

Employment and Earnings

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CALENDAR OF FEATURES											
In addition to the monthly data appearing regularly in Employment and Earnings, special features appear in most of the issues, as shown below:											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Oct.	Nov.	Dec.
Household data											
Annual averages	x										
Revised seasonally adjusted series		x									
Quarterly averages:											
Seasonally adjusted data											
Persons not in labor force											
Persons of Spanish origin											
Vietnam-Era veterans and nonveterans	x			x			x		x		
Poverty-nonpoverty area data											
Establishment data											
National annual averages:											
Industry divisions (preliminary)	x										
Industry detail (final)			x								
Women employment (National)		x			x			x		x	
National data adjusted to new benchmarks									(1)		
Revised seasonally adjusted series									(1)		
State and area annual averages					x						
Area definitions					x						

¹ The issue that introduces the establishment data adjusted to new benchmarks varies. The October 1975 issue marks the introduction of March 1974 benchmarks.

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¹ Monthly data in February, May, August, and November issues; annual averages in March issue.

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Employment and Unemployment Developments, July 1976

Both unemployment and employment rose in July, as the labor force expanded sharply. The unemployment rate increased for the second straight month, moving from 7.3 percent in May to 7.8 percent in July.

Total employment—as measured by the monthly survey of households—rose by more than 400,000 to a new high of 87.9 million. This continued the comparatively brisk pace of employment growth that has totaled 3.8 million since the March 1975 recession low.

Nonagricultural payroll employment—as measured by the monthly survey of establishments—rose by 220,000 in July and probably would have risen even more except for increased strike activity during the month. Payroll jobs were up by 2.8 million from the June 1975 low for this series.

Unemployment

The number of unemployed persons increased by 280,000 in July, following a similar rise in the prior month. This brought the jobless total to 7.4 million. The rate of unemployment for all workers was 7.8 percent, up from 7.5 percent in June and 7.3 percent in May.

Most of the July increase was among adult women, whose unemployment level was up by 180,000. This brought their rate of unemployment to 7.6 percent from 7.1 percent in June. Adult male joblessness showed little change in July after rising in the preceding month. At 6.1 percent, their unemployment rate was at its highest point since last December. By contrast, the incidence of unemployment among teenagers has remained stable for several months.

The unemployment rate for white workers rose in July to 7.1 percent, with increases among both adult men and women. Among black workers, the only sizeable change was a decrease for teenagers, whose rate declined in July from 40.3 to 34.1 percent. The overall jobless rate of 12.9 percent for black workers has shown little change thus far in 1976.

Unemployment among household heads increased for the second month in a row, to 5.4 percent, with most of the July rise occurring among female heads. There

were no substantial movements in unemployment among the major occupations and industries during July, but jobless rates were generally higher than in the prior month.

Following erratic movements in May and June, the average duration of unemployment was 15.8 weeks in July, about equal to the levels which prevailed during March and April. While the number unemployed less than 5 weeks rose, there was a decline among the very long-term unemployed, those out of work 27 weeks or more.

Total employment and the labor force

There was a strong increase in employment in July, following a small decline in the previous month. The 410,000 rise brought the total to 87.9 million, 3.8 million above the March 1975 trough. Most of the increase over the month was among adult men, whose employment had declined in June. Their employment level was up 260,000 to 52.5 million, about the same level as in April and May. Although the July change was small, women's employment continued on a generally upward course.

The civilian labor force grew substantially in July, as the numbers of adult men, adult women, and teenagers all increased. At 95.3 million, the civilian labor force was nearly 700,000 above June's level and 2.3 million larger than a year earlier. As a result of this growth, the civilian labor force participation rate for all workers rose to a new high in July of 61.9 percent.

Industry payroll employment

Nonagricultural payroll employment increased by 220,000 in July to 79.1 million, seasonally adjusted, after having been about unchanged since April. The payroll job count has grown by nearly 2.8 million since its June 1975 recession low. Over-the-month employment gains occurred in 60 percent of the industries that comprise the BLS diffusion index of nonagricultural payroll employment.

The largest over-the-month advance occurred in State and local government, where 90,000 employees were added to payrolls. This followed 3 months of little or no growth. Employment gains also took place in retail trade (60,000) and services (45,000). There would have been an even greater increase in the latter industry were it not for a strike among hospital workers.

Employment in manufacturing was unchanged in July, as generally small movements in durables and nondurables tended to offset each other. Since the July low of last year, factory employment has risen by 850,000, with two-thirds of the growth occurring in the durable goods industries.

At 3.4 million, the job count in contract construction was unchanged from July a year ago and was some 700,000 below the peak attained in early 1974.

Hours

The average workweek for all production or non-supervisory workers on private nonfarm payrolls was 36.2 hours in July, seasonally adjusted, remaining in the narrow 36.1-36.2 hour range that has held since March. The workweek was slightly above the recession low but had been as high as 36.5 hours last winter.

The manufacturing workweek edged down 0.1 hour to 40.1 hours in July, while overtime hours held steady at 3.1 hours. These indicators, however, were 1.3 and 0.8 hours, respectively, above early 1975 recession lows.

The index of aggregate hours of private nonagricultural production or nonsupervisory employees was unchanged

over the month at 110.5 (1967=100) in July. It has shown relatively little change since January, after rising fairly steadily from its 1975 low point. The manufacturing index was down slightly over the month to 93.8, also little different from the first of the year.

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.4 percent from the June level (seasonally adjusted) and 7.0 percent over the last 12 months. Average weekly earnings advanced 0.7 percent over the month and 7.6 percent from last July.

Before adjustment for seasonality, average hourly earnings were \$4.85, up 1 cent from June. Since July 1975, they have increased by 32 cents. Weekly earnings average \$177.51 in July, up \$1.33 from June and \$12.62 over the year.

The hourly earnings index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 185.6 (1967=100) in July, 0.6 percent higher than in June. The index was 7.3 percent above July a year ago. During the 12-month period ended in June, the Hourly Earnings Index in dollars of constant purchasing power rose 1.1 percent.

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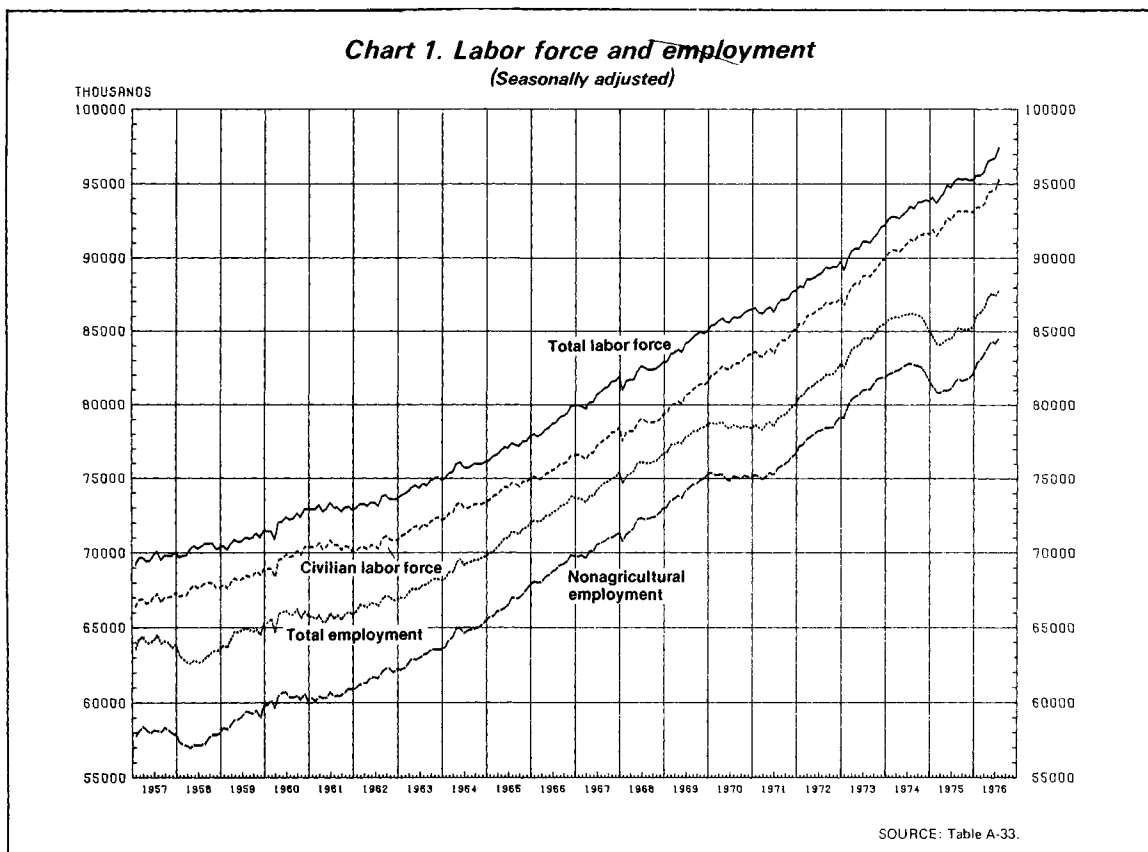
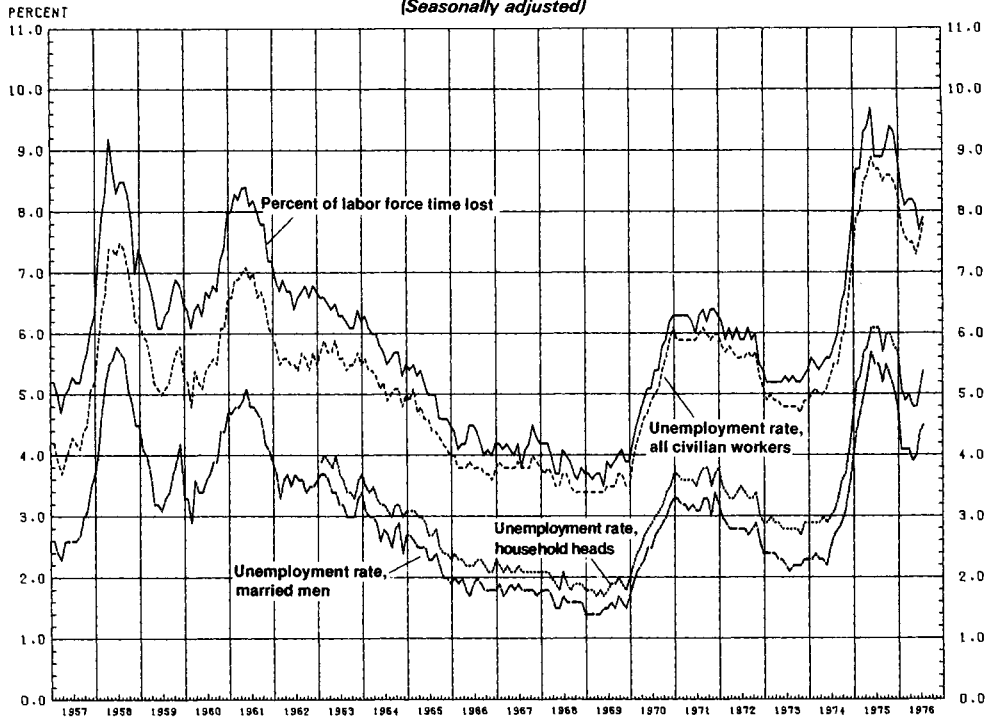
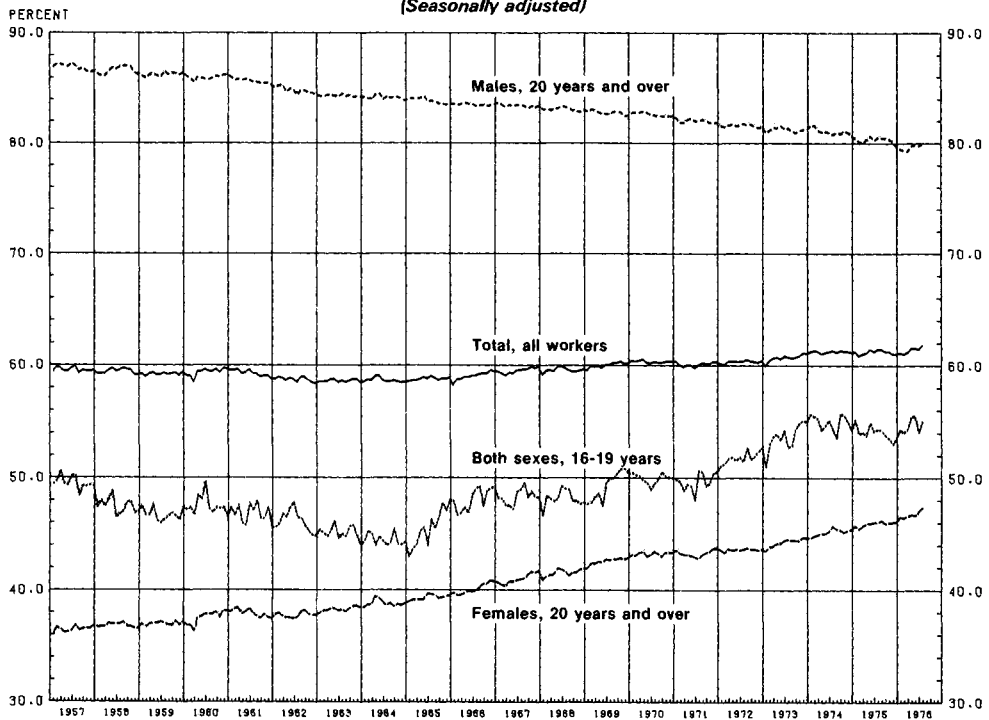


Chart 2. Major unemployment indicators
(Seasonally adjusted)



SOURCE: Table A-36.

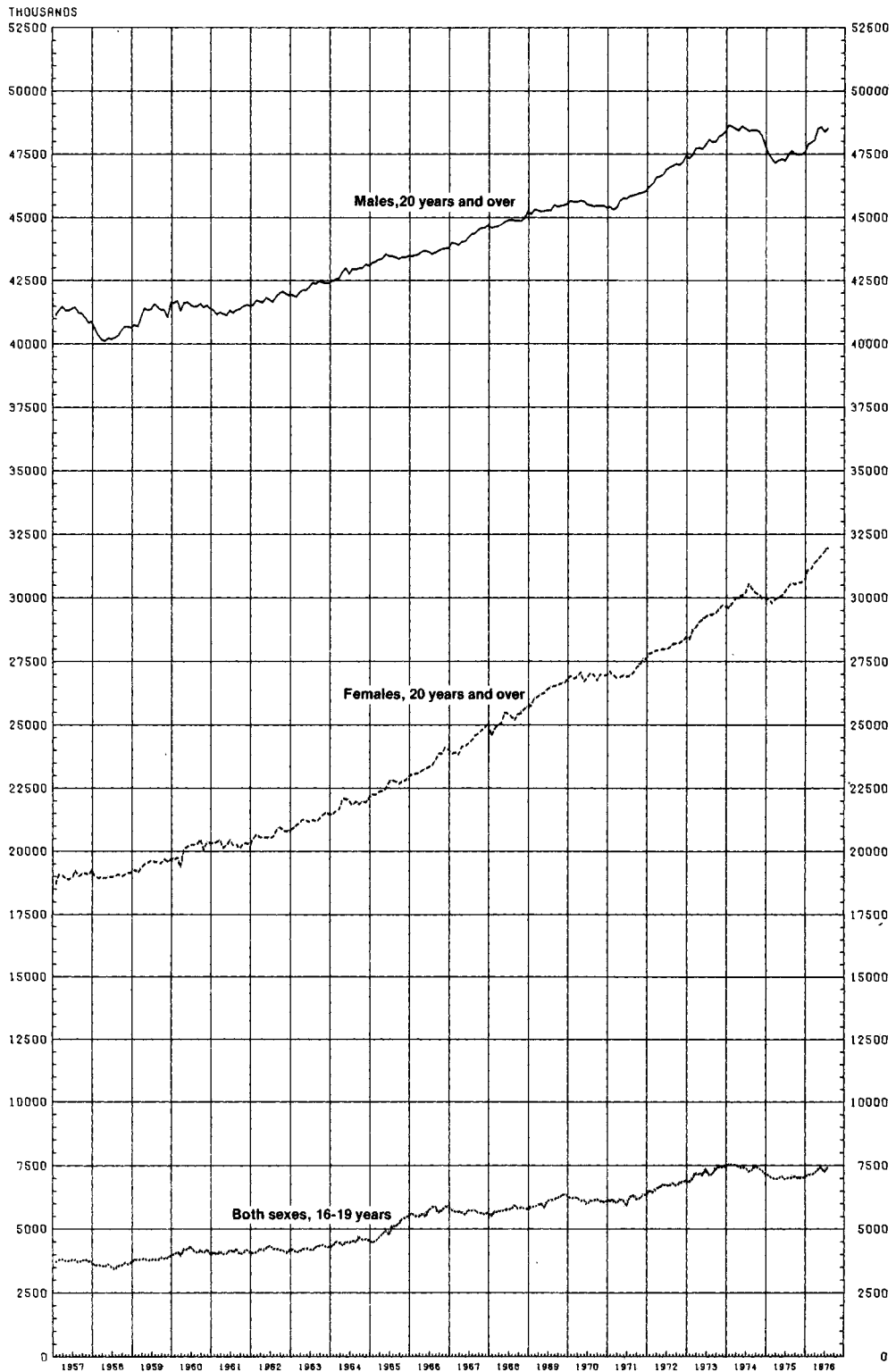
Chart 3. Civilian labor force participation rates by sex and age
(Seasonally adjusted)



SOURCE: Table A-33.

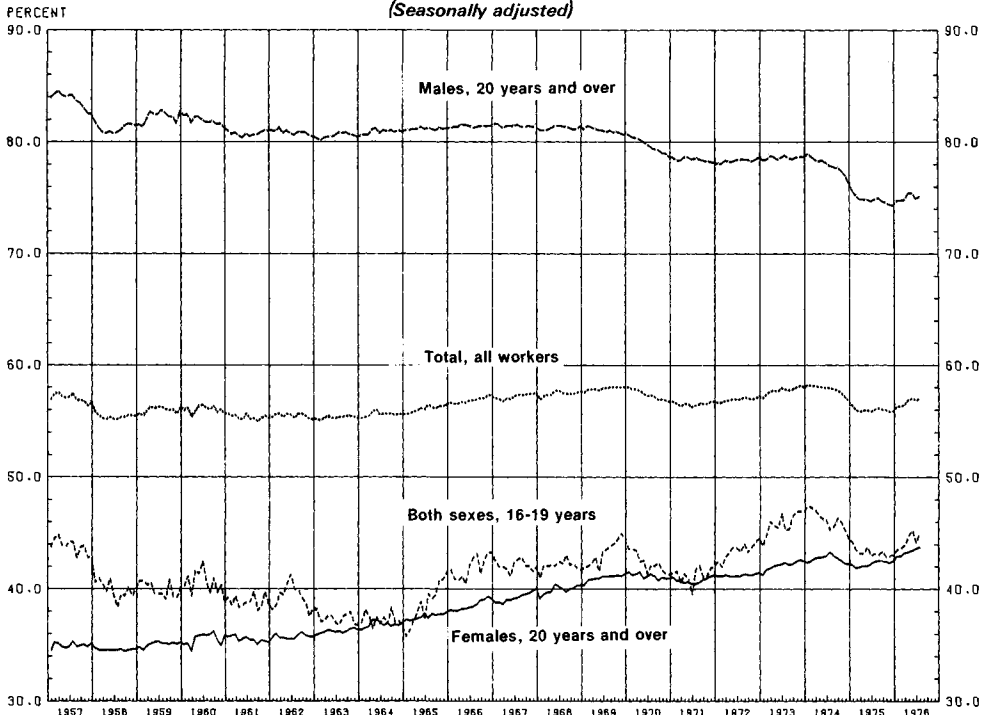
Chart 4. Total employment by sex and age

(Seasonally adjusted)



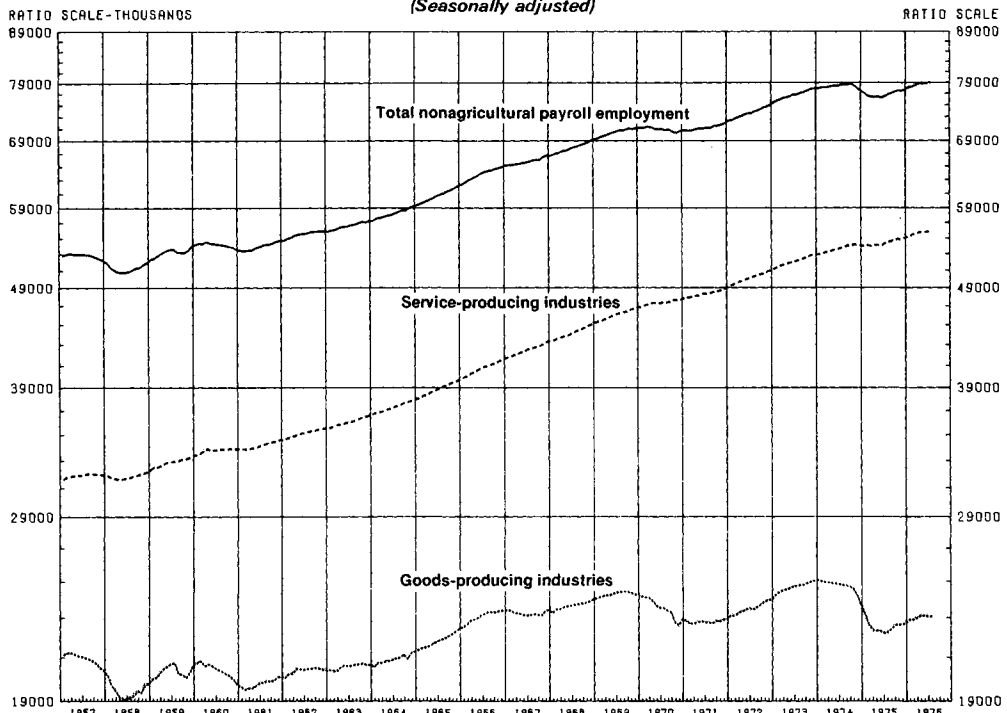
SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age
(Seasonally adjusted)



SOURCE: Table A-33.

Chart 6. Payroll employment in goods- and service-producing industries
(Seasonally adjusted)

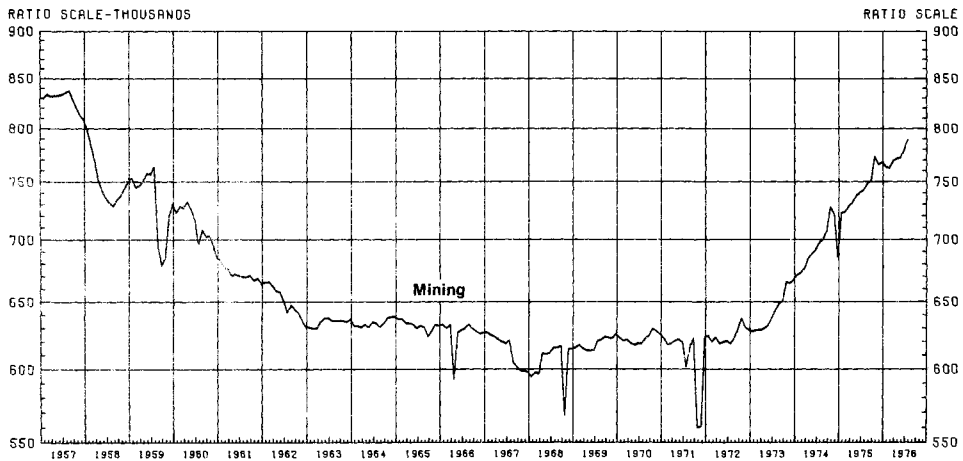
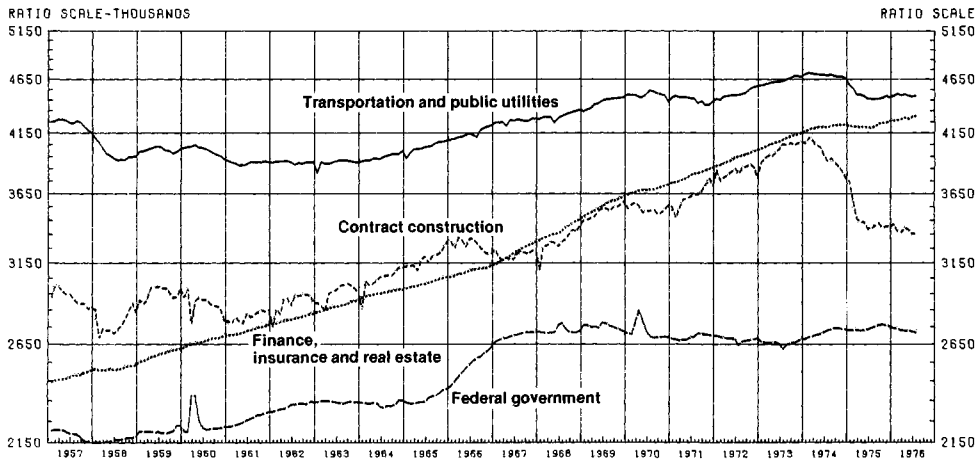
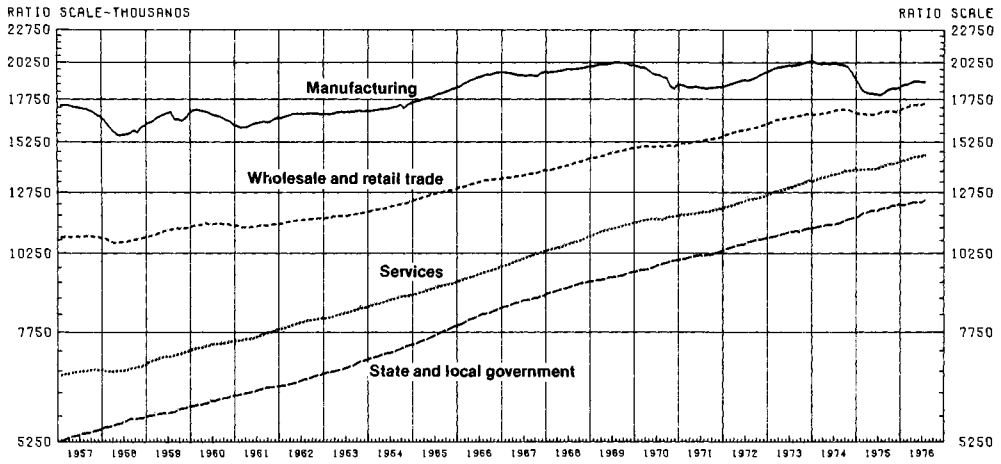


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

Chart 7. Nonagricultural payroll employment by industry

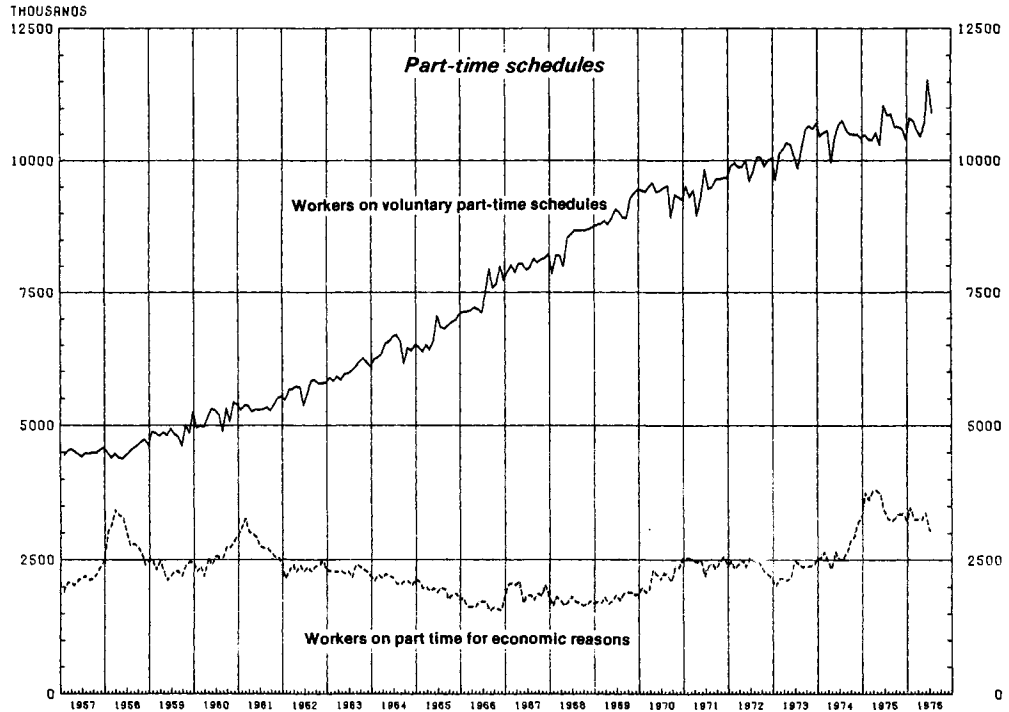
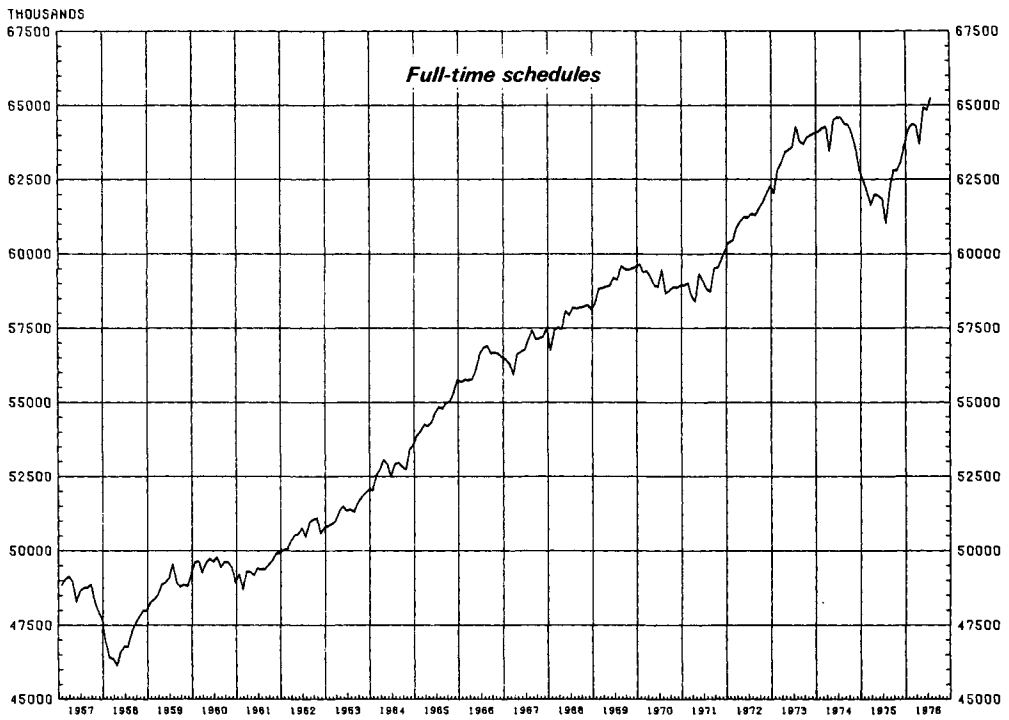
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

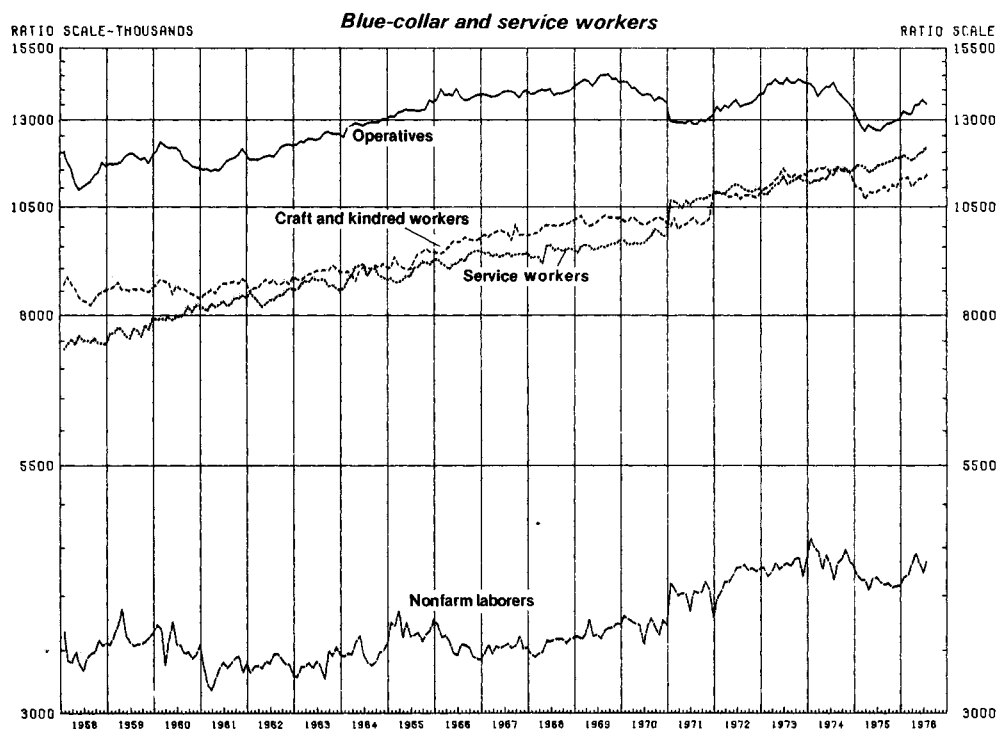
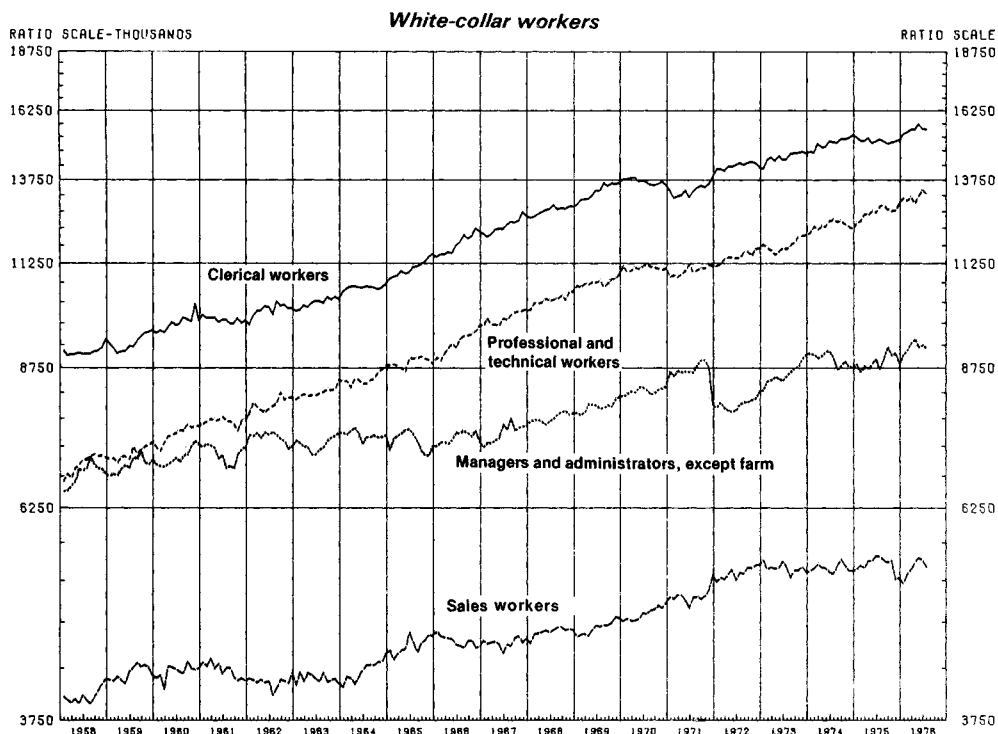
**Chart 8. Persons at work full and part time
in nonagricultural industries**
(Seasonally adjusted)



SOURCE: Table A-41.

Chart 9. Employment in nonfarm occupations

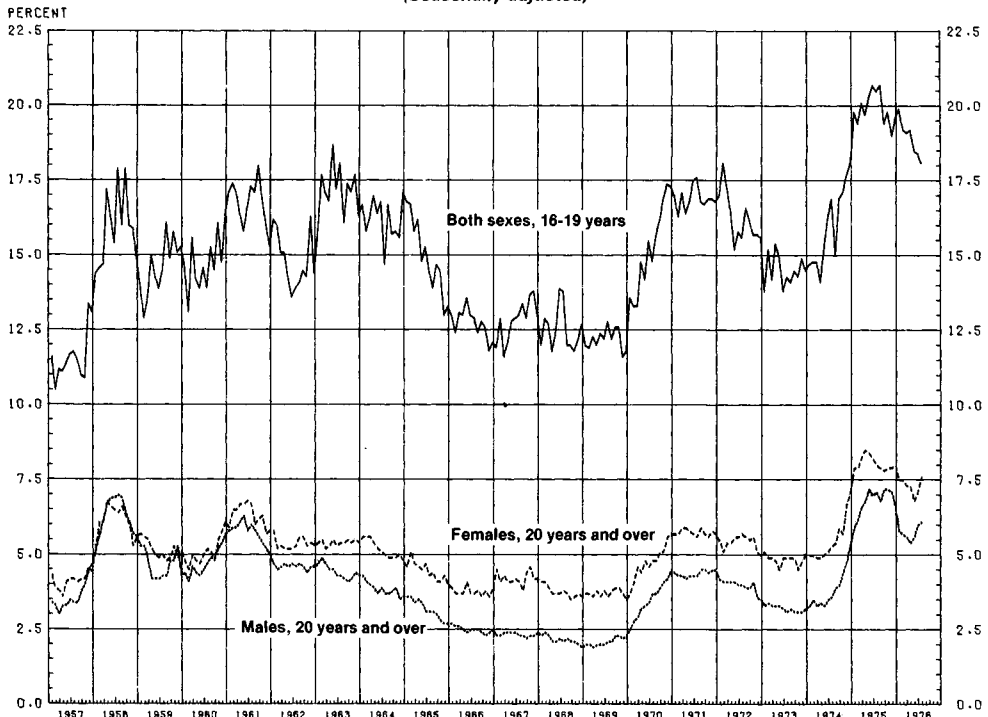
(Seasonally adjusted)



NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

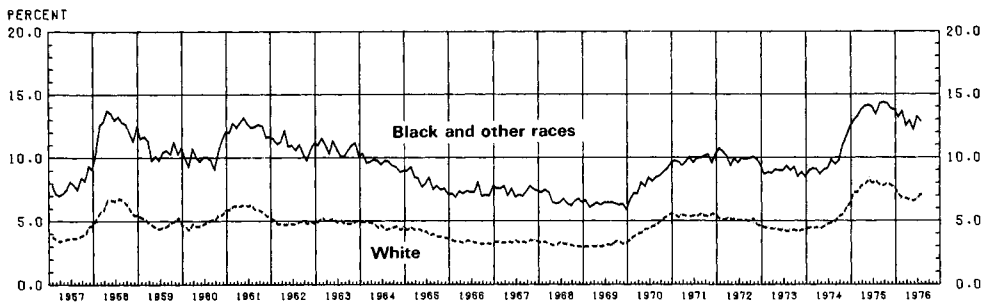
SOURCE: Table A-41.

Chart 10. Unemployment rates by sex and age
(Seasonally adjusted)

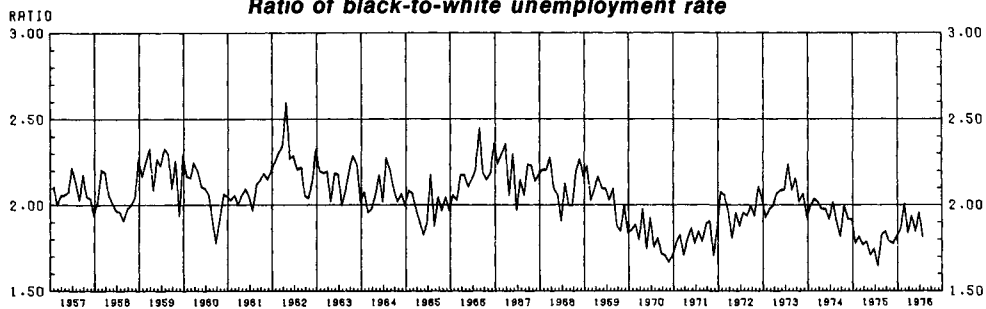


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)



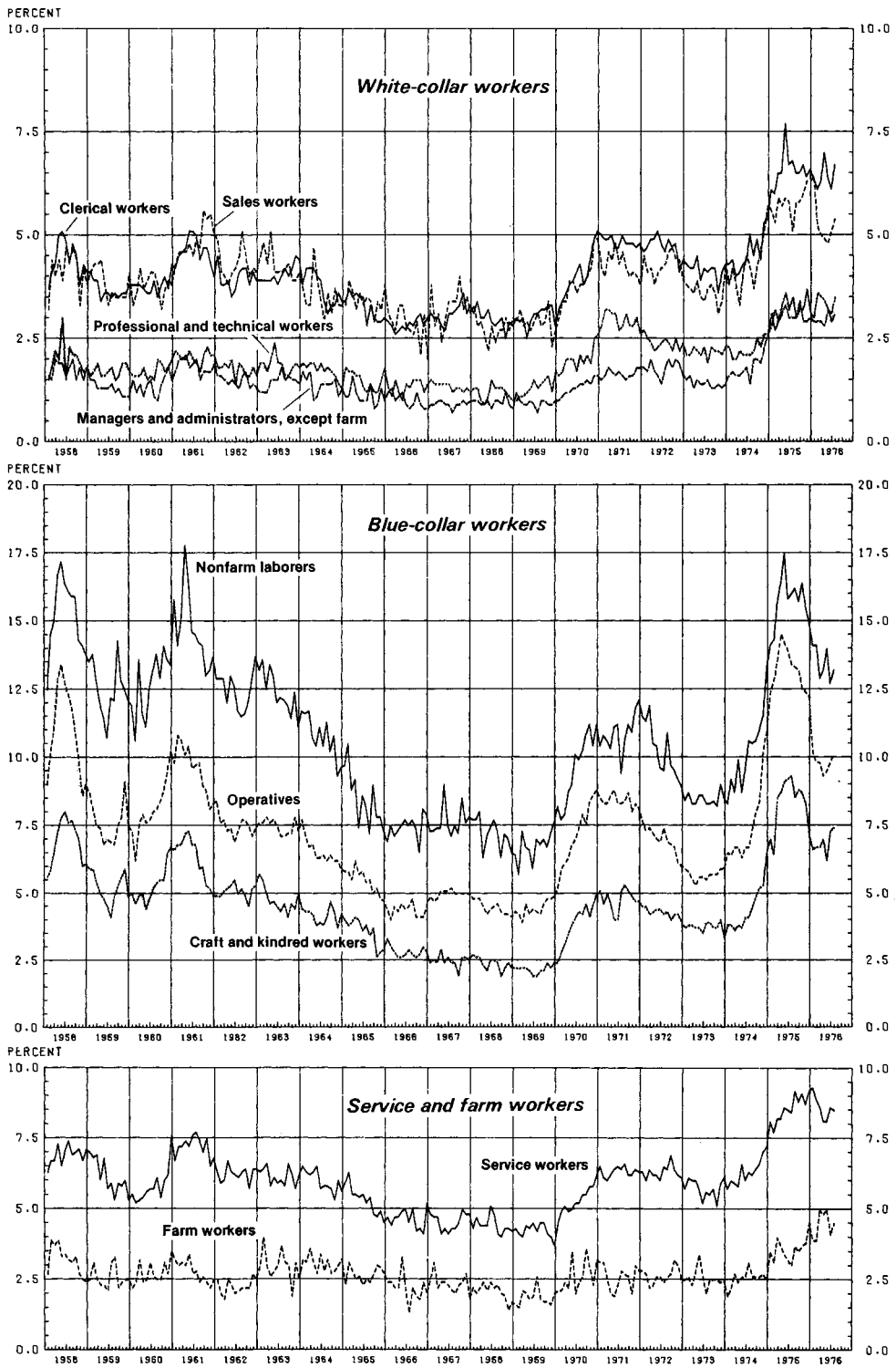
Ratio of black-to-white unemployment rate



SOURCE: Table A-35.

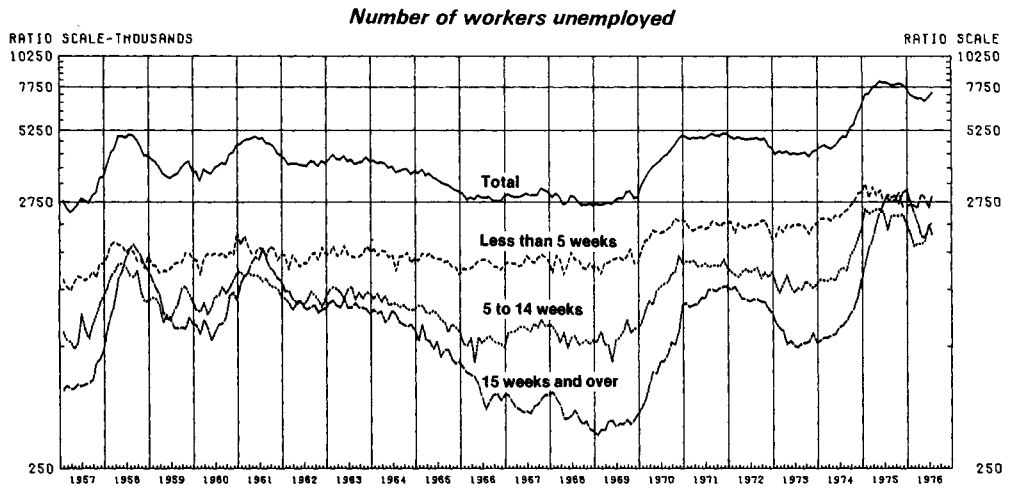
Chart 12. Unemployment rates by major occupational groups

(Seasonally adjusted)



SOURCE: Table A-36.

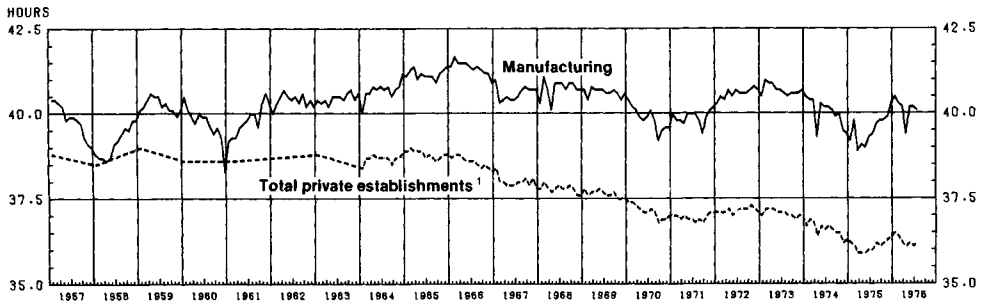
Chart 13. Duration of unemployment
(Seasonally adjusted)



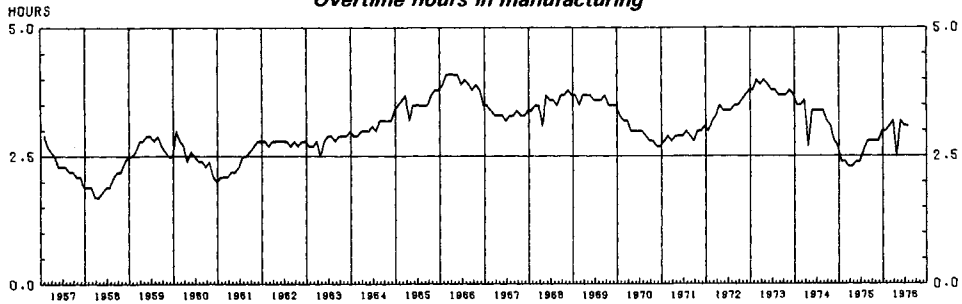
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing

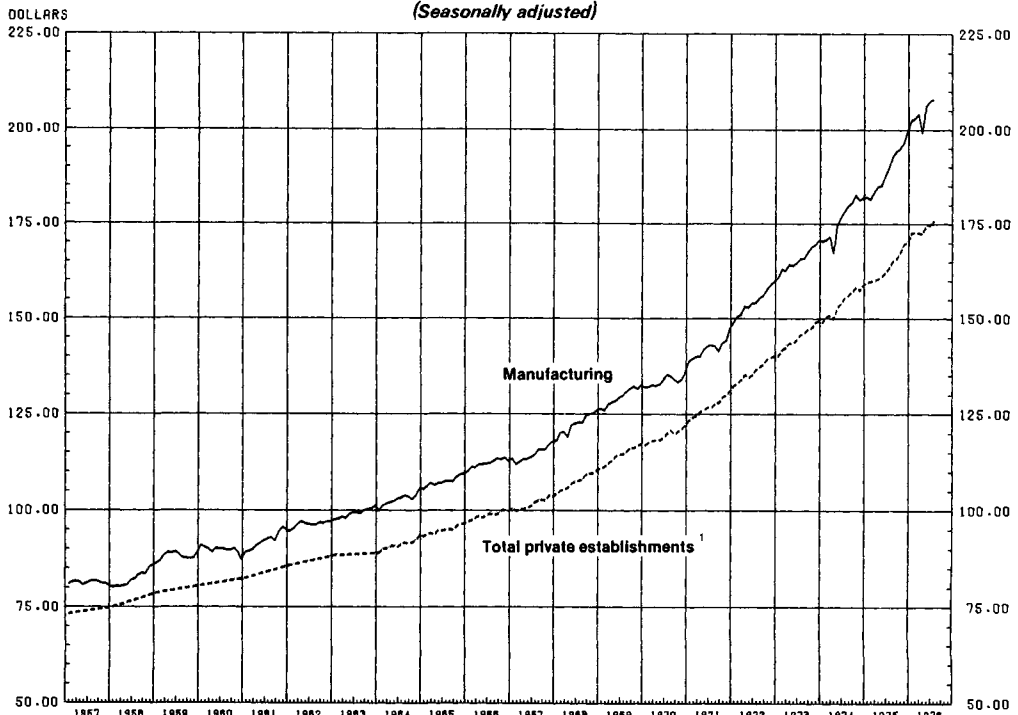


¹ Annual averages prior to 1964.
NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

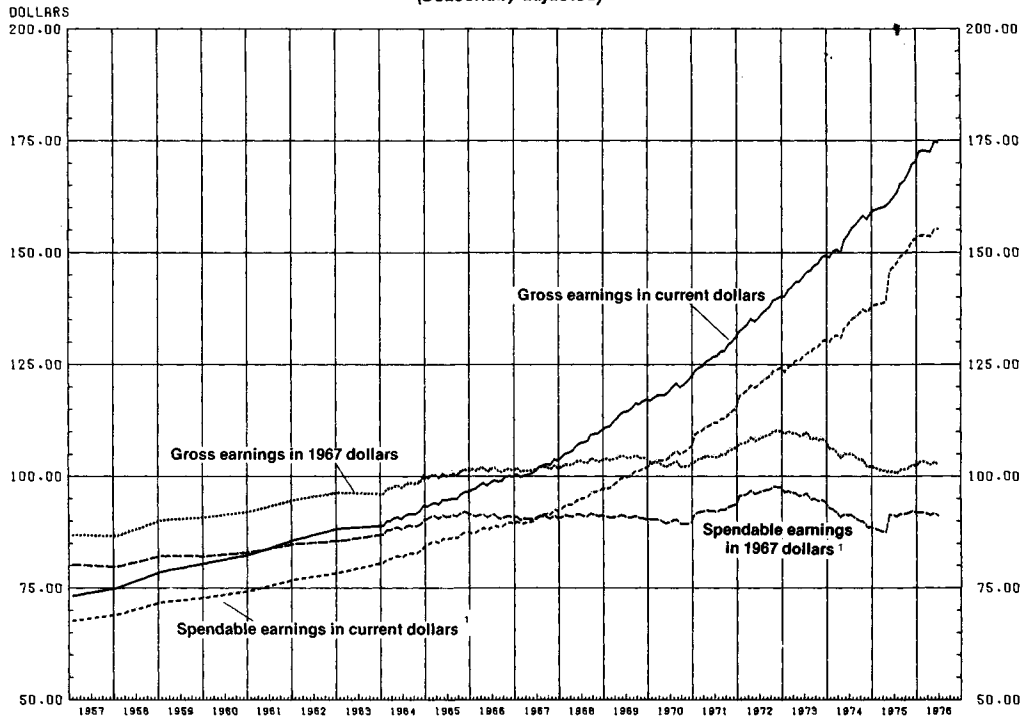
(Seasonally adjusted)



¹ Annual averages prior to 1964.
NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

Chart 16. Total private gross and spendable weekly earnings
(Seasonally adjusted)

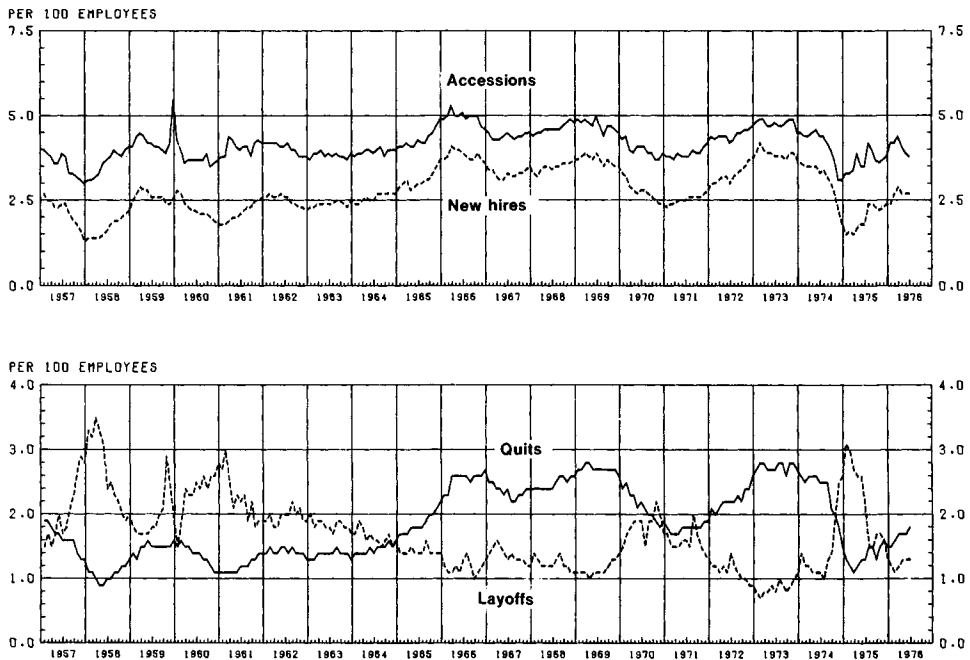


¹ Worker with three dependents.

NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

SOURCE: Table C-8.

Chart 17. Labor turnover rates in manufacturing
(Seasonally adjusted)



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

HOUSEHOLD DATA HISTORICAL

A-1. Employment status of the noninstitutional population, 1929 to date

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Persons 14 years of age and over										
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ²	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ²	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ²	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ²	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ²	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976: July.....	156,142	99,325	63.6	97,185	89,608	3,931	85,677	7,577	7.8	56,817

¹ Not available.

² Not strictly comparable with prior years due to the introduction of population adjustments

in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory notes.

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population, 16 years and over by sex, 1947 to date

[Numbers in thousands]

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force					Not in labor force	
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number		Percent of labor force
MALES										
1947.....	50,968	44,258	86.8	42,686	40,995	6,643	34,352	1,692	4.0	6,710
1948.....	51,439	44,729	87.0	43,286	41,725	6,358	35,367	1,559	3.6	6,710
1949.....	51,922	45,097	86.9	43,498	40,925	6,343	34,583	2,572	5.9	6,825
1950.....	52,352	45,446	86.8	43,819	41,578	6,002	35,576	2,239	5.1	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,534	36,246	1,221	2.8	6,725
1952.....	53,248	46,411	87.2	42,869	41,682	5,390	36,293	1,185	2.8	6,832
1953 ¹	54,248	47,131	86.9	43,633	42,430	5,253	37,177	1,202	2.8	7,117
1954.....	54,706	47,275	86.4	43,965	41,619	5,200	36,418	2,344	5.3	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,356	1,854	4.2	7,634
1956.....	55,547	47,914	86.3	45,091	43,379	5,040	38,339	1,711	3.8	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.2	8,907
1960 ¹	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	9,633
1962 ¹	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976: July.....	74,774	60,311	80.7	58,278	54,264	3,141	51,123	4,014	6.9	14,463
FEMALES										
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	35,767
1948.....	53,088	17,351	32.7	17,335	16,617	1,271	15,346	717	4.1	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,315	15,409	1,065	6.0	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,181	1,049	5.7	35,881
1951.....	54,933	19,054	34.7	19,016	18,181	1,193	16,988	834	4.4	35,879
1952.....	55,575	19,314	34.8	19,269	18,568	1,111	17,458	698	3.6	36,261
1953 ¹	56,353	19,429	34.5	19,382	18,749	1,006	17,743	632	3.3	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	37,247
1955.....	57,610	20,584	35.7	20,548	19,551	1,184	18,366	998	4.9	37,026
1956.....	58,264	21,495	36.9	21,461	20,419	1,244	19,175	1,039	4.8	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	38,053
1960 ¹	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	38,679
1962 ¹	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976: July.....	81,368	39,014	47.9	38,907	35,344	790	34,554	3,563	9.2	42,354

¹ See footnote 2, table A-1.

HOUSEHOLD DATA

A-3. Employment status of the noninstitutional population by sex, age, and race

[Numbers in thousands]

Sex, age, and race	July 1976										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	60,311	80.7	58,278	54,264	4,014	6.9	14,463	287	912	1,846	11,417
16 to 21 years	10,282	81.4	9,559	8,033	1,526	16.0	2,342	26	517	41	1,758
16 to 19 years	6,551	77.1	6,210	5,122	1,089	17.5	1,944	19	353	21	1,552
16 to 17 years	2,905	68.7	2,877	2,302	575	20.0	1,323	13	189	14	1,107
18 to 19 years	3,646	85.4	3,333	2,820	514	15.4	621	6	163	7	445
20 to 64 years	51,961	90.7	50,269	47,415	2,854	5.7	5,357	134	560	1,341	3,321
20 to 24 years	8,944	91.6	8,189	7,272	917	11.2	815	11	317	58	428
25 to 54 years	36,078	94.5	35,141	33,455	1,684	4.8	2,121	73	237	760	1,050
25 to 29 years	8,318	95.0	7,941	7,366	575	7.2	442	8	153	65	217
30 to 34 years	6,742	96.8	6,512	6,205	307	4.7	225	9	31	70	115
35 to 39 years	5,541	96.2	5,343	5,117	226	4.2	217	6	18	73	120
40 to 44 years	5,098	94.5	5,006	4,810	195	3.9	298	14	19	147	118
45 to 49 years	5,238	93.2	5,207	5,012	195	3.7	380	16	6	165	192
50 to 54 years	5,139	90.2	5,132	4,944	187	3.6	558	21	10	239	288
55 to 64 years	6,941	74.1	6,939	6,687	252	3.6	2,422	50	7	523	1,842
55 to 59 years	4,219	83.2	4,218	4,062	157	3.7	849	19	5	273	552
60 to 64 years	2,721	63.4	2,721	2,626	95	3.5	1,573	31	1	250	1,291
65 years and over	1,799	20.1	1,799	1,728	71	4.0	7,161	134	--	484	6,544
65 to 69 years	1,024	28.7	1,024	974	50	4.9	2,549	28	--	194	2,327
70 years and over	775	14.4	775	754	21	2.7	4,613	106	--	291	4,217
White											
16 years and over	53,847	81.4	52,154	48,931	3,223	6.2	12,295	223	680	1,444	9,949
16 to 21 years	9,029	83.7	8,432	7,235	1,197	14.2	1,756	17	366	29	1,345
16 to 19 years	5,781	79.9	5,492	4,621	871	15.9	1,457	12	247	13	1,185
16 to 17 years	2,535	70.7	2,510	2,058	452	18.0	1,049	10	139	7	893
18 to 19 years	3,246	88.8	2,982	2,563	420	14.1	408	2	107	6	293
20 to 64 years	46,456	91.4	45,051	42,759	2,293	5.1	4,363	92	433	1,056	2,782
20 to 24 years	7,841	92.8	7,234	6,513	721	10.0	610	9	235	47	318
25 to 54 years	32,215	95.1	31,419	30,071	1,348	4.3	1,664	53	193	579	840
25 to 34 years	13,381	96.3	12,868	12,164	703	5.5	516	13	141	91	271
35 to 44 years	9,460	95.9	9,212	8,877	335	3.6	406	12	39	175	179
45 to 54 years	9,374	92.7	9,339	9,030	309	3.3	742	28	13	312	390
55 to 64 years	6,400	75.4	6,398	6,174	224	3.5	2,089	29	7	430	1,623
55 to 59 years	3,877	84.5	3,876	3,740	136	3.5	712	13	5	227	467
60 to 64 years	2,522	64.7	2,522	2,434	88	3.5	1,376	16	1	202	1,156
65 years and over	1,610	19.9	1,610	1,551	59	3.7	6,476	119	--	375	5,982
Black and other											
16 years and over	6,465	74.9	6,124	5,333	791	12.9	2,167	65	233	402	1,468
16 to 21 years	1,253	68.1	1,127	798	330	29.2	586	9	151	12	414
16 to 19 years	770	61.2	718	500	217	30.3	487	7	106	7	367
16 to 17 years	370	57.4	367	243	123	33.6	274	3	50	6	215
18 to 19 years	400	65.2	351	257	94	26.8	213	4	56	1	152
20 to 64 years	5,506	84.7	5,217	4,657	560	10.7	995	42	127	286	539
20 to 24 years	1,102	84.3	955	759	196	20.5	205	2	82	11	110
25 to 54 years	3,863	89.4	3,721	3,384	338	9.1	456	21	45	181	210
25 to 34 years	1,680	91.7	1,586	1,407	178	11.2	151	3	43	44	61
35 to 44 years	1,179	91.5	1,137	1,050	86	7.6	110	8	--	44	59
45 to 54 years	1,003	83.7	999	927	73	7.3	196	9	3	93	90
55 to 64 years	541	61.9	541	513	28	5.1	334	21	--	93	219
55 to 59 years	342	71.4	342	322	20	6.0	137	6	--	46	85
60 to 64 years	199	50.3	199	192	7	3.6	197	14	--	48	134
65 years and over	189	21.6	189	176	13	6.6	685	15	--	109	562

HOUSEHOLD DATA

A-3. Employment status of the noninstitutional population by sex, age, and race—Continued

(Numbers in thousands)

Sex, age, and race	July 1976										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	39,014	47.9	38,907	35,344	3,563	9.2	42,354	34,694	884	1,040	5,736
16 to 21 years	7,969	64.5	7,920	6,668	1,252	15.8	4,395	1,921	569	23	1,882
16 to 19 years	5,157	62.0	5,138	4,218	920	17.9	3,158	1,065	409	11	1,673
16 to 17 years	2,228	54.3	2,227	1,774	453	20.3	1,877	420	212	4	1,241
18 to 19 years	2,930	69.6	2,910	2,443	467	16.0	1,281	645	198	7	432
20 to 64 years	32,844	54.6	32,756	30,186	2,570	7.8	27,362	24,169	468	487	2,239
20 to 24 years	6,588	67.7	6,529	5,790	739	11.3	3,143	2,444	256	25	418
25 to 54 years	22,038	55.1	22,010	20,407	1,602	7.3	17,944	16,196	204	250	1,293
25 to 29 years	5,190	58.2	5,171	4,669	501	9.7	3,727	3,333	101	31	262
30 to 34 years	3,799	53.0	3,795	3,465	330	8.7	3,373	3,042	49	24	259
35 to 39 years	3,334	54.9	3,332	3,118	214	6.4	2,742	2,517	22	28	175
40 to 44 years	3,173	55.8	3,172	2,972	200	6.3	2,511	2,286	13	38	174
45 to 49 years	3,337	56.1	3,336	3,158	178	5.3	2,613	2,346	11	58	198
50 to 54 years	3,205	51.8	3,205	3,025	180	5.6	2,977	2,673	7	72	225
55 to 64 years	4,218	40.2	4,217	3,989	229	5.4	6,275	5,528	7	212	528
55 to 59 years	2,664	47.7	2,664	2,510	155	5.8	2,917	2,590	5	119	203
60 to 64 years	1,553	31.6	1,553	1,479	74	4.8	3,358	2,938	2	93	325
65 years and over	1,013	7.9	1,013	940	73	7.2	11,834	9,460	7	542	1,824
65 to 69 years	625	13.8	625	570	55	8.8	3,909	3,271	1	83	553
70 years and over	388	4.7	388	370	18	4.7	7,925	6,189	6	459	1,271
White											
16 years and over	33,784	47.4	33,696	30,926	2,770	8.2	37,497	31,072	666	826	4,934
16 to 21 years	6,982	66.6	6,942	6,012	929	13.4	3,496	1,552	423	18	1,503
16 to 19 years	4,556	64.7	4,539	3,844	696	15.3	2,481	842	297	6	1,335
16 to 17 years	1,947	56.3	1,947	1,603	343	17.6	1,513	336	155	4	1,019
18 to 19 years	2,609	72.9	2,593	2,240	352	13.6	968	507	142	3	316
20 to 64 years	28,327	53.9	28,256	26,250	2,006	7.1	24,230	21,536	364	362	1,967
20 to 24 years	5,678	68.4	5,630	5,090	540	9.6	2,618	2,062	202	18	335
25 to 54 years	18,849	54.2	18,826	17,563	1,263	6.7	15,948	14,447	156	187	1,158
25 to 29 years	7,563	54.4	7,543	6,927	616	8.2	6,328	5,723	115	39	452
30 to 34 years	5,542	54.5	5,539	5,204	336	6.1	4,630	4,244	27	45	315
35 to 44 years	5,744	53.5	5,743	5,433	310	5.4	4,990	4,480	14	104	392
55 to 64 years	3,799	40.1	3,799	3,596	203	5.3	5,665	5,027	7	157	474
55 to 59 years	2,404	47.8	2,404	2,273	131	5.5	2,621	2,357	5	85	174
60 to 64 years	1,395	31.4	1,395	1,323	72	5.2	3,044	2,670	2	72	299
65 years and over	901	7.7	901	832	69	7.7	10,786	8,693	5	457	1,631
Black and other											
16 years and over	5,230	51.9	5,211	4,418	793	15.2	4,857	3,622	218	215	802
16 to 21 years	987	52.3	978	655	323	33.0	899	369	146	5	379
16 to 19 years	601	47.0	598	374	224	37.5	677	223	113	5	337
16 to 17 years	281	43.5	281	171	109	39.0	364	85	57	1	221
18 to 19 years	320	50.6	318	203	115	36.1	313	138	55	4	116
20 to 64 years	4,517	59.1	4,501	3,936	565	12.6	3,132	2,633	102	125	272
20 to 24 years	910	63.4	899	700	199	22.2	526	382	55	7	82
25 to 54 years	3,189	61.5	3,184	2,843	341	10.7	1,996	1,749	48	63	135
25 to 29 years	1,426	64.9	1,422	1,207	215	15.1	773	652	36	16	69
30 to 34 years	965	60.8	965	887	78	8.1	623	559	8	22	34
35 to 44 years	797	57.1	797	750	47	5.9	600	538	4	26	31
55 to 64 years	419	40.7	419	393	26	6.1	610	501	--	54	55
55 to 59 years	260	46.8	260	237	23	9.0	296	234	--	34	29
60 to 64 years	158	33.5	158	156	2	1.5	314	268	--	21	26
65 years and over	112	9.6	112	108	4	3.3	1,048	767	3	85	193

A-4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
MALES								
16 years and over	59,678	60,311	81.1	80.7	57,578	58,278	80.6	80.1
16 to 19 years	6,521	6,551	77.5	77.1	6,146	6,210	76.4	76.2
16 to 17 years	2,876	2,905	67.9	68.7	2,838	2,877	67.6	68.5
18 to 19 years	3,645	3,646	87.1	85.4	3,309	3,333	86.0	84.3
20 to 24 years	8,689	8,944	91.0	91.6	7,900	8,189	90.2	90.9
25 to 54 years	35,550	36,078	94.6	94.5	34,617	35,140	94.5	94.3
25 to 34 years	14,512	15,061	95.7	95.8	13,907	14,453	95.5	95.6
35 to 44 years	10,577	10,640	95.8	95.4	10,285	10,349	95.7	95.3
45 to 54 years	10,462	10,377	92.1	91.7	10,425	10,338	92.0	91.7
55 to 64 years	6,976	6,941	75.7	74.1	6,974	6,939	75.7	74.1
55 to 59 years	4,170	4,219	84.0	83.2	4,168	4,218	84.0	83.2
60 to 64 years	2,806	2,721	65.9	63.4	2,806	2,721	65.9	63.4
65 years and over	1,941	1,799	22.1	20.1	1,941	1,799	22.1	20.1
White								
16 years and over	53,298	53,847	81.8	81.4	51,542	52,154	81.3	80.9
16 to 19 years	5,739	5,781	79.8	79.9	5,432	5,492	78.9	79.0
16 to 17 years	2,535	2,535	70.4	70.7	2,502	2,510	70.1	70.5
18 to 19 years	3,204	3,246	89.3	88.8	2,930	2,982	88.4	88.0
20 to 24 years	7,643	7,841	92.1	92.8	6,998	7,234	91.5	92.2
25 to 54 years	31,763	32,215	95.2	95.1	30,962	31,419	95.0	95.0
25 to 34 years	12,887	13,381	96.1	96.3	12,370	12,868	95.9	96.1
35 to 44 years	9,418	9,460	96.3	95.9	9,167	9,212	96.2	95.8
45 to 54 years	9,459	9,374	92.9	92.7	9,425	9,339	92.9	92.6
55 to 64 years	6,379	6,400	76.3	75.4	6,377	6,398	76.3	75.4
55 to 59 years	3,809	3,877	84.6	84.5	3,807	3,876	84.6	84.5
60 to 64 years	2,570	2,522	66.7	64.7	2,569	2,522	66.7	64.7
65 years and over	1,773	1,610	22.3	19.9	1,773	1,610	22.3	19.9
Black and other								
16 years and over	6,380	6,465	76.2	74.9	6,036	6,124	75.1	73.9
16 to 19 years	782	770	63.7	61.2	714	718	61.6	59.6
16 to 17 years	341	370	54.0	57.4	336	367	53.6	57.2
18 to 19 years	441	400	74.0	65.2	378	351	70.9	62.2
20 to 24 years	1,046	1,102	83.4	84.3	901	955	81.2	82.4
25 to 54 years	3,787	3,863	90.4	89.4	3,655	3,721	90.1	89.1
25 to 34 years	1,625	1,680	92.9	91.7	1,537	1,586	92.5	91.3
35 to 44 years	1,159	1,179	91.8	91.5	1,118	1,137	91.6	91.2
45 to 54 years	1,003	1,003	85.1	83.7	1,000	999	85.0	83.6
55 to 64 years	597	541	69.2	61.9	597	541	69.2	61.9
55 to 59 years	361	342	78.3	71.4	361	342	78.2	71.4
60 to 64 years	236	199	58.7	50.3	236	199	58.7	50.3
65 years and over	168	189	19.9	21.6	168	189	19.9	21.6

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A-4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
FEMALES								
16 years and over	37,368	39,014	46.7	47.9	37,281	38,907	46.6	47.9
16 to 19 years	4,952	5,157	60.1	62.0	4,931	5,138	60.0	61.9
16 to 17 years	2,106	2,228	51.2	54.3	2,106	2,227	51.2	54.3
18 to 19 years	2,846	2,930	68.9	69.6	2,825	2,910	68.7	69.4
20 to 24 years	6,302	6,588	66.1	67.7	6,257	6,529	65.9	67.5
25 to 54 years	20,909	22,038	53.1	55.1	20,888	22,010	53.1	55.1
25 to 34 years	8,211	8,989	52.8	55.9	8,195	8,965	52.8	55.8
35 to 44 years	6,196	6,507	53.3	55.3	6,193	6,504	53.3	55.3
45 to 54 years	6,501	6,542	53.2	53.9	6,500	6,541	53.2	53.9
55 to 64 years	4,175	4,218	40.3	40.2	4,175	4,217	40.3	40.2
55 to 59 years	2,548	2,664	46.5	47.7	2,548	2,664	46.5	47.7
60 to 64 years	1,627	1,553	33.3	31.6	1,627	1,553	33.3	31.6
65 years and over	1,029	1,013	8.2	7.9	1,029	1,013	8.2	7.9
White								
16 years and over	32,419	33,784	46.2	47.4	32,347	33,696	46.1	47.3
16 to 19 years	4,327	4,556	61.9	64.7	4,310	4,539	61.8	64.7
16 to 17 years	1,839	1,947	52.9	56.3	1,839	1,947	52.9	56.3
18 to 19 years	2,488	2,609	70.8	72.9	2,471	2,593	70.7	72.8
20 to 24 years	5,489	5,678	67.4	68.4	5,451	5,630	67.2	68.3
25 to 54 years	17,957	18,849	52.3	54.2	17,939	18,826	52.3	54.1
25 to 34 years	6,931	7,563	51.6	54.4	6,917	7,543	51.5	54.4
35 to 44 years	5,282	5,542	52.4	54.5	5,282	5,539	52.4	54.5
45 to 54 years	5,743	5,744	53.0	53.5	5,742	5,743	53.0	53.5
55 to 64 years	3,718	3,799	39.8	40.1	3,718	3,799	39.8	40.1
55 to 59 years	2,253	2,404	45.7	47.8	2,253	2,404	45.6	47.8
60 to 64 years	1,465	1,395	33.3	31.4	1,465	1,395	33.3	31.4
65 years and over	928	901	8.1	7.7	928	901	8.1	7.7
Black and other								
16 years and over	4,949	5,230	50.5	51.9	4,934	5,211	50.4	51.8
16 to 19 years	625	601	49.9	47.0	621	598	49.7	46.9
16 to 17 years	267	281	42.2	43.5	267	281	42.2	43.5
18 to 19 years	358	320	57.7	50.6	354	318	57.5	50.4
20 to 24 years	813	910	58.5	63.4	805	899	58.2	63.1
25 to 54 years	2,952	3,189	58.7	61.5	2,949	3,184	58.6	61.5
25 to 34 years	1,280	1,426	60.9	64.9	1,278	1,422	60.9	64.8
35 to 44 years	914	965	58.9	60.8	914	965	58.9	60.8
45 to 54 years	758	797	55.0	57.1	758	797	55.0	57.0
55 to 64 years	457	419	45.0	40.7	457	419	45.0	40.7
55 to 59 years	295	260	54.8	46.8	295	260	54.8	46.8
60 to 64 years	162	158	34.0	33.5	162	158	34.0	33.5
65 years and over	101	112	9.1	9.6	101	112	9.1	9.6

A-5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	July 1976						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
Total							
16 years and over	9,767	8,306	290	8,016	1,461	15.0	6,203
16 to 19 years	1,181	756	59	698	424	35.9	1,079
16 to 17 years	573	350	40	310	222	38.8	595
18 to 19 years	608	406	19	387	202	33.2	484
20 to 24 years	1,570	1,215	27	1,187	355	22.6	632
25 to 54 years	5,898	5,278	128	5,151	620	10.5	2,070
25 to 34 years	2,549	2,194	41	2,152	356	14.0	736
35 to 44 years	1,809	1,656	34	1,622	153	8.5	625
45 to 54 years	1,540	1,429	52	1,377	111	7.2	709
55 to 64 years	853	807	50	757	46	5.4	864
55 to 59 years	533	496	19	476	37	7.0	395
60 to 64 years	320	311	31	281	9	2.7	469
65 years and over	266	250	27	223	16	5.9	1,558
Males							
16 years and over	5,265	4,529	227	4,302	736	14.0	1,936
16 to 19 years	648	436	38	398	212	32.7	452
16 to 17 years	327	208	25	183	119	36.4	259
18 to 19 years	321	228	13	216	93	28.8	193
20 to 24 years	813	633	21	612	180	22.1	169
25 to 54 years	3,163	2,857	98	2,758	307	9.7	405
25 to 34 years	1,335	1,175	38	1,138	160	12.0	121
35 to 44 years	970	889	24	864	82	8.4	102
45 to 54 years	858	792	36	756	65	7.6	182
55 to 64 years	477	452	42	410	26	5.4	306
55 to 59 years	298	278	15	264	19	6.5	123
60 to 64 years	180	173	27	146	6	3.6	183
65 years and over	164	152	28	124	12	7.3	604
Females							
16 years and over	4,502	3,777	63	3,714	725	16.1	4,268
16 to 19 years	533	320	20	300	213	39.9	627
16 to 17 years	246	142	15	128	103	42.1	336
18 to 19 years	287	178	6	172	109	38.1	291
20 to 24 years	757	582	6	575	175	23.1	463
25 to 54 years	2,735	2,422	29	2,393	313	11.4	1,666
25 to 34 years	1,214	1,018	4	1,014	196	16.1	615
35 to 44 years	838	767	10	757	71	8.5	523
45 to 54 years	682	637	15	621	46	6.7	527
55 to 64 years	375	355	8	347	20	5.4	558
55 to 59 years	235	217	5	213	18	7.7	271
60 to 64 years	140	138	4	134	2	1.6	287
65 years and over	102	99	--	99	4	3.6	954

NOTE: According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
TOTAL								
Total noninstitutional population	153,585	156,142	65,128	66,279	71,795	73,053	16,662	16,811
Total labor force	97,046	99,325	53,157	53,760	32,416	33,857	11,473	11,708
Percent of population	63.2	63.6	81.6	81.1	45.2	46.3	68.9	69.6
Civilian labor force	94,859	97,185	51,432	52,068	32,350	33,769	11,078	11,348
Employed	86,650	89,608	48,061	49,143	29,688	31,126	8,901	9,339
Agriculture	4,090	3,931	2,591	2,596	675	632	824	704
Nonagricultural industries	82,560	85,677	45,470	46,547	29,013	30,494	8,077	8,635
Unemployed	8,219	7,577	3,371	2,925	2,662	2,643	2,176	2,008
Percent of labor force	8.7	7.8	6.6	5.6	8.2	7.8	19.6	17.7
Not in labor force	56,540	56,817	11,971	12,518	39,379	39,196	5,190	5,102
White								
Total noninstitutional population	135,407	137,424	57,978	58,904	63,246	64,244	14,182	14,275
Total labor force	85,717	87,631	47,559	48,066	28,092	29,228	10,066	10,337
Percent of population	63.3	63.8	82.0	81.6	44.4	45.5	71.0	72.4
Civilian labor force	83,889	85,850	46,110	46,661	28,037	29,157	9,742	10,032
Employed	77,270	79,856	43,369	44,310	25,876	27,082	8,025	8,465
Agriculture	3,696	3,585	2,357	2,375	608	580	731	630
Nonagricultural industries	73,574	76,271	41,012	41,935	25,268	26,502	7,294	7,835
Unemployed	6,619	5,993	2,741	2,352	2,161	2,075	1,718	1,567
Percent of labor force	7.9	7.0	5.9	5.0	7.7	7.1	17.6	15.6
Not in labor force	49,690	49,793	10,419	10,839	35,154	35,016	4,116	3,938
Black and other								
Total noninstitutional population	18,179	18,719	7,149	7,374	8,549	8,808	2,481	2,536
Total labor force	11,329	11,695	5,598	5,695	4,324	4,629	1,407	1,371
Percent of population	62.3	62.5	78.3	77.2	50.6	52.5	56.7	54.1
Civilian labor force	10,970	11,335	5,322	5,406	4,313	4,613	1,335	1,316
Employed	9,380	9,752	4,692	4,833	3,812	4,044	877	874
Agriculture	394	346	234	221	67	52	93	74
Nonagricultural industries	8,986	9,405	4,458	4,612	3,745	3,992	784	801
Unemployed	1,590	1,584	630	573	501	569	459	442
Percent of labor force	14.5	14.0	11.8	10.6	11.6	12.3	34.4	33.6
Not in labor force	6,850	7,024	1,551	1,680	4,225	4,180	1,074	1,164

A-7. Employment status of the noninstitutional population 16-21 years of age by race and sex

[Numbers in thousands]

Employment status	July 1976								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	24,987	12,624	12,364	21,264	10,785	10,478	3,724	1,838	1,885
Total labor force	18,251	10,282	7,969	16,012	9,029	6,982	2,239	1,253	987
Percent of population	73.0	81.4	64.5	75.3	83.7	66.6	60.1	68.1	52.3
Civilian labor force	17,479	9,559	7,920	15,373	8,432	6,942	2,106	1,127	978
Employed	14,700	8,033	6,668	13,247	7,235	6,012	1,453	798	655
Agriculture	917	718	199	823	655	168	94	63	31
Nonagricultural industries	13,783	7,315	6,469	12,424	6,580	5,844	1,359	734	625
Unemployed	2,778	1,526	1,252	2,126	1,197	929	653	330	323
Percent of labor force	15.9	16.0	15.8	13.8	14.2	13.4	31.0	29.2	33.0
Looking for full-time work	2,037	1,136	901	1,549	888	660	488	248	241
Looking for part-time work	742	390	351	577	308	269	164	82	82
Not in labor force	6,737	2,342	4,395	5,252	1,756	3,496	1,484	586	899
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	394	149	245	324	127	197	70	22	47
Employed	258	96	162	235	91	143	23	5	19
Agriculture	5	10	--	6	11	--	--	--	--
Nonagricultural industries	253	86	167	229	81	148	24	5	19
Unemployed	136	53	82	90	36	54	46	18	28
Percent of labor force	34.5	35.8	33.7	27.6	28.0	27.4	(1)	(1)	(1)
Looking for full-time work	42	14	28	22	6	16	20	8	12
Looking for part-time work	94	40	54	68	30	38	26	10	16
Not in labor force	1,086	517	569	789	366	423	297	151	146
MAJOR ACTIVITY: OTHER									
Civilian labor force	17,085	9,409	7,675	15,049	8,305	6,744	2,036	1,105	931
Employed	14,442	7,937	6,506	13,013	7,143	5,869	1,430	793	637
Agriculture	912	708	204	817	644	173	95	64	31
Nonagricultural industries	13,530	7,229	6,301	12,195	6,500	5,696	1,335	729	606
Unemployed	2,643	1,473	1,170	2,036	1,161	875	606	312	295
Percent of labor force	15.5	15.7	15.2	13.5	14.0	13.0	29.8	28.2	31.6
Looking for full-time work	1,995	1,122	873	1,527	883	644	468	239	229
Looking for part-time work	647	351	297	509	278	231	138	72	66
Not in labor force	5,651	1,825	3,826	4,464	1,391	3,073	1,187	435	753

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

A-8. Full- and part-time status of the civilian labor force by sex, age, and race

[Numbers in thousands]

Race, sex, and age	July 1976								
	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									
Both sexes, 16 years and over	85,169	74,776	4,147	6,246	7.3	12,016	10,685	1,331	11.1
16 to 21 years	13,710	9,671	2,002	2,037	14.9	3,769	3,027	742	19.7
16 to 19 years	8,301	5,315	1,636	1,350	16.3	3,047	2,388	658	21.6
16 to 17 years	3,086	1,630	899	558	18.1	2,018	1,548	470	23.3
18 to 19 years	5,215	3,685	737	792	15.2	1,029	840	188	18.3
20 years and over	76,868	69,461	2,512	4,895	6.4	8,970	8,296	673	7.5
20 to 24 years	13,320	11,113	714	1,493	11.2	1,399	1,235	164	11.7
25 years and over	63,548	58,348	1,798	3,402	5.4	7,571	7,061	509	6.7
25 to 54 years	52,097	47,756	1,408	2,933	5.6	5,052	4,699	354	7.0
55 years and over	11,450	10,592	389	469	4.1	2,518	2,363	155	6.2
Males, 16 years and over	54,596	48,961	2,158	3,476	6.4	3,682	3,144	538	14.6
16 to 21 years	7,880	5,707	1,037	1,136	14.4	1,679	1,288	390	23.3
16 to 19 years	4,802	3,226	838	737	15.4	1,408	1,057	351	25.0
20 years and over	49,794	45,735	1,320	2,739	5.5	2,274	2,088	186	8.2
20 to 24 years	7,700	6,460	386	854	11.1	489	426	63	12.9
25 years and over	42,094	39,275	934	1,885	4.5	1,785	1,662	123	6.9
25 to 54 years	34,437	32,088	729	1,620	4.7	704	640	64	9.1
55 years and over	7,657	7,188	205	264	3.4	1,081	1,022	59	5.5
Females, 16 years and over	30,573	25,815	1,989	2,770	9.1	8,334	7,540	794	9.5
16 to 21 years	5,830	3,965	965	901	15.5	2,090	1,739	351	16.8
16 to 19 years	3,499	2,089	797	613	17.5	1,638	1,332	307	18.7
20 years and over	27,074	23,726	1,192	2,157	8.0	6,696	6,209	487	7.3
20 to 24 years	5,620	4,653	328	639	11.4	909	809	101	11.1
25 years and over	21,454	19,073	864	1,518	7.1	5,787	5,400	386	6.7
25 to 54 years	17,661	15,668	679	1,313	7.4	4,349	4,059	290	6.7
55 years and over	3,793	3,404	184	205	5.4	1,437	1,341	96	6.7
White									
Males, 16 years and over	48,943	44,347	1,789	2,807	5.7	3,211	2,795	416	13.0
16 to 21 years	6,956	5,206	862	888	12.8	1,475	1,167	308	20.9
16 to 19 years	4,248	2,960	698	590	13.9	1,245	963	281	22.6
20 years and over	44,695	41,387	1,091	2,217	5.0	1,966	1,831	135	6.9
20 to 24 years	6,809	5,818	318	673	9.9	426	377	49	11.5
25 years and over	37,886	35,569	773	1,544	4.1	1,540	1,454	86	5.6
25 to 54 years	30,839	28,916	613	1,309	4.2	580	541	39	6.7
55 years and over	7,048	6,653	160	236	3.3	960	913	47	4.9
Females, 16 years and over	26,201	22,503	1,598	2,101	8.0	7,494	6,825	669	8.9
16 to 21 years	5,100	3,628	812	660	12.9	1,841	1,572	269	14.6
16 to 19 years	3,089	1,949	680	460	14.9	1,451	1,215	236	16.3
20 years and over	23,113	20,554	917	1,641	7.1	6,044	5,611	433	7.2
20 to 24 years	4,809	4,087	263	458	9.5	821	740	82	9.9
25 years and over	18,304	16,467	654	1,183	6.5	5,223	4,871	351	6.7
25 to 54 years	14,869	13,365	505	999	6.7	3,957	3,695	263	6.6
55 years and over	3,436	3,103	149	184	5.4	1,265	1,176	89	7.0
Black and other									
Males, 16 years and over	5,653	4,614	369	669	11.8	471	350	122	25.8
16 to 21 years	924	500	176	248	26.8	204	121	82	40.4
16 to 19 years	554	267	140	147	26.6	163	93	70	42.8
20 years and over	5,098	4,348	229	521	10.2	308	256	52	16.8
20 to 24 years	891	642	68	181	20.4	64	49	14	(2)
25 years and over	4,207	3,706	161	340	8.1	244	207	38	15.6
25 to 54 years	3,598	3,171	115	311	8.6	124	97	25	20.2
55 years and over	609	535	46	29	4.8	121	109	12	9.9
Females, 16 years and over	4,372	3,312	391	669	15.3	839	715	124	14.8
16 to 21 years	730	337	153	241	33.0	248	166	82	33.1
16 to 19 years	411	140	117	154	37.4	188	117	71	37.6
20 years and over	3,961	3,172	274	515	13.0	652	598	54	8.2
20 to 24 years	811	566	65	180	22.2	88	69	19	21.6
25 years and over	3,150	2,606	209	335	10.6	564	529	35	6.2
25 to 54 years	2,792	2,305	174	314	11.2	392	365	27	6.9
55 years and over	358	301	34	21	5.9	172	164	8	4.7

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

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

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A-9. Unemployed persons by sex and age

Age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
Total, 16 years and over	4,579	4,014	8.0	6.9	3,631	3,563	9.7	9.2
16 to 19 years	1,208	1,089	19.7	17.5	969	920	19.6	17.9
16 to 17 years	600	575	21.1	20.0	427	453	20.3	20.3
18 to 19 years	608	514	18.4	15.4	542	467	19.2	16.0
20 years and over	3,371	2,925	6.6	5.6	2,662	2,643	8.2	7.8
20 to 24 years	1,112	917	14.1	11.2	831	739	13.3	11.3
25 years and over	2,259	2,007	5.2	4.6	1,831	1,904	7.0	7.0
25 to 34 years	955	881	6.9	6.1	822	831	10.0	9.3
35 to 44 years	462	421	4.5	4.1	372	414	6.0	6.4
45 to 54 years	483	382	4.6	3.7	367	357	5.7	5.5
55 to 64 years	267	252	3.8	3.6	222	229	5.3	5.4
55 to 59 years	140	157	3.4	3.7	124	155	4.9	5.8
60 to 64 years	128	95	4.5	3.5	98	74	6.0	4.8
65 years and over	92	71	4.8	4.0	47	73	4.6	7.2
Household heads, 16 years and over	2,345	2,004	5.2	4.4	649	669	8.0	7.9
16 to 24 years	462	349	10.8	8.1	128	115	11.8	9.8
25 to 54 years	1,540	1,342	4.8	4.1	388	416	8.1	8.1
55 years and over	343	313	4.0	3.7	133	136	5.9	6.3

A-10. Unemployed persons by marital status, sex, age, and race

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
Total, 16 years and over	4,579	4,014	8.0	6.9	3,631	3,563	9.7	9.2
Married, spouse present	1,927	1,559	4.8	3.9	1,628	1,622	8.0	7.6
Widowed, divorced, or separated	377	408	10.3	10.5	605	609	9.1	8.8
Single (never married)	2,274	2,047	16.4	14.1	1,398	1,333	13.8	12.4
White, 16 years and over	3,707	3,223	7.2	6.2	2,913	2,770	9.0	8.2
Married, spouse present	1,633	1,315	4.5	3.6	1,399	1,373	7.7	7.2
Widowed, divorced, or separated	276	305	9.4	9.6	468	446	8.7	8.0
Single (never married)	1,798	1,603	14.8	12.7	1,045	952	12.0	10.4
Black and other, 16 years and over	872	791	14.4	12.9	718	793	14.5	15.2
Married, spouse present	294	244	8.3	7.0	228	249	10.4	11.0
Widowed, divorced, or separated	102	103	13.6	14.1	137	163	10.6	12.1
Single (never married)	476	443	27.0	23.4	353	381	24.3	23.9
Total, 20 to 64 years of age	3,279	2,854	6.6	5.7	2,615	2,570	8.3	7.8
Married, spouse present	1,818	1,476	4.8	3.9	1,506	1,512	7.6	7.4
Widowed, divorced, or separated	354	385	10.4	10.6	558	553	9.3	8.8
Single (never married)	1,106	993	13.9	11.7	552	506	9.9	8.4
White, 20 to 64 years of age	2,659	2,293	6.0	5.1	2,117	2,006	7.8	7.1
Married, spouse present	1,538	1,242	4.4	3.6	1,299	1,279	7.4	7.0
Widowed, divorced, or separated	258	286	9.6	9.7	428	392	8.9	7.9
Single (never married)	863	765	12.6	10.4	390	335	8.3	6.7
Black and other, 20 to 64 years of age	619	560	12.0	10.7	498	565	11.8	12.6
Married, spouse present	280	233	8.3	7.0	206	233	9.8	10.6
Widowed, divorced, or separated	97	100	13.9	14.8	130	162	10.7	12.8
Single (never married)	243	228	22.8	19.2	162	171	18.3	16.5

A-11. Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
Total	8,209	7,577	8.7	7.8	8.0	6.9	9.7	9.2
White-collar workers	2,200	2,246	5.0	4.9	3.4	3.2	6.5	6.6
Professional and technical	537	495	4.2	3.7	3.2	2.6	5.3	5.4
Managers and administrators, except farm	266	329	2.9	3.4	2.5	2.7	4.5	6.1
Sales workers	293	301	5.0	5.2	3.4	3.4	7.1	7.6
Clerical workers	1,105	1,121	6.7	6.7	5.4	5.6	7.1	6.9
Blue-collar workers	3,616	2,884	11.1	8.6	10.0	8.0	16.0	11.2
Craft and kindred workers	963	772	7.8	6.1	7.7	6.1	10.5	5.9
Carpenters and other construction craft	477	375	12.1	9.4	12.1	9.5	(1)	--
All other	486	397	5.7	4.6	5.4	4.5	10.2	6.3
Operatives, except transport	1,608	1,194	14.4	10.3	12.7	9.3	16.8	12.0
Transport equipment operatives	269	261	7.7	7.3	7.4	7.3	13.7	6.7
Norfarm laborers	777	657	13.8	11.3	13.7	11.2	15.0	12.8
Construction laborers	233	207	20.4	18.3	20.4	18.4	(1)	(1)
All other	544	450	12.1 ^c	9.6	11.8	9.3	14.8	12.6
Service workers	1,130	1,186	8.7	8.7	8.9	8.5	8.5	8.9
Private household	65	69	5.5	5.9	(1)	(1)	5.5	6.0
All other	1,065	1,116	9.0	9.0	8.9	8.5	9.1	9.3
Farm workers	87	128	2.4	3.6	2.1	3.3	3.5	5.1
No previous work experience	1,176	1,133	--	--	--	--	--	--
16 to 19 years	968	943	--	--	--	--	--	--
20 to 24 years	147	114	--	--	--	--	--	--
25 years and over	61	77	--	--	--	--	--	--

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

c = corrected.

A-12. Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
Total	100.0	100.0	8.7	7.8	8.0	6.9	9.7	9.2
Nonagricultural private wage and salary workers	73.9	70.5	8.8	7.6	8.4	7.0	9.6	8.6
Mining	.4	.5	4.8	4.9	5.0	5.5	(1)	--
Construction	8.9	8.2	15.5	13.3	15.9	13.4	9.4	12.2
Manufacturing	28.1	21.0	10.9	7.4	9.2	6.1	15.1	10.3
Durable goods	17.6	11.8	11.5	7.0	10.1	6.3	16.4	9.2
Lumber and wood products	.6	.6	11.2	6.0	9.7	5.4	18.9	9.6
Furniture and fixtures	.8	.8	11.9	11.0	7.9	12.4	20.9	7.6
Stone, clay, and glass products	.8	.4	9.6	4.6	9.3	4.3	10.9	6.0
Primary metal industries	2.0	1.3	12.1	7.0	10.0	6.6	25.8	10.9
Fabricated metal products	2.3	1.6	12.8	7.6	12.6	8.0	13.6	6.4
Machinery, except electrical equipment	2.7	1.8	9.7	5.8	8.1	5.6	16.6	7.0
Electrical equipment	3.3	1.8	12.6	6.4	9.0	3.3	18.1	10.5
Transportation equipment	3.3	2.1	13.3	7.6	12.8	7.4	16.7	8.6
Automobiles	2.1	1.1	16.5	7.9	16.1	8.1	20.3	6.9
Other transportation equipment	1.2	1.0	10.1	7.3	9.2	6.6	14.4	10.8
Instruments and related products	.3	.4	5.1	5.7	2.0	2.7	8.0	9.6
Other durable goods industries	1.0	1.0	12.7	10.4	11.5	8.7	14.6	13.3
Nondurable goods	10.6	9.2	10.1	8.0	7.5	5.8	14.0	11.2
Food and kindred products	2.5	2.2	10.9	8.9	8.8	7.6	16.5	11.9
Textile mill products	1.3	1.0	12.3	7.7	8.6	6.2	16.7	9.4
Apparel and other textile products	2.1	2.1	12.8	11.5	9.0	6.3	13.8	12.8
Paper and allied products	.5	.6	6.6	6.3	6.7	6.3	5.9	6.4
Printing and publishing	1.1	1.2	7.1	6.6	6.2	5.3	8.6	9.0
Chemicals and allied products	1.2	.8	7.6	4.9	5.5	3.6	14.2	8.3
Rubber and plastics products	1.1	.7	13.1	8.1	9.2	5.0	19.4	13.8
Other nondurable goods industries	.8	.7	10.1	8.5	7.0	4.6	13.9	14.2
Transportation and public utilities	3.0	3.0	5.1	4.7	5.0	4.8	5.4	4.6
Railroads and railway express	.2	.3	3.1	3.8	3.4	3.9	(1)	(1)
Other transportation	2.1	2.1	7.9	7.2	7.8	7.5	8.4	5.8
Communication and other public utilities	.6	.6	2.6	2.2	1.7	1.2	4.3	4.1
Wholesale and retail trade	18.3	20.8	8.7	8.7	7.5	7.4	10.1	10.4
Finance, insurance, and real estate	2.7	2.5	4.9	4.1	3.8	3.4	5.7	4.7
Service industries	12.5	14.4	6.9	6.9	6.9	6.5	6.9	7.2
Professional services	5.3	6.3	5.4	5.6	4.9	4.6	5.9	6.1
All other service industries	7.2	8.0	8.7	8.4	8.4	8.0	9.0	8.8
Agricultural wage and salary workers	1.5	2.2	6.8	9.2	6.4	8.7	8.4	11.3
All other classes of workers	10.2	12.4	3.6	3.9	2.8	2.9	4.7	5.4
No previous work experience	14.3	15.0	--	--	--	--	--	--

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

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A-13. Unemployed persons by reason for unemployment, sex, age, and race

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	8,209	7,577	3,371	2,925	2,662	2,642	2,176	2,008	6,619	5,993	1,590	1,584
Job losers	4,302	3,505	2,448	2,012	1,409	1,103	445	390	3,528	2,854	774	651
Job leavers	845	1,000	309	363	376	478	160	158	713	847	131	152
Reentrants	1,895	1,945	525	478	759	950	610	518	1,497	1,457	397	488
New entrants	1,168	1,128	88	72	118	113	962	942	881	835	287	292
Total unemployed, percent distribution	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	52.4	46.3	72.6	68.8	52.9	41.7	20.4	19.4	53.3	47.6	48.7	41.1
Job leavers	10.3	13.2	9.2	12.4	14.1	18.1	7.3	7.9	10.8	14.1	8.3	9.6
Reentrants	23.1	25.7	15.6	16.3	28.5	36.0	28.0	25.8	22.6	24.3	25.0	30.8
New entrants	14.2	14.9	2.6	2.5	4.4	4.3	44.2	46.9	13.3	13.9	18.1	18.4
UNEMPLOYMENT RATE												
Total unemployment rate	8.7	7.8	6.6	5.6	8.2	7.8	19.6	17.7	7.9	7.0	14.5	14.0
Job loser rate ¹	4.5	3.6	4.8	3.9	4.3	3.3	4.0	3.4	4.2	3.3	7.1	5.7
Job leaver rate ¹ .....	.9	1.0	.6	.7	1.2	1.4	1.4	1.4	.8	1.0	1.2	1.3
Reentrant rate ¹	2.0	2.0	1.0	.9	2.3	2.8	5.5	4.6	1.8	1.7	3.6	4.3
New entrant rate ¹	1.2	1.2	.2	.1	.4	.3	8.7	8.3	1.1	1.0	2.6	2.6

¹ Unemployment rates are calculated as a percent of the civilian labor force.

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

[Percent distribution]

Reason, sex, and age	July 1976						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,577	100.0	40.5	31.7	27.8	10.6	17.2
Job losers	3,505	100.0	34.7	25.1	40.3	14.1	26.2
Job leavers	1,000	100.0	44.7	30.3	25.0	11.3	13.7
Reentrants	1,945	100.0	44.6	37.7	17.7	7.8	9.9
New entrants	1,128	100.0	47.6	43.0	9.4	4.2	5.2
Males, 20 years and over	2,925	100.0	32.7	29.4	38.0	12.8	25.2
Job losers	2,012	100.0	32.3	24.4	43.5	13.8	29.5
Job leavers	363	100.0	35.9	35.4	28.8	11.9	16.9
Reentrants	478	100.0	31.6	43.5	24.9	10.9	14.0
New entrants	72	100.0	(1)	(1)	(1)	(1)	(1)
Females, 20 years and over	2,642	100.0	41.9	28.6	29.5	11.8	17.7
Job losers	1,103	100.0	31.4	26.1	42.4	16.4	26.0
Job leavers	478	100.0	42.2	29.9	27.9	12.7	15.2
Reentrants	950	100.0	51.8	30.5	17.6	6.7	10.9
New entrants	113	100.0	60.7	29.5	9.9	5.4	4.5
Both sexes, 16 to 19 years	2,008	100.0	49.9	39.2	11.0	6.0	5.0
Job losers	390	100.0	56.3	25.8	17.9	8.7	9.2
Job leavers	158	100.0	71.4	21.1	7.5	5.6	1.9
Reentrants	518	100.0	43.1	45.6	11.3	7.0	4.3
New entrants	942	100.0	47.1	44.3	8.6	4.5	4.1

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

A-15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race

Sex, age, and race	July 1976								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unem- ployed	Total job- seekers	Public employ- ment agency	Private employ- ment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	7,577	6,438	28.9	6.2	71.1	30.4	17.9	6.6	1.61
16 to 19 years	2,008	1,892	21.0	3.3	76.8	26.6	18.3	4.5	1.51
20 to 24 years	1,656	1,434	33.4	7.0	72.1	35.2	16.4	4.5	1.69
25 to 34 years	1,713	1,404	31.6	8.6	68.8	32.8	17.8	9.0	1.69
35 to 44 years	835	649	35.7	7.2	65.5	28.5	20.2	7.6	1.65
45 to 54 years	739	578	29.8	6.1	63.0	32.0	18.2	10.7	1.60
55 to 64 years	481	363	32.0	6.3	73.0	24.8	14.9	8.8	1.60
65 years and over	144	117	14.5	6.8	60.7	23.9	26.5	7.7	1.40
Males, 16 years and over	4,014	3,337	30.7	6.4	71.6	28.0	21.2	8.8	1.67
16 to 19 years	1,089	1,015	20.3	2.1	78.1	24.0	20.8	5.4	1.51
20 to 24 years	917	771	34.8	6.0	73.4	32.8	17.4	5.4	1.70
25 to 34 years	881	671	34.6	11.0	68.3	31.0	22.4	13.0	1.80
35 to 44 years	421	330	44.8	11.2	65.5	24.2	24.8	9.4	1.80
45 to 54 years	382	303	31.4	8.6	62.0	29.4	22.4	16.2	1.70
55 to 64 years	252	188	39.4	3.2	68.1	25.5	22.8	12.8	1.72
65 years and over	71	59	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,563	3,101	26.8	5.9	70.6	33.1	14.3	4.4	1.55
16 to 19 years	920	877	22.0	4.9	75.4	29.6	15.4	3.4	1.51
20 to 24 years	739	663	31.8	8.1	70.4	38.0	15.2	3.5	1.67
25 to 34 years	831	733	28.9	6.4	69.3	34.5	13.6	5.5	1.58
35 to 44 years	414	319	26.3	3.1	65.8	32.9	15.4	5.6	1.49
45 to 54 years	357	275	27.6	3.6	64.0	34.5	13.5	4.7	1.48
55 to 64 years	229	175	24.0	9.1	78.9	24.0	6.9	4.6	1.48
65 years and over	73	58	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	5,993	5,005	27.3	6.0	71.6	32.8	18.3	6.5	1.63
Males	3,223	2,640	29.5	6.2	71.5	30.4	22.1	8.8	1.69
Females	2,770	2,365	24.7	5.8	71.8	35.6	14.1	4.0	1.56
Black and other	1,584	1,433	34.3	6.8	69.3	22.0	16.4	7.2	1.56
Males	791	697	35.2	7.3	72.0	18.7	17.9	8.6	1.60
Females	793	736	33.6	6.1	66.8	25.1	14.9	5.8	1.52

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

waiting to begin a new wage and salary 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.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

A-16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment

Sex and reason	July 1976								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unem- ployed	Total job- seekers	Public employ- ment agency	Private employ- ment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	7,577	6,438	28.9	6.2	71.1	30.4	17.9	6.6	1.61
Job losers	3,505	2,542	36.4	6.5	69.0	33.8	18.9	7.7	1.72
Job leavers	1,000	974	30.1	7.1	73.4	32.4	17.0	3.8	1.64
Reentrants	1,945	1,816	23.8	6.8	69.4	29.8	15.5	7.8	1.53
New entrants	1,128	1,106	18.6	3.6	76.8	22.0	20.3	5.0	1.46
Males, 16 years and over	4,014	3,337	30.7	6.4	71.6	28.0	21.2	8.8	1.67
Job losers	2,275	1,692	36.5	6.8	69.5	31.2	22.0	10.2	1.76
Job leavers	442	421	33.3	7.8	70.8	28.5	19.2	6.2	1.66
Reentrants	758	693	25.8	6.6	70.9	27.8	19.8	9.5	1.60
New entrants	539	530	16.8	3.8	80.0	17.4	22.3	5.1	1.45
Females, 16 years and over	3,563	3,101	26.8	5.9	70.6	33.1	14.3	4.4	1.55
Job losers	1,230	850	36.2	5.9	68.0	38.9	12.6	2.7	1.64
Job leavers	557	552	27.7	6.5	75.5	35.5	15.4	2.0	1.63
Reentrants	1,187	1,123	22.6	6.8	68.4	31.0	12.9	6.7	1.48
New entrants	589	576	20.3	3.6	74.0	26.2	18.4	4.9	1.47

NOTE: See note, table A-15.

