	3.5	-
Footwear, except rubber	314	37.5	37.2	36.4	37.0	-	1.4	.9	1.0	1.4	-
Men's footwear, except athletic	3143	38.2	37.5	36.4	36.7	-	1.0	.7	1.0	1.1	-
Women's footwear, except athletic	3144	37.4	37.0	36.3	37.3	-	1.7	1.2	1.1	1.8	-
Luggage	316	39.2	37.9	38.2	38.6	-	2.2	2.4	2.6	2.9	-
Handbags and personal leather goods	317	37.6	36.7	36.6	37.1	-	1.4	1.0	1.3	1.3	-
Transportation and public utilities		39.1	39.2	39.2	39.7	39.8	-	-	-	-	-
Railroad transportation:											
Class I railroads ²	4011	42.0	41.3	42.8	44.1	-	-	-	-	-	-
Local and interurban passenger transit	41	33.6	36.2	34.4	34.4	-	-	-	-	-	-
Local and suburban transportation	411	38.6	38.2	38.0	38.1	-	-	-	-	-	-
Intercity highway transportation	413	36.1	37.6	38.8	38.7	-	-	-	-	-	-
Trucking and warehousing	42	39.0	38.6	38.8	39.4	-	-	-	-	-	-
Trucking and trucking terminals	421,3	39.1	38.6	38.9	39.4	-	-	-	-	-	-
Public warehousing	422	37.8	38.1	38.2	38.9	-	-	-	-	-	-
Pipe lines, except natural gas	46	41.9	42.2	38.9	40.3	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^a	July 1984 ^a	June 1983	July 1983	May 1984	June 1984 ^a	July 1984 ^a
Nondurable goods—Continued											
Printing and publishing	27	\$9.05	\$9.09	\$9.31	\$9.29	\$9.35	\$338.47	\$340.88	\$351.92	\$349.30	\$352.50
Newspapers	271	9.12	9.14	9.43	9.37	-	308.26	306.19	322.51	318.58	-
Periodicals	272	9.45	9.53	9.96	9.98	-	349.65	359.28	373.50	371.26	-
Books	273	8.30	8.35	8.37	8.52	-	317.06	318.14	334.80	328.87	-
Book publishing	2731	7.94	7.93	8.04	8.23	-	299.34	294.20	304.72	301.22	-
Book printing	2732	8.77	8.87	8.74	8.86	-	341.15	350.37	373.20	366.80	-
Miscellaneous publishing	274	8.21	8.17	8.35	8.37	-	298.02	294.12	305.61	307.18	-
Commercial printing	275	9.36	9.42	9.56	9.53	-	361.30	366.44	370.93	367.86	-
Commercial printing, letterpress	2751	8.88	8.91	9.12	9.02	-	340.10	344.82	351.12	347.27	-
Commercial printing, lithographic	2752	9.49	9.56	9.75	9.75	-	365.37	371.88	379.28	375.38	-
Manifold business forms	276	9.24	9.32	9.44	9.57	-	381.61	386.78	388.93	397.16	-
Blankbooks and bookbinding	278	7.11	7.10	7.45	7.43	-	275.87	274.77	292.04	294.23	-
Printing trade services	279	10.67	10.67	11.36	11.32	-	408.66	417.20	441.90	439.22	-
Chemicals and allied products	28	10.52	10.59	11.02	11.05	11.14	440.79	440.54	460.64	465.21	463.42
Industrial inorganic chemicals	281	11.54	11.68	12.19	12.27	-	481.22	488.22	515.64	520.25	-
Industrial inorganic chemicals, nec	2819	11.58	11.77	12.18	12.30	-	484.04	493.16	517.65	521.52	-
Plastics materials and synthetics	282	10.56	10.57	11.01	11.08	-	450.91	447.11	464.62	469.79	-
Plastics materials and resins	2821	11.48	11.54	11.97	11.97	-	493.64	496.22	518.30	521.89	-
Organic fibers, noncellulosic	2824	10.12	10.07	10.54	10.65	-	437.18	424.95	440.57	444.11	-
Drugs	283	9.53	9.71	10.25	10.26	-	395.50	396.17	411.03	421.69	-
Pharmaceutical preparations	2834	9.27	9.38	9.92	9.96	-	379.14	378.95	398.78	407.36	-
Soap, cleaners, and toilet goods	284	9.68	9.62	9.89	9.92	-	398.82	396.34	404.50	409.70	-
Soap and other detergents	2841	12.55	12.57	12.72	12.98	-	549.69	561.88	558.41	569.82	-
Toilet preparations	2844	7.89	7.71	8.18	8.08	-	315.60	303.77	319.84	319.16	-
Polishing, sanitation, and finishing preparations	2842,3	9.07	8.98	9.27	9.36	-	364.61	359.20	376.36	389.38	-
Paints and allied products	285	9.33	9.25	9.68	9.71	-	390.93	382.03	405.59	409.76	-
Industrial organic chemicals	286	12.74	12.74	13.41	13.44	-	542.72	544.00	580.65	581.95	-
Cyclic crudes and intermediates	2865	11.91	11.99	12.72	12.83	-	494.27	496.39	545.69	545.28	-
Gum, wood, and industrial organic chemicals, nec	2861,9	12.99	12.96	13.62	13.62	-	558.57	558.58	591.11	593.83	-
Agricultural chemicals	287	9.96	10.37	10.40	10.45	-	420.31	431.39	444.08	451.44	-
Miscellaneous chemical products	289	9.60	9.68	9.93	9.98	-	398.40	395.91	412.10	415.17	-
Petroleum and coal products	29	13.19	13.22	13.32	13.33	13.49	580.36	585.65	580.75	579.86	586.82
Petroleum refining	291	14.27	14.30	14.48	14.53	-	626.45	633.49	631.33	627.70	-
Paving and roofing materials	295	9.81	9.92	9.92	10.02	-	442.43	448.38	443.42	457.91	-
Rubber and misc. plastics products	30	7.93	8.02	8.20	8.24	8.31	327.51	328.02	341.94	344.43	342.37
Tires and inner tubes	301	12.20	12.46	12.87	12.87	-	506.30	530.80	575.29	579.15	-
Rubber and plastics footwear	302	5.05	5.11	5.27	5.30	-	194.93	199.29	210.80	210.41	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	8.19	8.17	8.26	8.35	-	335.79	334.97	350.22	353.21	-
Fabricated rubber products, nec	306	7.66	7.67	7.95	8.00	-	313.29	302.97	329.93	332.80	-
Miscellaneous plastics products	307	7.30	7.34	7.53	7.55	-	302.22	300.94	310.99	311.82	-
Leather and leather products	31	5.50	5.53	5.68	5.68	5.71	207.90	206.82	209.59	213.00	209.56
Leather tanning and finishing	311	7.48	7.50	7.49	7.50	-	305.93	301.50	300.35	305.25	-
Footwear, except rubber	314	5.24	5.28	5.40	5.40	-	196.50	196.42	196.56	199.80	-
Men's footwear, except athletic	3143	5.48	5.46	5.70	5.70	-	209.34	204.75	207.48	209.19	-
Women's footwear, except athletic	3144	5.11	5.22	5.20	5.22	-	191.11	193.14	188.76	194.71	-
Luggage	316	6.03	6.11	6.28	6.17	-	236.38	231.57	239.90	238.16	-
Handbags and personal leather goods	317	5.14	5.17	5.54	5.57	-	193.26	189.74	202.76	206.65	-
Transportation and public utilities		10.72	10.84	11.03	11.08	11.23	419.15	424.93	432.38	439.88	446.95
Railroad transportation:											
Class I railroads ²	4011	12.63	13.09	13.18	13.36	-	530.46	540.62	564.10	589.18	-
Local and interurban passenger transit	41	7.55	7.85	7.56	7.74	-	253.68	284.17	260.06	266.26	-
Local and suburban transportation	411	8.04	8.09	8.15	8.19	-	310.34	309.04	309.70	312.04	-
Intercity highway transportation	413	11.91	12.02	11.53	11.55	-	429.95	451.95	447.36	446.99	-
Trucking and warehousing	42	10.35	10.32	10.49	10.45	-	403.65	398.35	407.01	411.73	-
Trucking and trucking terminals	421,3	10.53	10.50	10.67	10.61	-	411.72	405.30	415.06	418.03	-
Public warehousing	422	7.62	7.62	7.85	7.90	-	288.04	290.32	299.87	307.31	-
Pipe lines, except natural gas	46	14.03	14.13	14.77	14.71	-	587.86	596.29	574.55	592.81	-