HOUSEHOLD DATA

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household heads			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
Total	8,209	7,577	100.0	100.0	2,994	2,672	100.0	100.0
Less than 5 weeks	2,981	3,066	36.3	40.5	876	940	29.3	35.2
5 to 14 weeks	2,536	2,401	30.9	31.7	802	720	26.8	26.9
5 to 10 weeks	2,034	1,885	24.8	24.9	597	538	19.9	20.1
11 to 14 weeks	502	516	6.1	6.8	206	182	6.9	6.8
15 weeks and over	2,692	2,111	32.8	27.9	1,315	1,013	43.9	37.9
15 to 26 weeks	1,220	805	14.9	10.6	568	352	19.0	13.2
27 weeks and over	1,472	1,306	17.9	17.2	747	660	24.9	24.7
27 to 51 weeks								
52 weeks and over								
Average (mean) duration	14.2	14.9	--	--	--	19.0	--	--

A-18. Unemployed persons by duration, sex, age, race, and marital status

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		July 1975	July 1976	July 1975	July 1976
	July 1976						July 1975	July 1976	July 1975	July 1976
Total, 16 years and over	7,577	3,066	2,401	805	1,306	14.9	36.3	40.5	32.8	27.9
16 to 21 years	2,778	1,319	1,062	203	194	9.2	45.1	47.5	17.3	14.3
16 to 19 years	2,008	1,002	787	120	100	7.7	47.8	49.9	12.4	10.9
20 to 24 years	1,656	659	572	186	240	13.8	36.9	39.8	33.0	25.7
25 to 34 years	1,713	651	502	198	362	16.9	32.4	38.0	40.8	32.7
35 to 44 years	835	310	213	117	195	18.8	27.6	37.1	44.0	37.4
45 to 54 years	739	234	194	90	220	22.2	28.7	31.7	45.3	42.0
55 to 64 years	481	163	98	70	149	22.3	29.3	33.8	45.5	45.7
65 years and over	144	47	34	24	39	19.9	22.6	32.2	58.6	43.9
Males, 16 years and over	4,014	1,487	1,303	431	792	16.3	33.5	37.1	36.4	30.5
16 to 21 years	1,526	694	611	110	111	9.4	42.7	45.5	20.7	14.5
16 to 19 years	1,089	532	443	58	55	7.8	45.0	48.9	15.6	10.4
20 to 24 years	917	329	328	103	157	15.3	35.9	35.9	36.4	28.3
25 to 34 years	881	314	238	106	224	18.3	26.3	35.6	45.0	37.3
35 to 44 years	421	133	110	58	121	22.6	24.6	31.5	47.8	42.4
45 to 54 years	382	89	119	49	126	24.0	27.1	23.2	50.0	45.7
55 to 64 years	252	64	50	43	95	26.8	28.4	25.4	48.3	54.9
65 years and over	71	26	15	15	15	19.2	24.0	(1)	58.5	(1)
Females, 16 years and over	3,563	1,578	1,098	374	514	13.3	39.8	44.3	28.2	24.9
16 to 21 years	1,252	626	451	93	82	8.9	48.0	50.0	12.9	14.0
16 to 19 years	920	470	343	62	45	7.6	51.3	51.1	8.5	11.6
20 to 24 years	739	329	244	83	82	12.0	38.2	44.6	28.3	22.4
25 to 34 years	831	336	264	92	139	15.3	39.5	40.5	35.9	27.8
35 to 44 years	414	178	103	59	75	14.9	31.3	42.9	39.4	32.3
45 to 54 years	357	146	76	41	95	20.2	30.9	40.7	39.1	38.0
55 to 64 years	229	99	49	27	54	17.4	30.3	43.1	42.2	35.6
65 years and over	73	20	19	9	24	20.6	(1)	(1)	(1)	(1)
White	5,993	2,450	1,849	654	1,040	14.9	35.9	40.9	33.8	28.3
Males	3,223	1,210	1,024	350	639	16.3	33.2	37.6	37.2	30.7
Females	2,770	1,240	825	304	401	13.3	39.5	44.8	29.5	25.4
Black and other	1,584	615	552	150	266	14.8	37.9	38.8	28.6	26.3
Males	791	277	279	81	153	16.2	35.1	35.1	33.3	29.6
Females	793	338	273	69	113	13.4	41.2	42.6	22.9	23.0
Males:										
Married, spouse present	1,559	493	423	212	431	20.6	27.6	31.6	47.5	41.2
Widowed, divorced, or separated	408	151	109	43	106	19.3	29.5	37.0	41.5	36.4
Single (never married)	2,047	843	771	177	256	12.4	39.2	41.2	26.2	21.1
Females:										
Married, spouse present	1,622	700	447	205	270	14.9	37.6	43.2	36.3	29.3
Widowed, divorced, or separated	609	254	162	61	132	16.6	35.8	41.7	31.3	31.8
Single (never married)	1,333	625	489	107	112	9.9	44.2	46.9	17.4	16.4

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

A-19. Unemployed persons by duration, occupation, and industry of last job

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		July 1975	July 1976	July 1975	July 1976
	July 1976									
OCCUPATION										
White-collar workers	2,246	851	693	291	410	15.4	37.4	37.9	32.8	31.2
Professional and managerial	824	278	275	123	147	16.0	37.5	33.7	32.6	32.9
Sales workers	301	118	105	40	37	13.4	37.2	39.4	32.4	25.6
Clerical workers	1,121	455	313	237	226	15.6	37.4	40.6	33.0	31.5
Blue-collar workers	2,884	1,076	825	333	651	18.0	30.0	37.3	42.9	34.1
Craft and kindred workers	772	265	235	95	177	18.2	28.7	34.4	44.3	35.2
Operatives, except transport	1,194	445	326	141	282	18.9	27.5	37.3	44.9	35.4
Transport equipment operatives	261	87	64	36	74	20.8	29.4	33.4	41.5	42.2
Nonfarm laborers	657	278	200	60	119	14.9	37.0	42.3	37.4	27.2
Service workers	1,186	518	365	130	173	13.7	40.2	43.7	25.5	25.5
INDUSTRY¹										
Agriculture	169	93	53	10	13	7.9	48.5	55.1	22.9	13.6
Construction	661	226	194	76	165	18.0	32.2	34.3	40.3	36.3
Manufacturing	1,597	563	415	220	399	19.5	25.4	35.3	46.8	38.8
Durable goods	901	287	227	126	261	21.5	24.7	31.8	48.9	43.0
Nondurable goods	696	277	188	93	138	16.8	26.4	39.8	43.3	33.2
Transportation and public utilities	258	99	59	32	67	20.5	39.0	38.4	39.3	38.6
Wholesale and retail trade	1,584	637	498	199	250	14.4	37.3	40.2	32.5	28.4
Finance and service industries	1,781	753	581	186	261	13.1	41.9	42.3	26.1	25.2
Public administration	238	78	60	26	74	21.1	30.7	32.6	26.7	42.2
No previous work experience	1,133	541	484	50	58	8.3	48.8	47.7	10.5	9.5

¹ Includes wage and salary workers only.

A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
	All industries	86,650	89,608	53,000	54,264	33,650	35,344
16 to 19 years	8,901	9,339	4,934	5,122	3,967	4,218
16 to 17 years	3,917	4,076	2,238	2,302	1,679	1,774
18 to 19 years	4,984	5,263	2,701	2,820	2,283	2,443
20 to 24 years	12,214	13,062	6,788	7,272	5,426	5,790
25 to 54 years	52,044	53,863	32,718	33,457	19,327	20,407
25 to 34 years	20,325	21,705	12,953	13,572	7,373	8,134
35 to 44 years	15,644	16,018	9,823	9,928	5,821	6,090
45 to 54 years	16,075	16,140	9,942	9,957	6,133	6,183
55 to 64 years	10,660	10,676	6,707	6,687	3,953	3,989
55 to 59 years	6,452	6,571	4,028	4,062	2,424	2,510
60 to 64 years	4,208	4,105	2,678	2,626	1,530	1,479
65 years and over	2,831	2,668	1,849	1,728	982	940
Nonagricultural industries	82,560	85,677	49,752	51,123	32,809	34,554
16 to 19 years	8,077	8,635	4,282	4,576	3,796	4,060
16 to 17 years	3,460	3,645	1,880	1,962	1,580	1,683
18 to 19 years	4,618	4,991	2,402	2,614	2,216	2,376
20 to 24 years	11,818	12,575	6,459	6,866	5,359	5,709
25 to 54 years	50,186	52,025	31,296	32,039	18,890	19,985
25 to 34 years	19,733	21,075	12,503	13,067	7,230	8,008
35 to 44 years	15,059	15,509	9,379	9,547	5,680	5,962
45 to 54 years	15,394	15,441	9,414	9,425	5,980	6,015
55 to 64 years	10,040	10,126	6,205	6,228	3,835	3,898
55 to 59 years	6,103	6,271	3,758	3,822	2,345	2,449
60 to 64 years	3,937	3,854	2,447	2,405	1,490	1,449
65 years and over	2,439	2,315	1,509	1,413	929	902
Agriculture	4,090	3,931	3,248	3,141	842	790
16 to 19 years	824	704	657	546	167	158
16 to 17 years	458	431	358	340	100	91
18 to 19 years	366	272	299	205	67	67
20 to 24 years	396	487	329	406	67	81
25 to 54 years	1,859	1,837	1,422	1,415	437	422
25 to 34 years	593	630	450	504	143	126
35 to 44 years	585	508	444	380	141	128
45 to 54 years	681	699	528	531	153	168
55 to 64 years	620	550	501	460	118	91
55 to 59 years	349	300	270	239	79	60
60 to 64 years	270	251	231	220	39	30
65 years and over	392	352	339	314	53	38

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A-21. Employed persons by occupation, sex, and age

(In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
	TOTAL	86,650	89,608	48,061	49,143	29,688	31,126	4,939	5,122	3,962	4,218
White-collar workers	42,110	43,179	20,561	20,639	18,930	19,838	728	751	1,890	1,950
Professional and technical	12,362	12,712	7,247	7,320	4,836	5,102	158	138	121	153
Health workers	2,178	2,351	748	811	1,414	1,525	6	--	10	16
Teachers, except college	2,376	2,460	641	631	1,718	1,794	4	4	12	32
Other professional and technical	7,808	7,901	858	5,878	1,704	1,783	148	134	99	105
Managers and administrators, except farm	8,841	9,298	7,090	7,267	1,675	1,929	58	82	18	20
Salaried workers	7,029	7,468	5,654	5,822	1,303	1,555	53	72	18	20
Self-employed workers in retail trade	893	911	646	643	244	264	3	3	--	1
Self-employed workers, except retail trade	920	921	790	802	127	111	2	8	--	--
Sales workers	5,607	5,473	3,076	2,983	1,917	1,848	218	231	396	410
Retail trade	3,146	2,950	1,074	976	1,512	1,423	191	177	369	374
Other industries	2,462	2,522	2,002	2,008	406	425	27	54	27	36
Clerical workers	15,299	15,695	3,148	3,069	10,502	10,960	294	300	1,355	1,366
Stenographers, typists, and secretaries	4,432	4,592	60	36	3,939	4,119	7	18	426	419
Other clerical workers	10,867	11,103	3,088	3,033	6,563	6,841	287	282	929	947
Blue-collar workers	29,100	30,634	21,696	22,550	4,340	4,761	2,684	2,837	379	487
Craft and kindred workers	11,410	11,816	10,416	10,663	464	563	498	534	32	57
Carpenters	1,097	1,108	1,013	1,019	6	10	78	77	--	3
Construction craft, except carpenters	2,371	2,495	2,168	2,295	40	22	160	171	2	7
Mechanics and repairers	2,945	3,008	2,759	2,807	16	24	165	175	5	1
Metal craft	1,096	1,142	1,056	1,076	15	34	24	29	--	3
Blue-collar worker supervisors, not elsewhere classified	1,462	1,545	1,348	1,404	112	123	2	9	--	8
All other	2,440	2,520	2,072	2,062	275	350	68	73	25	35
Operatives, except transport	9,590	10,353	5,246	5,571	3,463	3,733	652	757	229	292
Durable goods manufacturing	4,094	4,585	2,670	2,878	1,225	1,369	158	252	40	85
Nondurable goods manufacturing	3,071	3,284	1,169	1,271	1,672	1,748	117	123	113	142
Other industries	2,425	2,484	1,407	1,422	566	616	377	382	76	65
Transport equipment operatives	3,237	3,326	2,915	2,986	115	136	192	188	14	17
Drivers, motor vehicles	2,737	2,782	2,442	2,498	113	123	172	147	11	14
All other	499	544	473	488	2	13	20	41	4	2
Nonfarm laborers	4,863	5,139	3,119	3,329	298	330	1,342	1,358	104	122
Construction	910	921	656	676	--	7	242	236	12	2
Manufacturing	1,023	1,121	744	850	110	122	158	141	11	8
Other industries	2,930	3,097	1,719	1,803	188	201	943	981	80	112
Service workers	11,881	12,416	3,498	3,700	5,844	5,989	981	1,075	1,558	1,652
Private household workers	1,116	1,107	15	27	787	783	6	14	307	283
Service workers, except private household	10,765	11,309	3,483	3,673	5,057	5,205	975	1,062	1,251	1,369
Food service workers	3,764	4,093	667	711	1,886	1,962	473	578	737	842
Protective service workers	1,247	1,268	1,158	1,178	63	66	24	15	3	10
All other	5,754	5,948	1,658	1,784	3,108	3,177	478	469	511	517
Farm workers	3,560	3,379	2,306	2,254	573	538	545	458	136	129
Farmers and farm managers	1,702	1,669	1,537	1,525	123	116	33	23	8	5
Farm laborers and supervisors	1,858	1,710	769	729	450	423	512	435	127	124
Paid workers	1,337	1,260	722	679	151	170	370	327	94	85
Unpaid family workers	521	450	47	50	299	253	142	108	33	39

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A-22. Employed persons by occupation, sex, and race

[Percent distribution]

Occupation and race	Total		Males		Females	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
TOTAL						
Total employed (thousands)	86,650	89,608	53,000	54,264	33,650	35,344
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.6	48.2	40.2	39.4	61.9	61.6
Professional and technical	14.3	14.2	14.0	13.7	14.7	14.9
Managers and administrators, except farm	10.2	10.4	13.5	13.5	5.0	5.5
Sales workers	6.5	6.1	6.2	5.9	6.9	6.4
Clerical workers	17.7	17.5	6.5	6.2	35.2	34.9
Blue-collar workers	33.6	34.2	46.0	46.8	14.0	14.8
Craft and kindred workers	13.2	13.2	20.6	20.6	1.5	1.8
Operatives, except transport	11.1	11.6	11.1	11.7	11.0	11.4
Transport equipment operatives	3.7	3.7	5.9	5.8	.4	.4
Nonfarm laborers	5.6	5.7	8.4	8.6	1.2	1.3
Service workers	13.7	13.9	8.5	8.8	22.0	21.6
Private household workers	1.3	1.2	(1)	.1	3.3	3.0
Other service workers	12.4	12.6	8.4	8.7	18.7	18.6
Farm workers	4.1	3.8	5.4	5.0	2.1	1.9
Farmers and farm managers	2.0	1.9	3.0	2.9	.4	.3
Farm laborers and supervisors	2.1	1.9	2.4	2.1	1.7	1.5
White						
Total employed (thousands)	77,270	79,856	47,836	48,931	29,434	30,926
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.4	50.0	41.7	41.1	64.5	64.0
Professional and technical	14.6	14.6	14.4	14.3	15.0	15.1
Managers and administrators, except farm	11.0	11.1	14.4	14.4	5.4	5.9
Sales workers	6.9	6.5	6.6	6.3	7.4	7.0
Clerical workers	17.9	17.7	6.4	6.1	36.6	36.1
Blue-collar workers	33.2	33.6	45.3	45.8	13.5	14.3
Craft and kindred workers	13.8	13.7	21.3	21.2	1.5	1.8
Operatives, except transport	10.6	11.0	10.8	11.2	10.4	10.8
Transport equipment operatives	3.6	3.6	5.6	5.5	.4	.4
Nonfarm laborers	5.2	5.3	7.6	7.9	1.2	1.2
Service workers	12.3	12.6	7.6	8.0	19.9	19.7
Private household workers	.9	.9	(1)	.1	2.3	2.2
Other service workers	11.4	11.7	7.5	8.0	17.6	17.6
Farm workers	4.2	3.9	5.4	5.1	2.1	1.9
Farmers and farm managers	2.1	2.0	3.1	3.0	.4	.4
Farm laborers and supervisors	2.1	1.9	2.3	2.1	1.7	1.5
Black and other						
Total employed (thousands)	9,380	9,752	5,164	5,333	4,216	4,418
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	33.8	33.5	25.9	24.0	43.5	44.9
Professional and technical	11.4	11.0	10.4	8.9	12.7	13.5
Managers and administrators, except farm	4.0	4.1	5.4	5.4	2.3	2.5
Sales workers	2.9	2.7	2.8	2.9	3.1	2.4
Clerical workers	15.5	15.7	7.3	6.8	25.5	26.4
Blue-collar workers	36.9	39.1	52.7	56.0	17.6	18.7
Craft and kindred workers	8.4	8.9	14.0	15.0	1.5	1.5
Operatives, except transport	14.5	15.8	14.3	16.3	14.7	15.2
Transport equipment operatives	4.9	5.0	8.6	9.0	.3	.3
Nonfarm laborers	9.2	9.3	15.8	15.7	1.1	1.6
Service workers	25.7	24.4	16.6	15.8	36.9	34.8
Private household workers	4.5	4.0	(1)	(1)	9.9	8.8
Other service workers	21.2	20.4	16.5	15.8	27.0	25.9
Farm workers	3.5	3.1	4.8	4.2	2.0	1.7
Farmers and farm managers	.7	.7	1.3	1.2	(1)	--
Farm laborers and supervisors	2.8	2.4	3.4	2.9	1.9	1.7

¹ Less than 0.05 percent.

HOUSEHOLD DATA

A-23. Employed persons by class of worker, age, and sex

[In thousands]

Age and sex	July 1976								
	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	79,425	1,453	14,478	63,494	5,807	445	1,665	1,805	461
16 to 19 years	8,463	470	1,028	6,965	122	50	498	59	147
16 to 17 years	3,564	356	498	2,711	54	26	321	27	84
18 to 19 years	4,899	114	531	4,254	68	24	177	32	63
20 to 24 years	12,239	89	1,727	10,423	303	33	319	121	47
25 to 34 years	19,811	132	3,844	15,835	1,189	75	326	252	52
35 to 44 years	14,189	143	2,771	11,274	1,224	96	171	283	54
45 to 54 years	13,900	183	2,942	10,774	1,427	113	169	445	86
55 to 64 years	9,048	237	1,909	6,902	1,022	56	119	380	51
55 to 59 years	5,647	113	1,225	4,309	596	28	59	210	30
60 to 64 years	3,401	123	685	2,593	426	27	60	170	21
65 years and over	1,776	199	256	1,320	518	21	64	266	23
Males, 16 years and over	46,812	311	7,689	38,812	4,230	81	1,312	1,669	160
16 to 19 years	4,473	177	509	3,787	74	29	384	53	109
16 to 17 years	1,919	134	258	1,527	29	14	253	28	59
18 to 19 years	2,554	42	251	2,261	45	15	131	25	50
20 to 24 years	6,650	20	765	5,865	198	18	263	114	29
25 to 34 years	12,203	19	2,072	10,112	859	5	261	235	8
35 to 44 years	8,638	17	1,466	7,155	910	--	124	252	4
45 to 54 years	8,359	19	1,630	6,710	1,054	13	119	410	2
55 to 64 years	5,460	13	1,091	4,356	756	11	103	354	3
55 to 59 years	3,387	5	695	2,686	435	1	47	191	1
60 to 64 years	2,074	9	395	1,670	322	10	55	163	2
65 years and over	1,028	46	156	827	379	6	58	251	6
Females, 16 years and over	32,613	1,142	6,790	24,682	1,577	364	353	136	301
16 to 19 years	3,990	293	519	3,178	49	21	114	6	38
16 to 17 years	1,645	221	239	1,184	26	12	68	--	24
18 to 19 years	2,345	72	280	1,993	23	9	47	7	14
20 to 24 years	5,589	69	962	4,559	104	15	56	7	19
25 to 34 years	7,608	112	1,772	5,724	330	70	64	17	45
35 to 44 years	5,551	126	1,305	4,119	314	97	47	31	50
45 to 54 years	5,542	165	1,312	4,065	374	100	49	35	84
55 to 64 years	3,587	223	818	2,545	266	45	16	26	48
55 to 59 years	2,260	109	529	1,622	162	27	12	20	29
60 to 64 years	1,327	115	289	923	104	18	4	6	20
65 years and over	748	154	101	493	139	15	6	15	17

A-24. Employed persons by industry and occupation

[In thousands]

Industry	July 1976											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,931	65	35	3	73	44	7	48	265	--	11	3,379
Mining	742	83	64	2	75	215	227	48	16	--	12	--
Construction	5,612	166	617	17	405	3,078	229	163	921	--	17	--
Manufacturing	20,393	2,000	1,270	440	2,491	3,997	7,868	756	1,121	--	448	--
Durable goods	12,192	1,347	760	156	1,435	2,594	4,585	385	678	--	252	--
Nondurable goods	8,201	653	510	285	1,056	1,403	3,284	372	443	--	196	--
Transportation and public utilities	5,568	419	545	29	1,246	1,262	177	1,285	468	--	137	--
Wholesale and retail trade	18,506	387	3,425	3,776	3,179	1,504	1,096	736	1,172	--	3,232	--
Wholesale trade	3,534	146	662	826	732	311	184	373	272	--	28	--
Retail trade	14,972	240	2,762	2,950	2,447	1,193	912	363	900	--	3,205	--
Finance, insurance, and real estate	4,908	276	921	1,062	2,167	114	4	9	110	--	247	--
Services	24,921	8,375	1,828	142	4,296	1,317	703	215	798	1,107	6,141	--
Private households	1,485	12	--	--	9	7	3	2	273	1,107	73	--
Other service industries	23,436	8,363	1,828	142	4,287	1,310	700	213	525	--	6,068	--
Public administration	3,026	942	593	3	1,764	285	42	67	268	--	1,064	--

A-25. Employed persons with a job but not at work by reason, pay status, and sex

(In thousands)

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976	July 1975	July 1976
Total	12,190	11,493	12,052	11,330	7,368	6,524	3,995	4,159
Vacation	9,935	9,158	9,880	9,088	6,765	5,892	2,720	2,817
Illness	1,217	1,260	1,176	1,214	442	462	632	650
Bad weather	81	58	51	36	--	--	--	--
Industrial dispute	131	186	131	186	--	--	--	--
All other reasons	827	832	814	806	160	170	643	693
Males	6,278	5,629	6,156	5,489	4,300	3,721	1,447	1,418
Vacation	4,938	4,360	4,889	4,298	3,902	3,324	774	765
Illness	738	718	702	678	303	303	337	328
All other reasons ³	601	551	565	513	95	93	337	325
Females	5,912	5,864	5,896	5,840	3,067	2,803	2,549	2,744
Vacation	4,997	4,798	4,991	4,790	2,863	2,568	1,946	2,053
Illness	478	543	475	536	139	159	295	322
All other reasons ³	437	523	431	514	65	77	307	368

¹Excludes private household.

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

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

A-26. Persons at work by type of industry and hours of work

Hours of work	July 1976					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	78,115	74,347	3,768	100.0	100.0	100.0
1-34 hours	17,131	16,095	1,036	21.9	21.6	27.5
1-4 hours	647	599	48	.8	.8	1.3
5-14 hours	3,019	2,780	239	3.9	3.7	6.3
15-29 hours	8,442	7,923	519	10.8	10.7	13.8
30-34 hours	5,023	4,793	230	6.4	6.4	6.1
35 hours and over	60,983	58,252	2,733	78.1	78.4	72.5
35-39 hours	5,663	5,504	159	7.2	7.4	4.2
40 hours	33,942	33,400	543	43.5	44.9	14.4
41 hours and over	21,378	19,348	2,031	27.4	26.0	53.9
41 to 48 hours	8,213	7,936	277	10.5	10.7	7.4
49 to 59 hours	7,060	6,502	559	9.0	8.7	14.8
60 hours and over	6,105	4,910	1,195	7.8	6.6	31.7
Average hours, total at work	39.6	39.2	46.5	--	--	--
Average hours, workers on full-time schedules	43.4	42.9	54.4	--	--	--

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A-27. Persons at work 1 - 34 hours by usual status and reason working less than 35 hours

[Numbers in thousands]

Reasons working less than 35 hours	July 1976					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	17,130	5,534	11,596	16,094	5,195	10,899
Economic reasons	4,147	1,334	2,813	3,803	1,191	2,612
Slack work	1,612	976	636	1,400	847	--
Material shortages or repairs to plant and equipment	66	66	--	62	62	--
New job started during week	208	208	--	201	201	--
Job terminated during week	85	85	--	81	81	--
Could find only part-time work	2,177	--	2,177	2,059	--	2,059
Other reasons	12,982	4,199	8,783	12,291	4,004	8,287
Does not want, or unavailable for, full-time work	6,599	--	6,599	6,230	--	6,230
Vacation	1,293	1,293	--	1,251	1,251	--
Illness	1,245	1,058	187	1,177	1,032	145
Bad weather	330	330	--	257	257	--
Industrial dispute	44	44	--	44	44	--
Legal or religious holiday	39	39	--	39	39	--
Full time for this job	1,457	--	1,457	1,430	--	1,430
All other reasons	1,976	1,435	541	1,863	1,380	483
Average hours:						
Economic reasons	20.8	23.0	19.7	20.8	23.0	19.8
Other reasons	21.6	25.7	19.6	21.7	25.9	19.7
Worked 30 to 34 hours:						
Economic reasons	1,046	503	543	959	451	508
Other reasons	3,977	2,147	1,830	3,834	2,087	1,747

A-28. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

Industry	July 1976								Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	Full- or part-time status								
		On part time for economic reasons	On voluntary part time	On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
Total ¹	74,347	3,803	8,287	62,257	42,909	7,936	11,412	39.2	42.9	
Wage and salary workers	68,633	3,483	7,354	57,796	41,026	7,461	9,309	38.9	42.4	
Construction	4,389	303	180	3,906	2,837	440	629	39.6	41.9	
Manufacturing	17,023	485	401	16,137	11,485	2,343	2,309	41.1	42.2	
Durable goods	10,126	182	158	9,786	6,937	1,406	1,443	41.8	42.4	
Nondurable goods	6,897	303	243	6,351	4,549	937	865	40.2	41.8	
Transportation and public utilities	4,718	120	184	4,414	3,088	536	790	41.8	43.2	
Wholesale and retail trade	15,183	1,268	2,737	11,178	6,946	1,897	2,335	37.6	43.4	
Finance, insurance, and real estate	4,188	62	373	3,753	2,761	442	550	39.5	41.7	
Service industries	17,915	1,141	3,265	13,509	10,167	1,330	2,012	37.0	42.0	
Private households	1,345	290	644	411	259	42	110	23.6	45.8	
All other industries	16,570	851	2,621	13,098	9,908	1,288	1,902	37.4	41.9	
Public administration	4,621	89	206	4,326	3,412	388	526	40.3	41.7	
Self-employed workers	5,269	312	771	4,186	1,736	442	2,008	42.9	49.6	
Unpaid family workers	445	9	162	274	145	33	96	38.0	48.1	

¹ Includes mining not shown separately.

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A-29. Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status

(Numbers in thousands)

Sex, age, race, and marital status	July 1976							
	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								
Both sexes, 16 years and over	74,347	3,803	8,287	62,257	42,909	19,348	39.2	42.9
16 to 21 years	12,982	1,850	2,573	8,559	6,541	2,018	34.0	41.1
16 to 19 years	8,136	1,514	2,012	4,610	3,571	1,039	31.7	40.7
16 to 17 years	3,447	816	1,295	1,336	1,065	271	27.1	40.0
18 to 19 years	4,689	698	717	3,274	2,505	769	35.0	41.1
20 years and over	66,211	2,288	6,275	57,648	39,339	18,309	40.1	43.1
20 to 24 years	11,572	668	1,047	9,857	7,294	2,563	38.8	41.7
25 years and over	54,639	1,620	5,228	47,791	32,045	15,746	40.4	43.4
25 to 44 years	31,344	902	2,447	27,995	18,397	9,598	41.0	43.5
45 to 64 years	21,333	651	1,876	18,806	13,009	5,797	40.4	43.2
65 years and over	1,962	67	905	990	641	349	30.3	44.5
Males, 16 years and over	45,634	1,927	2,431	41,276	25,550	15,726	41.9	44.2
16 to 21 years	6,909	931	1,052	4,926	3,474	1,452	35.7	41.9
16 to 19 years	4,326	758	851	2,717	1,993	724	33.4	41.4
16 to 17 years	1,843	435	564	844	651	193	29.0	40.4
18 to 19 years	2,483	323	287	1,873	1,342	531	36.7	41.8
20 years and over	41,307	1,169	1,581	38,557	23,555	15,002	42.8	44.5
20 to 24 years	6,423	346	366	5,711	3,709	2,002	40.7	43.2
25 years and over	34,884	823	1,215	32,846	19,846	13,000	43.2	44.7
25 to 44 years	20,188	466	367	19,355	11,315	8,040	43.9	44.9
45 to 64 years	13,483	327	360	12,796	8,099	4,697	43.1	44.3
65 years and over	1,214	29	487	698	435	263	32.6	45.0
Females, 16 years and over	28,713	1,877	5,856	20,980	17,358	3,622	34.9	40.3
16 to 21 years	6,073	918	1,521	3,634	3,068	566	32.0	40.0
16 to 19 years	3,809	756	1,161	1,892	1,577	315	29.7	39.9
16 to 17 years	1,603	381	731	491	413	78	25.0	39.2
18 to 19 years	2,206	376	431	1,399	1,161	238	33.1	40.1
20 years and over	24,904	1,120	4,695	19,089	15,782	3,307	35.7	40.4
20 to 24 years	5,149	322	681	4,146	3,585	561	36.3	39.8
25 years and over	19,755	798	4,014	14,943	12,197	2,746	35.5	40.6
25 to 44 years	11,157	436	2,079	8,642	7,084	1,558	35.8	40.3
45 to 64 years	7,849	325	1,516	6,008	4,907	1,101	35.9	40.7
65 years and over	748	37	419	292	206	86	26.7	43.5
RACE								
White	66,204	3,139	7,465	55,600	37,506	18,094	39.4	43.1
Males	41,092	1,614	2,165	37,313	22,551	14,762	42.2	44.5
Females	25,111	1,525	5,300	18,286	14,953	3,333	34.9	40.4
Black and other	8,143	664	822	6,657	5,403	1,254	37.3	41.1
Males	4,541	313	266	3,962	2,998	964	39.3	42.0
Females	3,602	351	556	2,695	2,406	289	34.9	39.7
MARITAL STATUS								
Males:								
Married, spouse present	32,066	680	937	30,449	18,051	12,398	43.5	44.8
Widowed, divorced, or separated	2,934	113	186	2,635	1,643	992	41.5	44.0
Single (never married)	10,634	1,133	1,309	8,192	5,856	2,336	37.3	42.4
Females:								
Married, spouse present	15,106	663	3,369	11,074	9,230	1,844	34.9	40.3
Widowed, divorced, or separated	5,346	241	805	4,300	3,424	876	36.6	40.7
Single (never married)	8,261	971	1,682	5,608	4,706	902	33.7	40.1

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A-30. Persons at work in nonfarm occupations by full- or part-time status and sex

[Numbers in thousands]

Occupational group and sex	July 1976								
	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									
White-collar workers	37,196	1,050	4,440	31,706	21,366	3,675	6,665	39.9	43.4
Professional and technical	9,834	209	1,067	8,558	5,900	878	1,780	40.0	43.2
Managers and administrators, except farm	8,414	85	336	7,993	3,676	1,168	3,149	46.4	47.8
Sales workers	4,996	277	1,015	3,704	2,113	576	1,015	37.9	44.2
Clerical workers	13,951	480	2,022	11,449	9,674	1,053	722	36.7	40.1
Blue-collar workers	26,710	1,594	1,305	23,811	16,480	3,481	3,850	40.2	42.6
Craft and kindred workers	10,469	461	273	9,735	6,473	1,435	1,827	41.6	43.2
Operatives, except transport	8,632	477	348	7,807	5,841	1,093	873	39.7	41.5
Transport equipment operatives	2,884	116	107	2,661	1,432	456	773	43.5	45.4
Nonfarm laborers	4,725	540	577	3,608	2,734	498	376	35.7	41.1
Service workers	10,953	1,212	2,620	7,121	5,270	836	1,015	34.4	42.2
Private household	1,008	188	504	316	203	35	78	23.8	44.1
Other service workers	9,944	1,024	2,117	6,803	5,065	801	937	35.4	42.1
Males									
White-collar workers	19,206	372	930	17,904	9,882	2,474	5,548	44.0	45.7
Professional and technical	6,481	123	330	6,028	3,825	666	1,537	42.6	44.4
Managers and administrators, except farm	6,691	60	171	6,460	2,689	974	2,797	47.7	48.7
Sales workers	3,007	88	211	2,708	1,347	455	906	42.9	45.6
Clerical workers	3,027	102	218	2,707	2,019	379	309	39.5	41.8
Blue-collar workers	22,498	1,223	959	20,316	13,535	3,090	3,691	40.8	43.1
Craft and kindred workers	9,971	428	220	9,323	6,154	1,376	1,793	41.9	43.3
Operatives, except transport	5,392	211	160	5,021	3,450	808	763	41.3	42.6
Transport equipment operatives	2,800	104	90	2,606	1,398	440	768	43.8	45.5
Nonfarm laborers	4,335	479	489	3,367	2,534	467	366	36.0	41.1
Service workers	4,329	377	586	3,366	2,286	455	625	38.5	43.6
Private household	37	8	15	14	8	4	2	24.2	48.6
Other service workers	4,293	369	571	3,353	2,280	451	622	38.6	43.6
Females									
White-collar workers	17,990	679	3,510	13,801	11,483	1,201	1,117	35.6	40.3
Professional and technical	3,354	86	737	2,531	2,076	212	243	34.8	40.2
Managers and administrators, except farm	1,723	25	165	1,533	988	193	352	41.4	44.1
Sales workers	1,989	188	804	997	766	121	110	30.2	40.2
Clerical workers	10,924	379	1,803	8,742	7,655	675	412	35.9	39.6
Blue-collar workers	4,211	372	346	3,493	2,943	391	159	36.7	39.8
Craft and kindred workers	499	32	53	414	322	59	33	37.1	40.7
Operatives, except transport	3,240	268	188	2,784	2,389	285	110	37.2	39.6
Transport equipment operatives	84	12	18	54	33	16	5	35.1	41.6
Nonfarm laborers	389	60	87	242	201	31	10	32.4	40.4
Service workers	6,623	835	2,035	3,753	2,982	381	390	31.7	41.0
Private household	972	180	489	303	197	32	74	23.8	43.9
Other service workers	5,651	654	1,545	3,452	2,787	350	315	33.0	40.7

A-31. Employment status of 14-15 year-olds by sex and race

(Numbers in thousands)

Employment status	July 1976								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,440	4,296	4,145	7,122	3,634	3,488	1,318	661	656
Civilian labor force	2,604	1,556	1,048	2,257	1,346	911	347	210	137
Employed	2,177	1,297	880	1,957	1,155	802	220	142	78
Agriculture	474	371	103	426	335	91	48	36	12
Nonagricultural industries	1,703	926	777	1,531	820	711	172	106	66
Unemployed	427	259	168	300	191	109	128	68	59
Unemployment rate	16.4	16.7	16.0	13.3	14.2	12.0	36.9	32.4	43.1
Not in labor force	5,836	2,740	3,096	4,865	2,288	2,577	971	452	519
Keeping house	352	24	327	276	14	262	75	10	65
Going to school	598	301	298	484	232	252	115	69	46
Unable to work	12	4	7	10	3	7	2	2	--
All other reasons	4,874	2,411	2,464	4,095	2,039	2,056	779	371	408

A-32. Employed 14-15 year-olds by sex, class of worker, and occupation

Characteristics	July 1976					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	2,177	1,297	880	100.0	100.0	100.0
Nonagricultural industries	1,703	926	777	78.2	71.4	88.3
Wage and salary workers	1,598	855	743	73.4	65.9	84.4
Private household workers	621	230	391	28.5	17.7	44.4
Government workers	228	123	105	10.5	9.5	11.9
Other wage and salary workers	748	502	247	34.4	38.7	28.1
Self-employed workers	62	45	17	2.8	3.5	1.9
Unpaid family workers	43	26	17	2.0	2.0	1.9
Agriculture	474	371	103	21.8	28.6	11.7
Wage and salary workers	329	245	84	15.1	18.9	9.5
Self-employed workers	45	40	5	2.1	3.1	.6
Unpaid family workers	100	86	14	4.6	6.6	1.6
OCCUPATION						
Total	2,177	1,297	880	100.0	100.0	100.0
White-collar workers	347	205	141	15.9	15.9	16.0
Professional and technical	47	16	31	2.2	1.2	3.5
Managers and administrators, except farm	--	--	1	--	--	.1
Sales workers	209	163	46	9.6	12.6	5.2
Clerical workers	91	28	63	4.2	2.2	7.2
Blue-collar workers	602	540	61	27.7	41.5	6.9
Craft and kindred workers	35	27	7	1.6	2.1	.8
Operatives, except transport	52	35	16	2.4	2.7	1.8
Transport equipment operatives	6	6	--	.3	.5	--
Nonfarm laborers	509	471	38	23.4	36.3	4.3
Service workers	810	234	576	37.2	18.0	65.6
Private household workers	406	24	383	18.6	1.8	43.5
Other service workers	403	210	194	18.5	16.2	22.0
Farm workers	419	318	101	19.2	24.5	11.5
Farmers and farm managers	11	7	3	.5	.5	.3
Farm laborers and supervisors	408	311	98	18.7	24.0	11.1

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Employment status	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total noninstitutional population ¹	153,585	153,824	154,052	154,256	154,476	154,700	154,915	155,106	155,325	155,516	155,711	155,925	156,142
Total labor force	95,249	95,397	95,298	95,377	95,272	95,286	95,624	95,601	95,866	96,583	96,699	96,780	97,473
Percent of total population	62.0	62.0	61.9	61.8	61.7	61.6	61.7	61.6	61.7	62.1	62.1	62.1	62.4
Civilian noninstitutional population ¹	151,399	151,639	151,882	152,092	152,320	152,543	152,775	152,960	153,178	153,371	153,570	153,788	154,002
Civilian labor force	93,063	93,212	93,128	93,213	93,117	93,129	93,484	93,455	93,719	94,439	94,557	94,643	95,333
Percent of civilian population	61.5	61.5	61.3	61.3	61.1	61.1	61.2	61.1	61.2	61.6	61.6	61.5	61.9
Employed	84,967	85,288	85,158	85,151	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907
Percent of civilian population	56.1	56.2	56.1	56.0	55.9	56.0	56.4	56.4	56.6	57.0	57.1	56.9	57.1
Agriculture	3,439	3,464	3,512	3,408	3,301	3,236	3,343	3,170	3,179	3,417	3,329	3,294	3,341
Nonagricultural industries	81,528	81,824	81,646	81,743	81,877	82,158	82,851	83,149	83,513	83,982	84,368	84,206	84,566
Unemployed	8,096	7,924	7,970	8,062	7,939	7,735	7,290	7,136	7,027	7,040	6,860	7,143	7,426
Unemployment rate	8.7	8.5	8.6	8.6	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8
Not in labor force	58,336	58,427	58,754	58,879	59,203	59,414	59,291	59,505	59,459	58,932	59,013	59,145	58,669
Males, 20 years and over													
Total noninstitutional population ¹	65,128	65,234	65,353	65,444	65,542	65,643	65,739	65,821	65,920	66,002	66,087	66,182	66,279
Total labor force	52,848	52,866	52,931	52,944	52,888	52,651	52,576	52,603	52,623	53,010	53,144	53,144	52,387
Percent of total population	81.1	81.0	81.0	80.9	80.7	80.2	80.0	79.9	79.8	80.3	80.4	80.3	80.5
Civilian noninstitutional population ¹	63,403	63,498	63,629	63,725	63,830	63,929	64,055	64,133	64,230	64,311	64,398	64,492	64,586
Civilian labor force	51,123	51,130	51,208	51,225	51,176	50,937	50,892	50,914	50,934	51,319	51,455	51,454	51,694
Percent of civilian population	80.6	80.5	80.5	80.4	80.2	79.7	79.5	79.4	79.3	79.8	79.9	79.8	80.0
Employed	47,481	47,655	47,516	47,513	47,521	47,586	47,916	47,997	48,081	48,524	48,596	48,391	48,535
Agriculture	2,443	2,461	2,473	2,430	2,386	2,316	2,351	2,305	2,301	2,405	2,427	2,430	2,449
Nonagricultural industries	45,038	45,194	45,043	45,083	45,135	45,270	45,565	45,692	45,780	46,119	46,169	45,961	46,086
Unemployed	3,642	3,475	3,692	3,712	3,655	3,351	2,976	2,917	2,853	2,795	2,859	3,063	3,159
Unemployment rate	7.1	6.8	7.2	7.2	7.1	6.6	5.8	5.7	5.6	5.4	5.6	6.0	6.1
Not in labor force	12,280	12,368	12,421	12,500	12,654	12,992	13,163	13,219	13,296	12,992	12,943	13,038	12,892
Females, 20 years and over													
Civilian noninstitutional population ¹	71,729	71,839	71,926	72,029	72,139	72,251	72,354	72,452	72,561	72,653	72,753	72,857	72,966
Civilian labor force	33,097	33,227	33,121	33,236	33,256	33,415	33,683	33,687	33,865	34,019	33,972	34,290	34,583
Percent of population	46.1	46.3	46.0	46.1	46.1	46.2	46.6	46.5	46.7	46.8	46.7	47.1	47.4
Employed	30,453	30,607	30,551	30,621	30,619	30,755	31,140	31,165	31,398	31,523	31,664	31,845	31,958
Agriculture	521	542	536	534	491	483	545	420	442	540	473	479	488
Nonagricultural industries	29,932	30,065	30,015	30,087	30,128	30,272	30,595	30,745	30,956	30,983	31,191	31,366	31,470
Unemployed	2,644	2,620	2,570	2,615	2,637	2,660	2,543	2,522	2,467	2,496	2,308	2,445	2,625
Unemployment rate	8.0	7.9	7.8	7.9	7.9	8.0	7.5	7.5	7.3	7.3	6.8	7.1	7.6
Not in labor force	38,632	38,612	38,805	38,793	38,883	38,836	38,671	38,765	38,696	38,634	38,781	38,567	38,383
Both sexes, 16-19 years													
Civilian noninstitutional population ¹	16,267	16,302	16,327	16,338	16,352	16,363	16,366	16,376	16,387	16,407	16,419	16,439	16,450
Civilian labor force	8,843	8,855	8,799	8,752	8,685	8,777	8,909	8,854	8,920	9,101	9,130	8,899	9,056
Percent of population	54.4	54.3	53.9	53.6	53.1	53.6	54.4	54.1	54.4	55.5	55.6	54.1	55.1
Employed	7,033	7,026	7,091	7,017	7,038	7,053	7,138	7,157	7,213	7,352	7,437	7,264	7,414
Agriculture	475	461	503	444	424	437	447	445	436	472	429	385	404
Nonagricultural industries	6,558	6,565	6,588	6,573	6,614	6,616	6,691	6,712	6,777	6,880	7,008	6,879	7,010
Unemployed	1,810	1,829	1,708	1,735	1,647	1,724	1,771	1,697	1,707	1,749	1,693	1,635	1,642
Unemployment rate	20.5	20.7	19.4	19.8	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1
Not in labor force	7,424	7,447	7,528	7,586	7,667	7,586	7,457	7,522	7,467	7,306	7,289	7,540	7,394

¹ Because seasonality, by definition, does not exist in population figures, these figures are not seasonally adjusted.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

A-34. Full- and part-time status of the civilian labor force, seasonally adjusted

[Numbers in thousands]

Full- and part-time employment status	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
FULL TIME													
Total, 16 years and over:													
Civilian labor force	79,004	79,348	79,593	79,790	79,738	79,824	79,801	79,900	80,283	80,633	80,750	79,144	81,083
Employed	72,311	72,882	72,899	73,032	73,112	73,500	73,962	74,222	74,646	75,024	75,299	73,308	75,181
Unemployed	6,693	6,466	6,694	6,758	6,626	6,324	5,839	5,678	5,637	5,609	5,451	5,836	5,902
Unemployment rate	8.5	8.1	8.4	8.5	8.3	7.9	7.3	7.1	7.0	7.0	6.8	7.4	7.3
PART TIME													
Total, 16 years and over:													
Civilian labor force	14,165	13,969	13,743	13,534	13,411	13,295	13,760	13,657	13,480	13,911	13,651	14,150	14,305
Employed	12,769	12,524	12,389	12,127	12,049	11,893	12,317	12,231	12,098	12,425	12,263	12,875	12,768
Unemployed	1,396	1,445	1,354	1,407	1,362	1,402	1,442	1,426	1,382	1,486	1,388	1,275	1,537
Unemployment rate	9.9	10.3	9.9	10.4	10.2	10.5	10.5	10.4	10.3	10.7	10.2	9.0	10.7

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-35. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Characteristics	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
WHITE													
Total, 16 years and over:													
Civilian labor force	82,520	82,556	82,478	82,725	82,517	82,474	82,738	82,715	82,961	83,451	83,642	83,805	84,359
Employed	75,831	76,130	76,041	76,077	76,059	76,223	76,839	77,101	77,282	77,867	78,087	78,120	78,341
Unemployed	6,689	6,426	6,437	6,648	6,458	6,251	5,899	5,614	5,679	5,584	5,555	5,685	6,018
Unemployment rate	8.1	7.8	7.8	8.0	7.8	7.6	7.1	6.8	6.8	6.7	6.6	6.8	7.1
Males, 20 years and over:													
Civilian labor force	45,831	45,822	45,888	46,025	45,878	45,631	45,620	45,659	45,726	45,954	46,098	46,140	46,320
Employed	42,774	42,949	42,840	42,920	42,905	42,954	43,229	43,363	43,399	43,685	43,730	43,658	43,698
Unemployed	3,057	2,873	3,048	3,105	2,973	2,677	2,391	2,296	2,327	2,269	2,368	2,482	2,622
Unemployment rate	6.7	6.3	6.6	6.7	6.5	5.9	5.2	5.0	5.1	4.9	5.1	5.4	5.7
Females, 20 years and over:													
Civilian labor force	28,732	28,808	28,703	28,886	28,882	29,012	29,137	29,137	29,276	29,379	29,403	29,673	29,874
Employed	26,577	26,738	26,703	26,726	26,724	26,830	27,086	27,177	27,291	27,410	27,542	27,754	27,805
Unemployed	2,155	2,070	2,000	2,160	2,158	2,182	2,051	1,960	1,985	1,969	1,861	1,919	2,069
Unemployment rate	7.5	7.2	7.0	7.5	7.5	7.5	7.0	6.7	6.8	6.7	6.3	6.5	6.9
Both sexes, 16 to 19 years:													
Civilian labor force	7,957	7,926	7,887	7,814	7,757	7,831	7,981	7,919	7,959	8,118	8,141	7,992	8,165
Employed	6,480	6,443	6,498	6,431	6,430	6,439	6,524	6,561	6,592	6,772	6,815	6,708	6,835
Unemployed	1,477	1,483	1,389	1,383	1,327	1,392	1,457	1,358	1,367	1,346	1,326	1,284	1,327
Unemployment rate	18.6	18.7	17.6	17.7	17.1	17.8	18.3	17.1	17.2	16.6	16.3	16.1	16.3
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,503	10,659	10,728	10,668	10,684	10,653	10,731	10,795	10,748	10,901	10,838	10,826	10,867
Employed	9,093	9,134	9,180	9,147	9,197	9,188	9,314	9,315	9,407	9,489	9,511	9,382	9,486
Unemployed	1,410	1,525	1,548	1,521	1,487	1,465	1,417	1,480	1,341	1,412	1,327	1,444	1,401
Unemployment rate	13.4	14.3	14.4	14.3	13.9	13.8	13.2	13.7	12.5	13.0	12.2	13.3	12.9
Males, 20 years and over:													
Civilian labor force	5,262	5,320	5,360	5,294	5,338	5,285	5,245	5,276	5,182	5,319	5,348	5,367	5,348
Employed	4,654	4,702	4,692	4,650	4,653	4,633	4,657	4,686	4,649	4,788	4,854	4,792	4,795
Unemployed	608	618	668	644	685	652	588	590	533	531	494	575	553
Unemployment rate	11.6	11.6	12.5	12.2	12.8	12.3	11.2	11.2	10.3	10.0	9.2	10.7	10.3
Females, 20 years and over:													
Civilian labor force	4,313	4,400	4,420	4,422	4,421	4,419	4,527	4,581	4,610	4,626	4,553	4,591	4,611
Employed	3,839	3,846	3,881	3,894	3,936	3,940	4,030	4,021	4,145	4,120	4,081	4,072	4,073
Unemployed	474	554	539	528	485	479	497	560	465	506	472	519	538
Unemployment rate	11.0	12.6	12.2	11.9	11.0	10.8	11.0	12.2	10.1	10.9	10.4	11.3	11.7
Both sexes, 16 to 19 years:													
Civilian labor force	928	939	948	952	925	949	959	938	956	956	937	868	908
Employed	600	586	607	603	608	615	627	608	613	581	576	518	598
Unemployed	328	353	341	349	317	334	332	330	343	375	361	350	310
Unemployment rate	35.3	37.6	36.0	36.7	34.3	35.2	34.6	35.2	35.9	39.2	38.5	40.3	34.1

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Characteristics													
Total (all civilian workers)	8.7	8.5	8.6	8.6	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8
Males, 20 years and over	7.1	6.8	7.2	7.2	7.1	6.6	5.8	5.7	5.6	5.4	5.6	6.0	6.1
Females, 20 years and over	8.0	7.9	7.8	7.9	7.9	8.0	7.5	7.5	7.3	7.3	6.8	7.1	7.6
Both sexes, 16-19 years	20.5	20.7	19.4	19.8	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1
White	8.1	7.8	7.8	8.0	7.8	7.6	7.1	6.8	6.8	6.7	6.6	6.8	7.1
Black and other	13.4	14.3	14.4	14.3	13.9	13.8	13.2	13.7	12.5	13.0	12.2	13.3	12.9
Household heads	6.1	5.7	6.0	6.0	5.8	5.7	5.1	4.9	5.0	4.8	4.8	5.1	5.4
Married men	5.5	5.2	5.5	5.3	5.1	4.8	4.1	4.1	4.1	3.9	4.0	4.4	4.5
Full-time workers	8.5	8.1	8.4	8.5	8.3	7.9	7.3	7.1	7.0	7.0	6.8	7.4	7.3
Part-time workers	9.9	10.3	9.9	10.4	10.2	10.5	10.5	10.4	10.3	10.7	10.2	9.0	10.7
Unemployed 15 weeks and over ¹	3.2	3.1	3.2	2.9	3.2	3.3	3.0	2.7	2.4	2.2	2.1	2.3	2.4
Labor force time lost ²	8.9	8.9	9.1	9.4	9.3	8.9	8.4	8.1	8.2	8.2	8.1	7.7	7.9
OCCUPATION													
White-collar workers	4.8	4.6	4.8	4.8	4.8	4.8	4.7	4.6	4.6	4.8	4.6	4.4	4.8
Professional and technical	3.5	3.0	3.2	3.2	3.7	3.1	3.0	3.6	3.5	3.4	3.2	2.9	3.1
Managers and administrators, except farm	3.0	3.0	3.4	2.9	2.9	3.0	2.9	2.9	2.9	2.8	3.2	3.1	3.5
Sales workers	5.1	5.8	5.8	6.0	6.3	6.3	6.4	5.2	5.0	4.9	4.8	5.1	5.4
Clerical workers	6.8	6.5	6.5	6.7	6.4	6.6	6.4	6.1	6.3	7.0	6.4	6.1	6.7
Blue-collar workers	12.3	11.9	11.9	11.6	11.3	10.7	9.4	9.3	9.1	9.0	9.0	9.3	9.6
Craft and kindred workers	9.3	8.5	8.8	8.7	8.3	7.2	6.6	6.7	6.7	7.0	6.2	7.3	7.4
Operatives	13.4	13.3	13.2	12.5	12.4	12.2	10.2	9.8	9.8	9.3	9.5	9.8	10.1
Nonfarm laborers	16.0	16.2	15.7	16.4	15.5	14.9	14.1	14.1	12.9	13.2	14.0	12.7	13.2
Service workers	8.4	9.2	8.8	9.1	8.7	9.2	9.3	8.9	8.6	8.1	8.1	8.6	8.5
Farm workers	3.0	3.7	3.5	3.7	3.8	4.5	3.9	3.9	5.0	4.8	5.0	4.1	4.5
INDUSTRY													
Nonagricultural private wage and salary workers ³	9.4	9.3	9.2	9.2	9.2	8.9	8.1	8.0	7.7	7.6	7.6	7.8	8.0
Construction	20.4	19.7	18.7	18.1	17.5	16.6	15.4	15.5	16.0	15.3	14.1	17.0	17.7
Manufacturing	11.5	11.1	10.8	10.6	10.5	9.6	8.1	8.0	7.3	7.6	7.3	7.6	7.8
Durable goods	12.1	12.0	11.5	11.1	10.8	9.9	8.2	8.0	7.4	7.7	7.4	7.5	7.3
Non-durable goods	10.6	9.8	9.9	9.7	10.0	9.2	8.0	8.1	7.1	7.6	7.3	7.7	8.4
Transportation and public utilities	5.6	5.6	5.8	5.6	4.9	5.1	4.9	4.7	4.5	4.1	5.3	5.2	5.2
Wholesale and retail trade	8.4	8.9	8.9	9.1	9.4	9.4	8.7	8.4	8.7	8.3	8.1	8.2	8.5
Finance and service industries	6.5	6.2	6.5	7.0	7.0	7.0	7.0	6.8	6.1	6.2	6.4	6.3	6.4
Government workers	4.1	4.0	4.1	4.3	4.0	4.4	4.2	4.4	4.5	5.0	4.8	4.2	4.5
Agricultural wage and salary workers	9.3	10.5	10.6	10.7	10.2	12.4	10.8	10.6	11.8	11.6	13.1	10.9	12.4

¹ Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ Includes mining, not shown separately.