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				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Transportation and public utilities—Continued											
Communication	48	39.5	39.8	39.7	40.0	-	-	-	-	-	-
Telephone communication	481	39.9	40.4	40.1	40.6	-	-	-	-	-	-
Radio and television broadcasting	483	37.4	37.7	37.2	37.4	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.3	41.4	41.3	41.5	-	-	-	-	-	-
Electric services	491	41.6	41.5	41.6	41.8	-	-	-	-	-	-
Gas production and distribution	492	40.9	40.6	40.8	41.2	-	-	-	-	-	-
Combination utility services	493	41.2	42.0	41.2	41.4	-	-	-	-	-	-
Sanitary services	495	41.9	42.0	42.0	41.7	-	-	-	-	-	-
Wholesale trade		38.6	38.6	38.6	38.7	38.8	-	-	-	-	-
Durable goods	50	39.0	39.0	39.1	39.3	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	38.9	38.8	39.2	39.4	-	-	-	-	-	-
Furniture and home furnishings	502	37.0	36.9	37.7	37.8	-	-	-	-	-	-
Lumber and construction materials	503	39.5	39.6	39.2	39.5	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	38.2	37.8	38.4	38.4	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.2	39.5	40.5	40.9	-	-	-	-	-	-
Electrical goods	506	38.9	38.8	38.8	38.9	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.8	38.8	38.8	38.5	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.4	39.4	39.5	39.7	-	-	-	-	-	-
Miscellaneous durable goods	509	37.6	37.6	38.2	38.0	-	-	-	-	-	-
Nondurable goods	51	38.0	38.2	37.9	37.9	-	-	-	-	-	-
Paper and paper products	511	37.0	37.1	36.8	37.1	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.7	37.8	37.3	37.5	-	-	-	-	-	-
Apparel, piece goods, and notions	513	37.0	36.9	36.4	36.3	-	-	-	-	-	-
Groceries and related products	514	38.7	39.0	38.3	38.7	-	-	-	-	-	-
Chemicals and allied products	516	39.3	39.5	39.0	39.0	-	-	-	-	-	-
Petroleum and petroleum products	517	39.3	39.2	39.2	39.3	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	36.1	36.3	36.1	36.7	-	-	-	-	-	-
Miscellaneous nondurable goods	519	37.8	37.5	38.0	37.4	-	-	-	-	-	-
Retail trade		30.1	30.6	30.0	30.4	30.8	-	-	-	-	-
Building materials and garden supplies	52	36.1	36.4	36.5	36.9	-	-	-	-	-	-
Lumber and other building materials	521	37.1	37.3	38.3	39.0	-	-	-	-	-	-
Hardware stores	525	34.2	34.5	32.8	33.4	-	-	-	-	-	-
General merchandise stores	53	29.7	30.2	29.3	29.9	-	-	-	-	-	-
Department stores	531	29.6	30.1	29.3	29.9	-	-	-	-	-	-
Variety stores	533	30.2	30.6	29.1	30.0	-	-	-	-	-	-
Misc. general merchandise stores	539	30.7	31.2	30.1	30.4	-	-	-	-	-	-
Food stores	54	31.1	31.6	30.6	31.4	-	-	-	-	-	-
Grocery stores	541	31.3	31.9	30.8	31.6	-	-	-	-	-	-
Retail bakeries	546	28.2	28.4	28.5	28.7	-	-	-	-	-	-
Automotive dealers and service stations	55	37.1	37.2	37.0	37.4	-	-	-	-	-	-
New and used car dealers	551,2	38.1	37.9	38.0	38.0	-	-	-	-	-	-
Auto and home supply stores	553	39.5	39.9	40.2	40.7	-	-	-	-	-	-
Gasoline service stations	554	34.8	35.2	34.3	34.7	-	-	-	-	-	-
Apparel and accessory stores	56	28.5	28.8	27.8	28.6	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	30.9	31.6	30.3	31.2	-	-	-	-	-	-
Women's ready-to-wear stores	562	27.8	28.2	27.0	27.7	-	-	-	-	-	-
Family clothing stores	565	28.6	28.6	28.2	28.8	-	-	-	-	-	-
Shoe stores	566	28.4	28.6	27.2	28.4	-	-	-	-	-	-
Furniture and home furnishings stores	57	34.4	34.8	34.0	34.4	-	-	-	-	-	-
Furniture and home furnishings stores	571	34.2	34.6	34.1	34.4	-	-	-	-	-	-
Household appliance stores	572	34.4	34.6	34.5	34.9	-	-	-	-	-	-
Radio, television, and music stores	573	35.0	35.4	33.6	34.2	-	-	-	-	-	-
Eating and drinking places ³	58	26.5	27.2	26.5	26.7	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Transportation and public utilities—Continued											
Communication	48	\$10.71	\$10.79	\$11.14	\$11.19	-	\$423.05	\$429.44	\$442.26	\$447.60	-
Telephone communication	481	11.32	11.38	11.76	11.84	-	451.67	459.75	471.58	480.70	-
Radio and television broadcasting	483	8.88	9.01	9.66	9.62	-	332.11	339.68	359.35	359.79	-
Electric, gas, and sanitary services	49	11.38	11.45	12.07	12.03	-	469.99	474.03	498.49	499.25	-
Electric services	491	11.49	11.55	12.15	12.15	-	477.98	479.33	505.44	507.87	-
Gas production and distribution	492	10.27	10.38	11.09	10.90	-	420.04	421.43	452.47	449.08	-
Combination utility services	493	13.12	13.39	14.00	13.98	-	540.54	562.38	576.80	578.77	-
Sanitary services	495	8.98	8.90	9.07	9.12	-	376.26	373.80	380.94	380.30	-
Wholesale trade		8.49	8.56	8.86	8.89	\$8.98	327.71	330.42	342.00	344.04	\$348.42
Durable goods	50	8.45	8.52	8.83	8.87	-	329.55	332.28	345.25	348.59	-
Motor vehicles and automotive equipment	501	7.74	7.80	8.10	8.10	-	301.09	302.64	317.52	319.14	-
Furniture and home furnishings	502	7.54	7.51	7.87	7.93	-	278.98	277.12	296.70	299.75	-
Lumber and construction materials	503	8.18	8.25	8.47	8.48	-	323.11	326.70	332.02	334.96	-
Sporting goods, toys, and hobby goods	504	8.75	8.76	9.44	9.79	-	334.25	331.13	362.50	375.94	-
Metals and minerals, except petroleum	505	9.12	9.17	9.57	9.59	-	366.62	362.22	387.59	392.23	-
Electrical goods	506	9.09	9.25	9.12	9.09	-	353.60	358.90	353.86	353.60	-
Hardware, plumbing, and heating equipment	507	7.96	7.99	8.37	8.42	-	308.85	310.01	324.76	324.17	-
Machinery, equipment, and supplies	508	8.75	8.81	9.26	9.31	-	344.75	347.11	365.77	369.61	-
Miscellaneous durable goods	509	7.23	7.31	7.49	7.50	-	271.85	274.86	286.12	285.00	-
Nondurable goods	51	8.55	8.62	8.91	8.93	-	324.90	329.28	337.69	338.45	-
Paper and paper products	511	9.11	9.24	9.61	9.41	-	337.07	342.80	353.65	349.11	-
Drugs, proprietaries, and sundries	512	9.28	9.33	9.64	9.80	-	349.86	352.67	359.57	367.50	-
Apparel, piece goods, and notions	513	8.17	8.25	8.64	8.62	-	302.29	304.43	314.50	312.91	-
Groceries and related products	514	8.64	8.73	9.10	9.08	-	334.37	340.47	348.53	351.40	-
Chemicals and allied products	516	9.86	9.86	10.29	10.45	-	387.50	389.47	401.31	407.55	-
Petroleum and petroleum products	517	10.09	10.18	10.01	10.03	-	396.54	399.06	392.39	394.18	-
Beer, wine, and distilled beverages	518	10.42	10.44	10.71	10.78	-	376.16	378.97	386.63	395.63	-
Miscellaneous nondurable goods	519	6.89	6.89	7.24	7.25	-	260.44	258.38	275.12	271.15	-
Retail trade		5.73	5.73	5.88	5.87	5.87	172.47	175.34	176.40	178.45	180.80
Building materials and garden supplies	52	6.19	6.23	6.43	6.42	-	223.46	226.77	234.70	236.90	-
Lumber and other building materials	521	6.45	6.46	6.72	6.68	-	239.30	240.96	257.38	260.52	-
Hardware stores	525	5.46	5.48	5.57	5.58	-	186.73	189.06	182.70	186.37	-
General merchandise stores	53	5.60	5.61	5.74	5.69	-	166.32	169.42	168.18	170.13	-
Department stores	531	5.82	5.83	5.94	5.89	-	172.27	175.48	174.04	176.11	-
Variety stores	533	4.38	4.38	4.52	4.48	-	132.28	134.03	131.53	134.40	-
Misc. general merchandise stores	539	4.52	4.55	4.59	4.56	-	138.76	141.96	138.16	138.62	-
Food stores	54	7.48	7.50	7.69	7.67	-	232.63	237.00	235.31	240.84	-
Grocery stores	541	7.74	7.76	7.97	7.94	-	242.26	247.54	245.48	250.90	-
Retail bakeries	546	5.17	5.11	5.23	5.28	-	145.79	145.12	149.06	151.54	-
Automotive dealers and service stations	55	6.84	6.87	7.09	7.15	-	253.76	255.56	262.33	267.41	-
New and used car dealers	551,2	8.21	8.30	8.53	8.68	-	312.80	314.57	324.14	329.84	-
Auto and home supply stores	553	6.18	6.22	6.43	6.42	-	244.11	248.19	258.49	261.29	-
Gasoline service stations	554	5.21	5.17	5.27	5.24	-	181.31	181.98	180.76	181.83	-
Apparel and accessory stores	56	5.03	4.99	5.14	5.13	-	143.36	143.71	142.89	146.72	-
Men's and boys' clothing and furnishings	561	5.75	5.74	5.86	5.82	-	177.68	181.38	177.56	181.58	-
Women's ready-to-wear stores	562	4.70	4.66	4.93	4.88	-	130.66	131.41	133.11	135.18	-
Family clothing stores	565	4.95	4.97	4.95	5.08	-	141.57	142.14	139.59	146.30	-
Shoe stores	566	5.24	5.15	5.22	5.17	-	148.82	147.29	141.98	146.83	-
Furniture and home furnishings stores	57	6.59	6.64	6.84	6.85	-	226.70	231.07	232.56	235.64	-
Furniture and home furnishings stores	571	6.49	6.48	6.78	6.77	-	221.96	224.21	231.20	232.89	-
Household appliance stores	572	6.94	7.08	7.03	7.04	-	238.74	244.97	242.54	245.70	-
Radio, television, and music stores	573	6.61	6.77	6.88	6.91	-	231.35	239.66	231.17	236.32	-
Eating and drinking places ³	58	4.27	4.26	4.31	4.31	-	113.16	115.87	114.22	115.08	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Retail trade—Continued											
Miscellaneous retail	59	30.9	31.3	31.2	31.3	-	-	-	-	-	-
Drug stores and proprietary stores	591	28.8	29.2	29.4	30.1	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	29.9	30.5	29.5	30.0	-	-	-	-	-	-
Nonstore retailers	596	33.4	33.6	33.7	33.8	-	-	-	-	-	-
Fuel and ice dealers	598	37.5	37.6	37.4	37.7	-	-	-	-	-	-
Retail stores, nec	599	33.0	32.9	34.0	32.5	-	-	-	-	-	-
Finance, insurance, and real estate¹		36.1	36.3	36.3	36.3	36.6	-	-	-	-	-
Banking	60	36.3	36.5	36.4	36.4	-	-	-	-	-	-
Commercial and stock savings banks	602	36.3	36.5	36.3	36.4	-	-	-	-	-	-
Credit agencies other than banks	61	36.9	37.1	36.9	36.7	-	-	-	-	-	-
Savings and loan associations	612	36.2	36.5	36.3	36.5	-	-	-	-	-	-
Personal credit institutions	614	37.5	37.7	36.8	36.6	-	-	-	-	-	-
Insurance carriers	63	37.1	37.1	37.2	37.2	-	-	-	-	-	-
Life insurance	631	36.7	36.7	37.0	37.0	-	-	-	-	-	-
Medical service and health insurance	632	37.7	37.4	37.8	37.9	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	37.1	37.0	36.9	37.0	-	-	-	-	-	-
Services		32.9	33.1	32.6	32.9	33.2	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	31.0	31.3	30.8	31.1	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	34.0	33.7	34.5	34.1	-	-	-	-	-	-
Beauty shops ³	723	28.7	28.7	29.6	29.5	-	-	-	-	-	-
Business services	73	33.4	33.5	33.4	33.7	-	-	-	-	-	-
Advertising	731	36.3	36.2	35.8	35.8	-	-	-	-	-	-
Services to buildings	734	28.1	28.1	29.0	29.1	-	-	-	-	-	-
Computer and data processing services	737	38.5	38.5	38.5	38.8	-	-	-	-	-	-
Auto repair, services, and garages	75	38.0	38.0	38.2	38.5	-	-	-	-	-	-
Automotive repair shops	753	39.2	39.0	39.5	39.6	-	-	-	-	-	-
Miscellaneous repair services	76	38.9	38.5	38.5	39.0	-	-	-	-	-	-
Motion pictures	78	28.6	29.0	28.3	30.0	-	-	-	-	-	-
Motion picture production and services	781	38.7	39.5	39.0	39.4	-	-	-	-	-	-
Amusement and recreation services	79	31.4	32.5	29.7	31.4	-	-	-	-	-	-
Health services	80	32.7	32.9	32.3	32.5	-	-	-	-	-	-
Offices of physicians	801	31.3	31.2	30.7	30.7	-	-	-	-	-	-
Offices of dentists	802	28.1	27.9	28.5	28.4	-	-	-	-	-	-
Nursing and personal care facilities	805	31.3	31.9	31.0	31.2	-	-	-	-	-	-
Hospitals	806	34.3	34.6	33.9	34.1	-	-	-	-	-	-
Legal services	81	34.7	35.0	34.4	34.5	-	-	-	-	-	-
Miscellaneous services	89	38.6	38.7	38.7	38.8	-	-	-	-	-	-
Engineering and architectural services	891	39.8	39.8	40.0	40.1	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	37.8	37.9	37.1	37.4	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$5.65	\$5.65	\$5.81	\$5.79	-	\$174.59	\$176.85	\$181.27	\$181.23	-
Drug stores and proprietary stores	591	5.31	5.37	5.39	5.35	-	152.93	156.80	158.47	161.04	-
Miscellaneous shopping goods stores	594	5.30	5.31	5.53	5.49	-	158.47	161.96	163.14	164.70	-
Nonstore retailers	596	6.23	6.20	6.34	6.35	-	208.08	208.32	213.66	214.63	-
Fuel and ice dealers	598	7.60	7.59	8.03	8.06	-	285.00	285.38	300.32	303.86	-
Retail stores, nec	599	5.87	5.86	6.01	6.08	-	193.71	192.79	204.34	197.60	-
Finance, insurance, and real estate⁴		7.25	7.29	7.55	7.57	\$7.63	261.73	264.63	274.07	274.79	\$279.26
Banking	60	6.20	6.26	6.48	6.51	-	225.06	228.49	235.87	236.96	-
Commercial and stock savings banks	602	6.07	6.14	6.33	6.38	-	220.34	224.11	229.78	232.23	-
Credit agencies other than banks	61	6.42	6.46	6.78	6.81	-	236.90	239.67	250.18	249.93	-
Savings and loan associations	612	5.81	5.88	6.14	6.17	-	210.32	214.62	222.88	225.21	-
Personal credit institutions	614	6.46	6.50	6.59	6.66	-	242.25	245.05	242.51	243.76	-
Insurance carriers	63	8.11	8.16	8.51	8.46	-	300.88	302.74	316.57	314.71	-
Life insurance	631	8.13	8.18	8.54	8.42	-	298.37	300.21	315.98	311.54	-
Medical service and health insurance	632	7.74	7.80	8.19	8.18	-	291.80	291.72	309.58	310.02	-
Fire, marine, and casualty insurance	633	8.15	8.20	8.53	8.54	-	302.37	303.40	314.76	315.98	-
Services		7.24	7.24	7.55	7.54	7.59	238.20	239.64	246.13	248.07	251.99
Hotels and other lodging places:											
Hotels, motels, and tourist courts ³	701	5.24	5.22	5.41	5.41	-	162.44	163.39	166.63	168.25	-
Personal services:											
Laundry, cleaning, and garment services	721	5.42	5.41	5.58	5.60	-	184.28	182.32	192.51	190.96	-
Beauty shops ³	723	5.45	5.50	5.63	5.76	-	156.42	157.85	166.65	169.92	-
Business services	73	7.62	7.65	7.86	7.87	-	254.51	256.28	262.52	265.22	-
Advertising	731	9.82	9.90	10.47	10.39	-	356.47	358.38	374.83	371.96	-
Services to buildings	734	5.96	6.07	6.16	6.20	-	167.48	170.57	178.64	180.42	-
Computer and data processing services	737	10.05	10.11	10.60	10.64	-	386.93	389.24	408.10	412.83	-
Auto repair, services, and garages	75	6.92	6.93	7.10	7.09	-	262.96	263.34	271.22	272.97	-
Automotive repair shops	753	7.46	7.49	7.71	7.74	-	292.43	292.11	304.55	306.50	-
Miscellaneous repair services	76	8.16	8.24	8.78	8.76	-	317.42	317.24	338.03	341.64	-
Motion pictures	78	9.78	9.66	10.80	10.44	-	279.71	280.14	305.64	313.20	-
Motion picture production and services	781	13.91	13.86	14.96	15.10	-	538.32	547.47	583.44	594.94	-
Amusement and recreation services	79	6.34	6.11	6.65	6.43	-	199.08	198.58	197.51	201.90	-
Health services	80	7.34	7.40	7.67	7.69	-	240.02	243.46	247.74	249.93	-
Offices of physicians	801	7.15	7.25	7.47	7.52	-	223.80	226.20	229.33	230.86	-
Offices of dentists	802	7.09	7.09	7.34	7.39	-	199.23	197.81	209.19	209.88	-
Nursing and personal care facilities	805	5.17	5.22	5.37	5.37	-	161.82	166.52	166.47	167.54	-
Hospitals	806	8.08	8.14	8.48	8.51	-	277.14	281.64	287.47	290.19	-
Legal services	81	9.24	9.28	9.60	9.75	-	320.63	324.80	330.24	336.38	-
Miscellaneous services	89	10.59	10.68	11.04	11.00	-	408.77	413.32	427.25	426.80	-
Engineering and architectural services	891	11.34	11.37	11.83	11.72	-	451.33	452.53	473.20	469.97	-
Accounting, auditing, and bookkeeping	893	8.96	9.13	9.32	9.35	-	338.69	346.03	345.77	349.69	-

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

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

³ Money payments only; tips, not included.

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

division.

- Data not available.

^p = preliminary.

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

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Manufacturing	\$8.48	\$8.53	\$8.76	\$8.77	\$8.81
Durable goods	9.02	9.06	9.27	9.29	9.30
Lumber and wood products	7.52	7.51	7.61	7.71	(²)
Furniture and fixtures	6.41	6.47	6.60	6.64	(²)
Stone, clay, and glass products	8.81	8.85	9.02	9.04	(²)
Primary metal industries	10.85	10.96	10.97	10.94	(²)
Fabricated metal products	8.77	8.77	8.95	8.94	(²)
Machinery, except electrical	9.26	9.29	9.50	9.52	(²)
Electrical and electronic equipment	8.35	8.42	8.58	8.59	(²)
Transportation equipment	11.09	11.09	11.44	11.51	(²)
Instruments and related products	8.21	8.30	8.47	8.52	(²)
Miscellaneous manufacturing	6.63	6.66	6.82	6.81	(²)
Nondurable goods	7.75	7.82	8.00	8.02	\$8.09
Food and kindred products	7.86	7.83	8.08	8.05	(²)
Tobacco manufactures	10.74	10.72	11.36	11.58	(²)
Textile mill products	5.89	5.91	6.16	6.17	(²)
Apparel and other textile products	5.27	5.27	5.38	5.41	(²)
Paper and allied products	9.41	9.53	9.79	9.86	(²)
Printing and publishing	8.78	8.79	8.99	9.00	(²)
Chemicals and allied products	10.13	10.20	10.61	10.62	(²)
Petroleum and coal products	12.61	12.60	12.71	12.70	(²)
Rubber and misc. plastics products	7.61	7.69	7.85	7.88	(²)
Leather and leather products	5.39	5.44	5.58	5.55	(²)

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

² Not available.

^p = preliminary.

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

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

Industry	Average hourly earnings					Average weekly earnings				
	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p	June 1983	July 1983	May 1984	June 1984 ^p	July 1984 ^p
Total private:										
Current dollars	\$7.98	\$8.01	\$8.28	\$8.30	\$8.34	\$280.90	\$282.75	\$291.46	\$294.65	\$297.74
Constant (1977) dollars	4.87	4.88	4.92	4.92	(²)	171.59	172.09	173.18	174.66	(²)
Mining:										
Current dollars	11.22	11.27	11.56	11.58	\$11.62	476.85	474.47	499.39	503.73	\$501.98
Constant (1977) dollars	6.85	6.86	6.87	6.87	(²)	291.30	288.78	296.73	298.60	(²)
Construction:										
Current dollars	11.77	11.80	11.99	11.94	\$11.97	446.08	450.76	458.02	462.08	\$463.24
Constant (1977) dollars	7.19	7.18	7.12	7.08	(²)	272.50	274.35	272.14	273.91	(²)
Manufacturing:										
Current dollars	8.79	8.84	9.11	9.14	\$9.17	354.24	353.60	369.87	372.91	\$370.47
Constant (1977) dollars	5.37	5.38	5.41	5.42	(²)	216.40	215.22	219.77	221.05	(²)
Transportation and public utilities:										
Current dollars	10.72	10.84	11.03	11.08	\$11.23	419.15	424.93	432.38	439.88	\$446.95
Constant (1977) dollars	6.55	6.60	6.55	6.57	(²)	256.05	258.63	256.91	260.75	(²)
Wholesale trade:										
Current dollars	8.49	8.56	8.86	8.89	\$8.98	327.71	330.42	342.00	344.04	\$348.42
Constant (1977) dollars	5.19	5.21	5.26	5.27	(²)	200.19	201.11	203.21	203.94	(²)
Retail trade:										
Current dollars	5.73	5.73	5.88	5.87	\$5.87	172.47	175.34	176.40	178.45	\$180.80
Constant (1977) dollars	3.50	3.49	3.49	3.48	(²)	105.36	106.72	104.81	105.78	(²)
Finance, insurance, and real estate:										
Current dollars	7.25	7.29	7.55	7.57	\$7.63	261.73	264.63	274.07	274.79	\$279.26
Constant (1977) dollars	4.43	4.44	4.48	4.49	(²)	159.88	161.07	162.85	162.89	(²)
Services:										
Current dollars	7.24	7.24	7.55	7.54	\$7.59	238.20	239.64	246.13	248.07	\$251.99
Constant (1977) dollars	4.42	4.41	4.48	4.47	(²)	145.51	145.86	146.24	147.05	(²)

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

² Not available.

^p = preliminary.

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

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

Industry	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
Total private	35.0	35.0	35.2	35.2	35.2	35.2	35.4	35.3	35.3	35.4	35.3	35.3	35.3
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Manufacturing	40.2	40.3	40.7	40.6	40.6	40.6	40.9	40.9	40.7	41.1	40.6	40.5	40.6
<i>Overtime hours</i>	3.0	3.0	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.7	3.3	3.3	3.4
Durable goods	40.8	40.8	41.4	41.2	41.3	41.3	41.6	41.7	41.4	41.8	41.3	41.2	41.4
<i>Overtime hours</i>	3.0	3.0	3.3	3.4	3.5	3.5	3.7	3.8	3.7	4.0	3.5	3.5	3.6
Lumber and wood products	40.0	40.2	40.4	40.5	40.0	40.0	40.6	40.4	40.1	40.4	39.6	39.4	39.4
Furniture and fixtures	39.7	39.7	40.0	39.8	39.8	40.1	40.0	39.9	39.6	39.7	39.7	39.1	39.7
Stone, clay, and glass products	41.6	41.7	42.0	41.8	41.8	41.9	42.1	42.5	41.9	42.3	42.1	41.7	41.9
Primary metal industries	40.7	40.9	41.2	41.6	41.7	41.8	41.9	42.0	41.8	42.2	42.1	41.8	41.8
Blast furnaces and basic steel products ..	39.9	40.1	40.5	40.8	40.8	41.2	41.0	41.3	41.2	41.0	41.6	41.3	40.7
Fabricated metal products	40.7	40.8	41.4	41.2	41.4	41.4	41.6	41.8	41.3	41.8	41.4	41.3	41.3
Machinery, except electrical	40.6	40.6	41.1	41.2	41.3	41.5	41.8	41.9	41.9	42.3	41.9	42.0	41.9
Electrical and electronic equipment	40.7	40.7	41.2	41.1	41.1	41.0	41.2	41.2	41.0	41.3	41.0	40.8	41.1
Transportation equipment	42.0	41.9	43.3	42.5	42.6	42.4	43.2	43.1	42.9	43.5	42.4	42.3	42.6
Motor vehicles and equipment	42.9	43.1	45.1	44.1	44.1	43.9	44.8	44.3	44.4	44.8	42.9	43.1	43.1
Instruments and related products	40.5	40.4	40.8	40.7	40.7	40.8	41.3	41.2	41.1	41.4	40.7	41.2	41.1
Miscellaneous manufacturing	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Nondurable goods	39.5	39.6	39.9	39.7	39.8	39.7	39.9	39.9	39.8	40.2	39.6	39.6	39.5
<i>Overtime hours</i>	3.0	3.1	3.1	3.1	3.1	3.2	3.3	3.3	3.3	3.4	3.1	3.1	3.1
Food and kindred products	39.4	39.6	39.8	39.6	39.6	39.5	39.7	39.7	39.8	40.1	39.7	39.8	39.7
Tobacco manufactures	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Textile mill products	40.8	40.9	41.3	40.8	40.6	40.7	40.6	40.8	40.6	41.2	40.0	39.9	39.6
Apparel and other textile products	35.9	36.3	36.7	36.6	36.7	36.6	36.6	36.9	36.7	37.4	36.5	36.4	36.0
Paper and allied products	42.9 ¹	42.9	43.2	43.2	43.1	43.1	43.2	43.2	43.0	43.2	43.1	42.9	43.2
Printing and publishing	37.6	37.6	37.8	37.9	37.9	37.7	37.9	37.9	37.9	38.2	38.0	37.7	37.8
Chemicals and allied products	41.8	41.7	41.7	41.7	41.9	41.9	42.1	42.1	42.0	42.0	41.8	42.0	41.8
Petroleum and coal products	43.8	43.5	43.2	43.6	43.7	44.6	44.8	44.5	44.7	43.7	43.5	43.1	43.0
Rubber and misc. plastics products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Leather and leather products	37.2	37.1	37.8	37.3	37.2	37.1	37.3	37.2	36.7	37.5	36.5	36.5	36.4
Transportation and public utilities	39.0	39.2	39.3	39.4	39.2	39.4	39.5	39.3	39.2	39.5	39.4	39.5	39.6
Wholesale trade	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.5	38.5	38.7	38.6	38.6	38.6
Retail trade	29.8	29.8	29.8	30.0	30.0	30.3	30.1	30.0	30.1	30.0	30.1	30.2	30.0
Finance, insurance, and real estate	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Services	32.7	32.6	32.7	32.8	32.7	32.6	32.8	32.7	32.8	32.8	32.7	32.7	32.8

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

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

components and consequently cannot be separated with sufficient precision.
^p = preliminary.

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

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

(1977 = 100)

Industry	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
Total private	106.1	105.3	107.6	108.3	108.7	109.4	110.3	110.9	110.9	112.0	112.0	112.6	112.9
Goods-producing	91.6	92.4	93.9	94.6	95.6	96.2	97.9	99.2	98.1	100.1	99.5	100.0	100.6
Mining	105.7	106.7	107.8	109.6	109.7	110.4	111.5	112.1	111.7	114.7	115.5	116.2	116.5
Construction	102.0	103.7	105.0	104.1	105.5	105.7	110.3	114.1	107.7	112.6	113.7	116.9	116.4
Manufacturing	88.9	89.5	91.1	92.1	93.0	93.7	94.9	95.7	95.7	97.0	96.0	96.0	96.8
Durable goods	85.8	86.5	88.5	89.9	91.0	92.0	93.4	94.4	94.5	95.8	95.0	95.2	96.3
Lumber and wood products	90.4	92.4	93.6	95.3	95.0	95.6	97.4	97.4	97.8	98.6	96.1	96.0	95.5
Furniture and fixtures	96.2	96.2	97.4	98.3	99.6	101.2	102.0	102.8	102.8	103.1	102.5	101.5	103.6
Stone, clay, and glass products	82.6	83.8	85.0	85.5	86.1	86.5	87.1	89.3	88.2	89.2	89.0	88.3	89.3
Primary metal industries	66.8	67.6	68.9	71.2	72.0	73.0	72.8	73.5	73.2	74.1	74.8	73.9	74.3
Blast furnaces and basic steel products	59.0	59.5	60.6	62.2	62.9	63.5	62.3	62.6	62.4	62.3	63.7	62.7	61.3
Fabricated metal products	82.3	83.6	85.3	86.3	87.5	88.5	89.5	90.4	89.9	91.5	91.3	91.8	92.5
Machinery, except electrical	82.6	83.5	84.9	86.3	88.2	89.5	91.1	92.3	93.3	95.2	95.3	96.5	97.6
Electrical and electronic equipment	100.3	100.2	104.1	105.6	107.2	108.0	109.6	111.2	112.2	113.6	113.2	113.2	116.3
Transportation equipment	84.9	85.7	88.9	89.9	91.1	92.1	95.1	95.9	95.5	96.8	94.1	94.5	95.4
Motor vehicles and equipment	75.9	78.9	82.9	84.2	85.6	88.8	93.0	92.3	91.8	91.8	86.3	87.2	87.5
Instruments and related products	102.4	103.0	105.1	105.9	106.4	106.4	108.5	108.8	108.8	109.3	107.7	109.3	109.3
Miscellaneous manufacturing	81.0	80.8	80.8	82.6	83.3	84.6	85.0	86.5	85.8	86.5	85.3	84.6	86.4
Nondurable goods	93.6	94.0	95.0	95.3	95.9	96.2	97.0	97.5	97.4	98.8	97.4	97.2	97.4
Food and kindred products	95.3	95.3	95.8	95.5	95.9	95.8	97.0	96.9	97.1	98.7	97.7	98.2	98.2
Tobacco manufactures	90.4	86.9	89.4	88.1	90.6	87.1	87.6	86.1	87.6	93.4	92.0	93.1	84.6
Textile mill products	82.0	83.1	84.1	83.7	83.5	84.0	84.5	84.8	84.5	85.7	82.7	82.2	81.2
Apparel and other textile products	88.5	89.5	90.7	91.5	92.5	92.8	93.2	94.4	94.2	96.7	93.9	92.5	92.8
Paper and allied products	95.6	95.6	96.8	97.4	97.6	98.2	98.8	99.4	99.1	99.6	99.3	99.5	100.7
Printing and publishing	109.7	110.1	110.9	111.9	112.7	112.4	113.8	114.1	114.6	116.6	116.6	116.3	117.1
Chemicals and allied products	94.3	94.1	94.2	94.6	95.2	95.5	96.1	96.3	96.1	96.2	95.6	96.7	96.6
Petroleum and coal products	92.1	90.7	89.3	89.4	88.8	89.8	89.4	88.8	88.4	86.5	86.1	84.5	85.1
Rubber and misc. plastics products	101.4	102.4	104.5	106.2	108.4	109.4	111.0	112.5	112.2	113.8	113.1	113.2	114.5
Leather and leather products	79.8	80.1	82.0	81.4	81.2	81.0	81.4	81.2	79.7	81.4	78.3	77.4	78.6
Service-producing	114.1	112.4	115.1	115.9	116.0	116.7	117.2	117.4	117.9	118.6	119.0	119.6	119.8
Transportation and public utilities	100.4	85.3	102.0	102.4	101.7	102.4	103.4	103.1	103.1	104.4	104.3	104.8	105.9
Wholesale trade	107.7	108.6	109.2	109.7	110.1	110.7	111.6	112.0	112.5	113.3	113.5	113.7	113.9
Retail trade	106.1	106.4	106.7	107.8	108.3	109.7	109.3	109.4	109.9	110.3	111.1	111.9	111.2
Finance, insurance, and real estate	119.2	119.2	120.2	120.8	120.6	121.0	122.0	122.1	122.2	123.1	123.1	124.0	124.4
Services	126.5	126.6	127.6	128.3	128.4	128.6	129.4	129.9	130.9	131.4	131.7	132.2	132.7

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

^p = preliminary.