A-37. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

Weeks of unemployment	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Duration													
Less than 5 weeks	2,868	2,758	2,820	3,015	2,641	2,648	2,706	2,686	2,609	2,979	2,855	2,618	2,951
5 to 14 weeks	2,141	2,449	2,444	2,446	2,469	2,244	2,091	1,856	1,905	1,883	1,947	2,261	2,028
15 weeks and over	2,954	2,878	2,934	2,719	3,004	3,080	2,785	2,515	2,294	2,035	1,998	2,215	2,317
15 to 26 weeks	1,600	1,431	1,352	1,238	1,286	1,413	1,155	957	903	669	830	914	1,116
27 weeks and over	1,354	1,447	1,582	1,481	1,718	1,667	1,630	1,558	1,391	1,366	1,168	1,301	1,201
Average (mean) duration, in weeks	15.1	15.5	16.2	15.6	16.9	17.0	16.9	16.2	15.8	15.7	15.0	16.9	15.8
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	36.0	34.1	34.4	36.9	32.5	33.2	35.7	38.1	38.3	43.2	42.0	36.9	40.4
5 to 14 weeks	26.9	30.3	29.8	29.9	30.4	28.1	27.6	26.3	28.0	27.3	28.6	31.9	27.8
15 weeks and over	37.1	35.6	35.8	33.2	37.0	38.6	36.7	35.6	33.7	29.5	29.4	31.2	31.8
15 to 26 weeks	20.1	17.7	16.5	15.1	15.8	17.7	15.2	13.6	13.3	9.7	12.2	12.9	15.3
27 weeks and over	17.0	17.9	19.3	18.1	21.2	20.9	21.5	22.1	20.4	19.8	17.2	18.3	16.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-38. Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total, 16 years and over	8.7	8.5	8.6	8.6	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8
16 to 19 years	20.5	20.7	19.4	19.8	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1
16 to 17 years	21.5	22.8	22.0	21.9	20.1	20.6	21.2	21.4	20.0	20.8	21.9	21.5	20.8
18 to 19 years	19.4	19.4	18.2	18.2	18.1	18.9	19.0	17.5	18.6	18.2	16.4	15.6	15.9
20 to 24 years	13.7	13.4	13.9	14.0	14.2	13.5	12.7	12.1	12.1	11.8	11.1	11.4	11.2
25 years and over	6.3	6.0	6.2	6.3	6.1	5.9	5.4	5.3	5.1	5.1	5.0	5.5	5.9
25 to 54 years	6.7	6.4	6.5	6.6	6.4	6.2	5.5	5.5	5.2	5.3	5.3	5.7	6.1
55 years and over	4.8	4.7	4.7	4.9	5.0	5.0	4.5	4.8	4.8	4.6	4.2	4.7	4.8
Males, 16 years and over	8.3	8.0	8.2	8.3	8.1	7.6	7.1	6.9	6.8	6.7	6.8	7.0	7.2
16 to 19 years	21.1	20.8	19.3	19.8	18.8	19.0	20.1	19.3	19.3	20.1	19.4	18.5	18.4
16 to 17 years	22.4	22.9	22.2	21.6	19.6	19.3	21.5	21.0	20.8	21.5	23.1	21.3	21.0
18 to 19 years	19.8	19.5	17.9	18.2	18.2	18.7	19.6	17.8	18.4	19.1	16.9	15.9	16.4
20 to 24 years	14.9	14.5	15.3	15.1	14.6	13.8	12.8	11.9	12.0	11.2	11.3	11.7	11.9
25 years and over	5.8	5.5	5.8	6.0	5.8	5.4	4.7	4.6	4.5	4.5	4.4	5.0	5.1
25 to 54 years	6.1	5.9	6.1	6.2	6.0	5.6	4.8	4.6	4.3	4.6	4.5	5.1	5.4
55 years and over	4.5	4.5	4.6	4.6	4.8	4.7	4.2	4.6	5.0	4.4	4.4	4.8	4.2
Females, 16 years and over	9.3	9.3	9.1	9.2	9.1	9.3	8.9	8.7	8.6	8.5	8.0	8.3	8.7
16 to 19 years	19.7	20.5	19.6	19.9	19.1	20.3	19.6	19.1	18.9	18.1	17.5	18.2	17.8
16 to 17 years	20.3	22.6	21.7	22.3	20.7	22.2	20.8	21.7	19.1	19.9	20.5	21.6	20.7
18 to 19 years	18.8	19.3	18.5	18.2	17.9	19.1	18.4	17.2	18.8	17.1	15.9	15.3	15.3
20 to 24 years	12.2	12.0	12.1	12.7	13.7	13.1	12.7	12.2	12.2	12.6	10.8	11.0	10.4
25 years and over	7.1	6.8	6.8	6.8	6.7	6.8	6.4	6.4	6.2	6.1	6.0	6.3	7.1
25 to 54 years	7.5	7.4	7.2	7.3	7.0	7.2	6.6	6.9	6.5	6.5	6.4	6.7	7.3
55 years and over	5.2	5.1	4.7	5.4	5.3	5.4	5.1	5.0	4.5	4.9	4.0	4.5	5.8

A-39. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
NUMBER OF UNEMPLOYED													
Job losers	4,715	4,588	4,797	4,531	4,444	3,955	3,481	3,440	3,502	3,499	3,461	3,623	3,843
Job leavers	815	792	824	829	872	862	849	848	760	831	881	882	964
Reentrants	1,808	1,873	1,808	1,892	1,846	1,975	1,985	1,864	1,857	1,833	1,781	1,795	1,856
New entrants	835	909	812	844	837	865	886	849	853	894	856	805	795
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	57.7	56.2	58.2	56.0	55.6	51.7	48.3	49.1	50.2	49.6	49.6	51.0	51.5
Job leavers	10.0	9.7	10.0	10.2	10.9	11.3	11.8	12.1	10.9	11.8	12.6	12.4	12.9
Reentrants	22.1	22.9	21.9	23.4	23.1	25.8	27.6	26.6	26.0	25.5	25.3	24.9	24.9
New entrants	10.2	11.1	9.9	10.4	10.5	11.3	12.3	12.1	12.2	12.7	12.3	11.3	10.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	5.1	4.9	5.2	4.9	4.8	4.2	3.7	3.7	3.7	3.7	3.7	3.8	4.0
Job leavers .....	.9	.8	.9	.9	.9	.9	.9	.9	.8	.9	.9	.9	1.0
Reentrants	1.9	2.0	1.9	2.0	2.0	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9
New entrants .....	.9	1.0	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-40. Employed persons by sex and age, seasonally adjusted

[Numbers in thousands]

Sex and age	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total, 16 years and over	84,967	85,288	85,158	85,151	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907
16 to 19 years	7,033	7,026	7,091	7,017	7,038	7,053	7,138	7,157	7,213	7,352	7,437	7,264	7,414
16 to 17 years	2,893	2,873	2,883	2,872	2,920	2,887	2,973	2,877	2,921	2,998	2,914	2,847	3,011
18 to 19 years	4,173	4,153	4,225	4,150	4,121	4,162	4,197	4,281	4,267	4,360	4,483	4,404	4,406
20 to 24 years	11,705	11,743	11,702	11,620	11,550	11,753	11,898	12,056	12,075	12,290	12,430	12,368	12,511
25 years and over	66,177	66,402	66,412	66,542	66,552	66,634	67,257	67,116	67,411	67,744	67,818	67,904	67,886
25 to 54 years	52,646	53,002	52,989	53,126	53,056	53,133	53,702	53,732	54,037	54,290	54,373	54,535	54,516
55 years and over	13,547	13,445	13,470	13,447	13,441	13,455	13,547	13,491	13,399	13,403	13,395	13,382	13,406
Males, 16 years and over	51,280	51,446	51,334	51,300	51,325	51,390	51,761	51,870	51,944	52,490	52,554	52,243	52,501
16 to 19 years	3,799	3,791	3,818	3,787	3,804	3,804	3,845	3,873	3,863	3,966	3,958	3,852	3,966
16 to 17 years	1,600	1,585	1,581	1,581	1,608	1,587	1,610	1,573	1,565	1,666	1,557	1,522	1,645
18 to 19 years	2,229	2,199	2,254	2,210	2,196	2,211	2,230	2,300	2,279	2,302	2,362	2,328	2,327
20 to 24 years	6,333	6,355	6,342	6,332	6,303	6,418	6,525	6,675	6,638	6,795	6,836	6,703	6,781
25 years and over	41,115	41,219	41,202	41,204	41,227	41,205	41,466	41,328	41,462	41,702	41,746	41,708	41,694
25 to 54 years	32,577	32,738	32,742	32,817	32,790	32,798	33,017	33,092	33,242	33,338	33,425	33,329	33,316
55 years and over	8,542	8,497	8,471	8,413	8,406	8,379	8,416	8,295	8,263	8,333	8,344	8,353	8,406
Females, 16 years and over	33,687	33,842	33,824	33,851	33,853	34,004	34,433	34,449	34,748	34,909	35,143	35,257	35,406
16 to 19 years	3,234	3,235	3,273	3,230	3,234	3,249	3,293	3,284	3,350	3,386	3,479	3,412	3,448
16 to 17 years	1,293	1,288	1,302	1,291	1,312	1,300	1,363	1,304	1,356	1,332	1,357	1,325	1,366
18 to 19 years	1,944	1,954	1,971	1,940	1,925	1,951	1,967	1,981	1,988	2,058	2,121	2,076	2,079
20 to 24 years	5,372	5,388	5,360	5,288	5,247	5,335	5,373	5,381	5,437	5,495	5,594	5,665	5,730
25 years and over	25,062	25,183	25,210	25,338	25,325	25,429	25,791	25,788	25,949	26,042	26,072	26,196	26,192
25 to 54 years	20,069	20,264	20,247	20,309	20,266	20,335	20,685	20,640	20,795	20,952	20,948	21,206	21,200
55 years and over	5,005	4,948	4,999	5,034	5,035	5,076	5,131	5,196	5,136	5,070	5,051	5,029	5,000

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-41. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Total employed	84,967	85,288	85,158	85,151	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907
Household heads	50,191	50,437	50,279	50,258	50,316	50,332	50,628	50,737	50,789	51,165	51,200	51,163	51,054
Married men, spouse present	37,946	38,012	37,948	37,921	37,858	37,739	37,996	37,931	38,087	38,205	38,215	38,090	38,147
Married women, spouse present	19,584	19,603	19,758	19,799	19,833	19,859	20,065	19,976	20,001	20,073	20,280	20,337	20,399
Occupation													
White collar workers	42,405	42,536	42,540	42,386	42,253	42,326	42,797	43,028	43,458	43,433	43,792	43,763	43,481
Professional and technical	12,937	12,944	12,814	12,773	12,795	13,026	13,166	13,094	13,204	13,004	13,262	13,439	13,297
Managers and administrators, except farm	8,725	8,970	9,215	9,027	9,077	8,837	9,044	9,135	9,300	9,387	9,200	9,257	9,179
Sales workers	5,567	5,521	5,493	5,515	5,269	5,296	5,224	5,333	5,398	5,488	5,562	5,512	5,435
Clerical workers	15,176	15,101	15,018	15,071	15,112	15,167	15,363	15,466	15,556	15,554	15,768	15,555	15,570
Blue-collar workers	27,802	27,968	27,936	28,105	28,126	28,408	28,759	28,725	28,545	29,110	29,115	29,166	29,279
Craft and kindred workers	10,977	11,051	10,907	11,104	11,018	11,265	11,266	11,297	11,030	11,161	11,268	11,238	11,372
Operatives	12,684	12,807	12,899	12,915	13,010	13,043	13,303	13,214	13,191	13,508	13,514	13,690	13,530
Nonfarm laborers	4,141	4,110	4,130	4,086	4,098	4,100	4,190	4,214	4,324	4,441	4,333	4,238	4,377
Service workers	11,661	11,676	11,739	11,759	11,872	11,837	11,926	11,848	11,781	11,858	11,981	12,028	12,285
Farm workers	3,023	3,008	3,040	2,975	2,838	2,782	2,868	2,772	2,712	2,922	2,833	2,802	2,878
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,342	1,361	1,347	1,303	1,262	1,231	1,300	1,295	1,317	1,388	1,286	1,299	1,301
Self-employed workers	1,717	1,702	1,753	1,710	1,687	1,663	1,649	1,596	1,568	1,641	1,672	1,670	1,695
Unpaid family workers	400	397	411	408	349	300	331	300	284	394	359	341	340
Nonagricultural industries:													
Wage and salary workers	75,343	75,711	75,716	75,760	75,468	76,038	76,568	77,023	77,376	77,834	78,134	78,098	78,390
Private households	1,350	1,366	1,320	1,349	1,307	1,309	1,287	1,200	1,308	1,351	1,294	1,415	1,436
Government	14,723	14,805	14,551	14,443	14,628	14,719	14,779	14,891	14,980	14,796	14,850	14,894	14,988
Other	59,270	59,540	59,845	59,968	59,533	60,010	60,502	60,932	61,088	61,687	61,990	61,789	61,966
Self-employed workers	5,645	5,633	5,621	5,531	5,991	5,683	5,693	5,684	5,594	5,608	5,778	5,657	5,649
Unpaid family workers	415	457	478	478	540	510	528	490	444	463	460	451	432
Persons at work¹													
Nonagricultural industries	75,187	76,323	76,784	76,822	77,103	77,380	78,506	78,399	78,167	77,413	79,056	79,497	79,189
Full-time schedules	61,035	62,198	62,838	62,824	63,141	63,730	64,211	64,381	64,328	63,708	64,947	64,860	65,259
Part time for economic reasons	3,277	3,234	3,291	3,361	3,353	3,243	3,482	3,262	3,266	3,248	3,382	3,080	3,012
Usually work full time	1,526	1,436	1,409	1,459	1,405	1,332	1,415	1,308	1,230	1,342	1,457	1,307	1,259
Usually work part time	1,751	1,798	1,882	1,902	1,948	1,911	2,067	1,954	2,036	1,906	1,925	1,773	1,753
Part time for noneconomic reasons	10,875	10,891	10,655	10,637	10,609	10,407	10,813	10,755	10,573	10,457	10,727	11,557	10,918

¹ Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

c = corrected.

HOUSEHOLD DATA

A-42. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

(Numbers in thousands)

Employment status	July 1975	June 1976	July 1976	Seasonally adjusted					
				July 1975	Mar. 1976	Apr. 1976	May 1976	June 1976	July 1976
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,464	6,677	6,691	6,464	6,647	6,657	6,670	6,677	6,691
Civilian labor force	6,095	6,363	6,361	6,072	6,230	6,279	6,325	6,343	6,338
Employed	5,548	5,836	5,873	5,485	5,791	5,860	5,865	5,785	5,807
Unemployed	547	527	488	587	439	419	460	558	531
Unemployment rate	9.0	8.3	7.7	9.7	7.0	6.7	7.3	8.8	8.4
20 to 24 years									
Civilian noninstitutional population ²	1,158	1,079	1,073	1,158	1,103	1,095	1,089	1,079	1,073
Civilian labor force	1,019	967	953	1,012	938	956	934	956	949
Employed	849	786	779	827	792	815	797	769	949
Unemployed	170	181	174	185	146	141	137	187	190
Unemployment rate	16.7	18.7	18.3	18.3	15.6	14.7	14.7	19.6	20.0
25 to 29 years									
Civilian noninstitutional population ²	3,476	3,301	3,275	3,476	3,382	3,355	3,329	3,301	3,275
Civilian labor force	3,302	3,150	3,112	3,275	3,205	3,173	3,171	3,137	3,086
Employed	3,022	2,913	2,902	2,995	2,992	2,975	2,962	2,890	2,876
Unemployed	280	237	210	280	213	198	209	247	210
Unemployment rate	8.5	7.5	6.7	8.5	6.6	6.2	6.6	7.9	6.8
30 to 34 years									
Civilian noninstitutional population ²	1,830	2,297	2,343	1,830	2,162	2,207	2,252	2,297	2,343
Civilian labor force	1,774	2,246	2,296	1,765	2,087	2,150	2,220	2,250	2,303
Employed	1,677	2,137	2,192	1,663	2,007	2,070	2,106	2,126	2,172
Unemployed	97	109	104	122	80	80	114	124	131
Unemployment rate	5.5	4.9	4.5	6.8	3.8	3.7	5.1	5.5	5.7
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	15,928	16,715	16,783	15,928	16,495	16,566	16,640	16,715	16,783
Civilian labor force	14,819	15,424	15,648	14,359	14,834	14,958	15,099	15,001	15,144
Employed	13,339	14,150	14,369	12,839	13,598	13,779	13,906	13,827	13,821
Unemployed	1,480	1,274	1,279	1,520	1,236	1,179	1,193	1,174	1,323
Unemployment rate	10.0	8.3	8.2	10.6	8.3	7.9	7.9	7.8	8.7
20 to 24 years									
Civilian noninstitutional population ²	7,601	7,910	7,931	7,601	7,833	7,861	7,885	7,910	7,931
Civilian labor force	6,881	7,061	7,236	6,393	6,631	6,711	6,786	6,626	6,707
Employed	5,939	6,247	6,492	5,470	5,847	5,988	6,049	5,933	5,978
Unemployed	942	814	744	923	784	723	737	693	729
Unemployment rate	13.7	11.5	10.3	14.4	11.8	10.8	10.9	10.5	10.9
25 to 29 years									
Civilian noninstitutional population ²	4,446	5,035	5,097	4,446	4,851	4,909	4,972	5,035	5,097
Civilian labor force	4,208	4,742	4,819	4,219	4,589	4,620	4,687	4,742	4,831
Employed	3,874	4,448	4,455	3,849	4,313	4,344	4,406	4,437	4,423
Unemployed	334	294	364	370	276	276	281	303	403
Unemployment rate	7.9	6.2	7.6	8.8	6.0	6.0	6.0	6.4	8.3
30 to 34 years									
Civilian noninstitutional population ²	3,881	3,770	3,755	3,881	3,811	3,796	3,783	3,770	3,755
Civilian labor force	3,730	3,621	3,593	3,747	3,614	3,627	3,626	3,633	3,606
Employed	3,526	3,455	3,422	3,520	3,438	3,447	3,451	3,455	3,415
Unemployed	204	166	171	227	176	180	175	178	191
Unemployment rate	5.5	4.6	4.8	6.1	4.9	5.0	4.8	4.9	5.3

¹ Vietnam-era veterans are those who served between August 5, 1964, and April 30, 1975.

² Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls, by industry division 1919 to date

[In thousands]

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,951	23,693	606	3,306	19,781	44,258	4,311	14,099	3,611	10,488	3,381	10,622	11,845	2,737	9,109
1969.....	70,442	24,311	619	3,525	20,167	46,130	4,435	14,704	3,733	10,971	3,562	11,228	12,202	2,758	9,444
1970.....	70,920	23,507	623	3,536	19,349	47,412	4,504	15,040	3,816	11,225	3,687	11,621	12,561	2,731	9,830
1971.....	71,222	22,820	609	3,639	18,572	48,401	4,457	15,352	3,823	11,529	3,802	11,903	12,887	2,696	10,192
1972.....	73,714	23,546	625	3,831	19,090	50,167	4,517	15,975	3,943	12,032	3,943	12,392	13,340	2,684	10,656
1973.....	76,896	24,727	644	4,015	20,068	52,169	4,644	16,674	4,107	12,568	4,091	13,021	13,739	2,663	11,075
1974.....	78,413	24,697	694	3,957	20,046	53,715	4,696	17,017	4,223	12,794	4,208	13,617	14,177	2,724	11,453
1975.....	76,985	22,549	745	3,457	18,347	54,436	4,498	16,947	4,177	12,771	4,223	13,995	14,773	2,748	12,025
July.....	76,439	22,370	758	3,605	18,007	54,069	4,504	16,936	4,190	12,746	4,266	14,144	14,219	2,800	11,419
Aug.....	76,900	22,901	763	3,688	18,450	53,999	4,493	16,959	4,192	12,767	4,273	14,162	14,112	2,775	11,337
Sept.....	77,614	23,111	758	3,659	18,694	54,503	4,503	17,084	4,194	12,890	4,243	14,113	14,560	2,746	11,814
Oct.....	78,193	23,070	763	3,620	18,687	55,123	4,503	17,136	4,209	12,927	4,238	14,185	15,061	2,742	12,319
Nov.....	78,339	22,920	763	3,522	18,635	55,419	4,509	17,313	4,207	13,106	4,235	14,174	15,188	2,742	12,446
Dec.....	78,527	22,685	763	3,338	18,584	55,842	4,477	17,737	4,215	13,522	4,243	14,158	15,227	2,771	12,456
1976															
Jan.....	77,091	22,312	756	3,061	18,495	54,779	4,440	17,026	4,189	12,837	4,223	14,049	15,041	2,724	12,317
Feb.....	77,339	22,311	752	3,014	18,545	55,028	4,445	16,926	4,189	12,737	4,228	14,188	15,241	2,726	12,515
Mar.....	77,906	22,541	759	3,103	18,679	55,365	4,462	17,028	4,194	12,834	4,246	14,307	15,322	2,724	12,598
Apr.....	78,688	22,849	766	3,270	18,813	55,839	4,474	17,295	4,212	13,083	4,276	14,498	15,296	2,730	12,566
May.....	79,115	23,033	775	3,386	18,872	56,082	4,494	17,405	4,228	13,177	4,278	14,616	15,289	2,735	12,554
June.....	79,760	23,415	796	3,516	19,103	56,345	4,541	17,544	4,280	13,264	4,347	14,745	15,168	2,758	12,410
July.....	78,817	23,179	806	3,568	18,805	55,638	4,536	17,468	4,290	13,178	4,370	14,734	14,530	2,773	11,757

p = preliminary.

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

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
-	TOTAL	77,183	76,439	79,115	79,760	78,817	-	-	-	-	-
-	PRIVATE SECTOR	62,387	62,220	63,826	64,592	64,287	51,207	51,041	52,497	53,200	52,838
-	MINING	756	758	775	796	806	575	575	587	606	612
10	METAL MINING	93.0	91.9	91.4	93.8	-	72.5	71.0	70.4	72.4	-
101	Iron ores	25.9	24.9	25.7	26.2	-	21.0	20.0	20.8	21.3	-
102	Copper ores	36.7	36.1	34.8	35.2	-	27.9	27.2	26.4	26.7	-
11,12	COAL MINING	205.4	203.8	215.4	219.5	-	175.2	173.7	184.5	188.2	-
12	Bituminous coal and lignite mining	201.4	199.9	211.5	215.6	-	171.7	170.3	181.1	184.9	-
13	OIL AND GAS EXTRACTION	337.9	342.8	350.7	363.2	-	232.1	235.6	239.5	250.0	-
131,2	Crude petroleum and natural gas fields	161.9	164.6	162.6	169.5	-	84.0	85.4	82.4	87.8	-
138	Oil and gas field services	176.0	178.2	188.1	193.7	-	148.1	150.2	157.1	162.2	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	119.5	119.9	117.0	119.7	-	94.9	94.9	92.8	95.0	-
142	Crushed and broken stone	42.4	42.1	41.1	42.0	-	34.4	34.2	33.7	34.6	-
144	Sand and gravel	36.6	37.2	35.6	36.9	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,555	3,605	3,386	3,516	3,568	2,858	2,904	2,683	2,805	2,865
15	GENERAL BUILDING CONTRACTORS	1,067.7	1,076.4	1,001.8	1,046.2	-	846.7	854.9	780.3	823.5	-
16	HEAVY CONSTRUCTION CONTRACTORS	762.3	771.1	695.4	743.0	-	640.0	647.0	572.8	616.1	-
161	Highway and street construction	347.5	356.9	305.1	327.3	-	303.6	312.9	261.0	283.1	-
162	Heavy construction, nec	414.8	414.2	390.3	415.7	-	336.4	334.1	311.8	333.0	-
17	SPECIAL TRADE CONTRACTORS	1,724.7	1,757.7	1,688.9	1,726.3	-	1,371.6	1,402.3	1,330.3	1,365.4	-
171	Plumbing, heating, air conditioning	412.0	414.6	395.9	401.8	-	312.1	313.8	297.9	302.1	-
172	Painting, paper hanging, decorating	131.6	138.3	121.1	128.6	-	113.0	120.2	103.3	110.3	-
173	Electrical work	314.9	317.9	304.8	304.8	-	245.6	248.1	237.6	238.4	-
174	Masonry, stonework, and plastering	190.6	195.7	181.3	185.5	-	164.9	169.6	156.0	160.8	-
176	Roofing and sheet metal work	119.6	124.6	118.3	119.5	-	96.0	100.7	94.4	95.6	-
-	MANUFACTURING	18,255	18,007	18,872	19,103	18,805	12,981	12,744	13,571	13,764	13,452
19,24,25, 32-39	DURABLE GOODS	10,635	10,425	11,034	11,165	10,938	7,500	7,301	7,890	7,998	7,761
20-23, 26-31	NONDURABLE GOODS	7,620	7,582	7,838	7,938	7,867	5,481	5,443	5,681	5,766	5,691
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	172.7	172.0	157.9	157.4	155.9	81.2	80.6	71.3	71.1	69.9
192	Ammunition, except for small arms	116.2	115.9	102.3	101.6	100.9	44.3	44.1	35.7	35.4	35.0
1925	Complete guided missiles	91.1	91.0	85.0	84.1	-	25.4	25.4	23.4	22.8	-
1929	Ammunition, exc. for small arms, nec	25.1	24.9	17.3	17.5	-	18.9	18.7	12.3	12.6	-
24	LUMBER AND WOOD PRODUCTS	571.4	573.9	600.1	624.1	623.5	477.2	479.3	502.5	523.4	522.3
241	Logging camps and logging contractors	75.5	78.7	72.8	78.2	79.6	-	-	-	-	-
242	Sawmills and planing mills	202.4	201.1	206.9	213.3	(*)	178.8	178.1	183.1	189.5	(*)
2421	Sawmills and planing mills, general	174.3	173.6	175.8	181.5	-	154.3	154.0	155.4	161.0	-
243	Millwork, plywood and related products	182.8	184.6	201.7	210.4	209.4	148.8	151.1	167.3	173.1	171.7
2431	Millwork	78.5	80.6	90.5	94.1	-	63.3	65.2	74.3	77.6	-
2432	Veneer and plywood	69.6	68.5	73.4	74.6	-	60.9	60.6	65.3	66.4	-
244	Wooden containers	21.9	22.0	22.8	23.1	22.7	19.4	19.4	20.0	20.5	20.2
2441,2	Wooden boxes, shooks, and crates	17.5	17.7	18.3	18.6	-	15.6	15.8	16.1	16.5	-
249	Miscellaneous wood products	88.8	87.5	95.9	99.1	97.2	71.1	69.9	77.1	80.0	78.4

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 ^P	July ^P 1976	June 1975	July 1975	May 1976	June 1976 ^P	July ^P 1976
DURABLE GOODS—Continued											
25	FURNITURE AND FIXTURES	439.6	432.7	490.9	494.6	481.5	354.2	347.6	403.5	406.6	393.9
251	Household furniture	313.8	307.9	355.6	356.5	343.5	261.4	255.7	301.4	301.8	289.8
2511	Wood household furniture	159.7	155.8	181.8	183.7	—	138.8	134.9	159.5	160.9	—
2512	Upholstered household furniture	90.8	89.8	102.3	104.3	—	74.3	73.2	84.7	86.6	—
2515	Mattresses and bedsprings	32.4	32.1	33.6	33.8	—	24.2	24.1	25.7	25.8	—
252	Office furniture	34.1	33.0	37.4	38.0	—	25.7	24.9	29.5	30.1	—
254	Partitions and fixtures	47.7	47.8	52.0	53.6	—	35.0	34.9	38.7	40.3	—
253,9	Other furniture and fixtures	44.0	44.0	45.9	46.5	(*)	32.1	32.1	33.9	34.4	(*)
32	STONE, CLAY, AND GLASS PRODUCTS	618.5	615.1	628.0	640.7	641.8	488.8	486.4	500.6	512.2	513.1
321	Flat glass	15.3	14.9	16.5	16.8	—	10.8	10.4	13.2	13.6	—
322	Glass and glassware, pressed or blown	125.4	125.2	132.0	134.8	133.5	107.0	106.9	114.2	116.6	115.6
3221	Glass containers	73.2	74.1	77.2	79.2	—	64.1	65.0	68.1	69.8	—
3229	Pressed and blown glass, nec	52.2	51.1	54.8	55.6	—	42.9	41.9	46.1	46.8	—
324	Cement, hydraulic	30.4	31.4	29.9	30.6	30.9	24.0	24.9	23.7	24.4	24.6
325	Structural clay products	48.8	48.3	47.8	49.6	50.0	39.5	38.7	38.6	40.3	40.5
3251	Brick and structural clay tile	20.8	20.9	21.3	22.1	—	17.5	17.4	17.8	18.6	—
326	Pottery and related products	41.6	40.6	44.1	43.7	—	34.5	33.3	37.3	37.0	—
327	Concrete, gypsum, and plaster products	195.1	195.7	190.3	194.9	(*)	151.8	152.5	147.4	151.8	(*)
328,9	Other stone and nonmetallic mineral products	128.9	126.5	131.8	134.0	133.5	96.6	95.1	99.3	100.9	100.5
3291	Abrasive products	22.8	22.1	24.1	24.5	—	15.6	15.2	17.1	17.5	—
33	PRIMARY METAL INDUSTRIES	1,166.2	1,138.3	1,194.5	1,214.9	1,205.8	905.0	878.4	939.0	957.2	946.4
331	Blast furnace and basic steel products	539.2	531.2	547.1	557.7	(*)	418.4	410.2	428.9	438.2	(*)
3312	Blast furnaces and steel mills	464.7	458.5	474.6	484.0	—	362.3	355.7	373.5	382.0	—
332	Iron and steel foundries	222.6	217.2	216.1	221.5	(*)	182.7	177.4	179.9	182.7	(*)
3321	Gray iron foundries	135.8	133.1	137.3	142.3	—	113.4	110.8	115.1	119.3	—
3322	Malleable iron foundries	22.0	21.1	21.1	20.6	—	17.2	16.4	17.2	16.8	—
3323	Steel foundries	64.8	63.0	57.7	58.6	—	52.1	50.2	45.6	46.6	—
333,4	Nonferrous metals	80.5	79.8	84.4	85.2	86.1	60.4	59.9	64.4	65.2	65.9
3334	Primary aluminum	28.1	27.7	32.5	33.0	—	22.1	21.8	26.2	26.6	—
335	Nonferrous rolling and drawing	179.4	172.3	195.6	197.1	193.7	128.3	122.4	145.4	146.6	142.8
3351	Copper rolling and drawing	32.6	29.7	35.8	36.2	—	23.9	21.0	27.3	27.8	—
3352	Aluminum rolling and drawing	53.3	53.0	60.5	61.9	—	36.1	35.9	44.0	45.0	—
3357	Nonferrous wire drawing and insulating	75.8	72.5	79.6	79.1	—	56.0	53.6	59.8	59.3	—
336	Nonferrous foundries	72.8	69.2	78.5	80.7	78.9	59.1	55.5	64.8	66.9	65.1
3361	Aluminum castings	38.6	36.6	44.1	45.1	—	31.5	29.6	37.1	38.1	—
3362,9	Other nonferrous castings	34.2	32.6	34.4	35.6	—	27.6	25.9	27.7	28.8	—
339	Miscellaneous primary metal products	71.7	68.6	72.8	72.7	71.4	56.1	53.0	57.6	57.6	55.7
3391	Iron and steel forgings	48.0	45.7	47.5	47.3	—	38.1	35.7	37.8	37.7	—
34	FABRICATED METAL PRODUCTS	1,328.5	1,286.2	1,385.1	1,401.0	1,364.1	989.9	948.4	1,045.4	1,059.1	1,021.5
341	Metal cans	64.4	65.0	63.6	64.7	64.7	55.5	56.1	55.0	56.2	56.3
342	Cutlery, hand tools, and hardware	150.4	144.3	166.1	168.1	163.2	113.7	107.5	128.8	130.1	124.7
3421,3,5	Cutlery and hand tools, including saws	65.4	60.6	70.2	70.7	—	49.1	44.6	53.6	54.0	—
3429	Hardware, nec	85.0	83.7	95.9	97.4	—	64.6	62.9	75.2	76.1	—
343	Plumbing and heating, except electric	62.9	62.8	69.1	69.8	67.2	44.9	44.3	50.7	51.4	48.6
3431,2	Sanitary ware and plumbers' brass goods	27.9	28.4	32.0	32.0	—	20.8	20.8	24.3	24.4	—
3433	Heating equipment, except electric	35.0	34.4	37.1	37.8	—	24.1	23.5	26.4	27.0	—
344	Fabricated structural metal products	454.1	449.5	444.6	450.7	450.2	315.6	312.1	307.6	313.3	312.0
3441	Fabricated structural steel	106.5	106.3	96.4	97.2	—	76.6	76.4	67.5	68.5	—
3442	Metal doors, sash, and trim	67.7	68.0	49.6	73.4	—	48.5	48.9	37.3	54.5	—
3443	Fabricated plate work (boiler shops)	141.7	137.9	137.6	136.9	—	94.5	90.9	89.3	88.9	—
3444	Sheet metal work	83.8	83.4	84.7	87.0	—	59.8	60.0	60.8	62.8	—
3446,9	Architectural and miscellaneous metal work	54.4	53.9	55.4	56.2	—	36.2	35.9	37.9	38.6	—
345	Screw machine products, bolts, etc	92.0	89.9	97.5	99.0	97.4	70.9	68.6	75.4	76.8	75.2
3451	Screw machine products	42.0	40.6	45.0	45.7	—	34.1	32.8	36.8	37.5	—
3452	Bolts, nuts, rivets, and washers	50.0	49.3	52.5	53.3	—	36.8	35.8	38.6	39.3	—
346	Metal stampings	206.9	184.1	229.6	230.1	(*)	165.1	142.7	187.2	187.4	(*)
347	Metal services, nec	81.6	80.2	90.7	91.7	89.7	65.7	64.2	74.3	75.1	72.9
348	Miscellaneous fabricated wire products	56.6	55.1	59.5	60.2	57.9	43.6	42.3	47.3	47.6	45.9
349	Miscellaneous fabricated metal products	159.6	155.3	164.4	166.7	166.3	114.9	110.6	119.1	121.2	120.9
3494,8	Valves, pipe, and pipe fittings	107.2	103.1	108.8	110.2	—	73.6	69.7	74.8	76.0	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p	June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p
DURABLE GOODS—Continued											
35	MACHINERY, EXCEPT ELECTRICAL	2,051.4	2,005.0	2,063.7	2,079.1	2,056.4	1,328.5	1,284.3	1,336.6	1,344.0	1,311.4
351	Engines and turbines	108.4	104.0	112.4	112.7	110.9	68.7	65.4	72.9	72.7	71.0
3511	Steam engines and turbines	42.9	42.0	42.9	43.4	—	22.7	22.0	22.9	23.0	—
3519	Internal combustion engines, nec	65.5	62.0	69.5	69.3	—	46.0	43.4	50.0	49.7	—
352	Farm machinery	149.0	142.2	149.8	147.4	—	106.0	99.3	106.1	103.8	—
353	Construction and related machinery	343.9	341.6	336.5	339.2	335.4	225.8	223.6	216.9	218.6	215.2
3531,2	Construction and mining machinery	187.8	185.5	180.6	181.6	—	124.1	121.8	116.5	116.7	—
3533	Oil field machinery	65.7	66.4	68.4	69.1	—	47.4	48.3	47.7	48.3	—
3535,6	Conveyors, hoists, cranes, monorails	45.2	45.2	46.1	47.0	—	27.3	27.0	28.1	28.7	—
3537	Industrial trucks and tractors	30.9	30.0	29.2	29.3	—	19.7	18.8	18.4	18.7	—
354	Metal working machinery	305.0	297.7	305.8	307.9	306.6	220.8	213.0	222.7	223.6	221.6
3541	Machine tools, metal cutting types	63.3	61.9	58.7	59.4	—	41.8	40.3	38.1	38.5	—
3544	Special dies, tools, jigs, and fixtures	113.7	111.5	120.7	121.0	—	90.0	88.1	96.9	96.9	—
3545	Machine tool accessories	54.7	52.7	53.6	53.2	—	39.2	36.7	38.2	37.4	—
3542,8	Miscellaneous metal working machinery	73.3	71.6	72.8	74.3	—	49.8	47.9	49.5	50.8	—
355	Special industry machinery	182.0	176.4	175.9	175.8	174.5	115.3	110.5	112.1	111.9	110.4
3551	Food products machinery	41.8	40.5	41.0	40.8	—	27.2	26.2	26.6	26.6	—
3552	Textile machinery	30.5	29.0	31.3	31.3	—	21.4	20.1	22.3	22.3	—
3555	Printing trades machinery	26.4	25.4	25.0	24.4	—	15.7	14.9	15.1	14.4	—
356	General industrial machinery	290.7	282.6	283.5	285.6	284.6	190.6	182.7	185.9	186.0	185.1
3561	Pumps and compressors	82.8	80.0	81.2	81.1	—	49.8	47.1	48.9	48.1	—
3562	Ball and roller bearings	53.7	50.5	53.9	54.0	—	40.6	37.9	41.0	40.9	—
3564	Blowers and fans	35.6	35.5	33.8	34.1	—	22.5	22.4	21.4	21.8	—
3566	Power transmission equipment	49.8	49.2	46.3	48.3	—	35.5	34.7	32.5	34.0	—
357	Office and computing machines	282.4	277.4	286.8	291.2	291.3	115.2	111.3	114.6	116.8	116.0
3573	Electronic computing equipment	212.1	209.5	215.1	218.3	—	72.2	70.1	71.9	73.5	—
358	Service industry machines	143.2	142.4	162.6	166.4	163.5	96.2	95.0	113.5	116.3	106.9
3585	Refrigeration machinery	97.1	96.1	113.7	116.2	—	66.2	65.1	81.3	82.9	—
359	Miscellaneous machinery, except electrical ..	246.8	240.7	250.4	252.9	251.3	189.9	183.5	191.9	194.3	190.9
36	ELECTRICAL EQUIPMENT AND SUPPLIES ..	1,731.1	1,702.0	1,822.3	1,841.7	1,808.0	1,112.4	1,086.0	1,204.8	1,221.9	1,188.3
361	Electric test and distributing equipment	188.1	179.4	193.8	195.9	(*)	123.7	114.8	129.1	131.4	(*)
3611	Electric measuring instruments	68.6	61.7	70.0	71.1	—	41.4	34.2	41.7	42.7	—
3612	Transformers	48.3	47.5	50.2	50.9	—	33.7	33.0	36.0	36.7	—
3613	Switchgear and switchboard apparatus	71.2	70.2	73.6	73.9	—	48.6	47.6	51.4	52.0	—
362	Electrical industrial apparatus	198.8	195.2	211.5	215.2	(*)	136.7	134.5	150.8	153.7	(*)
3621	Motors and generators	98.1	96.2	105.8	107.6	—	71.0	70.0	79.7	80.7	—
3622	Industrial controls	62.5	61.3	65.5	66.8	—	39.4	38.5	42.6	43.8	—
363	Household appliances	152.3	150.6	167.1	169.9	(*)	115.0	113.8	130.4	132.9	(*)
3632	Household refrigerators and freezers	37.2	37.0	38.3	38.8	—	28.6	28.5	29.5	30.0	—
3633	Household laundry equipment	22.1	22.4	24.4	25.0	—	16.7	17.0	19.1	19.7	—
3634	Electric housewares and fans	44.0	43.6	48.2	49.3	—	33.5	33.4	38.0	38.9	—
364	Electric lighting and wiring equipment	177.9	173.7	195.0	196.6	(*)	134.2	129.6	150.4	151.9	(*)
3641	Electric lamps	34.3	33.6	36.7	37.2	—	30.4	29.5	32.7	33.1	—
3642	Lighting fixtures	57.5	56.1	63.9	64.0	—	43.3	42.0	49.3	49.3	—
3643,4	Wiring devices	86.1	84.0	94.4	95.4	—	60.5	58.1	68.4	69.5	—
365	Radio and TV receiving equipment	117.1	115.6	129.6	129.8	(*)	83.7	81.8	93.9	94.5	(*)
366	Communication equipment	430.2	426.2	418.1	419.1	(*)	213.9	211.0	206.9	208.2	(*)
3661	Telephone and telegraph apparatus	143.2	140.7	130.8	131.5	—	90.8	89.1	84.1	85.1	—
3662	Radio and TV communication equipment	287.0	285.5	287.3	287.6	—	123.1	121.9	122.8	123.1	—
367	Electronic components and accessories	340.6	336.8	366.6	372.6	(*)	209.1	206.0	235.2	240.0	(*)
3671-3	Electron tubes	44.2	43.2	41.4	41.8	—	28.6	27.8	27.2	27.5	—
3674,9	Other electronic components	296.4	293.6	325.2	330.8	—	180.5	178.2	208.0	212.5	—
369	Miscellaneous electrical equipment and supplies	126.1	124.5	140.6	142.6	(*)	96.1	94.5	108.1	109.3	(*)
3694	Engine electrical equipment	65.5	64.9	72.4	73.8	—	51.5	50.7	57.1	58.1	—
37	TRANSPORTATION EQUIPMENT	1,670.2	1,623.2	1,755.2	1,762.3	1,676.2	1,168.4	1,123.9	1,249.7	1,254.9	1,165.9
371	Motor vehicles and equipment	774.4	749.4	862.3	868.5	(*)	593.9	569.4	673.6	679.5	(*)
3711	Motor vehicles	321.3	321.6	357.7	359.5	—	235.4	235.3	267.1	269.4	—
3712	Passenger car bodies	43.1	43.2	48.5	48.3	—	34.0	34.0	38.2	38.2	—
3713	Truck and bus bodies	39.1	38.7	39.2	39.5	—	30.3	29.5	29.8	30.1	—
3714	Motor vehicle parts and accessories	353.5	328.8	395.6	399.4	—	281.9	258.4	322.6	325.4	—
3715	Truck trailers	17.4	17.1	21.3	21.8	—	12.3	12.2	15.9	16.4	—
372	Aircraft and parts	519.6	511.5	485.3	483.6	478.9	277.9	272.3	251.4	249.7	245.7
3721	Aircraft	278.3	276.4	261.5	260.2	—	136.1	135.6	125.0	124.0	—
3722	Aircraft engines and engine parts	140.6	135.6	132.1	131.7	—	77.3	73.2	71.2	70.7	—
3723,9	Other aircraft parts and equipment	100.7	99.5	91.7	91.7	—	64.5	63.5	55.2	55.0	—
373	Ship and boat building and repairing	199.0	188.5	215.0	215.2	(*)	158.5	147.6	172.3	171.4	(*)
3731	Ship building and repairing	157.4	149.0	167.3	167.6	—	124.9	115.8	132.9	132.0	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
	DURABLE GOODS—Continued										
	TRANSPORTATION EQUIPMENT—Continued										
3732	Boat building and repairing	41.6	39.5	47.7	47.6		33.6	31.8	39.4	39.4	
374	Railroad equipment	52.5	51.0	42.3	40.7		39.2	37.9	30.7	29.2	
375,9	Other transportation equipment ..	124.7	122.8	150.3	154.3		98.9	96.7	121.7	125.1	
38	INSTRUMENTS AND RELATED PRODUCTS	483.7	481.3	510.6	517.2	510.6	288.3	285.2	311.1	316.0	313.1
381	Engineering and scientific instruments	60.9	60.5	59.1	59.2		30.5	29.8	28.9	28.8	
382	Mechanical measuring and control devices ..	106.1	106.1	117.9	118.9	118.6	64.8	64.9	75.4	76.4	76.0
3821	Mechanical measuring devices	74.0	73.5	76.1	76.4		43.5	43.0	45.3	45.6	
3822	Automatic temperature controls	32.1	32.6	41.8	42.5		21.3	21.9	30.1	30.8	
383,5	Optical and ophthalmic goods ..	59.2	58.5	64.0	65.0	63.5	39.9	39.1	43.6	44.3	43.0
385	Ophthalmic goods	38.5	38.1	42.1	42.7		27.9	27.4	30.9	31.4	
384	Medical instruments and supplies	102.2	100.6	109.0	109.9	107.2	67.4	66.0	73.4	73.8	74.4
386	Photographic equipment and supplies ..	125.8	126.4	129.4	133.1	132.7	62.1	62.1	64.8	67.7	67.8
387	Watches, clocks, and watchcases ..	29.5	29.2	31.2	31.1		23.6	23.3	25.0	25.0	
	MISCELLANEOUS MANUFACTURING INDUSTRIES	402.0	395.5	425.6	431.5	414.1	305.9	300.9	325.9	331.6	315.2
391	Jewelry, silverware, and plated ware ..	48.5	45.5	54.6	54.6	50.5	35.2	33.0	40.5	40.5	36.2
394	Toys and sporting goods	116.1	116.3	121.3	125.4		90.0	90.1	93.5	97.3	
3941,3	Games, toys, dolls, and play vehicles ..	65.3	65.9	64.5	68.4		49.7	50.4	47.7	51.3	
3949	Sporting and athletic goods, nec	50.8	50.4	56.8	57.0		40.3	39.7	45.8	46.0	
395	Pens, pencils, office, and art supplies ..	34.8	34.6	34.7	34.8		25.0	25.1	24.3	24.4	
396	Costume jewelry and notions	51.0	50.9	55.3	55.0		41.1	41.1	45.3	45.0	
393,9	Other manufacturing industries	151.6	148.2	159.7	161.7	157.7	114.6	111.6	122.3	124.4	120.8
393	Musical instruments and parts	23.2	22.1	25.1	24.6		18.9	17.9	20.9	20.4	
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	1,663.0	1,703.4	1,652.0	1,698.4	1,752.0	1,119.2	1,156.7	1,108.4	1,149.0	1,198.2
201	Meat products	337.7	339.5	345.2	352.6	355.3	276.4	278.1	282.3	289.6	291.2
2011	Meat packing plants	166.1	165.5	167.2	169.8		133.4	132.9	134.1	136.3	
2013	Sausages and other prepared meats	65.0	65.5	65.5	66.8		45.5	45.8	46.0	47.6	
2015	Poultry dressing plants	106.6	108.5	112.5	116.0		97.5	99.4	102.2	105.7	
202	Dairy products	202.8	202.5	195.3	199.4	200.6	105.7	105.8	102.1	105.5	106.5
2024	Ice cream and frozen desserts	25.5	25.4	24.3	25.6		14.4	14.5	13.3	14.3	
2026	Fluid milk	130.3	130.3	124.3	125.7		56.0	56.1	53.9	55.0	
203	Canned, cured, and frozen foods	273.3	306.4	265.6	281.4		224.4	258.3	216.3	231.2	
2031,6	Canned, cured, and frozen sea foods	45.3	47.2	44.8	46.5		38.7	40.3	38.9	40.7	
2032,3	Canned food, except sea foods	117.6	148.3	110.8	121.7		92.8	124.3	85.7	96.1	
2037	Frozen fruits and vegetables	64.8	61.6	66.2	64.6		56.6	53.6	57.8	56.3	
204	Grain mill products	138.1	138.3	142.3	143.7	(*)	97.0	96.6	99.0	100.3	(*)
2041	Flour and other grain mill products	25.7	25.9	25.7	26.2		18.5	18.5	18.1	18.5	
2042	Prepared feeds for animals and fowls ..	71.9	72.1	74.4	75.1		47.7	47.5	48.9	49.8	
205	Bakery products	237.7	239.5	240.5	243.6	(*)	136.0	137.8	137.7	140.6	(*)
2051	Bread, cake, and related products	197.7	198.5	200.0	202.4		104.9	105.6	105.9	108.1	
2052	Cookies and crackers	40.0	41.0	40.5	41.2		31.1	32.2	31.8	32.5	
206	Sugar	30.6	31.1	30.7	30.3		22.5	22.7	22.2	21.7	
207	Confectionery and related products	70.4	70.3	73.6	75.3	(*)	53.3	52.9	55.6	57.3	(*)
2071	Confectionery products	51.9	51.1	54.4	55.1		40.0	39.1	42.2	43.0	
208	Beverages	228.7	232.1	216.3	229.8	234.1	111.7	113.0	100.8	111.1	114.5
2082	Malt liquors	53.1	53.7	41.2	48.7		35.7	36.1	27.3	34.8	
2086	Bottled and canned soft drinks	129.8	133.1	131.9	136.5		48.8	50.4	48.7	50.5	
209	Miscellaneous foods and kindred products ..	143.7	143.7	142.5	142.3	(*)	92.2	91.5	92.4	91.7	(*)
21	TOBACCO MANUFACTURES	68.3	72.0	67.7	67.8	70.6	55.3	58.7	55.0	54.9	58.6
211	Cigarettes	44.6	44.4	45.9	45.8		36.1	36.0	37.6	37.4	
212	Cigars	11.5	9.6	10.4	10.4		10.2	8.3	9.1	9.1	
22	TEXTILE MILL PRODUCTS	902.6	884.7	971.9	979.8	967.9	783.2	766.2	849.5	856.9	845.3
221	Weaving mills, cotton	161.8	160.6	174.0	176.1	(*)	145.6	144.5	158.3	160.5	(*)
222	Weaving mills, synthetics	112.7	113.1	122.5	123.7	(*)	100.2	100.8	109.5	110.7	(*)
223	Weaving and finishing mills, wool	20.5	19.9	22.9	23.1	22.2	16.8	16.2	19.1	19.3	18.5
224	Narrow fabric mills	22.4	21.5	27.3	27.7	(*)	19.3	18.4	23.8	24.3	(*)
225	Knitting mills	246.4	241.5	262.6	266.1	(*)	211.9	207.0	226.3	229.6	(*)
2251	Women's hosiery, except socks	38.2	38.2	38.1	38.2		33.6	33.5	33.5	33.6	
2252	Hosiery, nec	31.2	30.7	35.4	35.8		27.6	27.1	31.6	32.0	
2253	Knit outerwear mills	72.6	67.8	77.5	79.9		61.6	56.9	65.9	68.1	
2254	Knit underwear mills	35.9	36.2	40.0	40.6		31.3	31.5	35.0	35.5	

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
NONDURABLE GOODS—Continued											
TEXTILE MILL PRODUCTS—Continued											
226	Textile finishing, except wool	77.6	75.1	83.0	83.9	(*)	65.2	63.2	70.7	71.4	(*)
227	Floor covering mills	57.0	56.2	59.8	60.1	—	45.1	44.3	47.1	47.3	—
228	Yarn and thread mills	141.1	135.9	155.3	155.7	151.5	127.9	122.8	142.2	142.7	138.8
229	Miscellaneous textile goods	63.1	60.9	64.5	63.4	(*)	51.2	49.0	52.5	51.1	(*)
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,229.3	1,191.4	1,318.8	1,329.6	1,255.9	1,056.9	1,022.2	1,136.4	1,146.2	1,075.1
231	Men's and boys' suits and coats	86.7	82.7	89.8	91.1	(*)	75.5	71.8	79.0	80.1	(*)
232	Men's and boys' furnishings	352.9	343.3	387.2	394.1	380.7	302.7	294.2	333.5	339.9	326.5
2321	Men's and boys' shirts and nightwear	110.6	108.5	120.5	122.4	—	96.6	94.4	105.4	107.3	—
2327	Men's and boys' separate trousers	79.5	76.2	87.2	88.1	—	69.5	66.6	76.4	77.1	—
2328	Men's and boys' work clothing	86.5	84.0	94.1	94.6	—	71.6	69.4	78.1	78.5	—
233	Women's and misses' outerwear	379.6	366.6	396.6	394.0	371.6	322.2	320.3	347.4	345.3	324.1
2331	Women's and misses' blouses and waists	49.0	46.0	50.3	50.9	—	43.1	40.3	44.4	44.9	—
2335	Women's and misses' dresses	166.0	161.8	172.9	169.1	—	148.8	144.9	154.4	150.9	—
2337	Women's and misses' suits and coats	58.5	58.3	57.1	59.1	—	49.3	49.2	48.5	50.7	—
2339	Women's and misses' outerwear, nec	106.1	100.5	116.3	114.9	—	91.0	85.9	100.1	98.8	—
234	Women's and children's undergarments	95.7	92.3	102.2	103.4	(*)	81.7	78.7	87.0	87.8	(*)
2341	Women's and children's underwear	72.9	70.8	77.1	78.4	—	63.3	61.1	67.0	67.9	—
2342	Corsets and allied garments	22.8	21.5	25.1	25.0	—	18.4	17.6	20.0	19.9	—
235	Hats, caps, and millinery	15.3	15.0	15.9	16.1	—	13.5	13.1	13.8	13.9	—
236	Children's outerwear	73.0	71.4	80.0	81.5	(*)	63.0	61.5	68.9	70.3	(*)
2361	Children's dresses and blouses	28.9	28.8	32.0	32.4	—	26.1	26.0	28.8	29.1	—
237,8	Fur goods and miscellaneous apparel	62.6	61.4	67.8	69.1	—	53.6	52.6	58.7	59.9	—
239	Miscellaneous fabricated textile products	163.5	158.7	179.3	180.3	172.6	134.7	130.0	148.1	149.0	141.0
2391,2	Housefurnishings	67.7	66.1	75.5	76.5	—	56.5	55.0	63.2	64.2	—
26	PAPER AND ALLIED PRODUCTS	634.4	632.9	672.3	680.0	671.3	476.1	473.8	509.8	518.0	508.4
261,2,6	Paper and pulp mills	190.8	192.8	198.2	201.7	(*)	145.7	147.7	151.6	155.4	(*)
263	Paperboard mills	65.2	65.0	68.8	70.8	70.8	51.1	50.3	54.9	56.2	56.0
264	Miscellaneous converted paper products	185.6	184.8	196.0	198.4	196.6	131.7	131.0	140.7	142.8	140.0
2643	Bags, except textile bags	39.6	39.3	42.7	42.7	—	31.1	30.8	34.2	34.1	—
265	Paperboard containers and boxes	192.8	190.3	209.3	209.1	206.6	147.6	144.8	162.6	163.6	161.5
2651,2	Folding and setup paperboard boxes	53.7	52.2	59.2	56.7	—	42.6	41.3	47.7	46.5	—
2653	Corrugated and solid fiber boxes	93.4	92.8	101.1	102.6	—	68.2	67.3	74.8	76.3	—
2654	Sanitary food containers	28.3	28.0	30.8	31.5	—	23.3	22.9	25.5	26.2	—
27	PRINTING AND PUBLISHING	1,074.7	1,065.2	1,076.1	1,075.7	1,067.0	631.9	623.7	629.0	628.4	621.2
271	Newspapers	379.8	375.5	380.2	383.1	381.5	168.3	165.5	166.3	167.0	165.7
272	Periodicals	68.8	68.8	69.3	68.6	—	18.6	18.0	18.5	18.2	—
273	Books	91.8	90.6	89.4	87.5	—	49.0	47.9	48.7	47.3	—
275	Commercial printing	354.7	353.3	358.1	355.9	351.6	267.6	265.8	269.0	267.4	263.5
2751	Commercial printing, except lithographic	200.6	201.1	202.0	203.4	—	153.8	154.1	154.0	155.6	—
2752	Commercial printing, lithographic	143.9	142.8	145.7	142.5	—	106.2	104.7	107.1	104.2	—
278	Blankbooks and bookbinding	49.1	48.6	50.2	51.0	50.4	40.3	39.9	40.8	41.8	41.2
274,6,7,9	Other publishing and printing ind	130.5	128.4	128.9	129.6	(*)	88.1	86.6	85.7	86.7	(*)
28	CHEMICALS AND ALLIED PRODUCTS	1,009.2	1,006.8	1,028.0	1,038.0	1,038.9	565.9	562.3	587.6	593.2	589.4
281	Industrial chemicals	322.4	323.0	333.0	338.5	338.7	169.0	168.8	178.7	182.3	181.5
2812	Alkalies and chlorine	21.6	21.6	21.5	21.7	—	15.2	15.2	15.7	16.1	—
2818	Industrial organic chemicals, nec	134.9	134.8	138.4	140.2	—	58.7	58.1	60.6	61.8	—
2819	Industrial inorganic chemicals, nec	106.4	106.7	108.1	109.8	—	58.9	58.7	60.8	61.7	—
282	Plastics materials and synthetics	202.0	202.1	205.0	204.9	(*)	131.8	132.1	137.1	136.4	(*)
2821	Plastics materials and resins	84.4	83.1	86.9	88.4	—	49.5	48.4	54.5	55.5	—
2823,4	Synthetic fibers	105.7	107.3	106.7	105.0	—	74.1	75.7	74.6	72.8	—
283	Drugs	164.4	164.2	166.8	169.9	170.6	81.3	80.5	83.1	84.9	84.9
2834	Pharmaceutical preparations	130.7	131.1	132.9	135.2	—	62.3	62.0	64.1	65.4	—
284	Soap, cleaners, and toilet goods	118.2	118.2	116.4	118.7	120.8	67.6	67.4	67.4	69.3	70.3
2841	Soap and other detergents	38.3	38.4	35.0	35.3	—	25.4	25.2	22.5	22.6	—
2844	Toilet preparations	48.6	48.0	48.5	49.9	—	27.0	26.5	27.8	29.2	—
285	Paints and allied products	65.6	66.2	66.8	68.0	68.6	35.1	35.7	36.0	37.2	37.0
287	Agricultural chemicals	55.0	53.8	59.4	56.9	(*)	33.4	32.1	37.6	35.0	(*)
2871,2	Fertilizers, complete and mixing only	33.2	31.9	36.3	33.7	—	22.2	21.0	25.7	23.3	—
286,9	Other chemical products	81.6	79.3	80.6	81.1	81.8	47.7	45.7	47.7	48.1	47.8
2892	Explosives	18.3	17.5	15.0	15.1	—	11.9	11.2	9.6	9.7	—
29	PETROLEUM AND COAL PRODUCTS	200.8	204.6	202.8	205.6	207.3	128.6	131.6	131.9	134.4	135.3
291	Petroleum refining	156.5	159.1	156.1	158.4	159.8	96.8	98.3	97.4	99.4	99.9
295,9	Other petroleum and coal products	44.3	45.5	46.7	47.2	47.5	31.8	33.3	34.5	35.0	35.4