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

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

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

Industry	1983						1984						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
Hourly Earnings Index²(1977 = 100)													
Total private (in current dollars)	155.6	155.4	156.2	157.1	157.2	157.8	158.4	158.5	159.1	159.9	159.6	160.3	161.1
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	144.5	144.8	145.5	145.5	145.2	145.6	146.3	146.2	146.3	146.6	147.0	147.2	146.6
Manufacturing	157.9	158.0	158.1	158.7	159.4	159.7	160.3	160.7	161.2	161.6	162.0	162.3	162.6
Transportation and public utilities	157.9	155.6	157.4	158.5	158.7	159.1	159.9	159.8	160.9	161.3	160.9	162.3	163.7
Wholesale trade	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Retail trade	150.7	150.9	151.3	151.9	152.3	152.7	152.7	152.9	153.2	153.7	153.4	153.8	154.0
Finance, insurance, and real estate	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Services	156.4	156.6	157.7	158.7	158.5	159.4	159.8	159.8	160.8	162.3	161.4	162.6	164.2
Total private (in constant dollars) ⁴	94.9	94.4	94.5	94.7	94.6	94.9	94.8	94.8	95.1	95.4	94.9	95.2	(³)
Average hourly earnings													
Total private	\$8.04	\$8.00	\$8.09	\$8.13	\$8.14	\$8.17	\$8.21	\$8.23	\$8.25	\$8.31	\$8.29	\$8.33	\$8.37
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	\$11.87	\$11.89	\$11.95	\$11.94	\$11.93	\$11.96	\$11.97	\$11.95	\$11.97	\$12.03	\$12.07	\$12.07	\$12.04
Manufacturing	8.83	8.84	8.88	8.93	8.97	8.99	9.03	9.06	9.09	9.11	9.12	9.15	9.16
Transportation and public utilities	10.88	10.68	10.83	10.91	10.93	10.96	11.02	10.99	11.08	11.11	11.09	11.17	11.28
Wholesale trade	8.57	8.56	8.62	8.70	8.70	8.74	8.76	8.76	8.82	8.88	8.85	8.93	8.99
Retail trade	5.75	5.77	5.79	5.80	5.82	5.83	5.84	5.84	5.87	5.89	5.87	5.88	5.89
Finance, insurance, and real estate	7.33	7.24	7.35	7.46	7.39	7.47	7.49	7.47	7.54	7.62	7.53	7.60	7.53
Services	7.32	7.33	7.37	7.41	7.41	7.44	7.48	7.50	7.52	7.60	7.56	7.60	7.67
Average weekly earnings													
Total private:													
In current dollars	281.40	280.00	284.77	286.18	286.53	287.58	290.63	290.52	291.23	294.17	292.64	294.05	295.46
In constant (1977) dollars ⁴	171.69	170.01	172.27	172.61	172.40	172.93	173.93	173.65	174.08	175.52	173.98	174.61	(³)

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

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

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

components and consequently cannot be separated with sufficient precision.

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

⁵ Not available.

^p = preliminary.

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

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
Nevada	38.0	39.7	40.2	\$8.97	\$9.08	\$9.15	\$340.86	\$360.48	\$367.83
Las Vegas	39.5	39.3	39.9	10.89	11.13	11.35	430.16	437.41	452.87
New Hampshire	39.8	40.8	40.6	7.30	7.73	7.76	290.54	315.38	315.06
Manchester	38.7	39.1	39.3	7.05	7.46	7.48	272.84	291.69	293.96
Nashua	40.6	41.2	42.1	8.53	9.23	9.21	346.32	380.28	387.74
New Jersey	40.7	41.5	41.5	9.18	9.44	9.43	373.63	391.76	391.35
Atlantic City	40.6	40.8	40.4	7.45	7.60	7.53	302.47	310.08	304.21
Camden	40.3	39.8	39.8	9.89	9.82	9.85	398.57	390.84	392.03
Hackensack	40.2	40.7	40.8	8.05	8.47	8.49	323.61	344.73	346.39
Jersey City	40.3	39.7	39.4	8.56	8.64	8.51	344.97	343.01	335.29
New Brunswick-Perth Amboy-Sayreville	40.5	40.8	41.2	10.30	10.39	10.37	417.15	423.91	427.24
Newark	40.9	41.5	41.7	9.36	9.70	9.74	382.82	402.55	406.16
Paterson-Clifton-Passaic	41.0	41.7	41.9	8.91	9.14	9.22	365.31	381.14	386.32
Trenton	40.4	41.8	40.9	9.10	9.37	9.35	367.64	391.67	382.42
New Mexico	39.4	40.8	40.0	7.55	7.75	8.12	297.47	316.20	324.80
Albuquerque	40.2	40.6	39.4	7.41	7.29	7.78	297.88	295.97	306.53
New York	39.3	39.8	39.7	8.80	9.13	9.18	345.84	363.37	364.45
Albany-Schenectady-Troy	39.8	40.6	40.5	8.94	9.37	9.46	355.81	380.42	383.13
Binghamton	40.3	41.1	40.9	7.87	8.10	8.08	317.16	332.91	330.47
Buffalo	41.4	41.8	41.2	11.22	11.36	11.51	464.51	474.85	474.21
Elmira	38.9	40.5	40.3	9.01	8.89	9.01	350.49	360.05	363.10
Glens Falls	39.1	39.5	39.1	8.61	9.20	9.34	336.65	363.40	365.19
Monroe County	41.1	42.0	42.1	11.61	11.82	11.83	477.17	496.44	498.04
Nassau-Suffolk	40.4	40.5	40.7	8.71	9.05	9.03	351.88	366.53	367.52
Newburgh-Middletown	38.6	39.6	39.3	6.48	6.92	7.00	250.13	274.03	275.10
New York-Northeastern New Jersey	39.2	39.4	39.5	8.58	8.91	8.93	336.34	351.05	352.74
New York and Nassau-Suffolk	38.0	38.1	38.1	8.14	8.47	8.51	309.32	322.71	324.23
New York SMSA	37.3	37.3	37.2	7.95	8.27	8.32	296.54	308.47	309.50
New York City	37.0	36.9	36.9	7.87	8.16	8.22	291.19	301.10	303.32
Poughkeepsie	42.8	43.3	43.1	8.57	8.54	8.68	366.80	369.78	374.11
Rochester	40.8	41.6	41.6	10.99	11.06	11.08	448.39	460.10	460.93
Rockland County	40.0	40.3	40.8	8.77	9.46	9.50	350.80	381.24	387.60
Syracuse	39.9	41.3	41.2	9.55	10.30	10.40	381.05	425.39	428.48
Utica-Rome	39.5	41.1	40.2	8.06	8.15	8.30	318.37	334.97	333.66
Westchester County	38.6	39.4	39.6	8.45	8.79	8.78	326.17	346.33	347.69
North Carolina	40.5	40.0	40.2	6.64	6.95	6.97	268.92	278.00	280.19
Asheville	40.5	40.9	41.0	6.51	6.88	6.90	263.66	281.39	282.90
Charlotte-Gastonia	41.8	41.5	41.5	6.71	6.99	7.00	280.48	290.09	290.50
Greensboro-Winston-Salem-High Point	39.5	39.3	39.4	7.27	7.61	7.69	287.17	299.07	302.99
Raleigh-Durham	41.0	40.7	41.3	7.82	8.26	8.28	320.62	336.18	341.96
North Dakota	37.4	38.3	38.0	7.68	7.92	7.80	287.23	303.34	296.40
Fargo-Moorhead	36.5	36.7	36.0	8.06	8.40	8.29	294.19	308.28	298.44
Ohio	41.5	42.1	42.2	10.55	10.92	10.93	437.83	459.73	461.25
Akron	42.3	43.4	43.7	10.34	10.82	10.85	437.38	469.59	474.15
Canton	39.8	40.6	40.4	10.63	11.04	11.07	423.07	448.22	447.23
Cincinnati	41.3	41.6	41.8	10.11	10.50	10.48	417.54	436.80	438.06
Cleveland	41.3	42.0	42.2	10.49	10.83	10.86	433.24	454.86	458.29
Columbus	40.8	40.5	40.8	10.01	10.30	10.29	408.41	417.15	419.83
Dayton	42.0	42.3	41.9	10.56	11.03	11.07	443.52	466.57	463.83
Toledo	42.2	43.7	43.3	11.14	11.57	11.57	470.11	505.61	500.98
Youngstown-Warren	41.4	43.3	43.0	12.33	12.86	12.90	510.46	556.84	554.70
Oklahoma	40.6	41.1	40.8	9.16	9.64	9.76	371.90	396.20	398.21
Oklahoma City	40.9	40.4	40.7	9.79	10.03	10.17	400.41	405.21	413.92
Tulsa	40.0	41.2	40.5	9.94	10.22	10.44	397.60	421.06	422.82
Oregon	39.2	39.3	38.9	10.29	10.47	10.58	403.37	411.47	411.56
Eugene-Springfield	40.2	39.8	38.9	10.64	10.53	10.62	427.73	419.09	413.12
Medford	39.1	40.4	40.0	9.76	9.84	9.96	381.62	397.54	398.40
Portland	39.3	39.6	39.3	10.38	10.71	10.59	407.93	424.12	416.19
Salem	37.0	37.4	37.1	8.97	9.25	9.40	331.89	345.95	348.74

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		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Pennsylvania	39.6	40.2	40.3	\$8.89	\$9.31	\$9.32	\$352.04	\$374.26	\$375.60
Allentown-Bethlehem-Easton	38.4	39.2	39.3	9.14	9.81	9.90	350.98	384.55	389.07
Altoona	38.8	40.2	41.1	7.79	8.10	8.00	302.25	325.62	328.80
Delaware Valley	39.3	40.0	39.8	9.22	9.59	9.62	362.35	383.60	382.88
Erie	41.1	42.3	42.3	9.51	9.83	9.86	390.86	415.81	417.08
Harrisburg	39.6	40.5	40.3	8.46	9.05	9.09	335.02	366.53	366.33
Johnstown	36.1	37.4	37.5	7.96	8.40	8.52	287.36	314.16	319.50
Lancaster	38.8	39.6	39.6	8.23	8.65	8.68	319.32	342.54	343.73
Northeast Pennsylvania	37.5	37.8	38.0	7.41	7.57	7.58	277.88	286.15	288.04
Philadelphia SMSA	39.4	39.7	39.7	9.30	9.70	9.69	366.42	385.09	384.69
Pittsburgh	39.8	41.3	41.6	10.71	11.19	11.13	426.26	462.15	463.01
Reading	40.2	40.7	40.8	8.79	9.40	9.43	353.36	382.58	384.74
Williamsport	38.9	39.3	40.0	7.83	8.03	8.14	304.59	315.58	325.60
York	40.8	41.9	41.5	8.15	8.55	8.62	332.52	358.25	357.73
Rhode Island	39.9	40.0	39.6	6.87	7.14	7.11	274.11	285.60	281.56
Providence-Warwick-Pawtucket	40.1	39.7	39.3	6.79	7.02	6.98	272.28	278.69	274.31
South Carolina	41.1	40.6	41.2	7.04	7.21	7.23	289.34	292.73	297.88
Charleston-North Charleston	41.6	42.0	40.8	8.37	8.69	8.53	348.19	364.98	348.02
Columbia	39.9	40.3	40.1	6.78	7.14	7.11	270.52	287.74	285.11
Greenville-Spartanburg	41.4	40.5	40.9	6.73	7.07	7.09	278.62	286.34	289.98
South Dakota	41.9	43.6	42.7	7.42	6.91	6.97	310.90	301.28	297.62
Sioux Falls	48.1	45.3	47.3	7.90	6.73	6.74	379.99	304.87	318.80
Tennessee	40.9	40.6	41.8	7.48	7.71	7.70	305.93	313.03	321.86
Chattanooga	41.8	42.0	43.0	7.21	7.37	7.38	301.38	309.54	317.34
Knoxville	40.4	40.5	41.4	8.91	9.19	9.39	359.96	372.20	388.75
Memphis	41.6	40.4	41.3	7.86	8.23	8.31	326.98	332.49	343.20
Nashville-Davidson	41.4	39.8	42.7	8.25	8.75	9.04	341.55	348.25	386.01
Texas	41.1	41.7	41.9	8.86	9.06	9.06	364.15	377.80	379.61
Dallas-Fort Worth	41.1	41.7	42.0	8.70	8.87	8.88	357.57	369.88	372.96
Houston	41.6	42.7	43.2	10.79	11.00	11.00	448.86	469.70	475.20
San Antonio	41.1	41.8	40.9	6.52	6.76	6.71	267.97	282.57	274.44
Utah	39.3	39.9	39.2	8.70	8.99	8.95	341.91	358.70	350.84
Salt Lake City-Ogden	39.2	41.0	39.8	8.62	8.72	8.74	337.90	357.52	347.85
Vermont	39.5	40.2	40.9	7.59	7.90	7.91	299.80	317.58	323.52
Burlington	41.7	42.0	43.1	8.58	8.76	8.69	357.79	367.92	374.54
Springfield	38.5	41.7	41.1	8.02	8.10	8.18	308.77	337.77	336.20
Virginia	40.5	40.2	40.6	7.73	8.01	8.07	313.07	322.00	327.64
Bristol	39.1	39.7	40.1	6.40	6.78	6.72	250.24	269.17	269.47
Charlottesville	39.7	39.3	41.0	6.63	6.97	6.94	263.21	273.92	284.54
Danville	41.3	39.8	41.1	7.10	7.33	7.46	293.23	291.73	306.61
Lynchburg	40.1	39.0	39.9	7.34	7.60	7.62	294.33	296.40	304.04
Norfolk-Virginia Beach-Portsmouth	43.3	42.1	42.1	8.14	8.61	8.60	352.46	362.48	362.06
Northern Virginia	40.2	39.6	39.5	8.14	8.72	8.69	327.23	345.31	343.26
Petersburg-Colonial Heights-Hopewell	43.1	40.0	41.2	10.29	10.26	10.16	443.50	410.40	418.59
Richmond	40.1	40.4	40.6	10.27	10.32	10.32	411.83	416.93	418.99
Roanoke	40.3	39.3	39.7	6.82	7.31	7.44	274.85	287.28	295.37
Washington	39.5	38.7	(¹)	11.43	11.59	(¹)	451.49	448.53	(¹)
West Virginia	40.1	40.8	40.3	9.69	9.86	10.00	388.57	402.29	403.00
Charleston	42.9	43.1	42.8	11.26	12.06	12.10	483.05	519.79	517.88
Huntington-Ashland	38.5	40.6	40.0	11.21	11.54	11.70	451.59	468.52	468.00
Parkersburg-Marietta	41.2	42.9	42.8	10.70	11.24	11.10	440.84	482.20	475.08
Wheeling	41.5	40.4	40.3	10.49	11.71	11.42	435.34	473.08	460.23