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p	June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p
NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC...	578.4	571.0	568.7	580.1	569.0	442.0	434.7	430.5	439.7	429.3
301	Tires and inner tubes	116.7	115.8	58.2	60.6	60.5	84.0	83.2	27.3	28.5	28.5
302,3,6	Other rubber products	154.6	150.5	159.5	162.1	156.4	119.5	115.6	124.1	126.2	120.9
302	Rubber footwear	23.7	21.9	20.2	20.2	-	19.8	18.0	16.7	16.6	-
307	Miscellaneous plastics products	307.1	304.7	351.0	357.4	352.1	238.5	235.9	279.1	285.0	279.9
31	LEATHER AND LEATHER PRODUCTS	258.9	249.8	280.0	283.0	267.0	222.0	213.5	242.4	245.2	230.1
311	Leather tanning and finishing	23.2	22.3	25.2	24.9	(*)	19.9	19.1	21.9	21.7	(*)
314	Footwear, except rubber	164.7	159.1	176.8	177.6	169.4	143.5	138.2	155.3	156.1	148.6
312,3,5-7,9	Other leather products	71.0	68.4	78.0	80.5	(*)	58.6	56.2	65.2	67.4	(*)
316	Luggage	15.6	15.3	18.4	18.9	-	12.4	12.0	14.6	15.1	-
317	Handbags and personal leather goods	32.7	32.3	25.2	36.6	-	26.9	26.7	29.7	31.0	-
TRANSPORTATION AND PUBLIC UTILITIES											
4,523 4,504 4,494 4,541 4,536 3,881 3,865 3,847 3,894 3,887											
40	RAILROAD TRANSPORTATION	537.3	537.4	526.6	531.8	-	-	-	-	-	-
4011	Class I railroads ²	491.2	490.7	488.1	494.4	-	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSPORTATION											
41	TRANSIT	268.4	238.8	274.8	265.4	-	-	-	-	-	-
411	Local and suburban transportation	70.6	68.1	68.0	68.1	-	65.3	62.9	62.5	62.7	-
412	Taxicabs	83.3	81.7	78.0	77.6	-	-	-	-	-	-
413	Intercity highway transportation	40.5	41.2	38.4	40.4	-	36.6	37.3	34.4	36.5	-
42	TRUCKING AND WAREHOUSING	1,091.1	1,096.1	1,077.0	1,105.3	-	973.7	979.8	957.7	987.4	-
421,3	Trucking and trucking terminals	1,005.1	1,008.6	993.8	1,020.4	-	900.1	904.6	887.0	915.2	-
422	Public warehousing	86.0	87.5	83.2	84.9	-	73.6	75.2	70.7	72.2	-
45	TRANSPORTATION BY AIR	366.1	366.6	367.0	369.7	-	-	-	-	-	-
451,2	Air transportation	329.7	331.2	332.6	335.1	-	-	-	-	-	-
46	PIPELINE TRANSPORTATION	16.9	17.0	16.4	16.9	-	13.1	13.2	12.1	12.6	-
44,47	OTHER TRANSPORTATION AND SERVICES	334.7	335.6	348.4	356.1	-	-	-	-	-	-
44	WATER TRANSPORTATION	194.2	195.0	201.7	207.7	-	-	-	-	-	-
47	TRANSPORTATION SERVICES	140.5	140.6	146.7	148.4	-	-	-	-	-	-
48	COMMUNICATION	1,167.7	1,171.7	1,149.6	1,153.7	-	899.9	903.8	883.8	886.7	-
481	Telephone communication	965.3	966.4	943.8	946.6	-	737.4	739.0	716.7	719.5	-
482	Telegraph communication ³	18.4	18.4	17.2	17.1	-	12.8	12.9	12.6	12.6	-
483	Radio and television broadcasting	152.1	154.6	154.9	156.2	-	122.3	124.0	124.3	125.2	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	741.0	741.0	734.3	741.7	-	618.7	619.2	613.4	619.4	-
491	Electric companies and systems	315.8	313.6	316.8	317.3	-	261.6	259.4	262.0	261.9	-
492	Gas companies and systems	163.3	164.6	158.6	161.6	-	136.1	137.4	130.6	133.4	-
493	Combination companies and systems	196.4	196.7	192.7	195.2	-	165.4	166.0	164.3	166.1	-
494-7	Water, steam, and sanitary systems	65.5	66.1	66.2	67.6	-	55.6	56.4	56.5	58.0	-
-	WHOLESALE AND RETAIL TRADE	16,971	16,936	17,405	17,544	17,468	14,983	14,951	15,377	15,514	15,432
50	WHOLESALE TRADE	4,178	4,190	4,228	4,280	4,290	3,464	3,476	3,496	3,545	3,554
501	Motor vehicles and automotive equipment	367.9	366.8	379.6	383.7	-	300.8	299.7	309.8	313.3	-
502	Drugs, chemicals, and allied products	238.4	238.6	240.2	241.5	-	191.8	192.1	190.9	193.2	-
503	Dry goods and apparel	153.7	152.0	156.5	157.4	-	119.5	118.1	121.9	122.5	-
504	Groceries and related products	600.1	609.0	605.3	627.2	-	523.5	532.0	526.7	546.5	-
506	Electrical goods	321.9	320.6	317.3	319.0	-	271.1	270.2	267.9	269.6	-
507	Hardware, plumbing and heating equipment	182.4	182.2	183.9	185.8	-	151.8	151.6	152.9	154.5	-
508	Machinery, equipment, and supplies	879.0	878.3	883.2	890.0	-	728.9	728.2	727.5	734.0	-
509	Miscellaneous wholesalers	1,335.7	1,343.4	1,355.7	1,366.8	-	1,096.2	1,103.7	1,111.7	1,121.8	-
52-59	RETAIL TRADE	12,793	12,746	13,177	13,264	13,178	11,519	11,475	11,881	11,969	11,878
53	Retail General Merchandise	2,398.4	2,379.6	2,445.5	2,449.4	-	2,192.3	2,174.3	2,243.5	2,248.1	-
531	Department stores	1,604.9	1,597.4	1,653.3	1,659.3	-	1,470.1	1,463.4	1,526.6	1,531.1	-
532	Mail order houses	117.8	116.2	110.9	109.0	-	110.9	109.4	103.1	101.6	-
533	Variety stores	300.0	293.1	304.3	301.0	-	277.5	270.7	284.4	280.6	-
54	FOOD STORES	1,939.3	1,934.6	1,988.9	1,989.8	-	1,798.2	1,794.2	1,842.3	1,842.1	-
541-3	Grocery, meat, and vegetable stores	1,763.5	1,760.1	1,805.4	1,804.9	-	1,635.0	1,632.2	1,672.2	1,671.2	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
	WHOLESALE AND RETAIL TRADE—Continued										
56	APPAREL AND ACCESSORY STORES	776.6	761.3	794.1	788.8	—	697.1	664.5	695.0	689.9	—
561	Men's and boys' clothing and furnishings	135.5	134.1	137.9	138.8	—	117.4	116.7	120.0	120.7	—
562	Women's ready-to-wear stores	289.3	281.4	296.8	292.6	—	254.4	247.2	261.6	258.3	—
565	Family clothing stores	121.1	119.2	124.8	124.2	—	110.3	107.5	113.6	112.7	—
566	Shoe stores	160.1	157.5	162.1	161.2	—	134.6	132.0	135.8	135.0	—
57	FURNITURE AND HOME FURNISHINGS										
	STORES	507.8	504.5	526.3	530.5	—	429.3	427.3	444.7	448.5	—
571	Furniture and home furnishings	315.1	310.8	319.9	324.0	—	266.1	263.8	272.5	276.2	—
58	EATING AND DRINKING PLACES	3,392.4	3,391.3	3,528.8	3,587.1	—	3,168.6	3,166.8	3,294.3	3,357.2	—
52,55,59	OTHER RETAIL TRADE	3,778.2	3,774.2	3,893.8	3,918.0	—	3,251.6	3,248.2	3,361.3	3,383.4	—
52	Building materials and farm equipment	615.7	620.4	629.9	643.7	—	527.1	532.2	538.1	551.0	—
55	Automotive dealers and service stations	1,711.5	1,711.9	1,741.2	1,754.4	—	—	—	—	—	—
551,2	Motor vehicle dealers	762.5	762.1	781.6	788.9	—	634.9	634.3	652.3	659.8	—
553,9	Other automotive and accessory dealers	326.8	327.5	332.8	339.7	—	274.7	275.6	280.8	287.6	—
554	Gasoline service stations	622.2	622.3	626.8	625.8	—	—	—	—	—	—
59	Miscellaneous retail stores	1,451.0	1,441.9	1,522.7	1,519.9	—	—	—	—	—	—
591	Drug stores and proprietary stores	466.7	464.4	473.1	476.9	—	416.5	414.9	421.9	425.7	—
594	Book and stationery stores	77.0	75.2	79.8	78.9	—	65.1	63.2	67.9	66.3	—
596	Farm and garden supply stores	131.9	130.6	143.4	141.2	—	—	—	—	—	—
598	Fuel and ice dealers	96.4	95.5	97.2	95.6	—	81.7	81.3	81.9	80.7	—
	FINANCE, INSURANCE, AND REAL ESTATE⁴	4,248	4,266	4,278	4,347	4,370	3,250	3,264	3,260	3,325	3,347
60	Banking	1,277.7	1,284.8	1,289.7	1,303.9	—	1,009.7	1,016.4	1,015.8	1,028.7	—
61	Credit agencies other than banks	436.7	440.6	457.2	462.2	—	335.3	338.1	350.1	355.4	—
612	Savings and loan associations	164.4	167.5	182.4	186.0	—	132.3	135.0	146.5	149.9	—
614	Personal credit institutions	193.6	194.0	193.4	193.6	—	—	—	—	—	—
62	Security, commodity brokers and services	171.2	172.9	176.9	177.0	—	140.1	141.9	144.0	144.3	—
63	Insurance carriers	1,107.4	1,108.0	1,106.5	1,115.8	—	742.6	743.5	745.7	753.8	—
631	Life insurance	527.0	526.8	514.9	520.0	—	305.6	305.4	295.2	299.3	—
632	Accident and health insurance	117.6	117.5	121.2	121.6	—	97.2	96.8	99.9	100.0	—
633	Fire, marine, and casualty insurance	406.3	406.4	410.1	413.2	—	293.3	294.1	301.0	304.4	—
64	Insurance agents, brokers, and service	330.7	332.0	340.6	340.3	—	—	—	—	—	—
65	Real estate	809.2	813.7	791.1	830.2	—	—	—	—	—	—
655	Subdividers and developers	127.0	126.0	120.4	124.7	—	—	—	—	—	—
656	Operative builders	57.5	57.7	55.4	57.3	—	—	—	—	—	—
66,67	Other finance, insurance, and real estate	114.8	114.3	116.2	117.5	—	—	—	—	—	—
—	SERVICES	14,079	14,144	14,616	14,745	14,734	12,679	12,738	13,172	13,292	13,243
70	Hotels and other lodging places	1,016.7	1,099.6	1,008.3	1,062.9	—	—	—	—	—	—
701	Hotels, tourist courts, and motels	847.9	866.9	841.5	873.2	—	788.1	805.8	779.5	812.0	—
72	Personal services	842.1	834.8	828.5	830.3	—	—	—	—	—	—
721	Laundries and dry cleaning plants	363.0	363.2	352.2	356.6	—	325.8	325.8	315.3	319.1	—
722	Photographic studios	41.5	41.7	43.0	43.0	—	36.6	36.8	37.6	37.5	—
73	Miscellaneous business services	1,975.4	1,984.7	2,088.4	2,121.7	—	—	—	—	—	—
731	Advertising	119.2	119.5	124.2	125.6	—	—	—	—	—	—
732	Credit reporting and collection	78.8	79.4	81.1	81.8	—	—	—	—	—	—
734	Services to buildings	386.9	387.2	410.4	412.3	—	—	—	—	—	—
76	Miscellaneous repair services	217.2	218.0	216.8	217.3	—	—	—	—	—	—
78	Motion pictures	205.7	216.0	202.8	209.9	—	—	—	—	—	—
781	Motion picture filming and distributing	61.6	65.2	60.9	63.5	—	45.0	47.4	44.3	47.5	—
782,3	Motion picture theaters and services	144.1	150.8	141.9	146.4	—	—	—	—	—	—
80	Medical and other health services	4,200.0	4,221.9	4,404.8	4,461.0	—	—	—	—	—	—
806	Hospitals	2,296.7	2,308.5	2,372.6	2,399.0	—	2,101.0	2,109.3	2,166.4	2,191.7	—
81	Legal services	346.6	352.5	357.8	377.6	—	—	—	—	—	—
82	Educational services	1,149.4	1,045.7	1,306.0	1,168.2	—	—	—	—	—	—
821	Elementary and secondary schools	396.0	331.6	423.3	396.6	—	—	—	—	—	—
822	Colleges and universities	609.0	570.8	709.7	600.4	—	—	—	—	—	—
89	Miscellaneous services	871.8	880.6	888.2	901.4	—	—	—	—	—	—
891	Engineering and architectural services	403.8	406.3	404.8	411.8	—	—	—	—	—	—
892	Nonprofit research agencies	139.7	143.2	148.0	152.0	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		June 1975	July 1975	May 1976	June 1976 P	July 1976 P	June 1975	July 1975	May 1976	June 1976 P	July 1976 P
—	GOVERNMENT	14,796	14,219	15,289	15,168	14,530					
91	FEDERAL GOVERNMENT ⁵	2,771	2,800	2,735	2,758	2,773	—	—	—	—	—
	Executive	2,722.4	2,750.7	2,686.0	2,707.8	—	—	—	—	—	
	Department of Defense	968.0	972.4	930.2	936.7	—	—	—	—	—	
	Postal Service	696.3	698.1	670.6	672.8	—	—	—	—	—	
	Other agencies	1,058.1	1,080.2	1,085.2	1,098.3	—	—	—	—	—	
	Legislative	38.5	38.7	38.1	39.3	—	—	—	—	—	
	Judicial	10.3	10.1	11.1	11.1	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	12,025	11,419	12,554	12,410	11,757					
92	State government	3,127.2	3,033.8	3,310.7	3,200.3	—	—	—	—	—	
	State education	1,229.5	1,148.1	1,467.1	1,327.2	—	—	—	—	—	
	Other State government	1,897.7	1,885.7	1,843.6	1,873.1	—	—	—	—	—	
93	Local government	8,897.6	8,385.0	9,243.2	9,209.6	—	—	—	—	—	
	Local education	4,911.3	4,112.2	5,265.1	5,113.7	—	—	—	—	—	
	Other local government	3,986.3	4,272.8	3,978.1	4,095.9	—	—	—	—	—	

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

² Beginning January 1965, data relate to line haul railroads with operating revenues of \$5,000,000 or more.

³ Data for nonsupervisory workers exclude messengers.

⁴ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁵ Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

* Not available.

p=preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls, by industry

SIC Code	Industry	April 1975		January 1976		April 1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	TOTAL	29,907	39	30,657	40	31,384	40
	PRIVATE SECTOR	23,146	38	23,905	39	24,440	39
-	MINING	51	7	54	7	55	7
10	METAL MINING	4.0	4	4.5	5	4.6	5
11,12	COAL MINING	3.6	2	4.3	2	4.4	2
13	OIL AND GAS EXTRACTION	36.6	11	39.3	11	39.9	11
131,2	Crude petroleum and natural gas fields	23.7	15	25.0	16	25.2	16
138	Oil and gas field services	12.9	8	14.3	8	14.7	8
14	NONMETALLIC MINERALS, EXCEPT FUELS	6.4	6	6.3	6	6.5	6
142	Crushed and broken stone	2.1	5	2.1	6	2.1	5
144	Sand and gravel	1.8	5	1.7	5	1.9	6
	CONTRACT CONSTRUCTION	227	7	224	7	226	7
15	GENERAL BUILDING CONTRACTORS	72.6	7	71.1	8	71.1	7
16	HEAVY CONSTRUCTION CONTRACTORS	36.4	6	36.1	7	37.3	6
161	Highway and street construction	11.8	5	11.7	6	12.1	5
162	Heavy construction, nec	24.6	6	24.4	7	25.2	7
17	SPECIAL TRADE CONTRACTORS	117.8	7	117.1	7	117.4	7
171	Plumbing, heating, air conditioning	35.0	9	34.7	9	34.0	9
172	Painting, paper hanging, decorating	8.2	7	7.3	7	7.7	7
173	Electrical work	19.6	6	19.3	6	19.1	6
174	Masonry, stonework, and plastering	9.1	5	9.1	5	9.0	5
176	Roofing and sheet metal work	8.0	7	8.0	7	8.1	7
	MANUFACTURING	5,074	28	5,383	29	5,530	29
19,24,25,32-39	DURABLE GOODS	2,218	21	2,327	22	2,412	22
20-23,26-31	NONDURABLE GOODS	2,856	39	3,056	39	3,118	40
	DURABLE GOODS						
19	ORDNANCE AND ACCESSORIES	42.8	25	37.8	23	36.9	23
192	Ammunition, except for small arms	29.8	25	25.8	24	24.5	24
1925	Complete guided missiles	19.4	21	19.1	22	18.6	22
1929	Ammunition, except for small arms, nec	10.4	39	6.7	35	5.9	33
24	LUMBER AND WOOD PRODUCTS	65.9	13	71.7	13	75.3	13
241	Logging camps, and logging contractors	3.5	6	3.8	5	4.0	6
242	Sawmills and planing mills	13.6	7	15.1	8	15.1	7
2421	Sawmills and planing mills, general	10.3	6	11.1	6	11.2	6
243	Millwork, plywood and related products	23.8	14	26.4	14	28.3	14
2431	Millwork	12.8	18	14.8	18	15.8	18
2432	Veneer and plywood	8.0	12	8.6	12	9.3	13
244	Wooden containers	3.9	19	4.1	20	4.0	18
2441	Wooden boxes, shooks, and crates	3.2	19	3.4	20	3.2	18
249	Miscellaneous wood products	21.1	24	22.3	25	23.9	25
25	FURNITURE AND FIXTURES	119.1	28	133.6	28	136.2	28
251	Household furniture	92.3	30	106.4	31	108.5	31
2511	Wood household furniture	43.9	28	51.8	29	51.9	29
2512	Upholstered household furniture	29.7	34	33.8	34	35.1	34
2515	Mattresses and bedsprings	9.3	29	9.5	28	9.6	29
252	Office furniture	6.7	19	6.9	19	6.9	19
254	Partitions and fixtures	7.5	16	7.6	15	8.1	16
253,9	Other furniture and fixtures	12.6	28	12.7	29	12.7	28
32	STONE, CLAY, AND GLASS PRODUCTS	102.8	17	107.0	18	109.3	18
321	Flat glass	1.3	8	1.3	8	1.3	8
322	Glass and glassware, pressed or blown	41.4	34	43.0	34	43.8	34
3221	Glass containers	25.2	36	26.3	36	26.8	35
3229	Pressed and blown glass nec	16.2	31	16.7	31	17.0	31
324	Cement, hydraulic	1.3	4	1.3	5	1.3	4
325	Structural clay products	5.7	12	5.3	12	5.2	11
3251	Brick and structural clay tile	1.1	6	1.1	6	1.1	5
326	Pottery and related products	13.5	32	14.2	33	14.7	33
327	Concrete, gypsum, and plaster products	11.6	6	11.7	7	11.8	6
328,9	Other stone and nonmetallic mineral products	19.4	15	20.6	16	21.1	16
3291	Abrasive products	5.2	22	5.4	23	5.3	22

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls, by industry—Continued

SIC Code	Industry	April 1975		January 1976		April 1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	DURABLE GOODS—Continued						
	PRIMARY METAL INDUSTRIES	91.1	8	95.6	8	99.6	8
33	Blast furnace and basic steel products	28.5	5	26.8	5	27.9	5
3312	Blast furnaces and steel mills	22.5	5	21.0	5	22.1	5
332	Iron and steel foundries	13.2	6	12.1	6	12.7	6
3321	Gray iron foundries	6.3	4	5.8	4	6.3	5
3322	Malleable iron foundries	1.2	5	1.0	5	1.3	6
3323	Steel foundries	5.7	9	5.3	9	5.1	9
333,4	Nonferrous metals	3.9	5	4.1	5	4.2	5
3334	Primary aluminum	.9	3	1.0	3	1.1	3
335	Nonferrous rolling and drawing	29.9	17	35.0	19	36.6	19
3351	Copper rolling and drawing	2.8	9	2.7	8	2.9	8
3352	Aluminum rolling and drawing	6.4	12	6.9	12	7.1	12
3357	Nonferrous wire drawing and insulating	18.3	25	21.0	27	22.3	28
336	Nonferrous foundries	10.2	14	11.7	15	12.1	15
3361	Aluminum castings	4.8	12	5.5	13	5.8	13
3362,9	Other nonferrous castings	5.4	16	6.2	18	6.3	18
339	Miscellaneous primary metal products	5.4	7	5.9	8	6.1	8
3391	Iron and steel forgings	3.0	6	3.2	7	3.2	7
	FABRICATED METAL PRODUCTS	237.6	18	258.6	19	270.8	20
341	Metal cans	10.3	17	9.9	16	10.4	16
342	Cutlery, hand tools, and hardware	49.0	32	53.7	33	56.0	34
3421,3,5	Cutlery and hand tools, including saws	19.9	29	20.6	30	21.3	30
3429	Hardware, nec	29.1	34	33.1	36	34.7	36
343	Plumbing and heating, except electric	11.3	19	12.7	19	13.5	20
3431,2	Sanitary ware and plumbers' brass goods	5.4	20	6.3	21	6.8	21
3433	Heating equipment, except electric	5.9	17	6.4	18	6.7	18
344	Fabricated structural metal products	48.3	11	55.8	13	58.0	13
3441	Fabricated structural steel	6.7	6	6.5	6	6.4	7
3442	Metal doors, sash, and trim	13.1	21	20.1	31	21.3	31
3443	Fabricated plate work (boiler shops)	11.3	8	11.8	8	11.8	9
3444	Sheet metal work	11.5	14	11.7	14	12.4	15
3446,9	Architectural and miscellaneous metal work	5.7	11	5.7	11	6.1	11
345	Screw machine products, bolts, etc.	20.9	22	20.0	21	20.5	21
3451	Screw machine products	11.0	25	10.5	24	10.9	24
3452	Bolts, nuts, rivets, and washers	9.9	19	9.5	19	9.6	18
346	Metal stampings	40.9	20	44.5	20	47.2	21
347	Metal services, nec	15.3	19	17.8	21	19.4	22
348	Misc. fabricated wire products	13.5	24	14.2	25	14.9	25
349	Misc. fabricated metal products	28.1	17	30.0	19	30.9	19
3494,B	Valves, pipe, and pipe fittings	18.2	17	18.9	18	19.5	18
	MACHINERY, EXCEPT ELECTRICAL	334.4	16	329.4	16	337.5	16
35	Engines and turbines	17.4	15	18.1	16	18.2	16
3511	Steam engines and turbines	5.3	12	5.2	12	5.3	12
3519	Internal combustion engines, nec	12.1	17	12.9	19	12.9	18
352	Farm machinery	18.0	11	17.3	12	17.7	12
353	Construction and related machinery	34.7	10	35.0	10	35.0	10
3531,2	Construction and mining machinery	16.9	9	16.7	9	16.5	9
3533	Oil field machinery	6.8	11	7.7	11	8.0	12
3535,6	Conveyors, hoists, cranes, monorails	5.1	11	5.1	11	5.2	11
3537	Industrial trucks and tractors	3.0	10	3.0	10	3.0	10
354	Metal working machinery	44.0	14	41.4	14	42.7	14
3541	Machine tools, metal cutting types	7.0	11	6.2	10	6.2	11
3544	Special dies, tools, jigs and fixtures	11.4	10	11.0	9	11.6	10
3545	Machine tool accessories	11.2	20	10.4	20	10.4	19
3542,8	Miscellaneous metal working machinery	14.4	18	13.8	19	14.5	20
355	Special industry machinery	23.8	13	22.8	13	23.0	13
3551	Food products machinery	4.9	11	4.7	12	4.7	12
3552	Textile machinery	5.1	16	5.3	17	5.3	17
3555	Printing trades machinery	3.7	14	3.3	13	3.4	14
356	General industrial machinery	48.7	17	47.5	17	48.5	17
3561	Pumps and compressors	12.0	14	11.5	14	12.0	15
3562	Ball and roller bearings	12.3	22	12.1	23	11.6	23
3564	Blowers and fans	6.6	18	6.0	19	6.4	19
3566	Power transmission equipment	7.4	15	7.0	15	7.2	15
357	Office and computing machines	84.3	29	80.9	29	82.3	29
3573	Electronic computing equipment	63.7	30	60.5	29	61.0	29
358	Service industry machines	26.4	18	28.1	18	30.7	19
3585	Refrigeration machinery	16.6	16	18.4	17	20.5	18
359	Miscellaneous machinery, except electrical	37.1	15	38.3	16	39.4	16

**ESTABLISHMENT DATA.
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls, by industry—Continued

SIC Code	Industry	April 1975		January 1976		April 1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
DURABLE GOODS - CONTINUED							
36	ELECTRICAL EQUIPMENT AND SUPPLIES	674.5	39	714.6	40	739.6	41
361	Electrical test and distributing equipment	64.0	33	67.5	36	70.1	36
3611	Electric measuring instruments	31.2	44	29.9	44	31.0	45
3612	Transformers	12.6	25	14.1	29	14.7	30
3613	Switchgear and switchboard apparatus	20.2	28	23.5	32	24.4	33
362	Electrical industrial apparatus	66.4	33	71.7	35	75.3	36
3621	Motors and generators	32.6	33	35.8	35	38.1	36
3622	Industrial controls	25.1	39	26.3	41	27.3	42
363	Household appliances	39.3	27	46.9	29	50.0	30
3632	Household refrigerators and freezers	6.0	17	6.9	18	7.5	19
3633	Household laundry equipment	3.2	16	4.5	19	5.2	20
3634	Electric housewares and fans	20.5	50	23.5	51	24.3	51
364	Electric lighting and wiring equipment	75.2	42	82.2	44	86.3	45
3641	Electric lamps	22.7	65	22.9	65	23.8	65
3642	Lighting fixtures	19.7	34	22.0	36	23.0	36
3643,4	Wiring devices	32.8	39	37.3	41	39.5	42
365	Radio and TV receiving equipment	59.6	52	65.9	53	67.7	54
366	Communication equipment	158.8	36	148.3	35	149.4	36
3661	Telephone and telegraph apparatus	68.9	46	58.6	44	59.2	45
3662	Radio and TV communication equipment	89.9	31	89.7	31	90.2	31
367	Electronic components and accessories	172.8	51	188.9	53	194.7	53
3671-3	Electron tubes	17.9	41	16.6	39	16.7	40
3674,9	Other electronic components	154.9	53	172.3	55	178.0	55
369	Miscellaneous electrical equipment and supplies	38.4	31	43.2	32	46.1	33
3694	Engine electrical equipment	21.7	33	23.8	34	25.3	35
37	TRANSPORTATION EQUIPMENT	190.8	12	202.6	12	213.7	12
371	Motor vehicles and equipment	70.2	9	82.5	10	88.6	10
3711	Motor vehicles	23.8	8	26.4	8	29.0	8
3712	Passenger car bodies	2.0	5	3.1	7	3.3	7
3713	Truck and bus bodies	3.5	9	3.5	9	3.7	10
3714	Motor vehicle parts and accessories	39.5	12	48.2	13	51.2	13
3715	Truck trailers	1.4	8	1.3	7	1.4	7
372	Aircraft and parts	80.1	16	77.3	15	75.5	16
3721	Aircraft	43.6	17	42.9	16	42.0	16
3722	Aircraft engines and engine parts	20.3	14	19.0	14	18.7	14
3723,9	Other aircraft parts and equipment	16.2	16	15.4	16	14.8	16
373	Ship and boat building and repairing	15.7	8	17.4	8	18.9	9
3731	Ship building and repairing	10.3	7	11.6	7	12.1	7
3732	Boat building and repairing	5.4	13	5.8	13	6.8	14
374	Railroad equipment	6.1	11	5.2	11	4.9	11
375,9	Other transportation equipment	18.7	16	20.2	17	25.8	18
38	INSTRUMENTS AND RELATED PRODUCTS	183.8	38	195.0	39	201.4	40
381	Engineering and scientific instruments	17.8	29	17.1	29	16.6	28
382	Mechanical measuring and control devices	38.1	36	44.4	39	47.4	40
3821	Mechanical measuring devices	24.6	33	25.8	34	26.7	35
3822	Automatic temperature controls	13.5	43	18.6	49	20.7	50
383,5	Optical and ophthalmic goods	25.7	43	27.6	45	28.2	45
385	Ophthalmic goods	19.3	50	21.0	53	21.6	52
384	Medical instruments and supplies	51.2	50	53.7	51	55.1	51
386	Photographic equipment and supplies	32.8	26	33.7	27	34.6	27
387	Watches, clocks, and watchcases	18.2	62	18.5	63	19.5	64
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	175.4	45	181.4	45	191.3	46
391	Jewelry, silverware, and plated ware	20.6	42	22.7	44	23.7	44
394	Toys and sporting goods	58.4	53	52.8	50	59.4	52
3941-3	Games, toys, dolls, and play vehicles	32.5	57	27.6	52	31.7	54
3949	Sporting and athletic goods, n e c	25.9	49	25.2	49	27.7	49
395	Pens, pencils, office and art supplies	17.6	53	19.1	56	19.2	55
396	Costume jewelry and notions	25.0	53	29.2	54	29.6	54
393,9	Other manufacturing industries	53.8	36	57.6	37	59.4	37
393	Musical instruments and parts	9.7	43	10.5	43	11.0	44
NONDURABLE GOODS							
20	FOOD AND KINDRED PRODUCTS	411.1	26	431.5	26	434.4	27
201	Meat products	96.0	29	101.5	30	101.1	30
2011	Meat packing plants	23.8	14	25.1	15	25.1	15
2013	Sausages and other prepared meats	17.9	28	18.6	28	18.5	28
2015	Poultry dressing plants	54.3	54	57.8	54	57.5	53
202	Dairy products	36.2	18	34.7	18	36.4	19
2024	Ice cream and frozen desserts	5.6	25	4.9	23	5.9	25

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls, by industry—Continued

SIC Code	Industry	April 1975		January 1976		April 1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
NONDURABLE GOODS — CONTINUED							
FOOD AND KINDRED PRODUCTS — Continued							
2026	Fluid milk	19.4	15	18.8	15	19.4	16
203	Canned, cured, and frozen foods	99.2	41	102.7	41	107.6	42
2031,6	Canned, cured, and frozen sea foods	22.6	54	23.8	54	24.4	56
2032,3	Canned food, except sea foods	31.8	31	32.2	31	34.5	32
2037	Frozen fruits and vegetables	31.3	49	29.8	48	32.3	49
204	Grain mill products	21.7	16	23.4	17	23.8	17
2041	Flour and other grain mill products	3.5	14	3.7	14	3.6	14
2042	Prepared feeds for animals and fowls	10.8	16	11.5	16	12.0	17
205	Bakery products	57.8	25	60.0	25	60.9	26
2051	Bread, cake, and related products	40.1	21	40.6	21	41.6	21
2052	Cookies and crackers	17.7	46	19.4	48	19.3	48
206	Sugar	2.8	9	4.3	11	3.0	10
207	Confectionery and related products	29.1	44	34.7	46	33.8	45
2071	Confectionery products	22.0	46	27.0	48	26.1	48
208	Beverages	31.4	15	31.7	15	30.6	15
2082	Malt liquors	4.1	8	4.1	9	3.6	9
2086	Bottled and canned soft drinks	13.3	11	13.8	11	14.2	11
209	Miscellaneous foods and kindred products	36.9	26	38.5	26	37.2	26
21	TOBACCO MANUFACTURES	26.5	38	32.0	40	25.4	37
211	Cigarettes	14.1	32	14.8	32	14.6	32
212	Cigars	8.5	69	7.8	70	7.5	69
22	TEXTILE MILL PRODUCTS	397.8	46	441.3	46	450.9	46
221	Weaving mills, cotton	64.8	42	73.2	42	73.3	42
222	Weaving mills, synthetics	42.9	39	47.3	39	47.5	39
223	Weaving and finishing mills, wool	7.2	36	8.3	38	8.5	38
224	Narrow fabric mills	11.9	56	15.0	58	16.2	59
225	Knitting mills	149.0	63	159.0	63	165.9	64
2251	Women's hosiery, except socks	27.7	75	28.8	75	28.7	76
2252	Hosiery, n e c	22.3	72	24.1	72	25.5	73
2253	Knit outerwear mills	49.4	71	51.3	72	54.7	72
2254	Knit underwear mills	24.1	70	26.5	70	27.6	70
226	Textile finishing, except wool	21.2	28	23.2	28	23.6	28
227	Floor covering mills	20.1	36	21.4	36	21.9	36
228	Yarn and thread mills	62.9	48	74.5	49	74.4	48
229	Miscellaneous textile goods	17.8	29	19.4	30	19.6	29
23	APPAREL AND OTHER TEXTILE PRODUCTS	961.9	81	1,038.2	81	1,067.3	81
231	Men's and boys' suits and coats	63.6	75	67.1	76	66.5	76
232	Men's and boys' furnishings	281.9	84	315.5	84	323.2	84
2321	Men's and boys' shirts and nightwear	93.7	87	101.2	87	104.5	87
2327	Men's and boys' separate trousers	62.7	82	71.6	83	72.0	82
2328	Men's and boys' work clothing	66.8	82	77.1	83	77.3	83
233	Women's and misses' outerwear	328.2	86	339.6	86	348.0	86
2331	Women's and misses' blouses and waists	42.0	89	45.1	89	45.1	88
2335	Women's and misses' dresses	155.5	88	148.9	88	158.8	88
2337	Women's and misses' suits and coats	38.2	80	45.4	80	42.3	80
2339	Women's and misses' outerwear, n e c	92.5	85	100.2	86	101.8	86
234	Women's and children's undergarments	78.9	86	84.0	85	87.9	86
2341	Women's and children's underwear	60.1	87	64.3	87	67.6	88
2342	Corsets and allied garments	18.8	82	19.7	80	20.3	81
235	Hats, caps, and millinery	11.7	75	11.4	73	11.5	73
236	Children's outerwear	56.3	86	65.9	87	67.5	87
2361	Children's dresses and blouses	23.7	90	27.5	90	28.4	90
237,8	Fur goods and miscellaneous apparel	44.4	74	47.2	73	49.8	73
239	Miscellaneous fabricated textile products	96.9	62	107.5	62	112.9	63
2391,2	Housefurnishings	44.2	70	52.8	70	53.0	70
26	PAPER AND ALLIED PRODUCTS	126.6	20	135.8	21	139.0	21
261,2,6	Paper and pulp mills	20.0	11	21.8	11	22.2	11
263	Paperboard mills	4.8	7	4.9	7	5.0	7
264	Miscellaneous converted paper products	60.9	33	63.3	33	64.8	33
2643	Bags, except textile bags	13.0	33	14.1	33	14.1	33
265	Paperboard containers and boxes	40.9	22	45.8	23	47.0	23
2651,2	Folding and setup paperboard boxes	15.7	30	17.7	31	18.1	31
2653	Corrugated and solid fiber boxes	12.7	14	13.9	14	13.9	14
2654	Sanitary food containers	7.9	30	9.1	31	9.7	31

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls, by industry—Continued

SIC Code	Industry	April 1975		January 1976		April 1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
NONDURABLE GOODS — CONTINUED							
27	PRINTING AND PUBLISHING	377.0	35	371.5	35	378.4	35
271	Newspapers	119.5	31	121.5	32	122.7	32
272	Periodicals	34.8	51	35.3	51	35.4	51
273	Books	49.5	52	42.1	48	44.1	49
275	Commercial printing	102.4	29	102.5	29	104.9	29
2751	Commercial printing, ex. lithographic	57.7	29	58.4	29	59.4	29
2752	Commercial printing, lithographic	41.2	28	40.8	28	42.0	29
278	Blankbooks and bookbinding	24.7	50	23.9	49	25.2	51
274,6,7,9	Other publishing and printing ind.	46.1	35	46.2	36	46.1	36
28	CHEMICALS AND ALLIED PRODUCTS	209.4	21	216.7	21	221.3	21
281	Industrial chemicals	39.0	12	40.6	12	42.2	13
2812	Alkalies and chlorines	1.8	8	1.8	8	1.9	9
2818	Industrial organic chemicals, n e c	18.8	14	19.1	14	19.9	14
2819	Industrial inorganic chemicals, n e c	12.2	12	13.3	12	13.9	13
282	Plastics materials and synthetics	34.1	17	37.9	18	38.3	18
2821	Plastics materials and resins	8.3	10	8.3	10	8.8	10
2823,4	Synthetic fibers	25.0	25	28.7	27	28.6	26
283	Drugs	62.8	38	64.3	39	65.6	39
2834	Pharmaceutical preparations	51.7	40	53.4	41	54.4	41
284	Soap, cleaners, and toilet goods	41.3	35	42.8	36	43.4	38
2841	Soap and other detergents	7.7	20	8.2	21	7.1	21
2844	Toilet preparations	24.6	52	25.5	55	26.9	56
285	Paints and allied products	10.7	17	10.5	16	10.8	16
287	Agricultural chemicals	6.5	11	6.5	12	6.8	11
2871,2	Fertilizers, complete and mixing only	2.7	7	2.8	8	3.0	8
286,9	Other chemical products	15.0	18	14.1	18	14.2	18
2892	Explosives	3.6	19	2.7	17	2.5	16
29	PETROLEUM AND COAL PRODUCTS	19.0	10	19.6	10	20.0	10
291	Petroleum refining	14.0	9	14.8	9	15.0	10
295,9	Other petroleum and coal products	5.0	12	4.8	12	5.0	11
30	RUBBER AND PLASTICS PRODUCTS, NEC	181.3	32	204.9	34	213.1	34
301	Tires and inner tubes	10.2	9	10.5	9	10.6	9
302,3,6	Other rubber products	55.5	36	58.8	37	60.0	37
302	Rubber footwear	14.5	59	13.8	61	13.9	60
307	Miscellaneous plastics products	115.6	39	135.6	41	142.5	41
31	LEATHER AND LEATHER PRODUCTS	145.4	60	164.4	61	168.4	61
311	Leather tanning and finishing	3.1	14	3.5	14	3.6	14
314	Footwear, except rubber	102.7	66	113.2	66	115.2	66
312,3,5-7,9	Other leather products	39.6	60	47.7	64	49.6	64
316	Luggage	7.4	51	10.7	64	11.7	65
317	Handbags and personal leather goods	21.1	70	24.7	71	25.3	71
TRANSPORTATION AND PUBLIC UTILITIES		981	22	981	22	979	22
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	48.9	18	51.9	19	49.9	18
411	Local and suburban transportation	7.4	11	8.2	11	8.1	12
412	Taxicabs	5.3	6	4.8	6	4.9	6
413	Intercity highway transportation	4.2	11	4.3	11	4.3	11
42	TRUCKING AND WAREHOUSING	109.1	10	109.6	10	110.1	10
421,3	Trucking and trucking terminals	94.9	10	96.0	10	96.3	10
422	Public warehousing	14.2	16	13.6	16	13.8	17
45	TRANSPORTATION BY AIR	97.7	27	102.5	28	101.8	28
451,2	Air transportation	92.2	28	96.7	29	96.6	29
46	PIPE LINE TRANSPORTATION	1.3	8	1.5	9	1.5	9
44	WATER TRANSPORTATION	16.5	9	17.0	9	17.2	9
47	TRANSPORTATION SERVICES	33.7	25	34.3	25	35.6	24
48	COMMUNICATION	534.0	46	523.1	45	521.3	45
481	Telephone communication	477.1	50	464.6	49	461.4	49
483	Radio and television broadcasting	43.6	29	45.2	29	46.4	30
49	ELECTRIC, GAS, AND SANITARY SERVICES	116.3	16	118.8	16	119.0	16
491	Electric companies and systems	49.4	16	50.0	16	50.2	16
492	Gas companies and systems	28.4	18	30.1	19	30.0	19

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls, by industry—Continued

SIC Code	Industry	April 1975		January 1976		April 1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
NONDURABLE GOODS – CONTINUED							
ELECTRIC, GAS, AND SANITARY SERVICES – Cont'd							
493	Combination companies and systems	29.8	15	29.7	15	29.7	15
494-7	Water, steam, and sanitary systems	8.7	14	9.0	14	9.1	14
WHOLESALE AND RETAIL TRADE		6,881	41	7,093	42	7,208	42
WHOLESALE TRADE							
50	Motor vehicles and automotive equipment	986	24	1,018	24	1,023	24
501	Drugs, chemicals, and allied products	76.2	21	78.1	21	79.2	21
502	Dry goods and apparel	84.7	36	83.5	35	83.7	35
503	Groceries and related products	75.3	49	75.0	49	76.5	49
504	Electrical goods	121.2	21	135.5	22	132.1	22
506	Hardware; plumbing and heating equipment	83.9	26	84.7	27	86.2	27
507	Machinery, equipment, and supplies	47.4	26	47.7	26	47.6	26
508	Miscellaneous wholesalers	176.8	20	178.8	21	182.5	21
509		300.7	23	305.3	23	308.6	23
RETAIL TRADE							
52-59	Retail general merchandise	5,895	47	6,075	47	6,185	47
53	Department stores	1,600.2	68	1,712.9	68	1,657.4	68
531	Mail order houses	1,088.7	69	1,186.0	70	1,140.5	69
532	Variety stores	75.7	62	77.7	63	70.3	62
533	Food stores	214.8	72	218.4	72	219.5	72
54	Grocery, meat, and vegetable stores	750.1	39	775.2	39	772.4	39
541-3	Apparel and accessory stores	642.7	36	662.7	37	659.0	37
56	Men's and boys' clothing and furnishings	510.1	67	540.3	67	540.9	67
561	Women's ready-to-wear stores	56.1	42	62.8	43	59.8	43
562	Family clothing stores	255.5	89	266.0	89	266.1	89
565	Shoe stores	81.9	70	88.9	68	86.9	70
566	Furniture and home furnishings stores	62.4	39	62.9	39	67.6	39
57	Furniture and home furnishings	156.2	31	160.4	31	160.7	31
571	Eating and drinking places	103.0	33	104.8	33	105.5	33
58	Other retail trade	1,858.3	56	1,820.9	56	1,967.0	57
52,55,59	Building materials and farm equipment	1,019.7	28	1,064.9	28	1,087.0	28
52	Automotive dealers and service stations	110.8	19	115.3	19	117.8	19
55	Motor vehicle dealers	240.7	14	249.0	15	257.3	15
551,2	Other automotive and accessory dealers	93.3	12	96.1	12	97.9	13
553,9	Miscellaneous retail stores	49.0	16	51.4	16	52.5	16
59	Drug stores and proprietary stores	668.2	46	700.6	47	711.9	47
591	Book and stationery stores	285.8	62	296.8	62	291.3	62
594	Farm and garden supply stores	37.6	48	38.5	49	39.1	49
596	Fuel and ice dealers	32.6	24	29.5	23	34.0	24
598		19.0	19	20.2	19	19.9	20
FINANCE, INSURANCE, AND REAL ESTATE							
60	Banking	2,273	54	2,320	55	2,347	55
61	Credit agencies other than banks	844.7	67	863.2	67	865.7	67
612	Savings and loan associations	256.5	59	271.0	60	276.7	61
614	Personal credit institutions	110.8	69	122.9	70	126.9	70
62	Security, commodity brokers and services	98.6	51	98.6	51	100.0	51
63	Life insurance	59.2	35	60.3	35	61.9	35
631	Accident and health insurance	597.4	54	598.6	55	606.9	55
632	Fire, marine, and casualty insurance	241.7	46	238.3	46	240.5	47
633	Insurance agents, brokers, and service	85.5	71	85.5	72	86.7	72
64	Real estate	236.7	58	237.9	59	241.8	59
65	Subdividers and developers	185.6	57	189.3	57	192.8	57
655	Operative builders	271.2	35	279.3	36	284.1	36
656	Other finance, insurance, and real estate	28.1	24	26.8	26	27.5	24
66,67		11.4	22	11.4	22	11.8	21
		58.7	52	57.9	51	59.3	51
SERVICES							
Hotels and other lodging places:		7,659	55	7,850	56	8,095	56
701	Hotels, tourist courts, and motels	419.9	53	402.7	53	434.0	54
72	Laundries and dry cleaning plants	521.3	63	519.2	63	519.6	63
721	Photographic studios	222.8	63	219.4	62	217.7	62
722	Miscellaneous business services	28.4	67	27.5	65	27.3	63
73	Advertising	699.5	36	745.6	37	761.1	37
731	Credit reporting and collection	53.3	45	53.8	45	55.1	45
732	Services to buildings	53.6	69	53.7	69	54.8	69
734	Motion pictures	151.4	39	157.8	40	161.5	40
76	Motion picture filming and distributing	35.4	17	35.6	16	35.4	16
78	Motion picture theaters and services	74.1	38	72.2	37	77.2	39
781		22.5	39	23.4	37	23.5	40
782,3		51.6	37	48.8	38	53.7	38

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls, by industry—Continued

SIC Code	Industry	April 1975		January 1976		April 1976	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
	SERVICES — Continued						
80	Medical and other health services	3, 326. 9	80	3, 453. 3	80	3, 519. 8	80
806	Hospitals	1, 818. 5	80	1, 851. 4	80	1, 882. 6	80
81	Legal services	212. 0	64	224. 6	64	228. 3	64
82	Educational services	632. 7	50	640. 2	51	672. 0	50
821	Elementary and secondary schools	255. 3	62	264. 8	63	267. 2	63
822	Colleges and universities	302. 4	42	292. 2	43	318. 2	43
89	Miscellaneous services	238. 9	27	244. 9	28	252. 7	28
891	Engineering and architectural services	64. 5	16	65. 4	16	66. 7	17
892	Nonprofit research agencies	47. 6	35	50. 9	35	53. 3	36
	GOVERNMENT	6, 761	45	6, 752	45	6, 944	45
91	FEDERAL GOVERNMENT	810	30	801	29	802	29
92,93	STATE AND LOCAL GOVERNMENT	5, 951	49	5, 951	48	6, 142	49
92	State government	1, 439. 8	44	1, 439. 2	44	1, 478. 8	44
	State education	613. 9	44	620. 9	44	660. 4	44
	Other State government	825. 9	44	818. 3	45	818. 4	44
93	Local government	4, 511. 2	51	4, 511. 4	50	4, 663. 1	51
	Local education	3, 216. 7	63	3, 164. 1	62	3, 299. 4	63
	Other local government	1, 294. 5	34	1, 347. 3	34	1, 363. 7	35

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-4. Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted

[1967 = 100]