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		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Wisconsin	40.8	41.0	41.2	\$9.81	\$10.05	\$10.02	\$400.25	\$412.05	\$412.82
Appleton-Oshkosh	42.6	42.0	42.5	9.41	9.77	9.72	400.87	410.34	413.10
Eau Claire	41.0	41.4	42.2	9.45	9.80	10.04	387.45	405.72	423.69
Green Bay	41.5	41.3	42.3	10.46	10.66	10.60	434.09	440.26	448.38
Janesville-Beloit	41.2	42.9	40.8	10.80	11.92	11.43	444.96	511.37	466.34
Kenosha	43.2	40.2	39.3	11.86	11.55	11.74	512.35	464.31	461.38
La Crosse	38.9	38.3	37.8	8.72	8.86	8.93	339.21	339.34	337.55
Madison	40.8	40.0	40.4	9.33	9.59	9.72	380.66	383.60	392.69
Milwaukee	40.5	41.2	41.2	10.82	11.10	11.13	438.21	457.32	458.56
Racine	40.4	40.0	39.9	10.19	10.45	10.47	411.68	418.00	417.75
Sheboygan	38.9	40.6	40.5	9.24	9.60	9.59	359.44	389.76	388.39
Wausau	42.7	41.8	42.0	9.10	9.25	9.33	388.57	386.65	391.86
Wyoming	37.9	39.3	40.1	8.80	8.95	9.18	333.52	351.74	368.12
Puerto Rico	39.2	39.0	39.2	4.79	4.91	4.94	187.77	191.49	193.65
Virgin Islands	41.2	43.9	43.4	10.12	9.42	9.42	416.94	413.54	408.83

¹ Not available.

^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and Area data have been adjusted to March 1983 benchmarks except Gary-Hammond-East Chicago and Indianapolis,

Indiana; New Jersey; New York-Northeastern New Jersey, New York; and Wisconsin. Corrected March 1984 data on average weekly hours, average hourly earnings, and average weekly earnings for Fargo-Moorhead, North Dakota are 36.3, \$8.18, and \$296.93, respectively.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) ¹			Percent change		
	May 1984 ^r	June 1984 ^r	July 1984 ^p	July 1983 to July 1984 ^p	May 1984 to June 1984 ^r	June 1984 to July 1984 ^p
Total	176,272	176,887	177,334	5.4	0.3	0.3
Private sector	144,776	145,497	145,933	6.2	.5	.3
Mining	2,273	2,276	2,261	8.6	.2	-.7
Construction	8,430	8,606	8,595	12.4	2.1	-.1
Manufacturing	41,025	41,158	41,370	7.3	.3	.5
Durable goods	24,598	24,720	24,904	10.0	.5	.7
Nondurable goods	16,427	16,438	16,466	3.6	.1	.2
Transportation and public utilities	10,573	10,619	10,677	4.6	.4	.5
Wholesale trade	11,042	11,056	11,076	5.4	.1	.2
Retail trade	25,339	25,464	25,504	5.1	.5	.2
Finance, insurance, and real estate	10,674	10,721	10,792	4.5	.4	.7
Services	35,422	35,596	35,659	5.4	.5	.2
Government	31,496	31,389	31,401	1.7	-.3	.0

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

^p = preliminary.

^r = revised.

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

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2134-1, chapter 13, Productivity Measures: Business Economy and Major Sectors. SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted¹

(1977 = 100)

Item	Annual average		Quarterly index										
	1982 ^r	1983 ^r	1981	1982				1983				1984	
			IV ^r	I ^r	II ^r	III ^r	IV ^r	I ^r	II ^r	III ^r	IV ^r	I ^r	II ^p
Business sector													
Output per hour of all persons	100.9	103.7	100.3	100.9	100.3	100.9	101.6	102.2	103.6	104.3	104.7	105.7	106.5
Output	106.3	111.0	108.1	107.1	106.4	106.1	105.8	106.9	110.1	112.5	114.7	117.8	120.3
Hours	105.4	107.1	107.8	106.1	106.1	105.1	104.1	104.7	106.2	107.9	109.5	111.4	113.0
Compensation per hour	155.0	161.7	147.6	151.4	153.9	156.7	158.4	160.2	161.0	161.8	164.2	166.7	167.5
Real compensation per hour	97.3	98.4	95.4	96.9	97.2	97.3	98.0	99.0	98.5	98.0	98.4	98.6	98.2
Unit labor costs	153.6	158.0	147.1	150.0	153.4	155.3	155.9	156.8	155.4	155.1	156.8	157.7	157.3
Unit nonlabor payments	136.8	145.5	139.6	138.0	137.0	135.8	136.5	139.8	144.6	147.9	149.1	151.6	155.4
Implicit price deflator	147.9	152.4	144.6	145.9	147.9	148.7	149.3	151.0	151.7	152.7	154.2	155.6	156.7
Nonfarm business sector													
Output per hour of all persons	100.0	103.4	99.2	99.8	99.4	100.3	100.5	101.6	103.6	104.1	104.4	105.2	106.0
Output	105.9	111.2	107.4	106.4	106.0	106.0	105.2	106.7	110.4	112.7	115.2	118.0	120.4
Hours	106.0	107.5	108.3	106.7	106.7	105.7	104.7	105.1	106.5	108.2	110.3	112.3	113.5
Compensation per hour	154.5	162.0	147.3	151.0	153.2	156.0	157.9	160.1	161.5	162.4	164.0	166.5	167.9
Real compensation per hour	97.0	98.6	95.2	96.7	96.8	96.9	97.7	99.0	98.8	98.3	98.2	98.5	98.5
Unit labor costs	154.5	156.6	148.5	151.4	154.2	155.6	157.1	157.6	155.9	155.9	157.1	158.3	158.4
Unit nonlabor payments	136.9	147.0	138.5	136.9	137.5	136.8	136.4	140.6	146.4	149.4	151.4	152.2	154.5
Implicit price deflator	148.6	153.4	145.1	146.5	148.6	149.3	150.2	151.9	152.7	153.8	155.2	156.3	157.1
Manufacturing													
Output per hour of all persons	107.1	111.6	104.0	105.5	106.3	108.8	107.8	109.1	110.8	113.4	113.1	114.2	115.1
Output	99.3	104.4	103.1	100.6	100.0	99.7	96.7	98.4	102.4	107.2	109.6	113.0	115.2
Hours	92.7	93.5	99.1	95.4	94.1	91.7	89.6	90.2	92.4	94.6	96.9	98.9	100.1
Compensation per hour	158.0	163.4	149.8	154.3	157.2	159.8	161.0	162.7	163.0	163.5	164.6	169.0	170.3
Real compensation per hour	99.2	99.4	96.8	98.8	99.4	99.2	99.6	100.6	99.7	99.0	98.6	100.0	99.9
Unit labor costs	147.6	146.4	144.0	146.2	148.0	146.9	149.3	149.1	147.0	144.1	145.5	148.0	148.0
Durable goods													
Output per hour of all persons	105.6	111.5	102.9	103.6	104.7	107.6	106.6	108.5	110.8	113.5	113.1	115.1	115.7
Output	97.1	102.6	103.0	99.3	98.3	97.4	93.2	95.6	100.1	105.7	109.0	113.9	116.3
Hours	91.9	92.0	100.1	95.9	93.9	90.5	87.4	88.1	90.4	93.2	96.4	98.9	100.5
Compensation per hour	157.6	162.5	149.7	153.7	156.8	159.7	160.7	162.2	162.2	162.5	163.4	168.3	169.4
Real compensation per hour	99.0	98.9	96.7	98.5	99.1	99.2	99.4	100.3	99.2	98.4	97.8	99.6	99.3
Unit labor costs	149.3	145.8	145.5	148.4	149.7	148.4	150.7	149.5	146.5	143.2	144.4	146.2	146.4
Nondurable goods													
Output per hour of all persons	109.2	111.9	105.8	108.5	108.5	110.4	109.6	110.0	110.9	113.3	113.2	112.8	114.1
Output	102.5	107.1	103.4	102.6	102.5	103.1	101.9	102.6	105.7	109.5	110.5	111.7	113.6
Hours	93.9	95.7	97.7	94.6	94.4	93.4	93.0	93.3	95.3	96.6	97.6	99.0	99.5
Compensation per hour	159.0	165.6	149.7	154.9	158.0	160.5	162.7	164.5	165.1	165.7	167.1	170.3	171.7
Real compensation per hour	99.8	100.7	96.7	99.2	99.9	99.7	100.7	101.7	101.0	100.3	100.1	100.8	100.7
Unit labor costs	145.6	148.0	141.5	142.8	145.6	145.4	148.5	149.6	148.8	146.2	147.6	151.0	150.4
Nonfinancial corporations													
Output per all-employee hour	102.6	106.1	101.3	102.2	102.1	103.3	103.2	104.0	105.8	107.2	107.2	106.1	(²)
Output	107.7	112.6	109.9	108.7	108.0	107.9	106.4	107.5	111.4	114.7	117.0	120.2	(²)
Hours	105.0	106.2	108.5	106.4	105.8	104.5	103.1	103.4	105.2	106.9	109.2	111.2	(²)
Compensation per hour	154.6	161.0	147.1	151.1	153.5	156.2	157.7	159.2	160.6	161.8	162.6	164.8	(²)
Real compensation per hour	97.0	97.9	95.1	96.7	97.0	97.0	97.5	98.4	98.2	98.0	97.4	97.5	(²)
Total unit costs	154.3	155.2	148.7	151.5	154.0	154.7	157.0	156.7	155.2	154.4	154.7	155.0	(²)
Unit labor costs	150.6	151.8	145.2	147.9	150.3	151.3	152.9	153.1	151.7	150.9	151.7	152.5	(²)
Unit nonlabor costs	164.8	164.9	158.5	161.6	164.3	164.4	168.8	167.0	165.1	164.4	163.3	162.0	(²)
Unit profits	84.6	117.2	100.2	89.4	86.8	86.6	75.6	92.5	111.8	126.6	135.9	143.2	(²)
Implicit price deflator	146.3	150.9	143.1	144.3	146.3	146.9	147.7	149.4	150.2	151.2	152.6	153.6	(²)

¹ All of the productivity and cost measures incorporate revised output and compensation measures reported by the Bureau of Economic Analysis of the U.S. Department of Commerce. In addition, revised values for seasonally adjusting measures of employment and average weekly hours were introduced, data for employees of nonagricultural establishments were rebenchmarked to the most recent levels from Unemployment

Insurance data, and improved estimates of employment levels in agricultural services were incorporated.

² Not available.

^p = preliminary.

^r = revised.

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

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates¹

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	I 1983'	II 1983'	III 1983'	IV 1983'	I 1984'	II 1984 ^p	I 1983'	II 1983'	III 1983'	IV 1983'	I 1984'	II 1984 ^p
Business sector												
Output per hour of all persons	2.1	5.9	2.8	1.4	4.0	2.8	1.2	3.3	3.4	3.1	3.5	2.7
Output	4.4	12.4	9.3	7.8	11.4	8.7	-2	3.4	6.1	8.4	10.2	9.3
Hours	2.2	6.1	6.4	6.2	7.2	5.7	-1.4	.1	2.6	5.2	6.5	6.4
Compensation per hour	4.4	2.2	2.0	6.1	6.2	1.8	5.8	4.6	3.3	3.7	4.1	4.0
Real compensation per hour	4.1	-2.1	-2.1	1.6	1.2	-1.8	2.1	1.3	.7	.3	-.4	-.3
Unit labor costs	2.2	-3.5	-.8	4.6	2.1	-1.0	4.5	1.3	-.1	.6	.6	1.2
Unit nonlabor payments	10.2	14.5	9.5	3.1	7.0	10.4	1.3	5.5	8.9	9.2	8.4	7.5
Implicit price deflator	4.6	1.9	2.5	4.1	3.7	2.7	3.5	2.6	2.7	3.3	3.0	3.2
Nonfarm business sector												
Output per hour of all persons	4.4	8.1	2.1	1.0	2.9	3.3	1.8	4.3	3.9	3.9	3.5	2.3
Output	6.0	14.3	8.7	9.1	10.3	8.0	.3	4.1	6.3	9.5	10.6	9.1
Hours	1.5	5.7	6.5	8.0	7.2	4.6	-1.5	-.2	2.3	5.4	6.9	6.6
Compensation per hour	5.7	3.5	2.2	4.1	6.1	3.6	6.0	5.4	4.1	3.9	4.0	4.0
Real compensation per hour	5.4	-.8	-1.9	-.3	1.0	-.1	2.4	2.0	1.5	.6	-.5	-.3
Unit labor costs	1.3	-4.2	.1	3.0	3.1	.3	4.1	1.1	.2	.0	.4	1.6
Unit nonlabor payments	12.7	17.8	8.4	5.3	2.3	6.1	2.7	6.5	9.2	10.9	8.3	5.5
Implicit price deflator	4.6	2.2	2.7	3.7	2.8	2.2	3.7	2.8	3.0	3.3	2.9	2.9
Manufacturing												
Output per hour of all persons	4.8	6.4	9.7	-1.0	3.7	3.2	3.4	4.3	4.3	4.9	4.7	3.9
Output	7.3	17.1	20.5	9.1	12.9	8.2	-2.2	2.4	7.6	13.4	14.8	12.6
Hours	2.4	10.0	9.8	10.2	8.8	4.8	-5.4	-1.8	3.1	8.1	9.7	8.4
Compensation per hour	4.2	.6	1.3	2.9	11.0	3.1	5.5	3.6	2.3	2.2	3.9	4.5
Real compensation per hour	3.9	-3.5	-2.8	-1.5	5.8	-.6	1.8	.3	-.3	-1.0	-.6	.2
Unit labor costs	-.5	-5.5	-7.7	3.9	7.0	-.1	2.0	-.6	-1.9	-2.6	-.7	.6
Durable goods												
Output per hour of all persons	7.2	8.7	10.2	-1.2	7.2	2.2	4.7	5.7	5.5	6.1	6.1	4.5
Output	10.7	20.5	24.2	13.2	18.9	8.9	-3.8	1.8	8.5	17.0	19.2	16.2
Hours	3.3	10.9	12.8	14.6	10.9	6.5	-8.1	-3.7	2.9	10.3	12.3	11.2
Compensation per hour	3.9	.1	.8	2.1	12.5	2.8	5.5	3.4	1.8	1.7	3.7	4.5
Real compensation per hour	3.6	-4.1	-3.2	-2.3	7.2	-.9	1.8	.1	-.8	-1.6	-.7	.1
Unit labor costs	-3.1	-7.9	-8.5	3.3	5.0	.6	.7	-2.2	-3.5	-4.2	-2.2	.0
Nondurable goods												
Output per hour of all persons	1.5	3.4	9.0	-.6	-1.3	4.7	1.4	2.2	2.7	3.3	2.6	2.9
Output	2.8	12.5	15.3	3.4	4.4	7.2	.1	3.1	6.2	8.4	8.8	7.5
Hours	1.3	8.8	5.8	4.0	5.8	2.4	-1.4	.9	3.5	4.9	6.1	4.5
Compensation per hour	4.5	1.4	1.4	3.4	8.0	3.2	6.2	4.5	3.2	2.7	3.5	4.0
Real compensation per hour	4.1	-2.8	-2.6	-1.0	2.9	-.4	2.5	1.1	.6	-.6	-.9	-.3
Unit labor costs	2.9	-1.9	-7.0	4.0	9.4	-1.4	4.7	2.2	.6	-.6	.9	1.1
Nonfinancial corporations												
Output per all-employee hour	3.2	7.5	5.3	-.2	3.6	(²)	1.8	3.7	3.8	3.9	4.0	(²)
Output	4.4	15.1	12.4	8.4	11.6	(²)	-1.1	3.1	6.3	10.0	11.8	(²)
Hours	1.2	7.1	6.7	8.6	7.7	(²)	-2.8	-.6	2.4	5.9	7.5	(²)
Compensation per hour	3.9	3.5	3.1	2.0	5.7	(²)	5.4	4.6	3.6	3.1	3.6	(²)
Real compensation per hour	3.5	-.8	-1.0	-2.4	.7	(²)	1.7	1.3	1.0	-.2	-.9	(²)
Total unit costs	-.7	-3.9	-2.0	.8	.6	(²)	3.5	.8	-.2	-1.5	-1.1	(²)
Unit labor costs7	-3.7	-2.1	2.1	2.0	(²)	3.5	.9	-.2	-.8	-.4	(²)
Unit nonlabor costs	-4.1	-4.5	-1.7	-2.6	-3.2	(²)	3.3	.5	.0	-3.2	-3.0	(²)
Unit profits	124.6	112.8	64.8	32.6	23.4	(²)	3.5	28.7	46.3	79.8	54.8	(²)
Implicit price deflator	4.7	2.3	2.8	3.6	2.7	(²)	3.5	2.7	3.0	3.3	2.8	(²)

¹ All of the productivity and cost measures incorporate revised output and compensation measures reported by the Bureau of Economic Analysis of the U.S. Department of Commerce. In addition, revised values for seasonally adjusting measures of employment and average weekly hours were introduced, data for employees of nonagricultural establishments were rebenchmarked to the most recent levels from

Unemployment Insurance data, and improved estimates of employment levels in agricultural services were incorporated.

² Not available.

^p = preliminary.

^r = 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		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
Alabama	1,787.5	1,777.0	1,795.4	244.4	185.5	194.2	13.7	10.4	10.8
Birmingham	396.6	391.7	396.5	51.1	37.1	38.0	12.9	9.5	9.6
Huntsville	161.5	165.4	167.0	16.6	13.4	14.1	10.3	8.1	8.4
Mobile	203.5	198.2	201.9	31.4	24.0	24.2	15.4	12.1	12.0
Montgomery	132.1	130.8	133.3	15.6	10.9	12.1	11.8	8.4	9.1
Tuscaloosa	56.5	58.2	57.7	7.4	6.0	5.8	13.1	10.3	10.1
Alaska	241.1	242.5	250.0	24.3	25.6	24.7	10.1	10.6	9.9
Arizona	1,374.4	1,405.0	1,395.2	133.4	71.9	75.0	9.7	5.1	5.4
Phoenix	847.8	888.3	879.6	63.0	34.8	34.4	7.4	3.9	3.9
Tucson	256.4	259.0	257.4	23.8	11.3	11.1	9.3	4.4	4.3
Arkansas	1,032.0	1,082.1	1,071.1	104.1	93.5	96.7	10.1	8.6	9.0
Fayetteville-Springdale	83.2	88.1	87.2	6.1	4.8	4.9	7.3	5.5	5.6
Fort Smith	93.8	95.0	95.1	10.5	8.7	9.2	11.2	9.1	9.6
Little Rock-North Little Rock	198.9	207.3	205.9	16.2	14.2	14.2	8.1	6.8	6.9
Pine Bluff	38.1	39.6	39.1	4.2	3.8	3.9	10.9	9.6	9.9
California¹	12,447.6	12,433.7	12,699.2	1,252.7	898.2	940.7	10.1	7.2	7.4
Anaheim-Santa Ana-Garden Grove	1,239.0	1,267.8	1,299.1	87.3	52.7	54.1	7.0	4.2	4.2
Bakersfield	222.7	220.5	228.3	28.2	24.8	23.0	12.6	11.2	10.1
Fresno	301.1	297.8	309.9	40.4	36.5	32.4	13.4	12.3	10.4
Los Angeles-Long Beach	3,836.0	3,746.0	3,794.0	390.0	266.0	319.0	10.2	7.1	8.4
Modesto	144.1	140.1	143.5	29.4	24.5	22.4	20.4	17.5	15.6
Oxnard-Simi Valley-Ventura	270.2	269.3	275.4	26.7	18.8	19.7	9.9	7.0	7.2
Riverside-San Bernardino-Ontario	651.4	652.8	668.1	74.4	54.2	53.4	11.4	8.3	8.0
Sacramento	527.9	535.9	545.8	55.2	41.0	40.7	10.4	7.6	7.5
Salinas-Seaside-Monterey	149.4	152.7	155.8	16.1	12.7	12.4	10.7	8.3	8.0
San Diego	854.8	878.0	895.8	77.6	50.8	49.3	9.1	5.8	5.5
San Francisco-Oakland	1,768.7	1,774.6	1,815.0	150.8	104.2	107.0	8.5	5.9	5.9
San Jose	854.8	867.9	889.3	67.9	41.7	42.3	7.9	4.8	4.8
Santa Barbara-Santa Maria-Lompoc	165.1	166.7	170.1	13.2	8.7	8.8	8.0	5.2	5.2
Santa Rosa	149.6	151.3	155.8	14.1	9.9	9.8	9.4	6.5	6.3
Stockton	184.4	183.2	186.2	30.3	22.4	22.6	16.4	12.3	12.2
Vallejo-Fairfield-Napa	143.7	142.1	148.1	15.6	9.3	11.6	10.8	6.5	7.8
Colorado	1,706.3	1,706.7	1,743.0	111.8	86.2	86.9	6.6	5.0	5.0
Denver-Boulder	1,018.0	1,023.4	1,039.6	57.0	42.1	44.0	5.6	4.1	4.2
Connecticut	1,631.7	1,646.8	1,682.2	97.2	68.2	71.8	6.0	4.1	4.3
Bridgeport	194.1	192.2	195.4	14.1	9.4	9.5	7.3	4.9	4.9
Hartford	394.2	395.2	404.0	21.3	15.3	16.2	5.4	3.9	4.0
New Britain	70.6	70.6	71.2	4.7	3.4	3.4	6.7	4.8	4.8
New Haven-West Haven	202.9	208.3	211.8	13.7	9.2	9.9	6.7	4.4	4.7
Stamford	127.8	127.2	130.6	5.2	3.4	3.6	4.1	2.6	2.7
Waterbury	106.8	105.8	108.5	6.8	5.0	5.2	6.4	4.7	4.8
Delaware	304.2	309.4	314.6	25.4	15.1	20.9	8.4	4.9	6.6
Wilmington	266.6	272.1	271.9	23.5	14.2	20.1	8.8	5.2	7.4
District of Columbia	325.6	311.1	314.7	36.1	30.6	27.9	11.1	9.8	8.9
Washington SMSA	1,808.3	1,817.5	1,857.0	93.0	71.4	76.4	5.1	3.9	4.1
Florida¹	4,948.4	5,032.1	5,067.0	433.7	304.5	336.0	8.8	6.1	6.6
Daytona Beach	122.6	125.5	127.3	9.4	6.1	6.9	7.6	4.8	5.4
Fort Lauderdale-Hollywood	513.9	524.6	528.9	38.6	26.0	28.0	7.5	5.0	5.3
Fort Myers-Cape Coral	107.9	111.3	111.8	7.9	5.9	6.4	7.3	5.3	5.8
Gainesville	82.0	84.9	83.2	3.8	3.3	3.2	4.6	3.8	3.8
Jacksonville	368.8	373.5	379.0	30.5	20.8	23.6	8.3	5.6	6.2
Lakeland-Winter Haven	151.3	148.0	142.7	24.7	16.5	17.8	16.3	11.2	12.5
Melbourne-Titusville Cocoa	138.5	143.5	146.2	11.3	7.4	8.7	8.2	5.2	5.9
Miami	859.5	859.6	865.4	87.9	64.2	65.7	10.2	7.5	7.6
Orlando	432.4	447.0	454.5	31.0	22.7	27.1	7.2	5.1	6.0
Pensacola	134.4	137.1	140.3	10.0	7.4	8.9	7.4	5.4	6.3
Sarasota	91.8	92.3	93.1	5.9	3.4	4.3	6.4	3.7	4.7
Tallahassee	91.0	93.2	93.5	4.8	3.7	4.2	5.3	4.0	4.5
Tampa-St. Petersburg	784.2	793.3	795.3	59.2	40.7	43.5	7.5	5.1	5.5
West Palm Beach-Boca Raton	301.3	315.9	315.5	28.0	19.6	22.1	9.3	6.2	7.0