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	41.1	55.1	184.8	31.8	54.8	33.5	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920.....	41.5	54.8	202.1	26.4	54.8	34.3	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1925.....	43.7	53.6	177.7	45.1	51.1	38.3	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926.....	45.3	55.4	193.3	48.5	52.2	39.7	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927.....	45.5	54.7	181.7	50.1	51.4	40.5	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928.....	45.6	54.2	171.3	50.1	51.1	40.8	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929.....	47.6	57.1	177.3	46.7	55.0	42.4	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930.....	44.7	51.3	164.6	42.8	49.2	41.0	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931.....	40.5	44.1	142.4	37.8	42.0	38.5	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932.....	35.9	37.1	119.2	30.2	35.6	35.2	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933.....	36.0	38.5	121.4	25.2	38.0	34.7	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934.....	39.4	44.0	144.0	26.9	43.7	36.9	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935.....	41.1	46.8	146.3	28.4	46.6	38.0	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936.....	44.2	51.2	154.3	35.7	50.5	40.3	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937.....	47.1	55.5	165.6	34.7	55.5	42.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938.....	44.4	48.9	145.4	32.9	48.5	41.8	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939.....	46.5	52.8	139.3	35.8	52.9	43.1	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940.....	49.2	56.7	150.9	40.3	56.5	45.0	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941.....	55.5	68.5	156.1	55.8	67.8	48.4	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942.....	60.9	79.3	161.8	67.6	78.6	50.9	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943.....	64.5	86.4	150.9	48.8	90.5	52.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944.....	63.6	83.0	145.5	34.1	89.1	53.0	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945.....	61.3	75.2	136.4	35.3	79.8	53.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946.....	63.3	74.0	140.6	51.8	75.6	57.4	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947.....	66.6	79.4	155.8	61.8	79.9	59.6	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948.....	68.2	80.6	162.2	67.6	80.1	61.4	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949.....	66.5	75.4	151.7	67.5	74.3	61.6	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950.....	68.7	79.4	147.0	72.7	78.4	62.8	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951.....	72.7	85.6	151.5	81.1	84.3	65.6	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952.....	74.1	86.7	146.5	82.1	85.5	67.3	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953.....	76.3	90.4	141.3	81.8	90.2	68.6	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954.....	74.4	84.7	129.0	81.4	83.9	68.8	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955.....	76.9	88.0	129.2	87.3	86.8	70.9	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956.....	79.6	90.5	134.1	93.5	88.7	73.6	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957.....	80.3	89.9	135.1	91.1	88.3	75.1	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958.....	78.0	83.7	122.5	86.6	82.0	74.9	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959.....	81.0	87.5	119.4	92.3	85.7	77.4	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960.....	82.4	87.6	116.2	89.9	86.4	79.5	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961.....	82.1	85.2	109.6	87.8	84.0	80.4	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962.....	84.4	87.7	106.0	90.5	86.7	82.6	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963.....	86.1	88.5	103.6	92.4	87.4	84.8	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964.....	88.6	90.1	103.4	95.1	88.8	87.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965.....	92.3	94.0	103.1	99.3	92.9	91.4	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966.....	97.1	99.3	102.3	102.1	98.8	95.9	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8
1967.....	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	100.0	100.0
1968.....	103.2	101.8	98.9	103.1	101.7	103.9	101.2	103.6	102.4	104.0	104.8	105.2	103.9	100.7	105.0
1969.....	107.0	104.5	101.0	109.9	103.7	108.3	104.1	108.1	105.9	108.8	110.4	111.2	107.1	101.4	108.8
1970.....	107.7	101.0	101.6	110.2	99.5	111.3	105.7	110.5	108.3	111.3	114.3	115.1	110.2	100.4	113.3
1971.....	108.1	98.1	99.3	113.4	95.5	113.6	104.6	112.8	108.5	114.4	117.9	117.9	113.1	99.2	117.4
1972.....	111.9	101.2	102.0	119.4	98.2	117.8	106.0	117.4	111.9	119.4	122.3	122.7	117.0	98.7	122.8
1973.....	116.8	106.3	105.1	125.2	103.2	122.5	109.0	122.5	116.5	124.7	126.9	128.9	120.5	97.9	127.6
1974.....	119.1	106.1	113.2	123.3	103.1	126.1	110.2	125.1	119.8	126.9	130.5	134.8	124.4	100.2	132.0
1975.....	116.9	96.9	121.5	107.8	94.3	127.8	105.6	124.6	118.5	126.7	130.9	138.6	129.6	101.1	138.6
July	116.4	95.5	121.2	105.8	93.0	127.9	104.8	124.8	118.0	127.2	130.3	138.5	130.0	101.0	139.1
Aug	117.0	96.3	122.2	106.5	93.9	128.2	104.8	125.1	118.0	127.5	130.8	139.1	130.3	101.4	139.4
Sept	117.4	97.1	122.7	107.0	94.7	128.5	104.8	125.3	118.6	127.6	131.4	139.7	130.2	101.7	139.2
Oct	117.8	97.4	126.3	106.0	95.1	128.9	105.0	125.3	118.6	127.6	131.7	140.2	131.3	101.8	140.5
Nov	117.8	97.4	125.0	106.3	95.0	128.9	105.5	125.0	118.4	127.3	131.7	140.5	131.4	101.5	140.7
Dec	118.1	97.7	125.4	106.2	95.5	129.3	105.1	125.5	118.9	127.9	132.2	140.9	131.6	101.3	141.1
1976:															
Jan	118.7	98.5	124.6	106.9	96.3	129.8	105.5	126.7	119.5	129.1	132.3	141.7	131.3	101.0	140.8
Feb	119.0	98.4	124.5	105.2	96.5	130.2	106.0	127.3	120.2	129.8	132.3	142.2	131.6	100.8	141.2
Mar	119.4	98.9	125.6	104.9	97.1	130.6	105.6	127.8	120.2	130.4	132.6	142.8	131.9	100.5	141.8
Apr	119.9	99.5	125.9	106.0	97.6	131.1	105.8	128.2	120.7	130.8	133.1	143.6	132.3	100.4	142.2
May	119.8	99.4	126.1	105.5	97.5	131.0	105.6	128.2	120.9	130.7	132.7	143.7	132.2	100.3	142.2
June ^p	119.8	99.2	127.2	104.6	97.4	131.1	105.3	128.3	120.7	130.9	133.3	143.8	132.1	100.2	142.1
July ^p	120.1	99.2	128.9	104.7	97.3	131.6	105.5	128.8	120.9	131.5	133.5	144.3	132.9	100.0	143.2

p = preliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an

increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^P	July ^P
TOTAL	76,679	77,023	77,310	77,555	77,574	77,796	78,179	78,368	78,630	78,963	78,923	78,900	79,121
GOODS-PRODUCING	22,222	22,418	22,601	22,669	22,657	22,743	22,914	22,901	23,013	23,144	23,123	23,073	23,081
MINING	743	749	752	774	766	769	764	763	770	772	773	780	790
CONTRACT CONSTRUCTION	3,395	3,415	3,432	3,402	3,409	3,406	3,428	3,375	3,366	3,399	3,386	3,355	3,360
MANUFACTURING	18,084	18,254	18,417	18,493	18,482	18,568	18,722	18,763	18,877	18,973	18,964	18,938	18,931
DURABLE GOODS	10,465	10,563	10,650	10,661	10,653	10,717	10,820	10,846	10,937	11,000	11,046	11,050	11,024
Ordnance and accessories	172	167	165	164	161	163	162	162	161	161	161	158	156
Lumber and wood products	557	563	568	576	576	581	592	595	596	597	600	603	605
Furniture and fixtures	441	452	464	467	470	473	477	484	487	492	495	491	491
Stone, clay, and glass products	604	610	615	615	616	616	616	612	616	624	626	627	630
Primary metal industries	1,134	1,148	1,169	1,149	1,146	1,158	1,162	1,168	1,173	1,181	1,187	1,197	1,201
Fabricated metal products	1,298	1,331	1,340	1,344	1,339	1,344	1,358	1,369	1,381	1,389	1,391	1,389	1,376
Machinery, except electrical	2,017	2,013	2,035	2,039	2,032	2,030	2,039	2,039	2,049	2,054	2,064	2,063	2,069
Electrical equipment and supplies	1,712	1,747	1,755	1,767	1,764	1,773	1,785	1,795	1,818	1,828	1,833	1,833	1,819
Transportation equipment	1,645	1,645	1,643	1,641	1,648	1,676	1,712	1,699	1,726	1,739	1,748	1,748	1,743
Instruments and related products	482	481	486	490	492	494	498	501	505	510	512	514	512
Miscellaneous manufacturing	403	406	410	409	409	409	419	422	425	425	429	427	422
NONDURABLE GOODS	7,619	7,691	7,767	7,832	7,829	7,851	7,902	7,917	7,940	7,973	7,918	7,888	7,907
Food and kindred products	1,668	1,688	1,693	1,695	1,688	1,688	1,700	1,709	1,695	1,707	1,712	1,707	1,716
Tobacco manufactures	79	778	80	79	81	79	79	77	75	75	75	75	77
Textile mill products	897	918	938	953	950	955	958	964	964	972	973	967	982
Apparel and other textile products	1,245	1,245	1,261	1,287	1,290	1,299	1,314	1,306	1,322	1,317	1,315	1,314	1,312
Paper and allied products	633	639	648	652	652	658	665	667	671	674	678	674	671
Printing and publishing	1,068	1,072	1,075	1,071	1,072	1,074	1,069	1,069	1,075	1,077	1,079	1,074	1,070
Chemicals and allied products	999	1,008	1,011	1,019	1,020	1,018	1,024	1,029	1,030	1,033	1,031	1,029	1,031
Petroleum and coal products	199	199	200	201	202	201	203	204	204	204	203	202	202
Rubber and plastics products, nec	575	588	599	608	604	608	615	617	627	634	573	573	573
Leather and leather products	256	256	262	267	270	271	275	275	277	280	279	275	273
SERVICE-PRODUCING	54,457	54,605	54,709	54,886	54,917	55,053	55,265	55,467	55,617	55,819	55,800	55,827	56,040
TRANSPORTATION AND PUBLIC UTILITIES	4,464	4,466	4,467	4,476	4,496	4,477	4,494	4,517	4,498	4,510	4,498	4,487	4,496
WHOLESALE AND RETAIL TRADE ..	16,984	17,016	17,045	17,043	17,010	17,080	17,233	17,326	17,386	17,444	17,439	17,452	17,518
WHOLESALE TRADE	4,161	4,159	4,181	4,180	4,174	4,190	4,214	4,236	4,236	4,255	4,262	4,254	4,260
RETAIL TRADE	12,823	12,857	12,864	12,863	12,836	12,890	13,019	13,090	13,150	13,189	13,177	13,198	13,258
FINANCE, INSURANCE, AND REAL ESTATE	4,203	4,218	4,239	4,246	4,248	4,264	4,266	4,266	4,276	4,293	4,278	4,300	4,305
SERVICES	13,990	14,050	14,113	14,157	14,188	14,229	14,307	14,360	14,422	14,498	14,514	14,527	14,574
Hotels and other lodging places	976	986	982	993	997	990	999	1,008	1,004	1,009	1,016	1,006	-
Personal services	835	833	833	831	832	835	833	833	826	825	824	820	-
Medical and other health services	4,197	4,213	4,241	4,258	4,273	4,304	4,317	4,333	4,359	4,389	4,414	4,434	-
Educational services	1,215	1,212	1,225	1,233	1,236	1,241	1,237	1,243	1,257	1,264	1,253	1,223	-
GOVERNMENT	14,816	14,855	14,845	14,964	14,975	15,003	14,965	14,998	15,035	15,074	15,071	15,061	15,147
FEDERAL	2,745	2,756	2,765	2,767	2,761	2,755	2,746	2,740	2,732	2,730	2,727	2,725	2,719
STATE AND LOCAL	12,071	12,099	12,080	12,197	12,214	12,248	12,219	12,258	12,303	12,344	12,344	12,336	12,428

^P = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

(In thousands)

Industry division and group	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^P	July ^P
TOTAL	50,736	51,052	51,315	51,435	51,420	51,592	51,963	52,103	52,293	52,551	52,524	52,500	52,584
GOODS-PRODUCING	16,115	16,312	16,467	16,532	16,512	16,600	16,744	16,723	16,815	16,942	16,924	16,873	16,875
MINING	564	567	569	585	581	587	582	577	583	586	585	592	601
CONTRACT CONSTRUCTION	2,711	2,734	2,741	2,712	2,709	2,702	2,714	2,659	2,655	2,688	2,683	2,661	2,675
MANUFACTURING	12,840	13,011	13,157	13,235	13,222	13,311	13,448	13,487	13,577	13,668	13,656	13,620	13,599
DURABLE GOODS	7,348	7,450	7,527	7,548	7,539	7,603	7,698	7,722	7,795	7,858	7,900	7,894	7,858
Ordnance and accessories	81	77	75	75	71	73	73	73	73	74	73	72	71
Lumber and wood products	463	469	475	483	481	485	496	497	498	500	502	503	505
Furniture and fixtures	355	366	379	381	384	387	390	397	399	404	408	403	402
Stone, clay, and glass products	477	483	488	488	489	489	489	486	489	497	499	500	503
Primary metal industries	878	892	911	894	892	903	907	911	917	925	931	940	946
Fabricated metal products	960	993	1,000	1,004	1,000	1,006	1,020	1,030	1,040	1,049	1,051	1,048	1,034
Machinery, except electrical	1,300	1,300	1,314	1,319	1,310	1,308	1,317	1,318	1,326	1,328	1,337	1,332	1,327
Electrical equipment and supplies	1,097	1,131	1,139	1,151	1,147	1,160	1,171	1,179	1,197	1,209	1,215	1,215	1,200
Transportation equipment	1,143	1,142	1,140	1,144	1,155	1,182	1,211	1,202	1,224	1,236	1,241	1,240	1,233
Instruments and related products	287	286	291	295	296	298	302	304	305	310	313	313	315
Miscellaneous manufacturing	307	311	315	314	314	312	322	325	327	326	330	328	322
NONDURABLE GOODS	5,492	5,561	5,630	5,687	5,683	5,708	5,750	5,765	5,782	5,810	5,756	5,726	5,741
Food and kindred products	1,131	1,147	1,150	1,154	1,143	1,144	1,156	1,166	1,153	1,164	1,168	1,163	1,171
Tobacco manufactures	65	65	66	65	67	66	66	64	62	62	62	61	65
Textile mill products	777	800	819	832	831	836	837	841	842	848	850	843	857
Apparel and other textile products	1,071	1,071	1,086	1,107	1,112	1,122	1,133	1,127	1,130	1,137	1,132	1,131	1,127
Paper and allied products	474	479	487	490	492	497	502	505	508	512	515	510	508
Printing and publishing	629	632	632	630	629	631	627	626	629	630	632	628	626
Chemicals and allied products	560	566	573	579	580	579	583	587	588	590	589	587	587
Petroleum and coal products	127	128	128	129	130	130	131	132	132	133	132	131	130
Rubber and plastics products, nec	439	453	462	471	468	470	477	479	489	494	494	494	494
Leather and leather products	219	220	226	230	233	234	238	238	240	242	241	238	236
SERVICE-PRODUCING	34,621	34,740	34,848	34,903	34,908	34,992	35,219	35,380	35,478	35,609	35,600	35,627	35,709
TRANSPORTATION AND PUBLIC UTILITIES	3,827	3,825	3,828	3,835	3,854	3,832	3,854	3,880	3,863	3,869	3,851	3,844	3,849
WHOLESALE AND RETAIL TRADE	14,992	15,032	15,076	15,077	15,031	15,087	15,226	15,304	15,349	15,411	15,409	15,418	15,476
WHOLESALE TRADE	3,448	3,445	3,463	3,459	3,452	3,467	3,492	3,509	3,505	3,520	3,528	3,520	3,526
RETAIL TRADE	11,544	11,587	11,613	11,618	11,579	11,620	11,734	11,795	11,844	11,891	11,881	11,898	11,950
FINANCE, INSURANCE, AND REAL ESTATE	3,203	3,218	3,234	3,232	3,240	3,251	3,258	3,258	3,268	3,276	3,260	3,282	3,285
SERVICES	12,599	12,665	12,710	12,759	12,783	12,822	12,881	12,938	12,998	13,053	13,080	13,083	13,099

¹ For coverage of series, see footnote 1, table B-2.

^P-preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased, 1973 to date

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1973				
January	76.7	84.0	81.7	81.1
February	75.0	83.7	79.4	80.8
March	73.8	76.2	79.4	82.6
April	62.5	71.5	74.7	81.4
May	59.9	70.3	72.1	79.7
June	68.0	63.1	66.6	78.5
July	55.8	66.9	72.1	75.6
August	63.1	64.8	72.7	73.5
September	61.6	74.7	73.0	69.2
October	72.7	75.9	75.6	66.0
November	75.0	76.5	70.3	66.6
December	66.6	70.1	66.0	64.2
1974				
January	59.3	62.8	60.8	63.4
February	52.6	53.8	55.2	59.6
March	46.5	48.0	49.7	55.2
April	47.1	48.3	48.5	50.3
May	55.2	51.7	49.7	40.1
June	53.2	52.6	45.6	28.2
July	52.3	45.1	37.2	27.0
August	45.9	39.2	31.1	22.4
September	36.0	40.4	23.3	20.9
October	37.8	28.8	17.7	18.6
November	20.1	21.5	17.2	16.6
December	18.6	13.4	13.1	14.0
1975				
January	18.6	12.5	13.4	16.6
February	16.6	13.7	13.1	17.4
March	25.0	19.2	16.3	17.4
April	40.4	35.8	27.9	20.9
May	53.8	40.4	40.1	25.9
June	40.4	48.5	60.8	40.4
July	55.2	55.8	67.4	50.3
August	73.5	80.2	67.4	62.5
September	81.7	81.4	76.5	71.2
October	64.8	70.3	79.4	75.9
November	54.7	68.9	82.0	79.1
December	66.6	72.7	75.6	80.5p
1976				
January	75.0	78.8	80.2	79.9p
February	70.1	81.7	77.9	
March	70.9	78.8	74.1p	
April	75.3	77.3	70.3p	
May	66.3	65.7p		
June	42.4p	55.5p		
July	58.7p			
August				
September				
October				
November				
December				

¹ Number of employees, seasonally adjusted, on payrolls of 172 private nonagricultural industries.
p = preliminary.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
1 ALABAMA	1,147.2	1,174.9	1,183.4	12.2	12.9	12.1	69.6	70.0	73.5	318.8	326.9	330.7
2 Birmingham	307.1	308.9	307.9	7.8	8.0	8.1	20.0	19.1	20.2	67.2	55.5	55.4
3 Huntsville	98.9	101.2	101.9	(1)	(1)	(1)	4.8	4.1	4.4	22.9	25.9	26.4
4 Mobile	122.4	125.6	127.8	(1)	(1)	(1)	10.1	10.2	10.5	24.9	25.2	26.8
5 Montgomery	85.6	86.8	87.9	(1)	(1)	(1)	5.8	5.8	6.0	13.2	13.3	13.5
6 Tuscaloosa	45.3	44.6	44.3	(1)	(1)	(1)	3.0	3.0	3.2	11.7	9.3	9.5
7 ALASKA	171.3	182.4	186.6	4.2	4.3	4.5	30.9	41.6	43.1	10.3	11.0	11.6
8 ARIZONA	709.5	744.4	738.4	24.4	23.5	23.6	39.9	40.6	40.6	96.7	98.8	99.7
9 Phoenix	419.3	440.6	437.4	.4	.4	.4	22.1	22.7	22.7	70.5	72.1	72.8
10 Tucson	140.9	145.3	145.5	7.9	7.2	7.3	9.1	9.1	9.2	12.0	11.8	11.9
11 ARKANSAS	618.3	645.3	652.4	4.2	4.2	4.2	31.2	29.5	30.8	174.1	188.9	190.7
12 Fayetteville-Springdale	47.1	50.8	48.9	(1)	(1)	(1)	2.3	2.2	2.3	14.4	15.5	15.6
13 Fort Smith	53.5	57.1	57.1	.3	.3	.3	2.3	2.1	2.3	19.4	21.9	22.2
14 Little Rock-North Little Rock	151.3	152.4	153.7	(1)	(1)	(1)	9.8	7.3	7.9	26.9	28.1	28.6
15 Pine Bluff	24.8	25.5	24.9	(1)	(1)	(1)	1.1	1.0	1.0	5.7	5.5	5.6
16 CALIFORNIA	7,855.5	7,945.3	7,997.3	32.0	32.9	33.3	288.9	283.7	282.3	1,576.7	1,585.6	1,589.3
17 Anaheim-Santa Ana-Garden Grove	575.6	598.6	606.7	2.2	2.2	2.2	22.1	22.8	23.5	149.6	156.0	156.4
18 Bakersfield	103.6	104.6	106.6	7.4	7.5	7.6	3.9	3.8	3.9	9.1	8.6	8.6
19 Fresno	148.5	149.9	152.3	.8	.8	.8	7.1	6.7	7.0	19.5	20.0	19.7
20 Los Angeles-Long Beach	3,047.3	3,079.6	3,084.7	11.1	11.3	11.4	95.0	92.0	92.0	773.1	773.3	777.0
21 Modesto	67.5	68.5	69.4	.1	.1	.1	3.6	3.7	3.8	15.9	15.7	16.3
22 Oxnard-Simi Valley-Ventura	113.0	114.0	114.9	1.7	1.7	1.7	4.1	3.4	3.4	15.5	15.8	16.2
23 Riverside-San Bernardino-Ontario	338.6	341.3	341.7	2.4	2.4	2.4	12.6	11.3	11.5	51.1	51.7	52.0
24 Sacramento	315.8	320.3	323.6	.3	.4	.4	13.5	12.6	13.3	21.8	22.6	22.6
25 Salinas-Seaside-Monterey	76.2	74.4	75.4	.6	.6	.6	2.5	2.5	2.6	9.4	8.4	8.3
26 San Diego	471.8	478.0	481.6	.5	.5	.5	20.3	19.7	19.9	72.7	70.4	71.3
27 San Francisco-Oakland	1,326.2	1,322.4	1,323.3	1.5	1.6	1.6	59.6	56.6	57.1	185.3	185.6	187.7
28 San Jose	467.9	483.7	487.3	.1	.1	.1	17.7	17.5	17.7	149.6	153.6	155.5
29 Santa Barbara-Santa Maria-Lompoc	93.5	96.8	96.9	.7	.7	.7	3.1	3.1	3.1	12.4	12.9	12.7
30 Santa Rosa	64.7	67.5	68.1	.2	.2	.2	3.7	3.6	3.8	8.7	9.7	9.6
31 Stockton	103.0	103.4	104.6	.1	.1	.1	4.1	4.0	4.3	17.7	18.4	18.3
32 Vallejo-Fairfield-Napa	81.8	82.6	83.4	.1	.1	.1	3.4	3.5	3.5	8.7	8.3	8.4
33 COLORADO	953.0	981.2	990.6	18.5	19.4	20.1	58.0	55.5	57.5	133.5	138.0	139.5
34 Denver-Boulder	603.3	621.5	624.5	7.2	7.9	8.0	37.8	36.4	37.5	92.3	93.4	94.4
35 CONNECTICUT	1,236.9	1,230.7	1,241.2	(2)	(2)	(2)	47.9	39.2	40.7	393.3	392.8	397.9
36 Bridgeport	147.9	147.2	148.6	(2)	(2)	(2)	4.5	4.1	4.5	57.9	57.8	58.3
37 Hartford	340.3	337.6	337.2	(2)	(2)	(2)	12.1	11.4	11.5	85.7	84.6	85.0
38 New Britain	54.5	53.7	54.3	(2)	(2)	(2)	2.2	2.1	2.3	26.1	25.2	25.3
39 New Haven-West Haven	174.6	173.5	174.3	(2)	(2)	(2)	6.6	6.2	6.4	45.1	43.5	43.7
40 Stamford	90.0	90.5	91.9	(2)	(2)	(2)	3.1	2.9	3.1	27.9	28.5	28.9
41 Waterbury	82.1	79.4	80.1	(2)	(2)	(2)	2.7	2.5	2.7	33.7	31.3	31.7
42 DELAWARE	227.0	229.9	233.2	(1)	(1)	(1)	15.0	14.6	14.9	66.7	67.5	68.3
43 Wilmington	203.7	205.2	207.5	(1)	(1)	(1)	14.7	13.3	13.5	63.5	55.8	66.0
44 DISTRICT OF COLUMBIA ³	583.9	579.2	584.4	(1)	(1)	(1)	20.0	20.0	20.3	15.4	16.1	16.1
45 Washington SMSA	1,343.9	1,349.9	1,366.7	(1)	(1)	(1)	71.6	72.0	74.9	47.7	46.7	47.1
46 FLORIDA	2,719.2	2,728.8	2,711.4	11.0	11.1	11.1	168.8	135.4	138.3	324.0	341.9	339.5
47 Fort Lauderdale-Hollywood	228.3	230.7	231.2	(1)	(1)	(1)	18.3	14.2	14.1	23.9	24.7	25.1
48 Jacksonville	256.9	257.8	254.9	(1)	(1)	(1)	14.7	13.5	13.5	28.6	29.0	28.1
49 Miami	573.9	576.2	574.9	(1)	(1)	(1)	23.3	19.9	20.2	79.2	81.8	83.3
50 Orlando	212.2	211.2	210.8	(1)	(1)	(1)	13.6	13.6	13.6	24.2	23.9	23.9
51 Pensacola	83.9	85.4	84.2	(1)	(1)	(1)	7.0	6.6	6.6	13.8	13.8	13.9
52 Tampa-St. Petersburg	407.6	413.4	412.7	(1)	(1)	(1)	26.5	23.5	24.1	54.3	54.9	54.3
53 West Palm Beach-Boca Raton	137.9	142.2	139.9	(1)	(1)	(1)	11.0	9.7	9.7	17.2	17.2	17.2
54 GEORGIA	1,717.8	1,752.7	1,756.9	6.8	6.9	7.0	81.5	74.7	75.3	430.2	458.4	462.6
55 Atlanta	733.7	746.2	747.7	(1)	(1)	(1)	33.0	32.5	32.5	116.6	121.6	121.7
56 Augusta	99.6	104.9	105.2	(1)	(1)	(1)	5.6	5.0	5.0	30.7	32.4	32.6
57 Columbus	73.3	75.6	76.8	(1)	(1)	(1)	4.6	5.3	5.5	20.0	20.8	21.7
58 Macon	89.1	90.5	90.3	(1)	(1)	(1)	4.7	4.4	4.3	13.5	14.6	14.9
59 Savannah	71.6	73.4	74.1	(1)	(1)	(1)	4.6	4.5	4.7	14.5	15.4	15.6
60 HAWAII	343.7	342.6	348.4	(1)	(1)	(1)	28.9	24.0	23.8	26.1	24.1	26.9
61 Honolulu	290.7	288.1	293.7	(1)	(1)	(1)	24.8	20.3	20.1	19.2	17.5	20.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	
59.0	60.4	60.7	224.5	234.3	234.2	50.1	51.0	51.5	167.8	172.7	173.2	245.2	247.6	247.5	1
21.8	22.5	22.7	71.2	72.8	73.0	19.6	19.8	19.8	51.9	52.8	52.8	47.6	48.3	45.9	2
2.0	2.0	2.0	18.1	18.6	18.7	2.8	2.8	2.9	16.7	16.1	16.4	31.6	31.7	31.1	3
9.0	9.7	9.6	29.2	29.5	29.5	5.9	6.1	6.2	23.7	23.9	24.2	19.7	21.0	21.0	4
4.3	4.2	4.2	20.0	20.3	20.4	5.0	5.1	5.1	15.3	15.5	15.5	22.0	22.6	23.2	5
1.8	1.8	1.8	7.6	7.9	7.9	1.4	1.5	1.5	5.2	5.1	5.0	14.6	16.0	15.4	6
17.2	16.0	17.1	26.7	27.3	27.5	6.4	7.0	7.2	27.3	27.2	27.0	48.3	48.0	48.6	7
38.6	38.5	38.8	173.4	178.7	178.5	41.9	42.4	42.6	134.7	141.9	142.1	159.9	180.0	172.5	8
22.9	23.1	23.2	111.7	115.6	115.3	32.3	32.9	33.0	81.9	85.4	85.0	77.5	85.4	85.0	9
7.8	7.6	7.7	31.2	32.0	31.9	6.0	5.8	5.8	27.8	29.2	29.0	39.2	42.6	42.7	10
36.6	36.9	37.2	133.5	138.5	139.1	28.1	28.9	29.8	91.0	94.6	95.9	119.6	123.8	124.7	11
3.0	3.0	3.0	10.5	11.1	11.0	2.1	2.2	2.3	7.0	7.1	7.0	7.8	9.7	7.7	12
3.0	2.8	2.8	11.6	12.1	12.3	1.9	2.0	2.0	8.6	8.6	8.9	6.4	7.3	6.3	13
11.5	11.7	11.6	34.3	34.7	34.9	10.9	11.2	11.4	25.8	26.2	26.5	32.1	33.2	32.8	14
3.1	3.1	3.2	4.9	4.9	5.0	1.1	1.2	1.2	4.2	4.3	4.2	4.7	5.5	4.7	15
468.6	466.1	469.0	1,777.0	1,804.9	1,823.2	451.4	463.5	466.0	1,585.7	1,613.0	1,630.1	1,675.2	1,695.6	1,704.1	16
17.8	18.5	18.7	143.9	153.2	155.6	32.7	34.0	34.2	112.5	114.5	117.6	94.9	97.4	98.5	17
6.7	6.8	6.5	25.3	25.3	26.2	3.9	3.9	3.9	18.5	18.4	19.1	28.8	30.3	30.4	18
9.0	9.0	9.2	37.4	36.7	38.6	7.2	7.3	7.3	28.1	28.4	29.2	39.4	41.0	40.5	19
175.2	176.9	177.5	693.9	705.6	707.5	186.7	189.2	189.9	633.2	640.2	643.7	479.2	486.1	485.7	20
3.2	3.2	3.3	14.6	14.9	14.9	2.0	1.9	1.9	13.7	14.0	14.1	14.4	15.0	15.3	21
4.4	4.5	4.4	26.1	26.6	27.3	4.4	4.4	4.4	20.7	21.1	21.1	36.2	36.5	36.4	22
18.8	18.6	18.6	81.0	83.4	83.7	12.3	12.3	12.3	68.5	70.7	69.6	91.9	90.9	91.6	23
16.7	17.0	17.4	68.7	71.2	71.8	13.5	13.8	13.9	50.0	51.2	52.0	131.3	131.5	132.2	24
4.5	4.4	4.5	19.6	19.0	19.8	2.9	3.0	3.0	15.3	15.1	15.3	21.4	21.4	21.3	25
22.7	22.6	22.9	108.1	111.5	112.1	25.6	26.5	26.7	96.6	98.2	99.3	125.3	128.6	129.2	26
123.2	121.0	119.5	288.5	287.9	287.8	113.5	115.1	115.4	265.7	268.1	269.8	288.8	286.5	284.4	27
18.7	18.7	18.8	90.5	95.4	96.0	19.0	19.2	19.4	96.4	102.0	102.9	75.9	77.2	76.9	28
3.0	3.0	3.0	21.2	21.6	21.9	4.2	4.2	4.2	23.8	24.0	23.9	25.1	27.3	27.4	29
3.3	3.5	3.5	15.7	16.1	16.5	4.2	4.4	4.4	12.0	12.3	12.3	16.9	17.7	17.7	30
7.9	7.9	7.8	23.3	23.3	23.8	3.7	3.7	3.8	19.7	19.5	20.1	26.5	26.5	26.4	31
3.9	3.8	3.9	14.4	14.9	15.0	2.2	2.3	2.3	14.1	15.0	15.1	35.0	34.7	35.1	32
59.8	59.8	60.5	227.2	233.4	234.7	56.6	58.7	59.5	186.4	193.9	197.9	213.1	222.5	220.8	33
40.8	40.0	40.3	149.3	155.1	155.2	42.2	44.0	44.7	119.4	126.4	127.3	114.3	118.3	117.0	34
53.7	51.9	52.3	251.3	253.8	255.8	86.9	85.8	86.4	224.1	229.5	231.4	179.8	177.7	176.9	35
5.9	6.0	6.0	30.0	30.1	30.4	6.0	6.0	6.0	25.4	25.4	25.5	18.1	17.8	17.9	36
12.2	12.1	12.1	71.1	71.2	71.8	50.3	49.3	47.5	58.0	58.0	58.2	50.9	51.1	51.1	37
1.5	1.6	1.6	9.0	9.1	9.2	1.5	1.5	1.5	7.6	7.5	7.7	6.5	6.7	6.7	38
14.2	14.4	14.3	35.3	35.6	35.7	8.7	8.9	9.0	41.4	41.2	41.7	23.4	23.8	23.6	39
3.2	2.9	3.0	19.8	20.0	21.3	6.0	6.1	6.2	20.9	20.7	20.2	9.1	9.3	9.4	40
3.1	3.1	3.1	14.3	14.2	14.5	2.8	2.8	2.9	14.6	14.9	14.9	11.0	10.6	10.4	41
11.6	11.6	11.6	46.5	46.1	46.1	11.7	11.3	11.4	38.2	37.3	38.4	37.3	41.5	42.5	42
10.5	10.4	10.5	38.8	38.5	38.4	10.6	10.2	10.2	34.1	33.3	34.4	31.5	33.7	34.5	43
29.0	27.9	28.8	65.0	65.6	66.2	33.4	32.9	33.0	146.4	148.8	149.2	274.7	267.9	270.8	44
65.1	63.4	64.9	252.2	258.4	260.2	79.2	78.9	80.0	308.8	312.3	315.4	519.3	518.2	524.2	45
183.3	183.1	183.6	711.9	713.5	707.9	189.9	190.7	192.1	575.8	592.3	589.1	554.5	560.8	549.8	46
13.9	14.0	13.9	66.4	66.4	65.2	17.7	18.8	18.9	52.0	54.0	55.4	37.6	38.6	38.6	47
20.8	20.8	20.6	67.3	68.6	68.8	26.9	27.1	27.3	46.1	46.5	46.8	52.5	52.3	49.8	48
58.8	57.2	57.5	149.8	150.0	148.5	44.0	43.1	43.7	136.5	139.1	136.2	82.3	85.1	85.5	49
11.6	11.5	11.5	59.2	58.9	59.2	14.1	13.9	13.9	53.1	53.4	53.1	36.4	36.0	35.6	50
4.4	4.2	4.2	18.4	18.4	18.6	3.5	3.5	3.5	13.8	14.8	14.5	23.1	24.1	22.9	51
26.6	26.0	25.2	116.4	120.2	119.1	29.0	28.7	28.8	87.1	88.3	87.2	67.7	71.8	73.0	52
6.6	6.6	6.6	37.3	39.1	38.2	10.1	10.4	10.3	32.1	35.3	33.2	23.5	23.9	23.8	53
113.0	113.9	114.4	384.9	382.8	383.7	97.4	94.6	94.9	253.9	255.8	257.7	351.0	365.6	361.3	54
58.3	67.8	68.0	201.4	203.5	203.3	57.8	57.2	57.4	130.3	134.7	135.5	126.3	128.8	129.3	55
3.8	3.8	3.8	16.9	16.9	18.9	3.6	3.5	3.6	13.4	14.2	14.2	25.6	27.1	27.1	56
2.8	2.7	2.3	13.8	14.6	14.5	4.4	4.6	4.7	9.8	9.8	9.8	17.9	17.8	17.8	57
3.7	3.6	3.6	17.5	18.6	18.8	5.5	5.3	5.3	13.9	13.7	13.7	30.3	30.3	29.7	58
7.5	7.0	7.1	16.3	16.9	17.0	3.6	3.6	3.7	12.0	12.4	12.4	13.1	13.6	13.6	59
25.7	25.5	25.9	84.5	85.9	86.5	23.3	23.6	23.8	71.6	73.6	73.8	83.6	85.9	87.7	60
21.8	21.5	21.9	72.0	73.2	73.8	21.1	21.3	21.5	59.2	60.5	60.8	72.6	73.7	75.6	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
1 IDAHO ⁴	275.2	278.3	281.4	3.7	3.4	3.5	17.9	16.3	17.2	48.8	49.0	51.0
2 Boise City ⁴	61.2	64.0	64.6	(1)	(1)	(1)	5.4	5.7	5.8	6.2	6.5	6.6
3 ILLINOIS	4,443.6	4,440.2	4,478.3	25.3	25.5	26.1	191.4	179.0	193.1	1,214.0	1,201.6	1,213.9
4 Bloomington—Normal	43.0	45.6	42.9	(2)	(2)	(2)	1.7	1.4	1.5	7.0	6.5	6.5
5 Champaign—Urbana—Rantoul	65.7	67.5	64.2	(2)	(2)	(2)	2.8	2.6	2.9	6.1	6.2	6.2
6 Chicago—Gary	3,237.5	3,232.7	3,260.5	4.6	4.4	4.4	134.6	133.9	136.5	906.4	905.1	915.2
7 Chicago SMSA ⁵	3,004.6	2,998.5	3,022.6	4.5	4.3	4.3	122.4	121.1	123.4	812.0	807.9	817.5
8 Davenport—Rock Island—Moline	152.5	153.3	154.4	(2)	(2)	(2)	6.8	5.6	5.9	47.9	48.1	48.5
9 Decatur	51.4	51.7	51.7	(2)	(2)	(2)	2.7	3.4	3.3	19.2	17.9	18.1
10 Peoria	143.8	145.0	145.4	(2)	(2)	(2)	7.6	8.0	8.5	52.4	50.7	50.7
11 Rockford	112.0	113.0	114.0	(2)	(2)	(2)	3.5	3.4	3.6	49.3	50.2	50.9
12 Springfield	80.3	78.5	79.1	(2)	(2)	(2)	4.3	3.7	3.9	9.0	8.4	8.5
13 INDIANA	1,928.7	1,978.1	1,995.0	7.9	8.5	8.6	80.9	80.6	82.8	637.0	672.5	678.4
14 Evansville	106.3	107.8	107.8	2.2	2.3	2.3	5.1	4.8	5.1	34.3	35.6	35.4
15 Fort Wayne	150.4	150.7	149.8	(1)	(1)	(1)	6.6	6.1	4.3	50.5	52.9	53.2
16 Gary—Hammond—East Chicago ⁵	232.9	234.2	238.1	(1)	(1)	(1)	12.2	12.8	13.1	94.4	97.2	98.7
17 Indianapolis	451.7	446.7	449.0	(1)	(1)	(1)	14.9	12.8	13.2	116.7	119.1	119.2
18 Muncie	44.5	46.6	46.0	(1)	(1)	(1)	1.5	1.4	1.4	13.9	14.8	14.8
19 South Bend	99.2	99.4	100.1	(1)	(1)	(1)	3.4	3.6	3.8	29.5	28.7	27.9
20 Terre Haute	57.1	57.4	58.2	1.0	1.0	1.0	2.2	2.1	2.2	15.8	16.0	16.2
21 IOWA	996.3	1,021.6	1,020.1	2.9	2.8	2.9	50.5	46.6	50.6	227.8	231.4	230.6
22 Cedar Rapids	73.6	75.1	70.3	(1)	(1)	(1)	2.9	3.2	3.3	26.9	27.3	23.2
23 Des Moines	156.1	155.5	154.4	(1)	(1)	(1)	7.1	7.0	5.9	24.7	21.9	22.0
24 Dubuque	39.5	40.1	39.9	(1)	(1)	(1)	1.5	1.2	1.2	15.6	16.2	16.5
25 Sioux City	49.1	50.1	49.9	(1)	(1)	(1)	3.5	3.0	3.3	11.7	12.7	12.9
26 Waterloo—Cedar Falls	56.3	57.9	56.5	(1)	(1)	(1)	2.5	2.1	2.1	29.1	20.3	20.3
27 KANSAS	794.7	827.0	833.8	10.9	10.6	10.8	39.8	41.4	44.4	158.4	159.9	161.8
28 Topeka	75.3	73.6	74.4	.1	.1	.1	2.5	2.8	3.0	19.4	7.7	7.4
29 Wichita	165.6	169.0	169.8	2.1	2.0	2.0	7.8	8.4	9.0	51.1	51.8	52.0
30 KENTUCKY	1,040.8	1,063.2	1,069.1	45.6	45.6	45.9	48.6	54.7	55.2	249.7	260.1	266.7
31 Lexington—Fayette	118.0	122.0	121.2	(1)	(1)	(1)	6.4	5.0	6.0	28.7	30.1	29.9
32 Louisville	348.2	351.2	352.5	(1)	(1)	(1)	16.5	13.7	16.0	102.4	105.2	105.0
33 LOUISIANA	1,189.8	1,208.3	1,194.8	56.1	55.3	55.5	89.8	90.5	91.0	181.6	182.0	182.8
34 Baton Rouge	153.0	157.5	158.6	.9	.9	.9	15.1	17.5	18.2	21.6	21.6	21.8
35 Lake Charles	47.9	48.1	48.3	1.3	1.3	1.3	5.3	4.5	4.7	10.3	10.5	10.9
36 Monroe	42.3	43.5	43.3	.4	.4	.3	3.8	3.7	3.7	6.9	6.9	6.9
37 New Orleans	417.6	423.1	422.0	15.7	15.6	15.7	26.7	26.5	25.6	50.6	50.0	50.6
38 Shreveport	123.2	125.0	125.6	4.4	4.4	4.4	8.6	7.4	8.3	24.8	25.6	25.7
39 MAINE	365.1	364.8	374.5	(1)	(1)	(1)	19.1	19.7	20.2	97.5	101.3	106.3
40 Lewiston—Auburn	30.1	30.5	30.7	(1)	(1)	(1)	1.2	1.1	1.2	11.0	11.4	11.5
41 Portland	75.9	76.9	77.8	(1)	(1)	(1)	3.1	3.4	3.5	15.3	15.9	16.0
42 MARYLAND ⁶	1,432.0	1,445.6	1,457.6	1.8	1.7	1.8	94.7	89.9	94.8	230.5	232.4	235.9
43 Baltimore	845.5	854.5	859.3	.3	.3	.3	45.8	42.8	45.3	162.7	163.1	165.4
44 MASSACHUSETTS	2,333.6	2,353.8	2,364.8	(1)	(1)	(1)	84.7	70.5	73.4	592.0	604.6	608.8
45 Boston	1,268.5	1,263.6	1,269.5	(1)	(1)	(1)	49.8	40.6	42.0	252.1	256.3	259.7
46 Brockton	49.8	51.0	51.2	-	-	-	1.6	1.4	1.6	11.8	11.8	11.8
47 Fall River	48.0	50.0	50.0	(1)	(1)	(1)	(1)	(1)	(1)	19.0	20.4	20.3
48 Lawrence—Haverhill	95.1	93.9	93.6	(1)	(1)	(1)	2.5	2.1	2.3	38.2	36.0	35.8
49 Lowell	58.2	60.7	61.1	(1)	(1)	(1)	2.2	1.8	1.9	18.7	20.4	20.7
50 New Bedford	57.9	59.1	59.2	(1)	(1)	(1)	1.4	.9	1.1	23.3	24.5	24.2
51 Springfield—Chicopee—Holyoke	206.4	212.8	209.3	(1)	(1)	(1)	6.3	6.0	5.2	61.5	62.7	62.7
52 Worcester	140.2	143.2	143.8	(1)	(1)	(1)	4.6	4.5	4.6	41.3	41.7	42.3
53 MICHIGAN	3,135.1	3,193.7	3,208.0	14.1	13.1	13.4	99.1	85.6	84.9	979.4	1,039.7	1,046.2
54 Ann Arbor	107.0	114.6	113.6	(1)	(1)	(1)	2.1	2.0	2.2	31.6	35.6	36.0
55 Battle Creek	61.4	62.9	63.1	(1)	(1)	(1)	1.4	1.5	1.7	22.7	22.9	22.9
56 Bay City	31.5	32.8	33.0	(1)	(1)	(1)	1.0	1.2	1.4	9.4	9.7	9.6
57 Detroit	1,573.0	1,608.1	1,618.4	1.1	1.2	1.3	48.5	42.5	43.3	512.8	547.6	550.1
58 Flint	167.5	179.7	180.4	(1)	(1)	(1)	3.8	3.5	4.5	67.6	74.9	75.4
59 Grand Rapids	211.1	217.6	216.8	(1)	(1)	(1)	9.0	8.3	8.2	67.3	71.4	72.0
60 Jackson	48.7	47.9	48.5	(1)	(1)	(1)	1.6	1.6	1.8	15.3	13.7	14.0
61 Kalamazoo—Portage	93.8	97.2	97.4	(1)	(1)	(1)	4.2	3.9	4.0	37.7	32.1	32.3
62 Lansing—East Lansing	156.1	166.5	165.9	(1)	(1)	(1)	5.4	5.0	5.6	34.3	38.2	38.9
63 Muskegon—Norton Shores—Musk. Hgts.	56.7	59.2	59.4	(1)	(1)	(1)	2.1	1.7	2.0	21.2	22.9	22.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	
16.2	16.8	16.9	68.4	69.8	68.9	11.4	11.9	12.1	44.7	46.4	47.7	64.1	64.7	64.1	1
3.9	3.9	4.0	15.9	17.1	17.1	4.0	4.1	4.1	9.6	10.4	10.5	15.2	16.3	16.5	2
285.1	281.1	282.4	1,000.4	1,021.8	1,027.3	256.6	251.6	254.2	784.1	795.3	802.1	686.6	684.5	682.3	3
3.0	3.2	3.2	10.0	10.3	10.3	6.3	6.2	6.4	7.0	6.9	6.8	8.0	11.2	8.2	4
2.7	2.7	2.7	13.3	14.2	14.1	1.8	1.8	1.8	9.6	10.1	10.2	29.5	30.0	26.3	5
217.2	212.3	213.0	728.2	741.5	746.5	202.8	198.7	200.9	598.2	605.3	606.9	445.6	431.6	436.2	6
202.6	198.3	198.9	685.1	699.1	703.7	195.2	191.1	193.3	568.4	574.2	576.1	414.5	402.5	405.4	7
7.8	7.7	8.1	37.1	37.9	38.2	6.1	6.2	6.2	21.5	22.4	21.9	25.2	25.4	25.7	8
4.3	4.5	4.4	10.0	9.9	9.9	2.2	2.4	2.4	8.5	8.5	8.6	4.5	5.3	5.0	9
7.4	7.6	7.6	31.7	32.4	32.5	6.2	6.3	6.4	22.6	23.8	23.8	16.0	16.2	15.9	10
4.1	4.2	4.2	23.7	23.9	23.8	3.5	3.4	3.4	15.4	15.7	15.8	11.9	12.2	12.3	11
4.3	4.4	4.4	15.4	15.4	15.5	6.3	6.3	6.3	14.5	14.3	14.4	26.6	26.0	26.1	12
101.0	100.4	101.1	418.9	424.6	426.1	89.5	88.8	90.0	273.3	275.4	277.1	320.1	327.2	331.0	13
5.7	5.6	5.6	24.5	24.6	24.7	3.7	3.7	3.7	19.0	19.2	19.9	11.8	12.0	12.0	14
9.7	9.6	9.7	35.4	35.5	35.4	8.6	8.7	8.8	22.6	22.6	22.8	17.0	15.3	15.6	15
14.6	14.0	14.1	43.1	42.4	42.8	7.6	7.6	7.6	29.9	31.1	30.8	31.1	29.1	30.8	16
26.9	26.8	27.0	105.6	105.6	105.3	32.6	32.0	32.2	68.7	68.9	68.8	86.3	81.5	83.3	17
1.9	1.9	1.9	10.1	10.1	10.1	1.5	1.5	1.5	6.3	6.3	6.4	9.3	10.6	9.9	18
4.9	4.8	4.9	23.6	23.5	23.6	5.8	5.4	5.4	20.3	21.3	21.2	11.7	12.1	12.3	19
4.1	4.0	4.0	13.4	13.3	13.3	1.8	1.8	1.8	8.4	8.5	8.8	10.4	10.7	10.9	20
55.3	54.6	55.8	246.5	253.9	254.2	47.9	47.5	47.9	175.0	184.5	181.9	193.3	200.3	196.2	21
3.7	3.6	3.7	15.4	15.5	15.4	3.5	3.5	3.5	12.2	12.9	12.8	9.0	9.1	8.3	22
10.4	10.2	10.7	38.8	40.4	40.3	17.7	17.4	17.4	30.6	30.8	30.5	26.9	27.7	26.7	23
1.6	1.6	1.6	7.9	8.0	7.9	1.1	1.1	1.1	8.2	8.6	8.2	3.7	3.5	3.3	24
3.8	3.5	3.6	11.9	11.9	12.0	2.5	2.5	2.5	9.7	10.1	9.9	6.0	6.3	5.7	25
2.3	2.2	2.3	12.1	12.5	12.5	1.6	1.6	1.6	8.6	8.9	8.9	9.1	10.3	8.7	26
55.4	56.5	57.3	188.1	200.9	202.4	38.0	39.4	40.0	133.7	140.0	141.1	170.4	178.3	176.0	27
7.0	7.0	7.2	16.3	16.1	16.3	5.3	5.5	5.6	13.4	13.7	13.7	20.4	20.7	21.1	28
8.4	8.3	8.4	36.8	37.4	37.7	7.9	8.1	8.2	30.8	30.8	31.1	20.8	22.2	21.4	29
59.9	59.5	61.8	213.7	212.4	209.3	41.9	41.8	42.2	166.1	168.9	168.9	215.3	220.2	219.1	30
6.1	5.5	6.1	25.5	25.9	26.0	5.3	5.4	5.5	19.8	19.4	19.8	27.2	30.7	27.9	31
21.6	22.1	22.4	77.1	75.9	76.1	20.0	20.1	20.3	61.5	63.2	63.5	49.2	51.0	49.3	32
98.1	97.2	97.8	275.0	277.3	277.4	58.9	59.2	59.2	191.2	196.5	193.2	239.1	250.3	237.9	33
8.5	9.0	9.1	29.4	30.2	30.4	8.4	8.7	8.9	21.3	21.0	20.7	46.8	48.5	48.6	34
2.9	2.9	2.9	10.5	10.7	10.7	2.0	2.2	2.2	7.4	7.9	7.4	8.2	8.1	8.2	35
2.6	2.5	2.6	11.1	11.6	11.7	3.0	3.1	3.2	6.2	6.4	6.5	8.3	9.9	8.4	36
44.0	43.2	43.8	105.0	107.3	107.2	25.8	25.8	25.9	81.2	85.3	83.0	68.6	69.4	69.2	37
10.7	9.9	10.0	29.5	30.5	30.6	5.6	5.6	5.6	20.3	21.0	21.9	19.3	20.6	20.1	38
18.1	16.8	17.1	76.4	73.1	76.3	14.1	14.0	14.3	59.7	59.1	61.1	80.2	80.8	79.2	39
1.1	1.1	1.1	6.7	6.7	6.7	1.3	1.3	1.3	5.9	5.9	5.9	2.9	3.0	3.0	40
4.7	4.7	4.7	19.4	19.2	19.9	6.1	5.9	6.0	14.7	14.9	15.5	12.6	12.9	12.2	41
79.1	79.0	79.2	355.7	359.7	362.3	80.7	78.9	80.3	287.2	293.9	295.3	302.3	310.1	308.0	42
54.5	54.8	54.9	191.5	193.4	193.9	48.5	47.4	48.0	156.6	160.2	160.6	185.6	192.5	190.9	43
115.0	112.9	113.5	529.9	534.7	540.1	139.6	137.2	138.3	508.3	526.8	525.7	364.1	367.1	365.0	44
70.6	67.8	68.0	289.9	286.5	288.5	93.1	91.5	92.3	319.0	328.2	326.1	194.0	192.7	192.9	45
3.6	3.6	3.6	14.4	14.6	14.6	1.7	1.6	1.7	7.8	8.4	8.3	8.9	9.6	9.6	46
2.0	1.9	1.9	9.4	10.0	10.0	(1)	(1)	(1)	11.8	11.9	12.0	5.8	5.8	5.8	47
3.7	3.3	3.3	18.7	19.1	19.3	3.3	3.3	3.3	14.5	14.7	14.6	14.2	15.4	15.0	48
2.4	2.5	2.5	13.1	13.3	13.4	1.9	1.9	1.9	9.8	10.2	10.0	10.1	10.6	10.7	49
2.7	2.6	2.6	10.9	11.1	11.1	(1)	(1)	(1)	11.9	12.3	12.5	7.7	7.7	7.7	50
8.8	8.4	8.5	45.5	45.2	45.2	11.3	11.2	11.0	35.6	37.6	36.5	37.4	41.7	39.2	51
6.2	7.2	7.3	30.7	30.2	30.3	8.0	7.9	7.9	25.9	27.3	25.9	23.5	24.4	24.5	52
144.8	144.1	145.3	660.5	659.1	664.8	129.5	129.4	130.4	522.5	522.7	522.6	585.3	600.0	595.3	53
2.3	2.4	2.4	15.7	16.6	16.6	3.2	3.3	3.4	16.0	16.5	15.7	36.1	38.3	36.4	54
2.3	2.3	2.3	9.7	10.3	10.3	3.8	3.8	3.8	9.6	9.8	9.9	11.9	12.3	12.2	55
2.0	1.8	1.8	7.8	8.2	8.2	1.0	1.0	1.0	5.7	5.9	5.9	4.8	5.0	5.0	56
77.1	76.6	77.5	319.9	319.7	322.0	75.6	75.5	76.3	283.0	283.8	285.2	254.9	261.1	262.2	57
5.3	6.8	6.0	34.1	35.8	36.1	4.9	5.1	5.1	24.0	24.5	24.4	27.9	29.0	28.9	58
8.9	9.2	9.0	51.8	52.5	52.7	8.0	8.1	8.1	36.0	37.8	35.9	30.1	30.3	30.0	59
4.2	4.2	4.2	9.2	9.3	9.3	1.5	1.5	1.5	8.5	8.8	8.9	8.4	8.9	8.9	60
3.1	3.1	3.2	18.3	19.3	19.5	3.1	3.2	3.2	16.7	17.1	17.3	17.6	18.6	18.0	61
3.9	3.8	4.0	28.8	29.0	29.4	7.4	7.7	7.7	22.7	23.3	23.4	53.6	59.4	57.0	62
2.9	3.0	3.0	10.4	10.6	10.8	1.6	1.6	1.6	8.5	8.8	8.9	10.0	10.8	10.3	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8 Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
1 MICHIGAN—Continued												
1 Saginaw	77.3	81.8	82.1	(1)	(1)	(1)	2.2	2.3	2.5	28.8	31.6	31.8
2 MINNESOTA	1,483.4	1,510.3	1,522.4	14.8	14.5	15.0	63.1	67.3	73.6	312.1	311.4	317.6
3 Duluth—Superior	56.2	56.5	57.5	(1)	(1)	(1)	2.4	2.5	2.8	7.7	7.4	7.4
4 Minneapolis—St. Paul	900.9	914.3	912.9	(1)	(1)	(1)	32.6	36.5	37.8	202.2	200.5	203.1
5 MISSISSIPPI	655.9	687.3	683.1	6.3	6.3	6.4	37.0	37.4	38.1	193.9	209.1	211.4
6 Jackson	112.5	116.4	116.3	.8	.9	.9	5.8	5.2	5.6	16.8	17.4	17.7
7 MISSOURI	1,725.6	1,753.3	1,757.9	8.9	8.3	8.4	72.6	68.1	71.4	399.7	415.4	418.0
8 Kansas City	542.8	554.0	553.2	.6	.6	.6	26.8	25.4	25.6	105.7	110.5	109.7
9 St. Joseph	34.5	35.7	35.9	(2)	(2)	(2)	1.8	1.7	2.1	9.2	9.6	9.8
10 St. Louis	901.0	904.8	911.9	3.0	3.0	3.0	29.9	31.5	32.1	241.3	245.6	250.1
11 Springfield	69.6	71.9	72.3	.1	.2	.2	3.0	2.5	2.6	17.2	17.5	17.6
12 MONTANA	248.1	242.3	245.4	7.0	5.8	5.8	13.8	11.2	11.2	22.7	22.0	22.2
13 Billings	39.5	39.4	40.6	(1)	(1)	(1)	1.9	2.0	2.3	3.3	3.4	3.5
14 Great Falls	27.7	28.4	28.9	(1)	(1)	(1)	1.5	1.5	1.6	1.7	1.7	1.7
15 NEBRASKA	557.0	560.1	566.3	1.7	1.5	1.6	27.9	27.1	27.7	85.1	86.6	87.9
16 Lincoln	85.6	90.2	87.6	-	-	-	4.8	4.3	4.3	12.5	13.4	11.9
17 Omaha	234.5	235.0	239.3	(2)	(2)	(2)	9.7	11.4	11.1	33.5	33.5	33.8
18 NEVADA	269.2	276.7	282.3	4.5	3.7	3.8	12.7	13.9	14.5	12.5	12.9	13.0
19 Las Vegas	145.9	149.4	151.8	.2	.2	.2	7.0	7.7	7.8	5.1	5.5	5.5
20 Reno	74.8	79.3	80.0	.4	.4	.4	4.0	4.4	4.8	4.9	5.1	5.2
21 NEW HAMPSHIRE	299.2	302.9	313.2	.4	.4	.5	14.4	13.4	14.7	84.7	91.4	92.3
22 Manchester	56.5	57.7	58.8	(1)	(1)	(1)	2.7	2.3	2.5	15.6	16.6	16.9
23 Nashua ⁷	43.0	44.5	45.1	(1)	(1)	(1)	1.3	1.3	1.4	19.2	20.5	20.8
24 NEW JERSEY	2,692.0	2,666.6	2,701.5	2.8	2.9	3.0	88.6	85.3	87.5	739.7	729.7	739.2
25 Atlantic City	67.9	61.8	66.7	-	-	-	2.8	2.7	2.7	8.9	7.7	7.9
26 Camden ⁸	283.3	285.8	288.6	.1	.1	.1	12.2	13.1	13.6	62.8	62.5	62.7
27 Hackensack ⁹	346.3	336.6	341.3	(1)	(1)	(1)	12.1	11.0	11.3	101.2	109.0	101.1
28 Jersey City ⁹	232.2	230.5	230.2	-	-	-	4.1	3.7	3.8	77.2	74.4	73.3
29 Long Branch—Asbury Park	140.2	138.0	144.6	(1)	(1)	(1)	4.3	4.0	4.3	20.8	22.7	23.2
30 New Burn—Perth Amboy—Sayreville	239.3	237.6	239.5	(1)	(1)	(1)	8.9	8.9	9.0	80.5	77.4	76.4
31 Newark ⁹	846.9	839.2	847.7	.9	.8	.9	28.9	27.8	29.0	231.7	231.7	237.6
32 Paterson—Clifton—Passaic ⁹	174.7	175.6	176.8	(1)	(1)	(1)	4.6	4.6	4.7	63.5	64.3	65.3
33 Trenton	146.8	152.3	152.9	(1)	(1)	(1)	3.0	2.7	3.0	35.5	36.8	37.1
34 Vineland—Millville—Bridgeton	50.3	50.1	51.1	(1)	(1)	(1)	1.5	1.4	1.4	17.7	18.1	18.7
35 NEW MEXICO	369.6	386.3	392.9	20.2	21.1	21.4	24.8	25.5	25.6	27.1	29.6	29.9
36 Albuquerque	143.5	154.8	155.4	(1)	(1)	(1)	9.7	9.9	10.3	14.3	15.9	16.1
37 NEW YORK	6,855.0	6,724.7	6,774.3	7.8	7.6	7.8	215.9	202.9	209.3	1,408.8	1,409.4	1,423.3
38 Albany—Schenectady—Troy	308.0	304.4	305.4	(1)	(1)	(1)	12.1	10.5	11.0	60.1	51.0	62.2
39 Binghamton	106.6	108.6	110.3	(1)	(1)	(1)	4.9	4.1	4.6	38.3	39.9	39.9
40 Buffalo	482.3	483.6	486.4	(1)	(1)	(1)	15.2	15.2	15.2	139.8	140.7	141.3
41 Elmira	37.3	37.1	37.1	(1)	(1)	(1)	1.4	1.3	1.3	12.3	12.4	12.4
42 Monroe County ¹⁰	316.3	316.5	320.4	(1)	(1)	(1)	10.5	8.3	9.6	125.9	125.0	127.2
43 Nassa—Suffolk ¹¹	801.9	794.9	808.8	(1)	(1)	(1)	35.4	30.2	31.2	140.1	137.4	138.4
44 New York—Northeastern New Jersey	6,337.7	6,194.7	(*)	2.4	2.4	(*)	194.6	175.0	(*)	1,303.1	1,289.9	(*)
45 New York and Nassa—Suffolk ⁹	4,498.1	4,374.7	4,403.4	1.9	1.9	2.0	136.0	119.4	120.5	748.9	741.5	745.8
46 New York SMSA ¹¹	3,696.2	3,579.8	3,594.5	1.8	1.8	1.9	100.6	89.2	89.3	608.8	604.1	607.3
47 New York City ¹²	3,300.6	3,189.1	3,197.4	1.5	1.6	1.6	83.4	74.7	74.3	531.4	525.9	528.8
48 Poughkeepsie	88.0	86.0	85.5	(1)	(1)	(1)	3.3	2.8	3.0	28.6	27.0	27.1
49 Rochester	385.5	387.2	392.1	(1)	(1)	(1)	12.9	10.0	11.3	142.5	142.5	145.2
50 Rockland County ¹²	73.2	73.1	74.7	(1)	(1)	(1)	2.1	1.8	1.9	13.7	13.9	14.1
51 Syracuse	233.3	238.4	240.0	(1)	(1)	(1)	10.6	10.0	11.2	52.2	54.4	55.3
52 Utica—Rome	111.1	109.0	109.3	(1)	(1)	(1)	3.2	2.7	3.0	30.7	30.1	30.2
53 Westchester County ¹²	311.9	307.2	311.8	(1)	(1)	(1)	14.2	11.8	12.3	62.8	63.3	63.5
54 NORTH CAROLINA	1,992.8	2,036.5	2,046.2	3.9	3.8	3.9	117.9	115.4	116.2	730.2	762.7	768.0
55 Asheville	60.8	61.5	62.9	(1)	(1)	(1)	3.6	3.8	4.0	17.9	19.1	19.3
56 Charlotte—Gastonia	272.4	275.7	277.9	(1)	(1)	(1)	16.7	15.1	15.4	78.5	83.0	83.7
57 Greensboro—Winston-Salem—High Pt.	325.1	333.9	334.3	(1)	(1)	(1)	15.6	15.2	15.6	131.5	135.1	136.1
58 Raleigh—Durham	211.1	213.3	212.3	(1)	(1)	(1)	12.7	11.9	12.0	34.6	35.4	35.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNF 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	
3.8	3.9	3.9	16.0	17.1	17.3	3.2	3.2	3.3	12.6	12.5	12.6	10.6	11.1	10.8	1
89.9	92.6	89.1	376.6	380.5	383.3	75.9	75.5	76.4	278.7	291.2	292.0	272.3	277.4	275.5	2
6.5	7.4	7.6	14.1	14.4	14.4	2.0	2.1	2.1	11.9	11.5	12.0	11.6	11.3	11.2	3
57.5	60.0	59.6	226.9	229.3	229.9	55.7	56.0	56.6	178.6	184.2	183.6	147.5	147.7	142.3	4
34.5	33.7	34.2	130.7	133.2	133.4	27.5	27.8	28.0	87.3	88.8	88.2	138.6	151.0	143.6	5
7.3	7.0	7.3	27.0	27.3	27.3	9.3	9.4	9.5	20.6	23.1	21.2	25.0	26.0	27.0	6
122.5	123.7	123.6	406.6	407.4	407.8	94.3	93.6	94.9	309.3	315.8	316.8	311.7	321.0	316.9	7
49.4	50.5	50.1	138.3	141.0	141.7	36.6	36.5	36.9	101.7	105.5	106.6	83.7	84.0	82.0	8
2.3	2.4	2.3	8.4	8.7	8.8	1.7	1.6	1.6	6.0	6.0	6.1	5.1	5.7	5.2	9
65.0	65.1	65.3	203.3	201.2	202.3	49.9	49.5	50.0	177.2	177.1	177.8	131.4	131.8	131.3	10
5.1	5.1	5.1	18.5	19.3	19.3	2.7	2.7	2.8	12.8	13.8	13.7	10.2	10.8	11.0	11
19.6	19.3	19.4	61.1	59.6	60.0	10.2	10.5	10.6	46.4	45.5	47.0	67.3	68.4	69.2	12
3.6	3.3	3.4	12.9	13.0	13.1	2.0	2.0	2.1	8.2	8.3	8.4	7.6	7.4	7.8	13
2.0	2.0	2.0	8.5	8.6	8.7	1.9	1.9	1.9	6.0	6.6	6.7	6.1	6.1	6.3	14
39.7	41.1	42.2	140.4	144.3	143.4	34.1	34.7	35.2	99.1	102.2	101.3	129.0	122.6	127.0	15
5.6	5.9	5.9	17.8	18.5	18.1	6.0	6.3	6.4	14.3	15.4	15.2	24.6	25.4	25.4	16
21.6	21.2	21.6	59.7	59.0	59.5	19.9	20.1	20.5	48.6	49.1	48.9	41.5	40.7	43.7	17
17.2	17.6	17.9	52.7	55.1	56.7	10.8	10.9	11.1	113.7	114.7	119.1	45.1	47.9	46.2	18
9.2	9.5	9.7	28.2	30.1	30.6	5.7	5.7	5.8	70.7	70.3	71.9	19.8	20.4	20.3	19
5.6	5.8	5.8	16.7	16.8	17.3	3.9	4.0	4.1	27.0	28.4	29.8	12.3	14.4	12.6	20
12.3	11.9	12.0	65.3	65.4	67.5	14.2	14.2	14.4	59.8	57.1	62.1	48.1	49.1	49.7	21
3.7	3.5	3.6	13.2	13.5	13.7	3.9	3.9	4.0	10.6	10.9	11.0	6.8	7.0	7.1	22
1.8	1.8	1.7	8.7	8.5	8.6	1.4	1.4	1.5	6.1	6.4	6.5	4.5	4.6	4.6	23
175.0	177.9	179.0	597.2	590.6	602.1	135.7	136.9	139.0	477.3	476.5	481.1	475.7	466.8	470.6	24
3.3	3.1	3.2	19.1	16.4	18.7	3.8	3.9	4.1	17.1	15.4	17.3	12.9	12.6	12.8	25
14.9	13.8	14.2	73.5	73.8	74.2	13.6	13.3	13.7	51.1	54.6	54.9	55.1	54.6	55.2	26
17.4	16.7	16.8	97.8	96.4	97.4	14.0	14.3	14.6	61.4	60.5	51.0	42.4	37.7	39.1	27
30.1	29.5	29.5	42.6	42.7	42.9	8.7	8.9	9.2	27.9	28.0	28.1	41.6	43.3	43.4	28
5.8	5.9	6.1	35.6	34.2	37.1	5.6	5.5	5.6	33.7	31.6	33.5	34.4	34.1	34.8	29
17.4	16.4	16.5	51.3	53.2	53.5	6.7	7.3	8.2	30.4	31.1	31.7	44.1	43.3	44.2	30
63.9	63.2	63.8	163.1	160.2	160.6	58.8	59.6	59.0	157.6	156.2	157.3	142.0	139.7	139.5	31
6.3	5.9	5.6	39.9	40.0	40.0	8.5	8.4	8.6	27.2	28.4	28.7	24.7	24.0	23.9	32
5.3	5.0	5.1	21.3	23.1	22.6	6.3	6.3	6.3	36.0	36.9	36.9	39.4	41.5	41.9	33
3.2	3.0	3.0	7.7	7.5	7.5	2.6	2.5	2.6	7.2	7.2	7.4	10.4	10.4	10.5	34
22.1	23.2	22.3	82.1	86.7	88.6	16.8	17.2	17.6	71.4	72.5	77.0	105.1	110.5	109.5	35
8.0	8.5	8.1	35.6	39.5	40.0	8.6	8.7	8.9	32.5	35.3	35.5	34.8	37.0	36.5	38
434.6	425.6	427.4	1,405.4	1,386.4	1,397.3	582.6	570.4	583.9	1,446.6	1,452.4	1,454.8	1,353.2	1,270.0	1,270.5	37
15.3	14.3	14.3	62.1	59.6	59.5	13.9	13.5	13.9	58.1	59.6	60.1	86.3	85.9	84.4	38
4.6	4.6	4.7	19.5	20.1	20.6	3.6	3.8	3.8	13.7	14.1	14.4	21.9	23.0	22.3	39
27.4	27.3	27.5	105.5	107.3	107.8	19.6	19.7	19.9	86.5	88.3	88.6	88.3	85.1	85.0	40
1.5	1.5	1.5	8.0	7.9	8.0	1.0	1.0	1.0	6.2	6.2	6.1	6.9	6.9	6.7	41
11.0	10.5	10.6	56.9	57.9	58.4	13.8	14.0	14.2	58.3	61.4	60.9	40.0	39.4	39.5	42
35.3	34.1	34.6	210.8	212.1	217.0	42.9	44.1	44.7	166.3	170.2	174.2	171.2	166.8	168.7	43
461.7	449.6	(*)	1,331.6	1,323.8	(*)	583.3	572.7	(*)	1,333.0	1,335.7	(*)	1,128.0	1,045.6	(*)	44
326.6	317.6	319.1	937.0	931.4	937.3	406.4	474.4	487.0	1,028.0	1,030.5	1,031.9	833.3	758.0	759.7	45
291.3	283.5	284.5	726.2	719.2	720.3	443.6	430.3	442.3	861.9	860.5	857.9	662.1	591.2	591.0	46
268.9	261.5	262.4	636.0	628.8	629.1	423.4	409.8	421.3	769.3	768.3	763.8	586.7	518.5	516.1	47
2.7	2.7	2.7	15.0	15.1	15.1	2.5	2.5	2.6	14.8	15.2	14.5	21.0	20.7	20.5	48
13.6	13.2	13.2	73.7	75.1	75.8	15.4	15.9	16.2	68.0	71.4	71.1	59.4	59.1	59.3	49
3.8	3.6	3.6	15.9	16.5	16.9	2.6	2.5	2.6	15.4	15.3	15.5	19.7	19.4	20.2	50
13.7	13.9	14.1	52.7	54.4	54.9	14.3	14.6	14.7	41.5	44.3	41.8	48.4	46.9	47.9	51
4.1	3.9	3.9	20.3	20.2	20.4	5.0	4.9	5.0	18.1	18.9	18.4	29.7	28.4	28.4	52
18.1	17.9	17.9	71.6	71.1	71.4	17.3	17.6	18.0	75.2	74.9	76.4	52.9	50.7	52.4	53
99.4	100.1	100.4	370.7	373.5	374.4	86.9	86.0	87.1	263.3	266.9	267.4	320.5	328.1	328.8	54
3.2	3.1	3.1	12.8	12.5	12.7	2.7	2.6	2.7	11.2	10.8	11.5	9.4	9.6	9.6	55
23.2	23.9	24.1	64.4	64.8	65.0	18.1	17.7	18.2	37.6	37.4	37.6	33.9	33.8	33.9	56
18.8	19.3	19.2	59.4	60.8	60.8	15.5	15.0	15.2	43.6	45.3	44.9	40.7	43.2	42.5	57
10.4	10.3	10.3	40.8	40.1	40.2	14.1	13.7	13.8	39.5	41.4	40.6	59.0	60.5	59.6	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
1 NORTH DAKOTA	205.5	211.4	214.1	2.2	2.3	2.4	15.3	14.3	16.2	16.4	15.8	16.1
2 Fargo—Moorhead	52.6	55.2	55.1	.1	.1	.1	3.6	3.3	3.6	4.6	4.7	4.9
3 OHIO	4,047.3	4,063.2	4,093.5	27.1	28.1	28.5	150.9	141.3	146.7	1,249.8	1,267.3	1,275.8
4 Akron	249.5	236.0	236.9	.2	.2	.2	7.5	6.9	7.4	82.4	72.2	71.9
5 Canton	147.1	147.8	147.9	.5	.6	.6	5.0	5.1	5.3	55.7	54.9	54.8
6 Cincinnati	539.8	541.0	547.3	.4	.4	.4	22.3	20.9	21.2	154.3	153.6	155.7
7 Cleveland	854.9	858.8	864.0	1.5	1.3	1.3	30.4	27.8	28.4	254.8	256.9	259.3
8 Columbus	448.2	449.6	451.8	.7	.7	.7	17.0	15.2	15.8	90.8	92.4	93.4
9 Dayton	321.2	324.1	324.3	.4	.3	.3	11.1	10.1	10.6	97.4	101.8	102.1
10 Toledo	276.0	278.7	279.1	.6	.6	.6	11.2	10.0	10.1	80.1	83.4	83.8
11 Youngstown—Warren	203.4	203.9	205.0	.4	.3	.4	5.8	5.6	6.0	80.3	81.7	81.4
12 OKLAHOMA	886.6	906.9	911.3	40.4	41.0	41.9	42.9	43.2	43.5	148.1	150.8	152.9
13 Oklahoma City	309.5	316.6	316.4	8.6	9.1	9.1	16.7	16.7	16.5	38.9	38.6	38.9
14 Tulsa	222.7	229.0	228.8	13.5	14.2	14.5	13.2	13.1	13.2	50.6	50.8	50.9
15 OREGON	845.2	859.3	877.1	1.6	1.5	1.5	36.8	34.5	36.2	184.5	185.6	191.2
16 Eugene—Springfield	84.8	87.7	89.6	(1)	(1)	(1)	3.8	3.5	4.1	18.8	19.2	19.7
17 Jackson County	-	-	-	-	-	-	-	-	-	6.9	7.0	7.3
18 Portland	441.1	449.8	456.2	(1)	(1)	(1)	17.4	17.9	18.4	91.4	91.5	93.5
19 Salem	67.9	69.4	68.7	(1)	(1)	(1)	3.3	3.4	3.5	10.8	10.8	13.0
20 PENNSYLVANIA	4,445.9	4,446.3	4,458.7	47.7	48.5	49.7	190.0	187.9	188.9	1,333.5	1,327.9	1,341.2
21 Allentown—Bethlehem—Easton	251.7	249.5	253.3	.9	1.1	1.1	10.8	9.9	9.9	108.4	106.0	107.9
22 Altoona	49.6	49.6	50.0	(1)	(1)	(1)	2.4	2.0	2.0	12.7	13.0	13.2
23 Delaware Valley ¹³	1,493.8	1,499.3	1,503.5	1.1	1.0	1.0	59.4	55.6	58.1	386.0	395.5	387.9
24 Erie	109.2	108.3	106.9	(1)	(1)	(1)	3.7	2.8	2.9	44.9	42.1	41.8
25 Harrisburg	200.9	204.0	204.7	(1)	(1)	(1)	9.7	9.8	10.1	37.4	38.4	38.4
26 Johnstown	85.8	86.7	87.2	8.3	8.6	8.7	2.4	2.3	2.4	22.9	22.7	22.7
27 Lancaster	131.9	134.2	134.4	(1)	(1)	(1)	6.9	6.5	6.8	52.6	53.4	54.3
28 Northeast Pennsylvania	224.1	226.5	227.2	1.1	1.1	1.1	9.7	11.5	12.0	71.1	71.8	71.4
29 Philadelphia SMSA	1,777.2	1,784.5	1,792.3	1.2	1.1	1.2	71.6	68.6	71.7	448.9	447.6	450.7
30 Philadelphia City ¹⁴	804.6	813.1	812.6	-	-	-	22.1	20.9	21.0	164.2	166.0	166.7
31 Pittsburgh	890.4	876.2	880.3	10.7	11.1	11.4	40.2	37.1	34.0	252.4	247.7	250.9
32 Reading	125.3	129.9	130.9	(1)	(1)	(1)	4.5	4.9	5.1	46.9	49.1	49.9
33 Scranton ¹⁵	81.0	81.2	81.4	-	-	-	2.5	2.3	2.4	26.4	26.6	26.8
34 Wilkes-Barre—Hazleton ¹⁶	118.2	121.4	121.3	1.0	1.0	1.0	6.0	8.3	8.5	40.0	40.7	40.7
35 Williamsport	43.9	43.7	44.7	(1)	(1)	(1)	1.6	1.3	1.4	17.8	18.0	18.6
36 York	130.5	132.6	133.7	(1)	(1)	(1)	6.1	6.0	6.2	54.4	56.7	57.7
37 RHODE ISLAND	346.1	345.5	349.4	(1)	(1)	(1)	11.1	9.9	10.7	109.5	113.1	114.6
38 Providence—Warwick—Pawtucket	357.0	357.8	361.7	(1)	(1)	(1)	11.3	10.1	10.9	121.6	126.4	128.1
39 SOUTH CAROLINA ¹	974.6	1,025.4	1,021.0	2.0	1.9	1.8	63.6	58.6	59.6	333.4	366.3	368.4
40 Charleston—North Charleston ⁴	114.1	119.4	120.5	(1)	(1)	(1)	9.1	10.4	10.4	14.2	16.6	16.9
41 Columbia ²	138.3	146.5	144.6	(1)	(1)	(1)	7.7	7.5	7.7	21.0	22.6	22.6
42 Greenville—Spartanburg ⁴	219.9	230.6	230.3	(1)	(1)	(1)	15.3	15.0	15.1	92.6	99.9	99.9
43 SOUTH DAKOTA	214.2	216.8	219.2	2.6	2.6	2.6	9.8	9.3	10.0	20.4	21.7	22.5
44 Rapid City	25.7	25.5	25.8	(2)	(2)	(2)	2.1	2.0	2.1	2.2	2.3	2.3
45 Sioux Falls	45.6	45.9	47.5	(2)	(2)	(2)	2.4	2.6	2.9	6.5	6.8	7.1
46 TENNESSEE	1,494.3	1,513.9	1,520.7	9.4	9.4	9.4	73.6	59.6	64.3	449.5	468.0	472.6
47 Chattanooga	148.7	155.0	156.1	.8	.8	.8	5.1	5.4	5.7	51.9	55.1	55.0
48 Knoxville	171.4	170.2	179.1	1.8	1.6	1.6	9.8	3.0	9.3	45.8	48.1	48.3
49 Memphis	317.5	314.2	316.1	.2	.2	.2	14.8	11.7	11.8	55.5	55.3	55.6
50 Nashville—Davidson	290.5	297.7	300.4	(1)	(1)	(1)	16.8	15.1	14.9	70.0	75.5	76.7
51 TEXAS	4,407.5	4,508.2	4,533.5	131.0	132.7	136.3	280.9	280.4	280.8	799.9	825.0	829.1
52 Amarillo	61.4	64.1	63.9	(1)	(1)	(1)	4.5	4.1	4.4	6.9	9.2	9.2
53 Austin	167.3	172.9	172.5	(1)	(1)	(1)	11.4	10.8	11.0	14.4	15.8	16.1
54 Beaumont—Port Arthur—Orange	126.6	134.7	134.5	(1)	(1)	(1)	7.2	12.4	12.6	42.0	41.9	41.9
55 Corpus Christi	96.9	98.7	97.8	3.6	3.6	3.6	8.0	8.0	8.1	11.4	11.6	11.6
56 Dallas—Fort Worth	1,072.4	1,087.5	1,091.6	12.1	12.4	12.5	43.2	43.8	45.7	236.6	245.7	245.7
57 El Paso	125.1	131.8	130.9	(1)	(1)	(1)	7.4	5.7	6.0	28.3	29.3	29.5
58 Galveston—Texas City	62.0	62.3	62.5	(1)	(1)	(1)	4.3	2.6	2.4	11.9	12.2	12.1
59 Houston	997.4	1,025.2	1,031.2	43.8	44.6	45.5	91.0	95.7	96.7	175.0	175.5	176.6
60 Lubbock	70.6	72.3	71.4	(1)	(1)	(1)	4.5	3.5	3.7	9.4	10.3	10.3
61 San Antonio	311.6	317.3	318.0	1.5	1.7	1.7	19.5	19.0	19.7	36.7	39.7	40.2
62 Waco	55.0	56.9	57.2	(1)	(1)	(1)	3.2	2.9	3.2	12.0	12.9	13.0
63 Wichita Falls	43.5	44.2	43.9	2.2	2.2	2.2	1.8	1.8	1.9	7.2	7.2	7.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	
12.7	13.0	13.2	56.3	58.8	59.6	8.8	9.1	9.2	40.1	41.7	42.0	53.8	56.5	55.5	1
3.4	3.5	3.5	16.2	16.8	17.0	3.0	3.1	3.2	10.8	11.9	11.5	10.8	11.9	11.4	2
216.2	206.6	200.5	870.3	872.5	879.4	178.3	179.2	181.4	713.1	727.5	741.3	641.7	640.6	639.9	3
14.0	13.5	12.9	52.1	52.0	52.3	8.0	8.0	8.0	43.9	42.9	43.8	41.3	40.3	40.5	4
7.0	6.7	6.1	31.7	32.4	32.9	5.1	5.1	5.1	25.1	25.9	26.4	16.9	17.2	16.8	5
31.4	29.5	30.1	119.3	120.5	121.3	28.9	28.3	28.6	104.7	106.9	109.5	78.6	80.9	80.5	6
47.8	45.6	42.6	195.9	196.4	197.8	43.7	44.0	44.5	160.5	164.2	165.4	120.3	122.5	124.7	7
21.8	20.8	20.6	104.6	106.5	107.1	31.3	31.9	32.2	86.3	88.4	89.5	95.7	93.8	92.4	8
11.9	11.4	10.4	65.6	65.9	66.0	11.8	11.8	11.9	58.8	58.8	59.5	64.2	63.9	63.4	9
17.9	17.2	16.6	62.5	62.2	62.5	9.4	9.5	9.6	50.1	51.5	51.8	44.1	44.3	44.1	10
10.3	9.8	9.4	41.9	41.1	41.6	6.6	6.6	6.6	33.9	35.3	35.9	24.2	23.6	23.7	11
55.5	55.2	56.0	210.5	216.3	218.6	47.5	48.1	48.8	142.5	146.5	148.1	199.2	205.8	201.5	12
19.4	19.9	20.0	76.9	80.0	80.6	20.7	20.2	20.3	49.4	50.7	51.3	78.9	81.4	79.7	13
18.2	18.3	18.3	52.3	54.6	54.3	13.0	13.7	13.9	38.8	40.7	41.1	23.1	23.6	22.6	14
49.0	50.4	51.0	197.6	204.7	208.0	45.1	47.2	47.7	147.8	151.5	155.2	182.8	183.9	186.3	15
4.4	4.6	4.6	19.9	20.6	20.9	3.5	3.7	3.6	14.2	15.3	15.4	20.2	20.8	21.3	16
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
30.1	30.4	30.9	110.8	113.1	114.5	30.7	31.7	32.2	85.5	88.6	90.3	76.2	76.6	76.4	18
2.3	2.3	2.3	13.7	13.8	13.8	3.8	3.8	3.8	10.4	11.0	10.4	23.6	24.3	21.9	19
256.1	256.2	258.9	897.9	894.5	897.0	210.3	210.7	213.2	810.5	820.5	824.2	699.9	700.1	685.6	20
12.9	12.4	12.6	43.1	42.7	43.1	7.6	7.9	8.1	36.3	37.2	37.5	31.7	32.3	33.1	21
7.4	7.5	7.5	10.5	10.7	10.8	1.4	1.5	1.5	7.6	7.6	7.7	7.6	7.3	7.3	22
82.0	82.0	82.5	312.2	311.8	312.8	96.7	95.8	96.6	318.0	332.1	331.2	238.4	235.5	233.4	23
5.0	4.8	4.9	20.0	19.6	19.7	4.4	4.7	4.7	18.0	18.8	18.8	13.2	15.5	14.1	24
14.4	14.4	14.2	40.9	41.6	41.6	10.7	11.1	11.2	33.2	34.4	35.4	54.6	54.3	53.8	25
5.4	5.3	5.1	16.1	16.7	17.0	3.0	3.2	3.3	13.6	14.1	14.2	14.1	13.8	13.8	26
5.8	5.9	5.8	27.6	28.2	28.3	4.4	4.3	4.4	21.8	22.2	22.1	12.8	13.7	12.7	27
11.9	11.6	11.8	46.5	46.5	46.8	8.9	8.9	9.0	39.2	39.0	39.5	35.7	36.1	35.6	28
96.9	95.7	96.7	385.7	385.6	387.0	110.3	109.2	110.3	369.1	386.7	386.1	293.5	290.0	288.6	29
56.6	56.2	56.3	155.9	153.7	154.3	65.5	65.1	65.0	184.9	200.1	198.6	155.4	151.1	150.7	30
57.1	56.4	56.3	187.4	186.4	188.2	42.4	42.4	43.0	174.9	175.2	176.9	125.3	119.9	119.6	31
6.4	5.9	5.9	24.7	25.4	25.3	5.0	5.0	5.0	20.1	20.2	20.7	17.7	19.4	19.0	32
5.0	4.9	5.0	18.0	18.1	18.2	3.2	3.2	3.2	15.2	15.5	15.2	10.7	10.6	10.6	33
6.0	5.7	5.8	24.0	24.3	24.4	4.8	5.0	5.0	17.1	17.4	17.7	19.3	19.0	18.9	34
2.0	2.0	2.0	8.3	8.0	8.0	1.9	2.0	2.1	6.9	7.0	7.3	5.4	5.4	5.3	35
5.8	5.5	5.7	26.3	26.1	26.1	3.2	3.1	3.1	17.8	17.3	17.4	16.9	17.9	17.5	36
13.1	13.3	13.6	72.3	70.8	71.9	17.8	17.8	17.8	66.5	64.8	65.5	55.8	55.8	55.3	37
13.1	13.3	13.6	75.0	73.4	74.6	18.0	18.0	18.0	65.6	64.1	64.5	52.4	52.5	52.0	38
41.0	42.1	42.2	177.1	181.9	184.2	39.7	39.4	40.0	125.5	127.3	128.9	192.3	207.9	195.9	39
6.8	7.0	7.0	24.4	25.2	25.6	4.9	5.1	5.1	16.3	16.2	16.6	38.1	38.9	38.9	40
8.0	8.2	8.2	28.9	29.6	30.0	11.0	10.9	11.1	20.4	21.0	20.8	41.3	46.7	44.2	41
8.9	9.0	9.0	39.1	40.8	40.7	8.1	8.1	8.1	30.1	30.3	30.2	25.8	27.5	27.3	42
12.1	12.3	12.1	55.5	55.7	56.7	9.0	9.1	9.4	47.0	47.9	48.0	57.8	58.2	57.9	43
1.7	1.6	1.6	7.2	7.2	7.7	1.2	1.2	1.2	5.9	5.4	5.7	5.4	5.8	5.2	44
4.5	4.2	4.2	13.3	13.2	13.3	2.2	2.2	2.3	9.8	10.2	10.5	6.9	6.7	7.2	45
71.4	72.3	72.6	316.2	318.7	321.3	69.3	65.2	65.9	237.2	237.2	235.4	267.7	283.5	279.2	46
5.5	5.4	5.5	28.4	29.3	29.6	8.7	8.4	8.5	22.7	22.7	22.8	25.6	27.9	28.2	47
6.7	7.4	7.5	36.5	37.8	37.9	6.8	6.9	6.9	24.8	25.5	25.5	39.2	39.9	42.1	48
21.2	20.9	21.1	83.8	85.1	85.6	18.9	18.2	18.3	59.5	60.4	60.6	63.6	62.4	62.9	49
15.9	16.5	16.6	67.2	68.5	70.2	19.7	19.4	19.7	53.9	53.9	54.6	47.0	48.7	47.7	50
290.3	289.7	291.8	1,077.4	1,094.4	1,104.1	259.2	259.8	263.6	773.7	779.3	784.9	795.1	846.9	833.9	51
5.9	6.1	6.2	19.7	19.4	19.5	3.1	3.2	3.2	11.5	11.6	11.9	9.8	10.5	9.5	52
5.6	5.8	5.7	32.8	33.9	33.8	9.2	9.7	9.8	25.9	27.6	27.6	68.0	69.3	68.5	53
10.0	9.8	10.0	26.2	27.2	27.1	4.6	4.7	4.8	19.7	20.2	20.4	16.9	18.5	17.7	54
5.8	6.3	6.3	25.0	25.3	25.3	4.8	4.9	4.9	16.4	16.9	16.9	21.9	22.1	21.1	55
75.2	74.8	75.6	288.2	288.0	291.3	86.7	84.7	86.2	190.1	192.4	192.6	140.3	145.7	141.8	56
9.6	9.7	9.8	32.1	33.5	33.6	6.0	6.2	6.2	19.5	20.4	20.5	22.2	27.0	25.3	57
5.7	7.0	7.2	11.2	10.7	10.8	4.1	4.3	4.5	9.1	9.3	9.3	15.7	16.2	16.2	58
80.0	79.4	78.1	233.1	241.2	244.0	61.6	62.2	63.0	193.6	197.6	199.6	119.3	129.9	127.7	59
4.3	4.3	4.3	20.6	21.7	21.8	3.5	3.5	3.5	13.9	12.8	12.6	14.4	16.2	15.2	60
14.0	14.3	14.4	78.3	79.8	80.1	22.0	21.7	22.1	53.8	54.1	54.2	85.7	87.0	85.6	61
2.9	2.8	2.8	12.6	12.7	12.7	3.3	3.4	3.4	11.0	11.8	11.0	10.0	10.4	11.1	62
2.3	2.1	2.1	10.9	11.1	11.1	1.9	2.0	2.0	7.0	7.1	7.2	10.2	10.7	10.1	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNF 1976P	JUNE 1975	MAY 1976	JUNF 1976P
1 UTAH	441.5	460.4	465.7	13.0	13.0	13.6	25.0	26.2	28.9	66.8	67.4	69.3
2 Salt Lake City—Ogden	319.4	333.2	335.2	5.9	6.2	6.3	17.6	18.2	19.9	45.2	46.1	47.3
3 VERMONT	158.9	160.0	162.3	.8	.7	.7	7.3	7.2	8.2	38.9	39.7	40.2
4 Burlington ¹⁷	40.9	42.8	42.8	-	-	-	-	-	-	8.9	9.5	9.7
5 Springfield ¹⁷	12.8	11.7	11.8	-	-	-	-	-	-	5.8	5.0	5.1
6 VIRGINIA	1,761.3	1,789.5	1,803.7	20.3	20.5	20.6	105.8	103.6	105.8	363.4	373.9	377.2
7 Bristol	22.1	23.6	23.6	(1)	(1)	(1)	.9	.9	1.0	7.7	8.4	8.5
8 Lynchburg	58.0	60.1	60.3	(1)	(1)	(1)	3.0	3.1	3.2	24.4	25.5	25.6
9 Newport News—Hampton	127.6	130.6	132.5	(1)	(1)	(1)	6.4	5.9	6.1	30.4	31.4	31.9
10 Norfolk—Virginia Beach—Portsmouth	242.6	243.7	246.5	(1)	(1)	(1)	14.6	14.6	15.0	25.8	25.0	25.2
11 Northern Virginia ¹⁸	343.2	346.7	349.9	.3	.3	.3	22.6	23.1	24.0	12.9	11.2	11.3
12 Richmond	271.9	273.5	275.2	.4	.4	.4	16.1	14.4	14.5	48.3	50.5	50.9
13 Roanoke	93.6	94.8	95.2	.2	.2	.2	5.8	5.7	5.7	20.8	21.3	21.5
14 WASHINGTON	1,231.1	1,235.4	1,246.5	2.1	2.0	2.0	58.7	56.6	55.0	243.5	242.1	245.9
15 Seattle—Everett	578.5	576.7	581.5	(1)	(1)	(1)	25.0	24.3	24.1	124.6	117.2	117.8
16 Spokane	102.9	104.9	106.1	(1)	(1)	(1)	5.8	5.6	6.3	13.3	14.0	14.4
17 Tacoma	115.6	118.8	118.2	(1)	(1)	(1)	5.0	5.1	5.2	27.0	20.0	19.8
18 WEST VIRGINIA	562.5	582.4	571.2	62.4	63.5	63.6	26.7	28.1	27.7	118.2	121.0	121.3
19 Charleston	100.4	103.4	101.3	5.9	6.1	6.0	6.0	5.9	5.7	18.5	19.0	19.8
20 Huntington—Ashland	93.4	95.0	94.4	.7	.7	.7	4.5	4.1	4.2	27.6	28.3	29.3
21 Parkersburg—Marietta	48.7	50.3	50.1	.4	.4	.4	2.6	2.4	2.1	15.3	15.5	16.0
22 Wheeling	61.2	61.7	61.3	6.9	6.9	6.9	1.9	1.9	2.0	13.7	13.5	13.8
23 WISCONSIN	1,679.7	1,697.0	1,720.8	2.7	2.5	2.7	61.3	56.7	58.0	498.3	500.7	510.2
24 Appleton—Oshkosh	104.9	107.0	107.5	(1)	(1)	(1)	4.5	4.4	4.7	33.8	40.7	41.4
25 Green Bay	66.3	67.5	68.8	(1)	(1)	(1)	3.3	3.1	3.4	19.3	19.3	19.7
26 Kenosha	42.4	41.4	41.6	(1)	(1)	(1)	1.1	.8	.8	19.0	17.9	18.0
27 La Crosse	34.0	35.2	35.5	(1)	(1)	(1)	1.1	1.1	1.2	8.7	8.8	9.0
28 Madison	136.2	142.3	141.3	(1)	(1)	(1)	5.9	5.5	6.0	15.6	16.1	16.2
29 Milwaukee	595.7	596.8	601.7	(1)	(1)	(1)	18.6	18.0	17.1	195.1	196.2	198.6
30 Racine	62.6	62.4	63.0	(1)	(1)	(1)	1.7	1.5	1.5	26.8	26.5	26.8
31 WYOMING	153.0	155.5	164.3	18.7	19.4	20.9	16.1	14.8	16.4	8.5	8.1	8.4
32 Casper	25.7	27.1	27.7	4.7	4.6	5.1	2.0	2.0	2.1	1.6	1.5	1.5
33 Cheyenne	23.8	24.8	24.9	(1)	(1)	(1)	2.2	2.3	2.3	1.8	1.8	1.8