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Georgia	2,714.4	2,771.9	2,812.8	206.5	163.0	171.3	7.6	5.9	6.1
Albany	53.1	53.1	54.1	5.5	4.4	4.6	10.4	8.3	8.5
Athens	66.8	67.8	68.0	4.3	3.5	3.5	6.4	5.2	5.2
Atlanta	1,137.5	1,169.6	1,185.2	74.5	57.3	60.4	6.6	4.9	5.1
Augusta	136.9	137.0	137.2	12.8	9.6	9.6	9.3	7.0	7.0
Columbus	90.0	91.1	94.0	7.9	6.7	8.8	8.8	7.3	9.3
Macon	110.2	109.5	110.9	8.9	7.3	7.8	8.1	6.6	7.0
Savannah	98.7	100.1	99.7	8.6	7.4	7.1	8.7	7.4	7.2
Hawaii	477.8	477.7	483.3	31.6	26.4	29.4	6.6	5.5	6.1
Honolulu	362.9	366.2	368.9	21.2	18.2	20.0	5.8	5.0	5.4
Idaho	476.7	461.1	473.5	44.9	31.5	28.8	9.4	6.8	6.1
Boise City	99.2	95.7	97.5	7.9	5.0	4.8	8.0	5.3	4.9
Illinois¹	5,659.1	5,581.2	5,736.0	721.0	489.3	505.7	12.7	8.8	8.8
Bloomington-Normal	63.6	64.5	66.5	5.4	3.9	4.1	8.5	6.0	6.1
Champaign-Urbana-Rantoul	83.4	88.2	86.5	6.2	5.0	4.8	7.5	5.6	5.5
Chicago	3,496.8	3,443.8	3,547.0	411.2	283.6	296.5	11.8	8.2	8.4
Davenport-Rock Island-Moline	192.2	186.4	189.4	30.2	18.8	18.5	15.7	10.1	9.8
Decatur	62.5	60.9	61.8	10.3	5.7	5.7	16.5	9.4	9.2
Kankakee	43.2	40.8	43.3	7.5	4.8	5.5	17.4	11.7	12.6
Peoria	175.4	165.7	170.2	32.3	17.7	18.0	18.4	10.7	10.6
Rockford	140.7	137.9	142.3	21.3	12.3	12.6	15.2	8.9	8.9
Springfield	105.8	103.6	107.8	9.7	6.8	7.1	9.2	6.6	6.6
Indiana	2,604.4	2,635.8	2,660.6	291.0	235.1	226.8	11.2	8.9	8.5
Anderson	56.4	56.4	57.5	6.7	4.5	4.9	11.9	8.0	8.5
Elkhart	78.4	84.9	87.9	4.9	4.3	5.1	6.3	5.0	5.8
Evansville	149.6	150.5	153.5	18.2	12.2	13.9	12.2	8.1	9.1
Fort Wayne	187.0	184.3	187.4	20.2	14.7	14.2	10.8	8.0	7.6
Gary-Hammond-East Chicago	277.9	266.7	270.1	43.5	36.6	36.1	15.7	13.7	13.4
Indianapolis	613.6	620.6	630.0	60.4	46.0	45.1	9.9	7.4	7.2
Lafayette-West Lafayette	60.8	64.1	62.5	5.3	3.9	3.9	8.8	6.1	6.3
Muncie	52.8	55.3	53.5	6.7	4.8	5.0	12.7	8.8	9.3
South Bend	142.1	145.9	147.7	13.7	10.3	10.4	9.6	7.1	7.0
Terre Haute	79.9	81.6	81.5	10.3	8.5	7.6	12.9	10.4	9.3
Iowa	1,474.0	1,441.1	1,445.9	115.9	97.5	93.6	7.9	6.8	6.5
Cedar Rapids	66.8	83.6	83.9	7.0	6.1	5.8	8.0	7.3	6.9
Des Moines	188.7	186.3	185.5	13.9	10.4	10.1	7.4	5.6	5.5
Dubuque	44.1	42.8	43.0	5.3	3.5	3.3	11.9	8.1	7.7
Sioux City	55.5	54.9	55.2	4.4	3.7	3.9	8.0	6.7	7.1
Waterloo-Cedar Falls	65.9	64.3	62.8	7.9	7.0	6.3	12.1	10.8	10.1
Kansas	1,212.6	1,200.5	1,217.1	74.3	59.6	59.1	6.1	5.0	4.9
Lawrence	32.6	34.6	32.5	1.9	1.5	1.6	5.8	4.4	4.8
Topeka	96.4	95.4	97.4	6.6	5.2	5.2	6.9	5.4	5.3
Wichita	224.3	227.0	230.1	17.2	12.8	12.9	7.7	5.6	5.6
Kentucky	1,747.8	1,746.2	1,772.8	210.9	157.1	157.5	12.1	9.0	8.9
Lexington-Fayette	189.6	190.1	191.0	11.0	8.2	8.6	5.8	4.3	4.5
Louisville	439.2	440.7	444.8	50.1	38.0	38.3	11.4	8.6	8.6
Owensboro	45.7	46.5	46.8	4.8	4.0	4.3	10.5	8.6	9.3
Louisiana	1,944.5	1,930.1	1,958.5	243.0	172.6	183.2	12.5	8.9	9.4
Alexandria	78.4	77.4	78.6	9.6	7.0	7.3	12.2	9.1	9.3
Baton Rouge	243.1	244.3	248.3	26.3	17.9	20.3	10.8	7.3	8.2
Lafayette	98.6	96.5	98.0	8.8	5.7	5.9	8.9	5.9	6.0
Lake Charles	79.7	75.4	76.6	11.5	10.1	10.4	14.5	13.4	13.6
Monroe	60.9	58.7	60.9	6.9	5.3	5.7	11.3	9.1	9.3
New Orleans	538.9	537.0	545.2	58.6	43.4	46.4	10.9	8.1	8.5
Shreveport	174.7	172.2	175.2	20.6	12.3	13.3	11.8	7.1	7.6
Maine	548.3	554.5	577.7	46.2	36.2	33.6	8.4	6.5	5.8
Lewiston-Auburn	39.1	40.5	41.0	3.5	2.7	2.5	9.0	6.7	6.1
Portland	99.1	105.7	109.1	6.5	4.1	4.1	6.6	3.9	3.7
Maryland	2,242.2	2,225.0	2,269.2	152.6	109.1	113.3	6.8	4.9	5.0
Baltimore	1,097.8	1,084.0	1,098.8	85.3	62.8	63.2	7.8	5.8	5.8

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	Unemployed								
	Civilian labor force			Number			Percent of labor force		
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
Massachusetts¹	3,008.4	3,018.8	3,083.8	225.1	119.6	137.9	7.5	4.0	4.5
Boston	1,440.3	1,475.9	1,493.6	94.1	51.2	59.7	6.5	3.5	4.0
Brockton	82.3	82.2	83.4	7.2	3.7	4.5	8.7	4.6	5.4
Fall River	78.4	76.9	78.4	7.6	4.6	5.0	9.7	6.0	6.4
Fitchburg-Leominster	50.6	51.3	52.3	4.7	2.1	2.5	9.3	4.0	4.8
Lawrence-Haverhill	149.5	147.4	149.0	12.1	7.6	8.3	8.1	5.2	5.6
Lowell	136.9	142.1	145.6	8.2	4.3	5.6	6.0	3.0	3.9
New Bedford	85.6	86.6	89.2	8.2	4.9	5.4	9.6	5.6	6.1
Pittsfield	65.9	66.8	68.7	5.4	3.3	3.4	8.2	4.9	5.0
Springfield-Chicopee-Holyoke	290.9	286.8	288.4	25.0	12.5	13.5	8.6	4.4	4.7
Worcester	195.9	189.4	191.9	16.4	7.3	9.0	8.4	3.8	4.7
Michigan¹	4,434.7	4,395.1	4,451.5	649.6	496.5	502.7	14.6	11.3	11.3
Ann Arbor	147.6	(²)	(²)	14.0	(²)	(²)	9.5	(²)	(²)
Battle Creek	82.8	(²)	(²)	12.4	(²)	(²)	15.0	(²)	(²)
Bay City	55.6	(²)	(²)	9.8	(²)	(²)	17.6	(²)	(²)
Benton Harbor	74.1	(²)	(²)	12.3	(²)	(²)	16.6	(²)	(²)
Detroit	2,039.9	(²)	(²)	314.2	(²)	(²)	15.4	(²)	(²)
Flint	226.6	(²)	(²)	38.0	(²)	(²)	16.7	(²)	(²)
Grand Rapids	345.2	(²)	(²)	40.5	(²)	(²)	11.7	(²)	(²)
Jackson	68.4	(²)	(²)	11.9	(²)	(²)	17.4	(²)	(²)
Kalamazoo-Portage	143.0	(²)	(²)	15.9	(²)	(²)	11.2	(²)	(²)
Lansing-East Lansing	250.1	(²)	(²)	23.1	(²)	(²)	9.2	(²)	(²)
Muskegon-Norton Shores-Muskegon Heights	79.1	(²)	(²)	14.1	(²)	(²)	17.8	(²)	(²)
Saginaw	101.2	(²)	(²)	14.5	(²)	(²)	14.4	(²)	(²)
Minnesota	2,234.3	2,256.8	2,315.3	177.9	131.6	143.1	8.0	5.8	6.2
Duluth-Superior	111.6	106.3	107.3	17.4	11.2	11.2	15.6	10.5	10.4
Minneapolis-St. Paul	1,192.2	1,229.1	1,252.4	81.0	55.2	63.2	6.8	4.5	5.0
Rochester	60.4	60.1	60.7	3.5	2.6	2.7	5.8	4.3	4.4
St. Cloud	80.0	81.8	83.7	7.6	5.5	6.0	9.5	6.7	7.1
Mississippi	1,093.5	1,051.7	1,068.4	151.9	99.8	112.1	13.9	9.5	10.5
Jackson	164.6	159.4	163.1	15.2	9.5	10.6	9.3	5.9	6.5
Missouri	2,388.9	2,406.4	2,428.5	239.4	171.6	172.7	10.0	7.1	7.1
Kansas City	699.1	696.7	705.7	58.1	38.3	37.7	8.3	5.5	5.3
St. Joseph	47.4	45.8	46.6	5.1	3.8	4.0	10.7	8.3	8.6
St. Louis	1,163.3	1,167.8	1,183.4	129.8	94.8	96.1	11.2	8.1	8.1
Springfield	111.3	115.7	114.6	8.2	6.1	6.2	7.4	5.3	5.4
Montana	409.8	406.7	417.4	35.4	29.5	32.4	8.6	7.2	7.8
Nebraska	809.9	797.9	811.3	45.2	28.5	29.1	5.6	3.6	3.6
Lincoln	107.6	109.3	108.1	4.8	2.9	2.9	4.4	2.7	2.7
Omaha	291.4	293.2	296.9	17.5	13.3	13.7	6.0	4.6	4.6
Nevada	494.3	497.0	498.4	47.2	32.9	34.8	9.6	6.6	7.0
Las Vegas	275.8	281.1	279.7	27.8	20.1	22.4	10.1	7.2	8.0
Reno	133.7	133.4	134.2	10.7	6.9	6.6	8.0	5.1	4.9
New Hampshire	509.3	510.9	529.5	23.6	24.1	20.6	4.6	4.7	3.9
Manchester	88.0	90.7	92.7	3.9	3.6	3.2	4.4	4.0	3.4
Nashua	89.5	91.4	94.8	3.5	2.4	2.5	4.0	2.7	2.7
New Jersey¹	3,698.7	3,885.6	3,825.1	314.9	243.1	202.0	8.5	6.3	5.3
Atlantic City	126.0	135.7	137.3	11.3	9.8	7.8	8.9	7.2	5.7
Jersey City	236.4	247.6	237.6	32.3	27.6	22.1	13.6	11.1	9.3
Long Branch-Asbury Park	257.1	273.2	273.0	20.1	14.7	12.9	7.8	5.4	4.7
New Brunswick-Perth Amboy-Sayreville	338.6	360.8	351.2	26.9	21.2	17.1	7.9	5.9	4.9
Newark	983.7	1,040.5	1,020.5	81.2	61.1	51.4	8.3	5.9	5.0
Paterson-Clifton-Passaic	217.7	230.3	224.8	23.8	18.7	15.8	10.9	8.1	7.0
Trenton	162.2	171.3	168.0	11.8	7.9	7.0	7.3	4.6	4.2
Vineland-Millville-Bridgeton	58.4	59.3	57.9	9.3	8.0	6.9	15.9	13.5	11.9
New Mexico	617.5	618.1	624.6	65.6	42.3	46.1	10.6	6.8	7.4
Albuquerque	232.5	237.5	240.4	20.8	13.5	15.6	8.9	5.7	6.5
Las Cruces	41.1	44.6	44.1	4.0	3.1	3.2	9.8	7.0	7.2

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number		Percent of labor force			
	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a	June 1983	May 1984	June 1984 ^a
New York¹	8,197.0	7,990.4	8,069.9	749.2	509.2	582.9	9.1	6.4	7.2
Albany-Schenectady-Troy	384.1	377.8	381.9	32.6	19.9	20.3	8.5	5.3	5.3
Binghamton	143.4	139.0	141.9	13.1	7.3	7.2	9.1	5.2	5.1
Buffalo	550.1	514.4	521.6	75.8	43.7	43.2	13.8	8.5	8.3
Elmira	37.5	36.2	36.8	4.4	2.6	2.5	11.6	7.3	6.8
Glens-Falls	49.3	45.7	47.8	4.8	3.0	2.6	9.7	6.6	5.5
Nassau-Suffolk	1,435.9	1,396.9	1,433.3	109.3	63.3	69.8	7.6	4.5	4.9
New York	3,680.5	3,643.6	3,642.9	315.0	255.0	326.6	8.6	7.0	9.0
New York City	3,042.0	3,017.0	3,009.0	272.0	229.0	300.0	8.9	7.6	10.0
Newburgh-Middletown	113.7	108.2	109.9	10.6	6.1	6.1	9.3	5.6	5.6
Poughkeepsie	117.9	116.2	117.5	8.9	5.0	4.8	7.6	4.3	4.1
Rochester	485.4	467.3	472.7	50.6	25.9	26.1	10.4	5.5	5.5
Syracuse	309.4	299.6	302.1	28.5	16.2	16.3	9.2	5.4	5.4
Utica-Rome	136.5	132.4	134.3	13.6	8.8	8.2	10.0	6.6	6.1
North Carolina	2,990.4	3,016.8	3,076.5	274.5	175.4	191.2	9.2	5.8	6.2
Asheville	89.6	87.3	91.0	7.0	4.9	5.5	7.9	5.6	6.1
Charlotte-Gastonia	378.7	388.3	393.2	28.9	17.2	18.1	7.6	4.4	4.6
Greensboro-Winston-Salem-High Point	446.9	454.6	463.1	37.3	22.0	24.8	8.3	4.8	5.4
Raleigh-Durham	321.6	335.2	339.9	16.6	10.4	11.6	5.2	3.1	3.4
North Dakota	331.8	339.4	340.4	18.1	14.3	14.5	5.5	4.2	4.3
Fargo-Moorehead	74.5	77.4	76.5	4.2	2.7	2.9	5.6	3.5	3.7
Ohio¹	5,253.2	5,086.0	5,183.2	669.8	493.3	468.5	12.8	9.7	9.0
Akron	307.5	305.5	306.8	38.8	31.1	29.0	12.6	10.2	9.5
Canton	192.6	185.6	188.0	28.7	20.9	18.9	14.9	11.2	10.1
Cincinnati	703.0	695.0	709.9	76.0	60.0	58.7	10.8	8.6	8.3
Cleveland	961.8	913.9	933.3	117.0	88.3	82.2	12.2	9.7	8.8
Columbus	594.2	590.4	603.8	57.1	46.5	43.6	9.6	7.9	7.2
Dayton	400.0	391.4	399.2	43.2	32.6	30.6	10.8	8.3	7.7
Toledo	380.5	(²)	(²)	48.6	(²)	(²)	12.8	(²)	(²)
Youngstown-Warren	233.7	220.3	221.7	40.3	25.9	23.8	17.2	11.8	10.7
Oklahoma	1,589.9	1,563.7	1,592.3	159.1	106.0	103.7	10.0	6.8	6.5
Enid	33.1	31.7	32.1	2.9	1.9	1.8	8.8	6.1	5.7
Lawton	41.5	40.7	41.5	2.8	2.1	2.2	6.8	5.2	5.4
Oklahoma City	489.9	490.9	500.6	35.7	25.1	24.4	7.3	5.1	4.9
Tulsa	381.7	371.2	376.3	42.4	28.1	27.4	11.1	7.6	7.3
Oregon	1,379.3	1,315.4	1,341.3	140.5	122.9	123.1	10.2	9.3	9.2
Eugene-Springfield	135.4	131.0	133.7	14.4	11.8	12.1	10.6	9.0	9.1
Medford	65.7	64.6	65.6	7.6	6.2	6.5	11.6	9.6	10.0
Portland	687.5	653.8	665.2	68.0	53.0	54.1	9.9	8.1	8.1
Salem	130.4	122.7	125.8	12.2	11.5	11.4	9.3	9.4	9.0
Pennsylvania¹	5,623.9	5,429.2	5,639.7	723.3	473.3	517.9	12.9	8.7	9.2
Allentown-Bethlehem-Easton	316.7	306.7	319.5	40.5	25.3	28.4	12.8	8.2	8.9
Altoona	59.3	55.4	56.8	10.1	6.9	6.3	17.1	12.4	11.2
Erie	128.1	121.9	126.4	20.3	11.8	12.2	15.8	9.7	9.6
Harrisburg	242.9	241.5	251.1	17.8	12.1	13.4	7.3	5.0	5.3
Johnstown	108.8	99.6	104.6	23.7	13.5	14.9	21.8	13.5	14.2
Lancaster	189.7	188.5	194.4	13.7	8.4	9.7	7.2	4.5	5.0
Northeast Pennsylvania	297.3	289.8	302.6	37.4	30.0	33.0	12.6	10.3	10.9
Philadelphia	2,254.9	2,253.3	2,307.8	210.0	150.1	159.6	9.3	6.7	6.9
Pittsburgh	1,058.4	993.4	1,035.5	167.3	105.9	117.1	15.8	10.7	11.3
Reading	163.1	162.4	168.3	18.6	11.7	12.6	11.4	7.2	7.5
Sharon	55.2	50.2	52.6	10.7	5.9	6.6	19.4	11.8	12.5
State College	50.8	52.9	51.6	6.2	3.8	4.4	12.2	7.1	8.4
Williamsport	53.5	52.6	54.3	8.4	5.8	6.0	15.8	11.0	11.0
York	184.6	179.2	185.6	22.7	14.2	15.0	12.3	7.9	8.1
Rhode Island	486.2	481.5	491.1	40.2	30.5	31.3	8.3	6.3	6.4
Providence-Warwick-Pawtucket	475.2	469.9	476.7	41.7	30.2	30.9	8.8	6.4	6.5
South Carolina	1,499.7	1,511.7	1,522.4	152.9	107.7	102.3	10.2	7.1	6.7
Charleston-North Charleston	181.2	186.5	188.2	16.7	11.1	10.6	9.2	5.9	5.6
Columbia	200.0	209.9	207.9	14.0	10.3	9.9	7.0	4.9	4.8
Greenville-Spartanburg	291.3	293.6	295.3	26.4	18.6	17.1	9.1	6.3	5.8
South Dakota	348.3	345.9	359.5	18.2	14.5	15.3	5.2	4.2	4.3
Sioux Falls	66.7	69.8	71.1	2.8	2.2	2.2	4.2	3.2	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			
	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p	June 1983	May 1984	June 1984 ^p
Tennessee	2,221.6	2,206.4	2,229.5	269.6	182.7	193.8	12.1	8.3	8.7
Chattanooga	196.3	196.3	198.1	20.1	15.7	16.4	10.3	8.0	8.3
Johnson City-Kingsport-Bristol	201.1	207.9	210.1	22.6	16.8	18.0	11.2	8.1	8.5
Knoxville	233.0	231.2	233.5	26.5	17.8	18.9	11.4	7.7	8.1
Memphis	442.0	411.5	415.0	44.4	30.4	31.8	10.0	7.4	7.7
Nashville-Davidson	459.3	467.9	472.1	40.4	26.0	27.6	8.8	5.6	5.8
Texas¹	7,701.9	7,924.5	8,090.5	656.9	442.1	444.7	8.5	5.6	5.5
Abilene	77.1	78.3	79.2	4.2	3.0	2.9	5.5	3.8	3.7
Amarillo	98.2	102.8	105.6	5.4	4.4	4.3	5.5	4.3	4.1
Austin	319.4	351.6	351.5	14.4	11.2	11.2	4.5	3.2	3.2
Beaumont-Port Arthur	183.5	180.8	185.4	27.3	19.1	20.1	14.9	10.6	10.8
Brownsville-Harlingen-San Benito	91.3	93.2	94.1	14.6	11.8	11.4	16.0	12.6	12.1
Bryan-College Station	52.5	57.2	56.4	2.6	2.0	2.1	5.0	3.6	3.7
Corpus Christi	170.1	169.5	171.7	21.2	13.4	13.4	12.5	7.9	7.8
Dallas-Fort Worth	1,814.9	1,907.0	1,949.9	102.5	66.3	67.4	5.6	3.5	3.5
El Paso	198.8	200.7	205.8	25.1	17.2	17.5	12.6	8.6	8.5
Galveston-Texas City	93.4	93.2	95.4	11.8	8.4	8.3	12.7	9.0	8.7
Houston	1,780.4	1,795.2	1,831.7	182.3	114.7	115.2	10.2	6.4	6.3
Killeen-Temple	73.8	77.4	80.3	4.9	3.5	3.9	6.6	4.6	4.8
Laredo	42.4	39.5	39.8	11.2	6.8	6.5	26.5	17.3	16.4
Longview-Marshall	81.5	80.3	81.9	9.9	6.2	6.1	12.1	7.8	7.5
Lubbock	111.8	115.7	116.7	7.4	6.0	5.9	6.6	5.2	5.1
McAllen-Pharr-Edinburg	117.0	118.4	120.2	21.0	21.6	20.5	18.0	18.3	17.1
Midland	65.1	72.3	75.0	4.2	2.5	2.6	6.4	3.5	3.4
Odessa	73.2	76.5	79.0	7.5	3.7	3.4	10.3	4.8	4.4
San Angelo	50.2	51.5	52.9	2.9	1.9	2.0	5.8	3.6	3.9
San Antonio	505.1	534.1	548.4	32.6	24.3	25.6	6.5	4.5	4.7
Sherman-Denison	40.8	40.9	41.8	3.3	2.0	2.0	8.0	4.9	4.7
Texarkana	52.5	53.9	55.3	5.2	4.2	4.3	10.0	7.8	7.9
Tyler	76.7	79.6	81.0	5.1	3.3	3.5	6.6	4.1	4.4
Waco	90.0	94.6	96.7	5.2	3.8	4.0	5.8	4.0	4.2
Wichita Falls	68.2	70.0	71.8	4.7	2.9	2.8	6.8	4.1	3.9
Utah	698.9	698.1	704.9	69.9	45.5	43.5	10.0	6.5	6.2
Salt Lake City-Ogden	458.4	459.1	462.8	43.1	27.1	25.8	9.4	5.9	5.6
Vermont	267.1	265.6	268.7	17.9	17.2	15.3	6.7	6.5	5.7
Burlington	70.7	72.1	72.2	3.5	3.3	3.1	5.0	4.6	4.2
Virginia	2,775.4	2,806.6	2,863.0	160.5	119.9	134.0	5.8	4.3	4.7
Danville	56.2	56.1	57.0	4.4	3.7	4.1	7.9	6.6	7.2
Lynchburg	77.0	79.1	79.5	4.6	3.0	3.4	6.0	3.9	4.2
Newport News-Hampton	182.1	186.9	192.3	8.6	6.6	7.9	4.7	3.5	4.1
Norfolk-Virginia Beach-Portsmouth	363.2	373.2	383.6	20.5	14.5	18.1	5.6	3.9	4.7
Petersburg-Colonial Heights-Hopewell	57.7	55.5	56.6	5.2	4.0	4.4	9.1	7.1	7.7
Richmond	356.4	359.9	366.6	16.3	12.1	14.5	4.6	3.4	4.0
Roanoke	115.7	116.7	118.2	6.9	5.0	5.1	6.0	4.3	4.3
Washington	2,136.6	2,069.0	2,084.9	230.5	198.7	195.0	10.8	9.6	9.4
Seattle-Everett	917.7	904.2	910.2	91.6	73.7	72.5	10.0	8.2	8.0
West Virginia	777.9	760.6	764.5	142.1	104.5	104.5	18.3	13.7	13.7
Charleston	121.8	122.4	122.2	16.8	14.0	14.2	13.8	11.5	11.6
Huntington-Ashland	123.9	119.1	119.8	21.6	16.2	15.8	17.4	13.6	13.2
Parkersburg-Marietta	76.1	74.1	74.9	11.6	9.2	8.9	15.2	12.4	11.9
Wheeling	83.9	79.3	79.8	14.7	10.7	10.6	17.5	13.5	13.3
Wisconsin	2,459.5	2,430.0	2,457.6	246.2	168.2	175.3	10.0	6.9	7.1
Appleton-Oshkosh	157.0	156.2	158.3	14.6	10.6	10.7	9.3	6.8	6.7
Eau Claire	60.4	61.8	61.8	5.7	4.4	4.6	9.5	7.2	7.4
Green Bay	94.6	94.9	96.7	8.9	6.2	6.4	9.4	6.6	6.6
Janesville-Beloit	73.5	71.6	72.1	8.6	5.1	5.3	11.8	7.1	7.3
Kenosha	60.7	60.1	60.8	6.2	4.1	4.5	10.3	6.8	7.5
La Crosse	50.4	51.8	51.4	4.2	3.2	3.2	8.4	6.2	6.3
Madison	192.2	196.1	196.5	13.0	9.1	9.8	6.8	4.7	5.0
Milwaukee	720.0	704.3	714.1	75.4	46.3	49.1	10.5	6.6	6.9
Racine	86.3	83.6	85.3	10.6	6.3	6.8	12.3	7.5	7.9
Sheboygan	53.9	54.6	55.8	4.8	3.2	3.5	9.0	5.9	6.2
Wausau	56.9	56.6	57.0	6.1	4.8	5.0	10.7	8.5	8.7
Wyoming	279.5	260.2	266.9	24.6	16.3	14.4	8.8	6.3	5.4

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

² Not available.

^p = preliminary.

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

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

Explanatory Notes

Introduction

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

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

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of 195,000 establishments employing over 35 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

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

Employment

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

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

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

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

Hours of work

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

Household Data (A tables)

COLLECTION AND COVERAGE

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

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

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

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

CONCEPTS AND DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

families maintained by either men or women without a spouse.

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

HISTORICAL COMPARABILITY

Change in lower age limit

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

Noncomparability of labor force levels

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

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

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

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

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

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

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

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

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

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

Changes in the occupational and industrial classification system.

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

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

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

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

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

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

Changes in the sample design

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

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

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

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

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

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

ESTIMATING METHODS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Rounding of estimates

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

Reliability of the estimates

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table B. Standard errors for major employment status categories

(In thousands)

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

Table C. Standard errors for unemployment rates by major characteristics

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

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

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

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

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

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

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

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

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

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

Standard error of year-to-year change =

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

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

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

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

or about 259,000.

Table D. Standard errors for estimates of monthly level

(In thousands)

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

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

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

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

(In thousands)

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

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

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

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
50066	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,00047	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,00033	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,00023	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,00019	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,00015	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,00010	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,00006	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,00005	.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
50073	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,00052	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,00037	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,00026	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,00021	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,00016	.23	.36	.50	.60	.68	.75	.80	-	-
20,00012	.16	.25	.35	.42	.47	.51	.54	-	-
60,00007	.09	.14	.19	.22	.23	.24	-	-	-
100,00005	.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
50068	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,00048	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,00034	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,00024	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,00020	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,00015	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,00011	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,00008	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,00006	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,00005	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,00005	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,00004	.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	Total97	1.08
Men only93	.84	Both sexes, 16 to 19 years97	1.21
Women only86	.75	Black:		
Both sexes, 16 to 19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16 to 19 years	1.04	1.24

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

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

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

(In thousands)

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

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

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

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

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

Industry employment

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

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

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

Industry hours and earnings

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

² The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by

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

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

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

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

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

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

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

ESTIMATING METHODS

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

The "link relative" technique

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

Size and regional stratification

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

Benchmark adjustments

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

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

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

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

THE SAMPLE

Design

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

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

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

Coverage

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

Reliability of the employment estimates

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

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

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

¹ Less than 0.05 percent.

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

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

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

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

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

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

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

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

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

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

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

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

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data

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

(In percent)

Industry	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total	0.2	-	-
Total private2	0.1	0.2
Mining	2.1	1.0	1.3
Construction	1.7	.2	.5
Manufacturing5	.1	.2
Durable goods5	.1	.3
Nondurable goods4	.1	.2
Transportation and public utilities4	.7	.6
Wholesale trade3	.2	.4
Retail trade	1.2	.2	.4
Finance, insurance, and real estate2	.2	.4
Services4	.4	.6
Government ³7	-	-

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

² Relative errors relate to 1982 data.

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

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

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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

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

Table Q. Errors of preliminary employment estimates

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

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

differing industrial and geographic stratification.

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

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

COLLECTION

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

CONCEPTS

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

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

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

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

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

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

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

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

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

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

NOTES ON THE DATA

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

Manufacturing output data are supplied by the

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

State and Area Labor Force Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

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

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

ESTIMATING METHODS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Seasonal Adjustment

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

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

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

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

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

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

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

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

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

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

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

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

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

Beginning in June 1983, seasonal adjustment factors

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

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

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

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