¹ Combined with services.

² Combined with construction.

³ Federal employment in the Maryland and Virginia sectors of the Washington SMSA is no longer included in data for the District of Columbia.

⁴ Based on 1972 Standard Industrial Classification.

⁵ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁶ Data do not include federal employment in the Maryland sector of the Washington, D.C. Standard Metropolitan Statistical Area.

⁷ Initial publication in this table.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁹ Subarea of New York—Northeastern New Jersey.

¹⁰ Subarea of Rochester Standard Metropolitan Statistical Area.

¹¹ Area included in New York and Nassau—Suffolk combined SMSA's.

¹² Subarea of New York Standard Metropolitan Statistical Area.

¹³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹⁴ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area:

Philadelphia County.

¹⁵ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁶ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁷ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.

¹⁸ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p= preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	
26.9	28.0	28.6	104.2	110.0	111.6	20.3	21.3	21.6	76.1	80.1	82.2	109.1	114.5	109.7	1
21.8	22.6	23.0	77.3	81.3	82.5	17.0	17.8	17.6	53.3	56.6	57.5	81.3	84.4	81.1	2
8.1	7.7	7.7	33.2	33.8	34.3	6.7	6.7	6.8	33.8	33.5	34.5	30.4	30.9	30.2	3
2.1	2.0	2.0	8.5	9.1	9.1	-	-	-	8.7	9.1	9.1	-	-	-	4
.7	.7	.7	2.0	1.9	1.9	-	-	-	2.0	1.9	1.9	-	-	-	5
103.4	102.6	103.6	359.0	365.8	367.3	88.3	88.0	88.7	295.9	305.1	306.3	425.2	430.0	434.2	6
.9	.9	.9	4.8	4.9	4.9	1.0	1.1	1.2	2.9	3.1	3.0	3.9	4.3	4.1	7
2.5	2.6	2.6	9.6	10.0	10.1	2.8	2.8	2.8	7.9	8.2	8.1	7.8	7.9	7.9	8
4.5	4.3	4.4	23.1	23.4	23.7	4.1	4.0	4.1	22.5	25.1	25.7	36.6	36.5	36.6	9
17.0	16.7	16.9	57.7	58.6	59.9	12.7	12.4	12.4	41.5	42.3	42.6	73.3	74.1	74.5	10
25.9	25.0	25.5	79.3	81.2	81.4	21.9	22.4	23.0	75.6	77.1	78.0	104.7	106.4	106.4	11
17.2	17.2	17.2	60.8	62.2	62.3	22.8	22.5	22.6	47.0	47.2	47.9	59.3	59.1	59.4	12
10.3	9.9	10.0	21.3	21.6	21.9	5.4	5.7	5.7	16.5	16.6	16.5	13.3	13.8	13.7	13
71.3	72.8	74.1	282.9	289.0	292.4	66.5	67.6	68.6	222.4	227.5	230.4	283.7	277.8	278.1	14
39.5	40.3	41.1	134.7	138.1	139.8	39.7	40.1	40.6	105.2	108.8	110.6	109.8	107.9	107.5	15
7.4	7.3	7.4	28.2	28.3	28.7	6.1	6.3	6.3	22.4	23.6	23.4	19.7	19.8	19.6	16
5.6	5.4	5.4	27.1	28.8	29.2	5.7	5.6	5.6	23.0	24.7	24.3	29.2	29.2	28.7	17
39.5	38.8	39.5	108.8	109.3	109.3	18.1	18.5	18.7	79.9	82.2	82.4	108.9	121.1	108.8	18
8.8	8.8	9.0	22.5	22.6	22.6	4.2	4.2	4.2	16.1	16.5	16.6	18.2	20.2	19.3	19
9.7	9.3	9.5	18.7	18.9	18.9	3.3	3.3	3.3	12.8	13.3	13.4	16.1	17.2	16.9	20
2.3	2.3	2.3	10.9	11.1	11.1	1.6	1.6	1.6	7.1	7.6	7.6	8.6	9.5	9.0	21
3.7	3.5	3.6	13.4	13.3	13.5	2.4	2.4	2.4	11.6	11.6	11.6	7.5	8.4	7.5	22
81.9	81.5	82.9	378.9	383.5	388.6	73.8	75.4	76.5	297.2	303.2	309.2	285.7	293.5	292.5	23
4.0	3.9	4.0	21.0	21.7	21.5	4.1	4.2	4.2	16.6	17.0	17.2	14.9	15.2	14.5	24
4.7	4.5	4.6	15.9	16.4	16.6	2.1	2.1	2.2	11.3	12.3	12.3	9.6	9.8	10.0	25
1.4	1.3	1.3	7.5	7.7	7.8	.8	.9	.9	6.7	6.8	6.7	6.0	5.9	5.2	26
1.9	2.0	2.1	9.0	9.6	9.4	.9	1.0	.9	7.2	7.4	7.4	5.2	5.3	5.5	27
5.2	5.1	5.1	28.8	30.2	30.0	8.9	9.3	9.5	23.4	24.6	24.9	48.4	51.5	49.6	28
30.1	28.8	29.7	130.8	129.8	130.7	32.3	33.1	33.3	112.7	114.4	115.0	76.1	76.6	77.2	29
2.3	2.2	2.2	11.8	12.2	12.3	1.7	1.7	1.7	9.6	9.7	9.9	8.7	8.5	8.7	30
12.5	13.3	13.5	32.7	33.5	35.7	4.6	5.1	5.2	24.6	22.8	26.7	35.3	38.5	37.5	31
1.8	2.0	2.0	6.6	7.4	7.5	1.0	1.1	1.1	4.0	4.2	4.5	4.0	4.3	3.9	32
3.0	3.4	3.4	4.5	5.0	5.0	1.4	1.3	1.3	4.0	4.1	4.2	6.9	6.9	6.9	33

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division, 1955 to date

Year and month	Average													Hourly earnings excl. overtime
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Hourly earnings	
	Total private ¹			Mining			Contract construction			Manufacturing				
1955.....	\$67.72	39.6	\$1.71	\$89.54	40.7	\$2.20	\$90.90	37.1	\$2.45	\$75.70	40.7	\$1.86	\$1.79	
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95	1.89	
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05	1.99	
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11	2.05	
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19	2.12	
1960.....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26	2.20	
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32	2.25	
1962.....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39	2.31	
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46	2.37	
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53	2.44	
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61	2.51	
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72	2.59	
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83	2.72	
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.49	37.3	4.41	122.51	40.7	3.01	2.88	
1969.....	114.61	37.7	3.04	155.23	43.0	3.61	181.54	37.9	4.79	129.51	40.6	3.19	3.06	
1970.....	119.46	37.1	3.22	164.40	42.7	3.85	195.45	37.3	5.24	133.73	39.8	3.36	3.24	
1971.....	127.28	37.0	3.44	172.14	42.4	4.06	211.67	37.2	5.69	142.44	39.9	3.57	3.44	
1972.....	136.16	37.1	3.67	187.43	42.5	4.41	222.51	36.9	6.03	154.69	40.6	3.81	3.66	
1973.....	145.43	37.1	3.92	201.03	42.5	4.73	235.69	37.0	6.37	166.06	40.7	4.08	3.89	
1974.....	154.45	36.6	4.22	220.90	42.4	5.21	249.08	36.9	6.75	176.40	40.0	4.41	4.24	
1975.....	163.89	36.1	4.54	249.57	42.3	5.90	265.35	36.6	7.25	189.51	39.4	4.81	4.66	
July.....	164.89	36.4	4.53	248.72	42.3	5.88	270.05	37.3	7.24	188.55	39.2	4.81	4.65	
Aug.....	166.90	36.6	4.56	248.64	42.0	5.92	274.81	37.8	7.27	191.35	39.7	4.82	4.65	
Sept.....	168.43	36.3	4.64	255.25	42.4	6.02	278.99	37.6	7.42	196.58	40.2	4.89	4.70	
Oct.....	168.69	36.2	4.66	259.46	43.1	6.02	278.25	37.5	7.42	195.51	39.9	4.90	4.72	
Nov.....	169.42	36.2	4.68	262.73	43.0	6.11	270.44	36.3	7.45	197.69	40.1	4.93	4.76	
Dec.....	170.82	36.5	4.68	264.69	42.9	6.17	275.62	36.7	7.51	204.00	40.8	5.00	4.82	
1976:														
Jan.....	169.92	36.0	4.72	266.48	42.5	6.27	270.00	36.0	7.50	200.30	39.9	5.02	4.85	
Feb.....	170.64	36.0	4.74	268.58	42.7	6.29	272.66	36.5	7.47	201.10	39.9	5.04	4.86	
Mar.....	170.53	35.9	4.75	265.44	42.2	6.29	269.18	35.7	7.54	202.80	40.0	5.07	4.88	
Apr.....	171.24	35.9	4.77	267.76	42.3	6.33	278.25	37.1	7.50	198.74	39.2	5.07	4.92	
May.....	174.00	36.1	4.82	269.88	42.5	6.35	283.09	37.2	7.61	205.82	40.2	5.12	4.93	
June ^P	176.18	36.4	4.84	269.86	42.7	6.32	288.42	37.9	7.61	208.06	40.4	5.15	4.96	
July ^P	177.51	36.6	4.85	270.94	42.6	6.36	289.16	37.7	7.67	206.28	39.9	5.17	4.98	
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services				
1955.....	-	-	-	\$55.16	39.4	\$1.40	\$63.92	37.6	\$1.70	-	-	-	-	
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-	-	
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-	-	
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-	-	
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-	-	
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-	-	
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-	-	
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-	-	
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-	-	
1964.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94	-	
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05	-	
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17	-	
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29	-	
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	83.97	34.7	2.42	-	
1969.....	148.15	40.7	3.64	90.78	35.6	2.55	108.70	37.1	2.93	90.57	34.7	2.61	-	
1970.....	155.93	40.5	3.85	95.66	35.3	2.71	113.34	36.8	3.08	96.66	34.4	2.81	-	
1971.....	169.24	40.2	4.21	100.39	35.1	2.86	120.66	36.9	3.27	103.28	34.2	3.02	-	
1972.....	187.92	40.5	4.64	105.65	35.1	3.01	126.88	37.1	3.42	110.14	34.1	3.23	-	
1973.....	204.62	40.6	5.04	111.04	34.7	3.20	132.10	36.9	3.58	117.64	34.0	3.46	-	
1974.....	218.29	40.2	5.43	118.33	34.1	3.47	140.19	36.7	3.82	127.46	33.9	3.76	-	
1975.....	234.43	39.6	5.92	126.75	33.8	3.75	150.75	36.5	4.13	137.23	33.8	4.06	-	
July.....	235.01	39.9	5.89	128.69	34.5	3.73	150.33	36.4	4.13	138.23	34.3	4.03	-	
Aug.....	241.40	39.9	6.05	130.10	34.6	3.76	151.06	36.4	4.15	138.23	34.3	4.03	-	
Sept.....	243.79	39.9	6.11	128.06	33.7	3.80	150.59	36.2	4.16	139.18	33.7	4.13	-	
Oct.....	244.99	39.9	6.14	128.73	33.7	3.82	151.79	36.4	4.17	139.78	33.6	4.16	-	
Nov.....	245.12	39.6	6.19	128.69	33.6	3.83	155.18	36.6	4.24	142.21	33.7	4.22	-	
Dec.....	246.58	39.9	6.18	130.30	34.2	3.81	153.97	36.4	4.23	142.13	33.6	4.23	-	
1976:														
Jan.....	244.84	39.3	6.23	129.93	33.4	3.89	155.49	36.5	4.26	142.71	33.5	4.26	-	
Feb.....	248.46	39.5	6.29	130.26	33.4	3.90	158.91	36.7	4.33	143.72	33.5	4.29	-	
Mar.....	248.46	39.5	6.29	130.20	33.3	3.91	156.88	36.4	4.31	142.42	33.3	4.28	-	
Apr.....	251.46	39.6	6.35	131.71	33.6	3.92	158.84	36.6	4.34	143.19	33.3	4.30	-	
May.....	252.41	39.5	6.39	132.33	33.5	3.95	160.01	36.7	4.36	144.96	33.4	4.34	-	
June ^P	255.67	39.7	6.44	133.91	33.9	3.95	158.41	36.5	4.34	145.15	33.6	4.32	-	
July ^P	258.24	40.1	6.44	137.66	34.5	3.99	161.48	36.7	4.40	146.54	34.0	4.31	-	

¹For coverage of series, see footnote 1, table B-2.

²Prior to January 1956, data were based on the application of adjustment factors to gross average

³p = preliminary.

⁴Data include Alaska and Hawaii beginning 1959.

hourly earnings. (See Explanatory Note.)

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p	June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p
-	TOTAL PRIVATE	\$163.71	\$164.89	\$174.00	\$176.18	\$177.51	\$4.51	\$4.53	\$4.82	\$4.84	\$4.85
-	MINING	250.65	248.72	269.88	269.86	270.94	5.87	5.88	6.35	6.32	6.36
10	METAL MINING	249.45	245.01	279.36	287.00	-	6.04	6.11	6.62	6.69	-
101	Iron ores	272.50	260.42	295.40	303.30	-	6.25	6.26	7.00	7.07	-
102	Copper ores	246.98	247.04	282.88	294.63	-	6.19	6.40	6.80	6.90	-
11,12	COAL MINING	290.90	282.82	309.28	304.58	-	7.13	(*)	7.81	7.75	-
12	Bituminous coal and lignite mining	291.01	282.89	309.68	305.75	-	7.15	(*)	7.84	7.78	-
13	OIL AND GAS EXTRACTION	234.08	235.49	250.74	250.54	-	5.32	5.34	5.66	5.63	-
131,2	Crude petroleum and natural gas fields	245.83	246.85	265.93	262.51	-	6.04	6.08	6.55	6.53	-
138	Oil and gas field services	227.17	229.12	242.03	244.30	-	4.96	4.97	5.25	5.22	-
14	NONMETALLIC MINERALS, EXCEPT										
	FUELS	217.41	222.06	235.05	239.59	-	4.93	4.99	5.33	5.36	-
142	Crushed and broken stone	215.55	219.23	226.75	235.04	-	4.91	4.96	5.13	5.20	-
-	CONTRACT CONSTRUCTION	262.07	270.05	283.09	288.42	289.16	7.18	7.24	7.61	7.61	7.67
15	GENERAL BUILDING CONTRACTORS	249.88	257.71	271.18	274.91	-	6.98	7.08	7.45	7.45	-
16	HEAVY CONSTRUCTION CONTRACTORS	258.69	275.22	278.78	293.64	-	6.65	6.68	7.04	7.11	-
161	Highway and street construction	251.55	274.26	269.74	291.90	-	6.45	6.53	6.71	6.82	-
162	Heavy construction, nec.	265.00	275.53	286.21	295.54	-	6.83	6.82	7.32	7.37	-
17	SPECIAL TRADE CONTRACTORS	270.61	275.04	292.07	294.09	-	7.58	7.64	7.98	7.97	-
171	Plumbing, heating, air conditioning	288.70	291.00	309.04	308.66	-	7.74	7.76	8.09	8.08	-
172	Painting, paper hanging, decorating	237.71	243.25	260.51	256.20	-	6.89	6.99	7.38	7.32	-
173	Electrical work	306.98	311.63	336.54	340.36	-	8.23	8.31	8.81	8.91	-
174	Masonry, stonework, and plastering	250.80	255.18	264.42	271.07	-	7.60	7.64	7.80	7.88	-
176	Roofing and sheetmetal work	217.96	233.02	234.65	247.27	-	6.79	7.04	7.22	7.23	-
	MANUFACTURING	188.81	188.55	205.82	208.06	206.28	4.78	4.81	5.12	5.15	5.17
19,24,25,32,39	DURABLE GOODS	203.49	202.64	224.54	226.32	222.46	5.10	5.13	5.49	5.52	5.52
20,23,26-31	NONDURABLE GOODS	168.05	169.60	180.85	182.49	183.92	4.32	4.36	4.59	4.62	4.68
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	215.59	207.23	229.55	231.96	230.77	5.17	5.22	5.64	5.63	5.67
192	Ammunition, except for small arms	216.07	201.78	231.64	234.03	(*)	5.27	5.31	5.82	5.75	(*)
1925	Complete guided missiles	246.03	223.82	252.97	257.92	-	5.83	5.89	6.34	6.23	-
1929	Ammunition, exc. for small arms, nec.	175.67	172.21	192.15	190.79	-	4.47	4.52	4.84	4.83	-
24	LUMBER AND WOOD PRODUCTS	169.15	168.09	186.24	193.33	185.10	4.25	4.31	4.61	4.75	4.71
242	Sawmills and planing mills	163.99	161.41	184.54	192.87	(*)	4.11	4.16	4.49	4.67	(*)
2421	Sawmills and planing mills, general	169.58	167.27	192.40	201.54	-	4.25	4.30	4.67	4.88	-
243	Millwork, plywood and related products	175.24	172.43	192.56	195.94	189.64	4.37	4.41	4.79	4.85	4.85
2431	Millwork	171.97	169.81	182.75	184.21	-	4.31	4.31	4.65	4.64	-
2432	Veneer and plywood	178.23	172.60	206.59	214.45	-	4.39	4.46	4.99	5.18	-
244	Wooden containers	125.95	124.53	142.09	142.92	139.62	3.28	3.26	3.57	3.60	3.58
2441,2	Wooden boxes, shooks, and crates	123.52	122.88	137.31	138.90	-	3.20	3.20	3.45	3.49	-
249	Miscellaneous wood products	148.83	147.94	158.36	159.17	158.00	3.63	3.68	3.91	3.93	3.95
25	FURNITURE AND FIXTURES	141.36	140.25	151.70	153.66	152.08	3.72	3.74	3.93	3.95	3.95
251	Household furniture	133.08	131.69	142.85	143.59	141.73	3.53	3.54	3.72	3.72	3.72
2511	Wood household furniture	123.98	122.39	136.42	137.51	-	3.28	3.29	3.48	3.49	-
2512	Upholstered household furniture	142.50	140.60	147.63	148.83	-	3.80	3.80	3.99	3.99	-
2515	Mattresses and bedsprings	151.58	152.36	159.22	162.54	-	4.01	4.02	4.28	4.30	-
252	Office furniture	161.09	161.38	174.76	182.34	-	4.12	4.17	4.38	4.48	-
254	Partitions and fixtures	177.00	174.19	188.02	191.44	-	4.55	4.56	4.76	4.81	-
253,9	Other furniture and fixtures	155.94	152.74	168.58	170.56	(*)	4.04	4.03	4.39	4.43	(*)
32	STONE, CLAY, AND GLASS PRODUCTS	198.21	201.14	218.29	220.59	221.61	4.87	4.93	5.26	5.29	5.34
321	Flat glass	242.95	240.58	290.25	302.57	-	5.94	6.06	6.75	6.83	-
322	Glass and glassware, pressed or blown	201.19	204.53	218.69	219.50	(*)	4.98	5.05	5.36	5.38	(*)
3221	Glass containers	210.33	215.89	228.80	228.11	-	5.13	5.24	5.54	5.55	-
3229	Pressed and blown glass, nec.	187.70	187.15	204.51	206.85	-	4.74	4.75	5.10	5.12	-
324	Cement, hydraulic	262.29	271.93	304.61	307.86	(*)	6.26	6.49	7.27	7.33	(*)
325	Structural clay products	158.80	161.99	173.46	173.87	(*)	3.98	3.99	4.20	4.21	(*)
3251	Brick and structural clay tile	146.52	148.73	161.70	161.28	-	3.60	3.61	3.85	3.84	-
326	Pottery and related products	162.05	160.27	175.56	175.50	-	4.22	4.24	4.49	4.50	-
327	Concrete, gypsum, and plaster products	204.40	211.23	225.65	230.55	(*)	4.89	4.97	5.26	5.30	(*)
328,9	Other stone and nonmetallic mineral products	190.00	189.21	210.33	211.56	208.35	4.75	4.79	5.13	5.16	5.17
3291	Abrasive products	175.85	173.63	207.60	204.34	-	4.74	4.77	5.19	5.16	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
—	TOTAL PRIVATE	36.3	36.4	36.1	36.4	36.6	—	—	—	—	—
—	MINING	42.7	42.3	42.5	42.7	42.6	—	—	—	—	—
10	METAL MINING	41.3	40.1	42.2	42.9	—	—	—	—	—	—
101	Iron ores	43.6	41.6	42.2	42.9	—	—	—	—	—	—
102	Copper ores	39.9	38.6	41.6	42.7	—	—	—	—	—	—
11,12	COAL MINING	40.8	(*)	39.6	39.3	—	—	—	—	—	—
12	Bituminous coal and lignite mining	40.7	(*)	39.5	39.3	—	—	—	—	—	—
13	OIL AND GAS EXTRACTION	44.0	44.1	44.3	44.5	—	—	—	—	—	—
131,2	Crude petroleum and natural gas fields	40.7	40.6	40.6	40.2	—	—	—	—	—	—
138	Oil and gas field services	45.8	46.1	46.1	46.8	—	—	—	—	—	—
14	NONMETALLIC MINERALS, EXCEPT FUELS	44.1	44.5	44.1	44.7	—	—	—	—	—	—
142	Crushed and broken stone	43.9	44.2	44.2	45.2	—	—	—	—	—	—
—	CONTRACT CONSTRUCTION	36.5	37.3	37.2	37.9	37.7	—	—	—	—	—
15	GENERAL BUILDING CONTRACTORS	35.8	36.4	36.4	36.9	—	—	—	—	—	—
16	HEAVY CONSTRUCTION CONTRACTORS	38.9	41.2	39.6	41.3	—	—	—	—	—	—
161	Highway and street construction	39.0	42.0	40.2	42.8	—	—	—	—	—	—
162	Heavy construction, nec	38.8	40.4	39.1	40.1	—	—	—	—	—	—
17	SPECIAL TRADE CONTRACTORS	35.7	36.0	36.6	36.9	—	—	—	—	—	—
171	Plumbing, heating, air conditioning	37.3	37.5	38.2	38.2	—	—	—	—	—	—
172	Painting, paper hanging, decorating	34.5	34.8	35.3	35.0	—	—	—	—	—	—
173	Electrical work	37.3	37.5	38.2	38.2	—	—	—	—	—	—
174	Masonry, stonework, and plastering	33.0	33.4	33.9	34.4	—	—	—	—	—	—
176	Roofing and sheet metal work	32.1	33.1	32.5	34.2	—	—	—	—	—	—
—	MANUFACTURING	39.5	39.2	40.2	40.4	39.9	2.5	2.5	3.1	3.2	3.0
19,24,25,32,39	DURABLE GOODS	39.9	39.5	40.9	41.0	40.3	2.4	2.4	3.3	3.3	3.1
20-23,26-31	NONDURABLE GOODS	38.9	38.9	39.4	39.5	39.3	2.7	2.8	3.0	3.0	3.0
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	41.7	39.7	40.7	41.2	40.7	2.7	2.2	2.2	2.7	—
192	Ammunition, except for small arms	41.0	38.0	39.8	40.7	(*)	2.5	1.5	1.6	1.9	—
1925	Complete guided missiles	42.2	38.0	39.9	41.4	—	—	—	—	—	—
1929	Ammunition, exc. for small arms, nec.	39.3	38.1	39.7	39.5	—	—	—	—	—	—
24	LUMBER AND WOOD PRODUCTS	39.8	39.0	40.4	40.7	39.3	3.2	2.0	3.6	3.6	—
242	Sawmills and planing mills	39.9	38.8	41.1	41.3	(*)	3.6	3.4	4.2	4.2	—
2421	Sawmills and planing mills, general	39.9	38.9	41.2	41.3	—	—	—	—	—	—
243	Millwork, plywood and related products	40.1	39.1	40.2	40.4	39.1	2.9	2.7	3.3	3.1	—
2431	Millwork	39.9	39.4	39.3	39.7	—	—	—	—	—	—
2432	Veneer and plywood	40.6	38.7	41.4	41.4	—	—	—	—	—	—
244	Wooden containers	38.4	38.2	39.8	39.7	39.0	2.0	2.1	2.8	2.9	—
2441,2	Wooden boxes, shooks, and crates	38.6	38.4	39.8	39.8	—	—	—	—	—	—
249	Miscellaneous wood products	41.0	40.2	40.5	40.5	40.0	3.4	3.0	3.6	3.4	—
25	FURNITURE AND FIXTURES	38.0	37.5	38.6	38.9	38.5	1.6	1.4	2.0	2.1	—
251	Household furniture	37.7	37.2	38.4	38.6	38.1	1.6	1.4	2.0	2.0	—
2511	Wood household furniture	37.8	37.2	39.2	39.4	—	1.7	1.4	2.3	2.3	—
2512	Upholstered household furniture	37.5	37.0	37.0	37.3	—	—	—	—	—	—
2515	Mattresses and bedsprings	37.8	37.9	37.2	37.8	—	—	—	—	—	—
252	Office furniture	39.1	38.7	39.9	40.7	—	1.4	1.4	1.9	2.8	—
254	Partitions and fixtures	38.9	38.2	39.5	39.8	—	1.5	1.8	2.4	2.9	—
253,9	Other furniture and fixtures	38.6	37.9	38.4	38.5	(*)	1.4	1.4	1.5	1.7	—
32	STONE, CLAY, AND GLASS PRODUCTS	40.7	40.8	41.5	41.7	41.5	3.7	3.8	4.2	4.3	—
321	Flat glass	40.9	39.7	43.0	44.3	—	2.8	2.9	6.1	5.6	—
322	Glass and glassware, pressed or blown	40.4	40.5	40.8	40.8	(*)	4.2	4.1	4.2	4.1	—
3221	Glass containers	41.0	41.2	41.3	41.1	—	—	—	—	—	—
3229	Pressed and blown glass, nec	39.6	39.4	40.1	40.4	—	3.2	2.7	3.0	3.1	—
324	Cement, hydraulic	41.9	41.9	41.9	42.0	(*)	2.7	3.1	3.1	3.1	—
325	Structural clay products	39.9	40.6	41.3	41.3	(*)	3.1	3.3	3.7	3.9	—
3251	Brick and structural clay tile	40.7	41.2	42.0	42.0	—	—	—	—	—	—
326	Pottery and related products	38.4	47.8	39.1	39.0	—	1.5	1.9	2.0	2.0	—
327	Concrete, gypsum and plaster products	41.8	42.5	42.9	43.5	(*)	4.9	5.5	5.8	6.0	—
328,9	Other stone and nonmetallic mineral products	40.0	39.5	41.0	41.0	40.3	2.7	2.5	3.3	3.2	—
3291	Abrasive products	37.1	36.4	40.0	39.6	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry—Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	
	DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	\$241.59	\$241.35	\$275.26	\$280.28	\$278.92	\$6.07	\$6.11	\$6.73	\$6.77	\$6.77	
331	Blast furnace and basic steel products	263.06	264.71	304.36	312.23	(*)	6.78	6.77	7.59	7.56	(*)	
3312	Blast furnaces and steel mills	267.11	270.18	310.42	318.84	—	6.92	6.91	7.78	7.72	—	
332	Iron and steel foundries	222.09	219.05	250.31	257.92	(*)	5.43	5.49	6.12	6.20	(*)	
3321	Gray iron foundries	224.26	225.36	262.70	271.57	—	5.51	5.62	6.33	6.42	—	
3322	Malleable iron foundries	231.82	220.80	255.58	263.61	—	5.81	5.75	6.52	6.64	—	
3323	Steel foundries	214.85	204.40	216.94	221.13	—	5.14	5.11	5.41	5.46	—	
333,4	Nonferrous metals	242.38	243.01	273.06	271.83	(*)	5.97	6.06	6.44	6.55	(*)	
3334	Primary aluminum	270.82	275.54	305.42	304.30	—	6.72	6.77	7.07	7.28	—	
335	Nonferrous rolling and drawing	221.95	225.07	251.01	255.67	253.44	5.44	5.53	5.92	6.03	6.02	
3351	Copper rolling and drawing	221.13	223.56	255.58	258.39	—	5.46	5.52	5.93	5.94	—	
3352	Aluminum rolling and drawing	227.37	235.01	259.06	267.75	—	5.67	5.76	6.11	6.30	—	
3357	Nonferrous wire drawing and insulating	222.98	222.77	251.26	253.08	—	5.36	5.46	5.94	6.04	—	
336	Nonferrous foundries	189.82	183.16	211.53	212.22	(*)	4.83	4.82	5.21	5.24	(*)	
3361	Aluminum castings	194.54	184.95	218.41	216.80	—	4.95	4.88	5.34	5.34	—	
3362,9	Other nonferrous castings	183.85	180.98	202.31	205.82	—	4.69	4.75	5.02	5.12	—	
339	Miscellaneous primary metal products	240.98	232.46	263.16	255.42	(*)	5.95	5.93	6.45	6.45	(*)	
3391	Iron and steel forgings	257.07	245.39	281.67	273.03	—	6.27	6.26	6.87	6.86	—	
34	FABRICATED METAL PRODUCTS	200.70	198.07	221.40	223.72	218.16	5.03	5.04	5.40	5.43	5.40	
341	Metal cans	287.76	301.46	314.94	322.73	323.90	6.54	6.64	7.03	7.14	7.15	
342	Cutlery, hand tools, and hardware	184.12	182.12	210.60	209.79	206.96	4.77	4.78	5.20	5.18	5.20	
3421,3,5	Cutlery and hand tools, incl. saws	172.10	169.79	192.96	193.44	—	4.47	4.48	4.80	4.80	—	
3429	Hardware, nec	193.11	190.62	223.04	221.68	—	4.99	4.99	5.48	5.46	—	
343	Plumbing and heating, except electric	180.05	172.28	192.00	190.64	(*)	4.49	4.51	4.80	4.79	(*)	
3431,2	Sanitary ware and plumbers' brass goods	177.24	177.00	192.23	188.94	—	4.51	4.55	4.83	4.82	—	
3433	Heating equipment, except electric	182.78	167.63	191.75	191.83	—	4.48	4.47	4.77	4.76	—	
344	Fabricated structural metal products	200.20	197.90	212.38	213.84	211.87	4.98	5.01	5.27	5.28	5.31	
3441	Fabricated structural steel	217.36	215.48	226.87	230.88	—	5.20	5.23	5.52	5.55	—	
3442	Metal doors, sash, and trim	161.19	158.67	169.03	169.52	—	4.05	4.10	4.29	4.27	—	
3443	Fabricated plate work (boiler shops)	211.20	208.29	228.02	227.45	—	5.28	5.30	5.63	5.63	—	
3444	Sheet metal work	203.18	200.20	218.80	220.49	—	5.17	5.20	5.47	5.54	—	
3446,9	Architectural and misc. metal work	184.86	186.44	199.98	202.78	—	4.68	4.72	4.95	4.97	—	
345	Screw machine products, bolts, etc	184.80	185.09	214.04	217.78	217.15	4.80	4.82	5.17	5.21	5.22	
3451	Screw machine products	180.78	180.50	202.95	207.00	—	4.60	4.64	4.95	5.00	—	
3452	Bolts, nuts, rivets, and washers	188.12	189.62	224.88	228.30	—	4.99	4.99	5.38	5.41	—	
346	Metal stampings	218.59	210.84	257.84	265.59	(*)	5.52	5.42	6.11	6.22	(*)	
347	Metal services, nec	164.30	160.51	177.68	178.97	(*)	4.17	4.18	4.42	4.43	(*)	
348	Miscellaneous fabricated wire products	176.12	171.58	191.50	189.34	(*)	4.47	4.48	4.74	4.71	(*)	
349	Miscellaneous fabricated metal products	196.71	193.83	213.91	214.73	(*)	4.93	4.97	5.23	5.25	(*)	
3494,8	Valves, pipe, and pipe fittings	205.02	202.91	219.22	221.94	—	5.10	5.15	5.36	5.40	—	
35	MACHINERY, EXCEPT ELECTRICAL	215.46	212.67	233.29	235.25	234.19	5.32	5.33	5.69	5.71	5.74	
351	Engines and turbines	238.39	237.61	263.74	264.06	(*)	5.93	5.97	6.48	6.52	(*)	
3511	Steam engines and turbines	223.04	219.18	241.08	237.74	—	5.59	5.62	5.88	5.87	—	
3519	Internal combustion engines, nec	245.43	246.83	273.78	276.21	—	6.09	6.14	6.76	6.82	—	
352	Farm machinery	228.10	223.57	246.04	248.07	—	5.66	5.66	6.06	6.11	—	
353	Construction and related machinery	230.83	224.16	242.00	246.43	(*)	5.63	5.59	5.99	6.04	(*)	
3531,2	Construction and mining machinery	247.86	236.56	255.42	260.80	—	6.09	6.05	6.45	6.52	—	
3533	Oil field machinery	212.85	214.50	229.32	234.30	—	5.02	5.00	5.46	5.50	—	
3535,6	Conveyors, hoists, cranes, monorails	217.98	216.19	230.18	232.52	—	5.24	5.26	5.56	5.63	—	
3537	Industrial trucks and tractors	190.68	184.01	212.65	216.91	—	4.94	4.92	5.37	5.45	—	
354	Metal working machinery	222.36	220.58	243.78	245.78	246.45	5.45	5.46	5.86	5.88	5.91	
3541	Machine tools, metal cutting types	231.57	226.32	244.11	245.27	—	5.54	5.52	5.84	5.91	—	
3544	Special dies, tools, jig and fixtures	235.91	235.99	267.50	269.76	—	5.74	5.77	6.25	6.23	—	
3545	Machine tool accessories	207.25	203.38	218.43	222.50	—	5.13	5.11	5.42	5.44	—	
3542,8	Miscellaneous metal working machinery	200.66	201.45	217.48	218.40	—	5.08	5.10	5.41	5.46	—	
355	Special industry machinery	196.49	194.83	216.48	219.06	216.54	4.90	4.92	5.28	5.33	5.36	
3551	Food products machinery	204.91	202.47	227.26	229.34	—	5.11	5.10	5.57	5.58	—	
3552	Textile machinery	160.19	157.77	180.63	183.64	—	4.15	4.13	4.46	4.49	—	
3555	Printing trades machinery	202.71	198.69	222.35	225.07	—	5.03	5.03	5.41	5.53	—	
356	General industrial machinery	217.34	212.93	229.80	231.74	229.47	5.34	5.35	5.66	5.68	5.68	
3561	Pumps and compressors	219.23	208.69	231.18	233.78	—	5.27	5.27	5.68	5.73	—	
3562	Ball and roller bearings	218.59	221.45	239.90	242.26	—	5.52	5.55	5.88	5.88	—	
3564	Blowers and fans	206.64	199.48	211.70	219.45	—	5.04	5.05	5.24	5.25	—	
3566	Power transmission equipment	219.65	218.24	231.65	231.90	—	5.28	5.31	5.65	5.67	—	
357	Office and computing machines	202.78	203.21	218.09	220.92	(*)	4.97	5.03	5.23	5.26	(*)	
3573	Electronic computing equipment	211.14	213.11	227.52	229.87	—	5.10	5.16	5.43	5.46	—	
358	Service industry machines	184.30	185.19	207.57	205.64	204.40	4.75	4.81	5.10	5.09	5.11	
3585	Refrigeration machinery	183.52	188.07	208.18	205.74	—	4.73	4.81	5.09	5.08	—	
359	Miscellaneous machinery, except electrical	208.08	203.09	231.02	231.99	229.36	5.10	5.09	5.54	5.55	5.54	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers ¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	39.8	39.5	40.9	41.4	41.2	2.5	2.4	3.5	3.7	—
331	Blast furnace and basic steel products	38.8	39.1	40.1	41.3	(*)	1.6	1.6	2.5	2.9	—
3312	Blast furnaces and steel mills	38.6	39.1	39.9	41.3	—	1.5	1.5	2.4	2.9	—
332	Iron and steel foundries	40.9	39.9	40.9	41.6	(*)	3.6	3.6	4.3	4.7	—
3321	Gray iron foundries	40.7	40.1	41.5	42.3	—	3.5	4.1	4.8	5.5	—
3322	Malleable iron foundries	39.9	38.4	39.2	39.7	—	—	—	—	—	—
3323	Steel foundries	41.8	40.0	40.1	40.5	—	3.9	3.2	3.4	3.3	—
333,4	Nonferrous metals	40.6	40.1	42.4	41.5	(*)	2.9	2.8	4.1	3.4	—
3334	Primary aluminum	40.3	40.7	43.2	41.8	—	—	—	—	—	—
335	Nonferrous rolling and drawing	40.8	40.7	42.4	42.4	42.1	3.2	3.4	4.8	5.0	—
3351	Copper rolling and drawing	40.5	40.5	43.1	43.5	—	—	—	—	—	—
3352	Aluminum rolling and drawing	40.1	40.8	42.4	42.5	—	3.2	3.5	5.4	5.3	—
3357	Nonferrous wire drawing and insulating	41.6	40.8	42.3	41.9	—	3.7	3.6	4.4	4.7	—
336	Nonferrous foundries	39.3	38.0	40.6	40.5	(*)	2.2	1.7	3.2	3.5	—
3361	Aluminum castings	39.3	37.9	40.9	40.6	—	—	—	—	—	—
3362,9	Other nonferrous castings	39.2	38.1	40.3	40.2	—	—	—	—	—	—
339	Miscellaneous primary metal products	40.5	39.2	40.8	39.6	(*)	3.5	3.0	4.1	3.2	—
3391	Iron and steel forgings	41.0	39.2	41.0	39.8	—	—	—	—	—	—
34	FABRICATED METAL PRODUCTS	39.9	39.3	41.0	41.2	40.4	2.4	2.3	3.4	3.5	—
341	Metal cans	44.0	45.4	44.8	45.2	45.3	4.2	5.6	4.7	5.0	—
342	Cutlery, hand tools, and hardware	38.6	38.1	40.5	40.5	39.8	1.5	1.4	2.8	3.0	—
3421,3,5	Cutlery and hand tools, incl. saws	38.5	37.9	40.2	40.3	—	—	—	—	—	—
3429	Hardware, nec	38.7	38.2	40.7	40.6	—	—	—	—	—	—
343	Plumbing and heating, except electric	40.1	38.2	40.0	39.8	(*)	2.2	1.8	3.0	2.8	—
3431,2	Sanitary ware and plumbers' brass goods	39.3	38.9	39.8	39.2	—	—	—	—	—	—
3433	Heating equipment, except electric	40.8	37.5	40.2	40.3	—	—	—	—	—	—
344	Fabricated structural metal products	40.2	39.5	40.3	40.5	39.9	2.8	2.5	2.8	2.9	—
3441	Fabricated structural steel	41.8	41.2	41.1	41.6	—	3.8	3.6	3.1	3.5	—
3442	Metal doors, sash, and trim	39.8	38.7	39.4	39.7	—	—	—	—	—	—
3443	Fabricated plate work (boiler shops)	40.0	39.3	40.5	40.4	—	3.2	2.5	2.8	2.8	—
3444	Sheet metal work	39.3	38.5	40.0	39.8	—	—	—	—	—	—
3446,9	Architectural and misc. metal work	39.5	39.5	40.4	40.8	—	—	—	—	—	—
345	Screw machine products, bolts, etc	38.5	38.4	41.4	41.8	41.6	1.6	1.4	3.5	3.8	—
3451	Screw machine products	39.3	38.9	41.0	41.4	—	—	—	—	—	—
3452	Bolts, nuts, rivets, and washers	37.7	38.0	41.8	42.2	—	—	—	—	—	—
346	Metal stampings	39.6	38.9	42.2	42.7	(*)	2.1	2.2	4.7	5.1	—
347	Metal services, nec	39.4	38.4	40.2	40.4	(*)	2.7	2.7	3.3	3.5	—
348	Miscellaneous fabricated wire products	39.4	38.3	40.4	40.2	(*)	1.9	1.8	3.0	3.0	—
349	Miscellaneous fabricated metal products	39.9	39.0	40.9	40.9	(*)	2.6	2.1	3.0	2.9	—
3494,8	Valves, pipe, and pipe fittings	40.2	39.4	40.9	41.1	—	—	—	—	—	—
35	MACHINERY, EXCEPT ELECTRICAL	40.5	39.9	41.0	41.2	40.8	2.6	2.4	3.0	3.1	—
351	Engines and turbines	40.2	39.8	40.7	40.5	(*)	2.1	2.0	3.4	3.3	—
3511	Steam engines and turbines	39.9	39.0	41.0	40.5	—	—	—	—	—	—
3519	Internal combustion engines, nec	40.3	40.2	40.5	40.5	—	—	—	—	—	—
352	Farm machinery	40.3	39.5	40.6	40.6	—	2.6	1.8	2.6	2.5	—
353	Construction and related machinery	41.0	40.1	40.4	40.8	(*)	3.1	2.6	2.4	2.7	—
3531,2	Construction and mining machinery	40.7	39.1	39.6	40.0	—	2.8	2.0	1.7	2.1	—
3533	Oil field machinery	42.4	42.9	42.0	42.6	—	—	—	—	—	—
3535,6	Conveyors, hoists, cranes, monorails	41.6	41.1	41.4	41.3	—	—	—	—	—	—
3537	Industrial trucks and tractors	38.6	37.4	39.6	39.8	—	—	—	—	—	—
354	Metal working machinery	40.8	40.4	41.6	41.8	41.7	2.9	2.9	4.0	3.8	—
3541	Machine tools, metal cutting types	41.8	41.0	41.8	41.5	—	3.7	3.3	3.3	3.3	—
3544	Special dies, tools, jig and fixtures	41.1	40.9	42.8	43.3	—	—	—	—	—	—
3545	Machine tool accessories	40.4	39.8	40.3	40.9	—	2.2	2.7	2.9	3.2	—
3542,8	Miscellaneous metal working machinery	39.5	39.5	40.2	40.0	—	—	—	—	—	—
355	Special industry machinery	40.1	39.6	41.0	41.1	40.4	2.3	1.9	2.8	2.9	—
3551	Food products machinery	40.1	39.7	40.8	41.1	—	—	—	—	—	—
3552	Textile machinery	38.6	38.2	40.5	40.9	—	—	—	—	—	—
3555	Printing trades machinery	40.3	39.5	41.1	40.7	—	—	—	—	—	—
356	General industrial machinery	40.7	39.8	40.6	40.8	40.4	2.7	2.7	2.6	3.0	—
3561	Pumps and compressors	41.6	39.6	40.7	40.8	—	3.4	2.8	2.8	2.7	—
3562	Ball and roller bearings	39.6	39.9	40.8	41.2	—	1.5	2.8	2.7	3.5	—
3564	Blowers and fans	41.0	39.5	40.4	41.8	—	—	—	—	—	—
3566	Power transmission equipment	41.6	41.1	41.0	40.9	—	3.8	3.6	2.9	3.1	—
357	Office and computing machines	40.8	40.4	41.7	42.0	(*)	1.9	1.6	2.4	2.7	—
3573	Electronic computing equipment	41.4	41.3	41.9	42.1	—	—	—	—	—	—
358	Service industry machines	38.8	38.5	40.7	40.4	40.0	1.0	1.1	2.5	2.7	—
3585	Refrigeration machinery	38.8	39.1	40.9	40.5	—	.8	1.0	2.5	2.6	—
359	Miscellaneous machinery, except electrical	40.8	39.9	41.7	41.8	41.4	3.4	2.9	3.9	3.6	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$180.91	\$179.33	\$193.76	\$194.17	\$192.27	\$4.58	\$4.61	\$4.82	\$4.83	\$4.88
361	Electric test and distributing equipment	184.24	185.25	200.10	201.50	(*)	4.70	4.75	4.99	5.00	(*)
3611	Electric measuring instruments	159.44	162.15	203.50	203.50	—	4.12	4.19	5.00	5.00	—
3612	Transformers	186.28	182.96	186.26	189.14	—	4.74	4.74	4.68	4.67	—
3613	Switchgear and switchboard apparatus	203.54	203.82	208.00	208.55	—	5.14	5.16	5.20	5.24	—
362	Electrical industrial apparatus	181.37	183.81	196.26	195.37	(*)	4.58	4.63	4.87	4.86	(*)
3621	Motors and generators	183.60	185.66	200.07	197.78	—	4.59	4.63	4.94	4.92	—
3622	Industrial controls	173.38	175.24	184.14	184.21	—	4.48	4.54	4.65	4.64	—
363	Household appliances	179.78	182.10	192.08	191.04	(*)	4.54	4.61	4.79	4.80	(*)
3632	Household refrigerators and freezers	188.46	195.72	201.79	199.87	—	4.82	4.93	5.07	5.06	—
3633	Household laundry equipment	214.80	213.73	218.44	222.24	—	5.33	5.33	5.53	5.57	—
3634	Electric housewares and fans	151.32	154.05	163.98	163.14	—	3.90	3.91	4.12	4.13	—
364	Electric lighting and wiring equipment	169.94	168.14	185.44	185.44	(*)	4.38	4.39	4.59	4.59	(*)
3641	Electric lamps	176.71	178.00	188.60	188.60	—	4.44	4.45	4.60	4.60	—
3642	Lighting fixtures	175.03	169.63	195.20	197.87	—	4.57	4.56	4.88	4.91	—
3643,4	Wiring devices	162.93	162.39	176.55	174.44	—	4.21	4.24	4.37	4.35	—
365	Radio and TV receiving equipment	161.59	163.24	175.87	176.12	(*)	4.23	4.33	4.43	4.47	(*)
366	Communication equipment	204.69	200.19	221.25	223.71	(*)	5.13	5.12	5.49	5.51	(*)
3661	Telephone and telegraph apparatus	201.73	194.69	225.74	229.48	—	5.12	5.07	5.56	5.57	—
3662	Radio and TV communication equipment	206.63	204.34	218.55	219.49	—	5.14	5.16	5.45	5.46	—
367	Electronic components and accessories	153.27	151.31	160.79	161.98	(*)	3.90	3.93	4.05	4.08	(*)
3671-3	Electron tubes	188.40	189.07	204.06	211.25	—	4.71	4.68	5.14	5.14	—
3674,9	Other electronic components	147.78	145.54	155.23	155.63	—	3.77	3.81	3.91	3.94	—
369	Miscellaneous electrical equip. and supplie.	215.30	207.24	230.87	234.08	(*)	5.29	5.26	5.59	5.60	(*)
3694	Engine electrical equipment	232.72	224.14	253.15	258.22	—	5.69	5.66	6.10	6.09	—
37	TRANSPORTATION EQUIPMENT	240.78	244.20	275.40	277.75	265.92	5.96	6.00	6.48	6.52	6.47
371	Motor vehicles and equipment	259.37	265.92	312.76	320.40	(*)	6.42	6.47	7.06	7.12	(*)
3711	Motor vehicles	269.61	280.22	327.15	342.71	—	6.69	6.72	7.27	7.37	—
3712	Passenger car bodies	285.84	287.83	352.27	359.92	—	7.20	7.25	7.97	8.07	—
3713	Truck and bus bodies	206.65	207.48	225.74	227.28	—	5.09	5.20	5.56	5.53	—
3714	Motor vehicle parts and accessories	257.86	260.35	310.10	312.39	—	6.32	6.35	7.00	7.02	—
3715	Truck trailers	175.48	180.50	176.39	197.73	—	4.73	4.75	5.01	5.07	—
372	Aircraft and parts†	247.99	246.41	260.53	250.58	(*)	5.99	6.01	6.37	6.36	(*)
3721	Aircraft†	255.44	256.26	268.06	248.41	—	6.20	6.22	6.57	6.52	—
3722	Aircraft engines and engine parts†	249.04	242.40	257.58	257.44	—	6.03	6.00	6.36	6.42	—
3723,9	Other aircraft parts and equipment†	229.48	229.07	246.51	247.52	—	5.49	5.56	5.94	5.95	—
373	Ship and boat building and repairing	203.06	208.68	221.20	222.08	(*)	5.18	5.23	5.60	5.58	(*)
3731	Ship building and repairing	214.34	220.00	235.03	236.21	—	5.44	5.50	5.95	5.92	—
3732	Boat building and repairing	162.86	166.66	175.08	174.99	—	4.23	4.23	4.41	4.43	—
374	Railroad equipment	244.51	256.06	261.89	(*)	—	6.19	6.20	6.63	(*)	—
375,9	Other transportation equipment	163.88	160.61	179.08	177.32	—	4.17	4.15	4.40	4.40	—
38	INSTRUMENTS AND RELATED PRODUCTS	178.88	178.75	195.77	195.69	196.75	4.54	4.56	4.81	4.82	4.87
381	Engineering and scientific instruments	194.40	193.28	206.04	205.44	—	4.80	4.82	5.05	5.06	—
382	Mechanical measuring and control devices	172.77	172.38	190.54	190.01	(*)	4.43	4.42	4.67	4.68	(*)
3821	Mechanical measuring devices	176.22	178.35	193.19	195.29	—	4.45	4.47	4.77	4.81	—
3822	Automatic temperature controls	165.13	161.08	186.22	181.89	—	4.38	4.33	4.52	4.48	—
383,5	Optical and ophthalmic goods	162.76	160.68	172.46	172.89	(*)	4.11	4.12	4.29	4.29	(*)
385	Ophthalmic goods	149.74	148.22	156.42	156.42	—	3.82	3.87	3.94	3.94	—
384	Medical instruments and supplies	155.94	155.14	170.34	173.13	169.22	4.04	4.04	4.28	4.35	4.35
386	Photographic equipment and supplies	227.05	226.80	257.23	253.08	(*)	5.62	5.67	6.11	6.04	(*)
387	Watches, clocks, and watchcases	145.10	147.73	157.17	155.99	—	3.73	3.74	3.90	3.89	—
39	MISC. MANUFACTURING INDUSTRIES	145.15	143.26	154.14	154.41	152.42	3.78	3.79	3.99	3.99	3.99
391	Jewelry, silverware, and plated ware	154.22	148.60	164.19	164.09	161.54	4.08	4.06	4.21	4.24	4.24
394	Toys and sporting goods	132.59	131.95	141.30	140.94	—	3.48	3.50	3.67	3.68	—
3941-3	Games, toys, dolls and play vehicles	127.54	127.43	132.33	133.43	—	3.33	3.38	3.51	3.53	—
3949	Sporting and athletic goods, nec	139.10	137.62	150.90	149.77	—	3.68	3.66	3.83	3.85	—
395	Pens, pencils, office and art supplies	147.71	150.00	157.56	156.77	—	3.73	3.75	3.90	3.89	—
396	Costume jewelry and notions	130.18	127.88	132.00	133.79	—	3.39	3.41	3.52	3.53	—
393,9	Other manufacturing industries	157.12	154.60	168.78	168.83	165.59	4.06	4.09	4.35	4.34	4.29
393	Musical instruments and parts	148.22	142.08	156.00	156.41	—	3.84	3.84	4.00	3.99	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	182.05	184.28	196.00	199.17	201.38	4.54	4.55	4.90	4.93	4.96
201	Meat products	185.07	187.46	198.90	201.00	(*)	4.65	4.71	5.01	5.00	(*)
2011.	Meat packing plants	227.28	228.17	243.98	243.49	—	5.53	5.62	5.98	5.91	—
2013	Sausages and other prepared meats	220.86	229.50	238.55	246.19	—	5.40	5.53	5.89	5.99	—
2015	Poultry dressing plants	110.33	114.38	121.72	125.51	—	2.95	3.01	3.22	3.26	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1975	July 1975	May 1976	June p 1976	July p 1976	June 1975	July 1975	May 1976	June p 1976	July p 1976
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.5	38.9	40.2	40.2	39.4	1.7	1.5	2.3	2.3	
361	Electric test and distributing equipment	39.2	39.0	40.1	40.3	(*)	1.5	1.6	2.0	1.9	
3611	Electric measuring instruments	38.7	38.7	40.7	40.7		1.1	1.3	2.0	2.0	
3612	Transformers	39.3	38.6	39.8	40.5						
3613	Switchgear and switchboard apparatus	39.6	39.5	40.0	39.8						
362	Electrical industrial apparatus	39.6	39.7	40.3	40.2		2.0	1.7	2.4	2.5	
3621	Motors and generators	40.0	40.1	40.5	40.2		2.1	2.1	2.6	2.7	
3622	Industrial controls	38.7	38.6	39.6	39.7		1.9	1.0	1.7	1.9	
363	Household appliances	39.6	39.5	40.1	39.8	(*)	1.8	1.6	2.1	2.2	
3632	Household refrigerators and freezers	39.1	39.7	39.8	39.5						
3633	Household laundry equipment	40.3	40.1	39.5	39.9						
3634	Electric housewares and fans	38.8	39.4	39.8	39.5		1.5	1.5	2.0	1.9	
364	Electric lighting and wiring equipment	38.8	38.3	40.4	40.4	(*)	1.3	1.2	2.6	2.4	
3641	Electric lamps	39.8	40.0	41.0	41.0		1.5	1.3	2.5	2.2	
3642	Lighting fixtures	38.3	37.2	40.0	40.3		1.4	1.3	2.9	2.8	
3643.4	Wiring devices	38.7	38.3	40.4	40.1		1.2	1.0	2.4	2.1	
365	Radio and TV receiving equipment	38.2	37.7	39.7	39.4	(*)	.6	.6	2.7	1.9	
366	Communication equipment	39.9	39.1	40.3	40.6	(*)	1.8	1.5	2.0	2.2	
3661	Telephone and telegraph apparatus	39.4	38.4	40.6	41.2						
3662	Radio and TV communication equipment	40.2	39.6	40.1	40.2		2.2	1.9	2.1	2.0	
367	Electronic components and accessories	39.3	38.5	39.7	39.7	(*)	1.7	1.6	2.2	2.3	
3671.3	Electron tubes	40.0	40.4	39.7	41.1		1.6	1.4	1.7	2.4	
3674.9	Other electronic components	39.2	38.2	39.7	39.5		1.7	1.6	2.3	2.3	
369	Miscellaneous electrical equip. and supplies	40.7	39.4	41.3	41.8	(*)	2.4	2.0	3.3	3.5	
3694	Engine electrical equipment	40.9	39.6	41.5	42.4						
37	TRANSPORTATION EQUIPMENT	40.4	40.7	42.5	42.6	41.1	2.6	3.0	4.5	4.7	
371	Motor vehicles and equipment	40.4	41.1	44.3	45.0	(*)	2.5	3.3	6.0	6.5	
3711	Motor vehicles	40.3	41.7	45.0	46.5		2.2	3.5	6.4	7.3	
3712	Passenger car bodies	39.7	39.7	44.2	44.6						
3713	Truck and bus bodies	40.6	39.9	40.6	41.1						
3714	Motor vehicle parts and accessories	40.8	41.0	44.3	44.5		2.9	3.3	6.1	6.2	
3715	Truck trailers	37.1	38.0	39.2	39.0						
372	Aircraft and parts	41.4	41.0	40.9	39.4	(*)	2.9	2.8	2.6	2.6	
3721	Aircraft	41.2	41.2	40.8	38.1		2.4	2.6	2.2	2.3	
3722	Aircraft engines and engine parts	41.3	40.4	40.5	40.1		3.4	2.9	2.8	2.7	
3723.9	Other aircraft parts and equipment	41.8	41.2	41.5	41.6		3.3	3.3	3.3	3.4	
373	Ship and boat building and repairing	39.2	39.9	39.5	39.8	(*)	2.6	2.8	2.9	2.8	
3731	Ship building and repairing	39.4	40.0	39.5	39.9						
3732	Boat building and repairing	38.5	39.4	39.7	39.5						
374	Railroad equipment	39.5	41.3	39.5	(*)		2.4	3.3	1.8	(*)	
375.9	Other transportation equipment	39.3	38.7	40.7	40.3		2.0	1.6	3.2	2.8	
38	INSTRUMENTS AND RELATED PRODUCTS	39.4	39.2	40.7	40.6	40.4	1.7	1.6	2.6	2.5	
381	Engineering and scientific instruments	40.5	40.1	40.8	40.6		2.1	2.2	2.4	2.5	
382	Mechanical measuring and control devices	39.0	39.0	40.8	40.6	(*)	1.7	1.8	2.9	2.6	
3821	Mechanical measuring devices	39.6	39.9	40.5	40.6		1.9	2.1	2.5	2.4	
3822	Automatic temperature controls	37.7	37.2	41.2	40.6		1.1	1.0	3.4	3.0	
383.5	Optical and ophthalmic goods	39.6	39.0	40.2	40.3	(*)	1.7	1.3	2.5	2.7	
385	Ophthalmic goods	39.2	38.3	39.7	39.7		1.9	1.2	2.2	2.3	
384	Medical instruments and supplies	38.6	38.4	39.8	39.8	38.9	1.4	1.4	2.3	2.2	
386	Photographic equipment and supplies	40.4	40.0	42.1	41.9	(*)	1.8	1.4	3.1	2.6	
387	Watches, clocks, and watch cases	38.9	39.5	40.3	40.1		1.4	1.6	2.0	1.9	
39	MISC. MANUFACTURING INDUSTRIES	38.4	37.8	38.7	38.7	38.2	1.6	1.4	2.1	2.0	
391	Jewelry, silverware, and plated ware	37.8	36.6	39.0	38.7	38.1	1.7	.8	2.5	2.3	
394	Toys and sporting goods	38.1	37.7	38.5	38.3		1.5	1.4	1.8	1.6	
3941.3	Games, toys, dolls and play vehicles	38.3	37.7	37.7	37.8						
3949	Sporting and athletic goods, nec	37.8	37.6	39.4	38.9						
395	Pens, pencils, office and art supplies	39.6	40.0	40.4	40.3		2.0	2.0	3.2	2.9	
396	Costume jewelry and notions	38.4	37.5	37.5	37.9		1.6	1.4	1.7	1.8	
393.9	Other manufacturing industries	38.7	37.8	38.8	38.9	38.6	1.6	1.4	2.2	2.1	
393	Musical instruments and parts	38.6	37.0	39.0	39.2		1.4	.8	1.6	1.5	
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	40.1	40.5	40.0	40.4	40.6	3.8	4.1	3.7	3.8	
201	Meat products	39.8	39.8	39.7	40.2	(*)	3.7	3.8	3.6	3.8	
2011	Meat packing plants	41.1	40.6	40.8	41.2		4.3	4.4	3.9	4.1	
2013	Sausages and other prepared meats	40.9	41.5	40.5	41.1						
2015	Poultry dressing plants	37.4	38.0	37.8	38.5						

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
NONDURABLE GOODS—Continued											
FOOD AND KINDRED PRODUCTS—Continued											
202	Dairy products	\$ 192.92	\$ 193.28	\$ 201.20	\$ 206.29	\$ 208.54	\$ 4.55	\$ 4.58	\$ 4.86	\$ 4.90	\$ 4.93
2024	Ice cream and frozen desserts	192.04	191.90	192.23	202.66	—	4.54	4.58	4.83	4.86	—
2026	Fluid milk	200.55	203.78	214.54	216.58	—	4.73	4.75	5.06	5.12	—
203	Canned, cured, and frozen foods	143.22	149.77	160.70	158.34	—	3.85	3.87	4.24	4.20	—
2031	Canned, cured, and frozen sea foods	116.28	118.67	130.90	137.03	—	3.40	3.42	3.85	3.86	—
2032	Canned food, except sea foods	154.75	157.60	177.24	169.40	—	4.03	3.94	4.51	4.40	—
2037	Frozen fruits and vegetables	134.69	147.07	150.51	146.98	—	3.68	3.81	3.94	3.93	—
204	Grain mill products	209.84	214.59	223.94	230.48	(*)	4.78	4.79	5.22	5.25	(*)
2041	Flour and other grain mill products	216.38	231.07	237.10	246.98	—	4.83	4.98	5.34	5.44	—
2042	Prepared feeds for animals and fowls	181.66	187.50	187.87	195.36	—	4.11	4.13	4.41	4.42	—
205	Bakery products	185.00	187.46	199.92	205.37	(*)	4.66	4.71	5.10	5.16	(*)
2051	Bread, cake, and related products	185.57	189.29	198.51	204.85	—	4.71	4.78	5.09	5.16	—
2052	Cookies and crackers	180.59	181.40	203.66	207.72	—	4.47	4.49	5.13	5.18	—
206	Sugar	205.94	212.48	231.15	237.30	—	5.06	5.12	5.53	5.65	—
207	Confectionery and related products	161.99	162.37	174.49	174.89	(*)	4.07	4.09	4.44	4.45	(*)
2071	Confectionery products	155.23	154.44	166.45	166.45	—	3.91	3.90	4.29	4.29	—
208	Beverages	221.40	220.99	229.70	240.20	(*)	5.40	5.39	5.63	5.83	(*)
2082	Malt liquors	311.42	314.60	339.89	342.76	—	7.11	7.15	7.57	7.79	—
2086	Bottled and canned soft drinks	161.99	165.24	175.92	178.97	—	4.06	4.07	4.42	4.43	—
209	Miscellaneous foods and kindred products	182.55	183.85	199.50	202.56	(*)	4.42	4.43	4.75	4.80	(*)
21	TOBACCO MANUFACTURES	193.64	160.31	195.45	200.83	172.89	4.89	4.62	5.13	5.23	5.07
2111	Cigarettes	231.13	190.44	222.68	230.44	—	5.61	5.52	5.86	5.97	—
2121	Cigars	107.74	106.27	121.06	122.94	—	2.96	2.88	3.12	3.21	—
22	TEXTILE MILL PRODUCTS	132.26	131.60	144.59	146.11	148.34	3.34	3.34	3.57	3.59	3.69
2211	Weaving mills, cotton	132.53	134.67	150.54	151.79	(*)	3.33	3.35	3.61	3.64	(*)
2221	Weaving mills, synthetics	134.35	136.51	151.66	152.72	(*)	3.41	3.43	3.69	3.68	(*)
223	Weaving and finishing mills, wool	139.90	139.49	153.46	156.66	(*)	3.48	3.47	3.68	3.73	(*)
224	Narrow fabric mills	128.23	126.75	138.38	137.89	(*)	3.23	3.25	3.40	3.43	(*)
225	Knitting mills	124.03	123.44	133.86	133.82	(*)	3.23	3.24	3.45	3.44	(*)
2251	Women's hosiery, except socks	112.72	114.08	117.87	119.45	—	2.99	3.01	3.16	3.16	—
2252	Hosiery, nec	110.25	109.66	122.11	121.16	—	2.94	2.92	3.18	3.18	—
2253	Knit outerwear mills	122.18	120.27	135.20	135.97	—	3.32	3.35	3.53	3.55	—
2254	Knit underwear mills	106.29	108.33	119.13	117.69	—	2.92	2.92	3.16	3.13	—
226	Textile finishing, except wool	155.73	146.11	156.83	160.27	(*)	3.63	3.59	3.87	3.89	(*)
227	Floor covering mills	141.35	139.84	146.69	155.63	—	3.49	3.47	3.64	3.75	—
228	Yarn and thread mills	121.37	121.60	136.35	138.17	(*)	3.12	3.11	3.35	3.37	(*)
229	Miscellaneous textile goods	150.75	145.56	158.30	159.51	(*)	3.65	3.63	3.88	3.90	(*)
23	APPAREL AND OTHER TEXTILE PRODUCTS	111.23	111.55	121.00	122.40	119.28	3.16	3.16	3.38	3.40	3.36
231	Men's and boys' suits and coats	125.90	132.14	146.65	152.99	(*)	3.85	3.83	4.04	4.18	(*)
232	Men's and boys' furnishings	101.88	101.31	112.91	112.55	111.87	2.83	2.83	3.06	3.05	3.04
2321	Men's and boys' shirts and nightwear	99.36	99.55	111.37	111.07	—	2.76	2.75	3.01	3.01	—
2327	Men's and boys' separate trousers	103.39	103.46	114.82	115.13	—	2.88	2.89	3.12	3.12	—
2328	Men's and boys' work clothing	102.21	98.41	111.60	110.26	—	2.77	2.78	3.00	2.98	—
233	Women's and misses' outerwear	108.88	110.21	115.20	117.23	117.25	3.26	3.28	3.47	3.51	3.50
2331	Women's and misses' blouses and waists	109.86	110.83	110.20	112.89	—	3.13	3.07	3.27	3.33	—
2335	Women's and misses' dresses	103.29	104.83	113.63	114.24	—	3.30	3.36	3.54	3.57	—
2337	Women's and misses' suits and coats	128.44	131.13	129.81	136.55	—	3.80	3.79	3.91	4.04	—
2339	Women's and misses' outerwear, nec	107.10	106.92	112.75	114.05	—	3.00	2.97	3.24	3.24	—
234	Women's and children's undergarments	103.75	101.18	112.89	114.14	(*)	2.89	2.85	3.11	3.11	(*)
2341	Women's and children's underwear	100.24	98.21	109.32	110.83	—	2.80	2.79	3.02	3.02	—
2342	Corsets and allied garments	114.08	111.69	124.81	125.43	—	3.16	3.06	3.41	3.39	—
235	Hats, caps, and millinery	101.46	101.85	113.63	113.18	—	2.85	2.91	3.03	3.01	—
236	Children's outerwear	107.31	106.13	112.22	114.14	(*)	2.94	2.94	3.10	3.11	(*)
2361	Children's dresses and blouses	105.91	106.43	109.43	110.80	—	2.95	2.94	3.10	3.13	—
237	Fur goods and miscellaneous apparel	117.07	117.36	125.22	123.82	—	3.27	3.26	3.44	3.43	—
239	Miscellaneous fabricated textile products	134.52	132.35	147.46	147.84	(*)	3.54	3.52	3.84	3.85	(*)
2391	Housefurnishings	111.63	110.58	116.25	116.94	—	2.93	2.91	3.10	3.11	—
26	PAPER AND ALLIED PRODUCTS	205.92	210.08	225.68	229.73	231.80	4.95	5.05	5.31	5.38	5.48
261	Paper and pulp mills	241.11	248.16	264.33	271.01	(*)	5.53	5.64	5.94	6.09	(*)
2631	Paperboard mills	240.93	239.13	266.20	268.29	(*)	5.59	5.68	6.05	6.07	(*)
264	Miscellaneous converted paper products	178.35	181.55	198.58	201.20	(*)	4.47	4.55	4.82	4.86	(*)
2643	Bags, except textile bags	171.54	174.80	186.76	192.51	—	4.31	4.37	4.60	4.65	—
265	Paperboard containers and boxes	184.37	186.71	199.89	202.11	199.43	4.53	4.61	4.84	4.87	4.90
2651	Folding and setup paperboard boxes	171.90	173.75	189.72	190.70	—	4.33	4.41	4.65	4.64	—
2653	Corrugated and solid fiber boxes	194.28	197.88	210.31	212.99	—	4.75	4.85	5.08	5.12	—
2654	Sanitary food containers	178.43	180.56	193.77	194.54	—	4.31	4.33	4.57	4.61	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p	June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	42.4	42.2	41.4	42.1	42.3	4.4	4.5	4.0	4.3	—
2024	Ice cream and frozen desserts	42.3	41.9	39.8	41.7	—	—	—	—	—	—
2026	Fluid milk	42.4	42.9	42.4	42.3	—	—	—	—	—	—
203	Canned, cured, and frozen foods	37.2	38.7	37.9	37.7	—	2.7	3.6	2.8	2.9	—
2031,6	Canned, cured, and frozen sea foods	34.2	34.7	34.0	35.5	—	—	—	—	—	—
2032,3	Canned food, except sea foods	38.4	40.0	39.3	38.5	—	—	—	—	—	—
2037	Frozen fruits and vegetables	36.6	38.6	38.2	37.4	—	—	—	—	—	—
204	Grain mill products	43.9	44.8	42.9	43.9	(*)	6.3	6.9	5.4	5.6	—
2041	Flour and other grain mill products	44.8	46.4	44.4	45.4	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	44.2	45.4	42.6	44.2	—	—	—	—	—	—
205	Bakery products	39.7	39.8	39.2	39.8	(*)	3.5	3.7	3.3	3.7	—
2051	Bread, cake, and related products	39.4	39.6	39.0	39.7	—	—	—	—	—	—
2052	Cookies and crackers	40.4	40.4	39.7	40.1	—	—	—	—	—	—
206	Sugar	40.7	41.5	41.8	42.0	—	3.3	4.3	3.2	3.4	—
207	Confectionery and related products	39.8	39.7	39.3	39.3	(*)	2.3	2.0	2.3	2.2	—
2071	Confectionery products	39.7	39.6	38.8	38.8	—	—	—	—	—	—
208	Beverages	41.0	41.0	40.8	41.2	(*)	4.4	4.5	4.3	4.3	—
2082	Malt liquors	43.8	44.0	44.9	44.0	—	—	—	—	—	—
2086	Bottled and canned soft drinks	39.9	40.6	39.8	40.4	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	41.3	41.5	42.0	42.2	(*)	4.2	4.1	4.4	4.6	—
21	TOBACCO MANUFACTURES	39.6	34.7	38.1	38.4	34.1	2.8	1.7	1.4	1.4	—
211	Cigarettes	41.2	34.5	38.0	38.6	—	3.6	1.8	1.5	1.5	—
212	Cigars	36.4	36.9	38.8	38.3	—	.8	.6	1.5	1.4	—
22	TEXTILE MILL PRODUCTS	39.6	39.4	40.5	40.7	40.2	3.0	3.0	3.6	3.7	—
221	Weaving mills, cotton	39.8	40.2	41.7	41.7	(*)	3.2	3.6	4.5	4.6	—
222	Weaving mills, synthetics	39.4	39.8	41.1	41.5	(*)	2.5	2.7	3.9	4.0	—
223	Weaving and finishing mills, wool	40.2	40.2	41.7	42.0	(*)	3.1	3.2	3.9	4.2	—
224	Narrow fabric mills	39.7	39.0	40.7	40.2	(*)	2.6	2.9	3.7	3.6	—
225	Knitting mills	38.4	38.1	38.8	38.9	(*)	2.6	2.7	2.8	2.7	—
2251	Women's hosiery, except socks	37.7	37.9	37.3	37.8	—	—	—	—	—	—
2252	Hosiery, nec	37.5	37.3	38.4	38.1	—	—	—	—	—	—
2253	Knit outerwear mills	36.8	35.9	38.3	38.3	—	—	—	—	—	—
2254	Knit underwear mills	36.4	37.1	37.7	37.6	—	—	—	—	—	—
226	Textile finishing, except wool	42.9	40.7	41.3	41.2	(*)	5.1	3.6	4.0	4.1	—
227	Floor covering mills	40.5	40.3	40.3	41.5	—	3.7	3.0	3.4	3.8	—
228	Yarn and thread mills	38.9	39.1	40.7	41.0	(*)	2.7	2.6	3.7	3.9	—
229	Miscellaneous textile goods	41.3	40.1	40.8	40.9	(*)	3.5	2.6	3.5	3.3	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.2	35.3	35.8	36.0	35.5	1.1	.9	1.3	1.3	—
231	Men's and boys' suits and coats	32.7	34.5	36.3	36.6	(*)	.6	.5	1.0	1.1	—
232	Men's and boys' furnishings	36.0	35.8	36.9	36.9	36.8	.9	.7	1.3	1.2	—
2321	Men's and boys' shirts and nightwear	36.0	36.2	37.0	36.9	—	.8	.6	1.2	1.2	—
2327	Men's and boys' separate trousers	35.9	35.8	36.8	36.9	—	1.1	.8	1.4	1.2	—
2328	Men's and boys' work clothing	36.9	35.4	37.2	37.0	—	1.2	.7	1.2	1.2	—
233	Women's and misses' outerwear	33.4	33.6	33.2	33.4	33.5	1.1	.9	1.0	1.0	—
2331	Women's and misses' blouses and waists	35.1	36.1	33.7	33.9	—	—	—	—	—	—
2335	Women's and misses' dresses	31.3	31.2	32.1	32.0	—	.8	.5	.9	.9	—
2337	Women's and misses' suits and coats	33.8	34.6	33.2	33.8	—	1.1	1.2	1.1	1.3	—
2339	Women's and misses' outerwear, nec	35.7	36.0	34.8	35.2	—	1.3	1.2	1.1	1.1	—
234	Women's and children's undergarments	35.9	35.5	36.3	36.7	(*)	1.1	1.2	1.3	1.4	—
2341	Women's and children's underwear	35.8	35.2	36.2	36.7	—	—	—	—	—	—
2342	Corsets and allied garments	36.1	36.5	36.6	37.0	—	—	—	—	—	—
235	Hats, caps, and millinery	35.6	35.0	37.5	37.6	—	.9	.8	1.5	1.4	—
236	Children's outerwear	36.5	36.1	36.2	36.7	(*)	1.4	1.2	1.4	1.6	—
2361	Children's dresses and blouses	35.9	36.2	35.3	35.4	—	—	—	—	—	—
237,8	Fur goods and miscellaneous apparel	35.8	36.0	36.4	36.1	—	1.1	1.1	1.3	1.2	—
239	Miscellaneous fabricated textile products	38.0	37.6	38.4	38.4	(*)	1.8	1.5	2.1	2.1	—
2391,2	Housefurnishings	38.1	38.0	37.5	37.6	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	41.6	41.6	42.5	42.7	42.3	4.0	4.3	4.7	4.7	—
261,2,6	Paper and pulp mills	43.6	44.0	44.5	44.5	(*)	5.3	5.9	6.2	6.2	—
263	Paperboard mills	43.1	42.1	44.0	44.2	(*)	6.1	5.9	6.6	6.3	—
264	Miscellaneous converted paper products	39.9	39.9	41.2	41.4	(*)	2.6	2.8	3.5	3.6	—
2643	Bags, except textile bags	39.8	40.0	40.6	41.4	—	—	—	—	—	—
265	Paperboard containers and boxes	40.7	40.5	41.3	41.5	40.7	3.1	3.6	3.7	3.8	—
2651,2	Folding and setup paperboard boxes	39.7	39.4	40.8	41.1	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	40.9	40.8	41.4	41.6	—	3.5	3.7	4.1	4.2	—
2654	Sanitary food containers	41.4	41.7	42.4	42.2	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	\$196.88	\$198.55	\$212.25	\$211.88	\$213.19	\$ 5.35	\$ 5.41	\$ 5.66	\$ 5.65	\$ 5.67
271	Newspapers	201.83	202.27	213.81	216.25	215.06	5.85	5.88	6.27	6.25	6.27
272	Periodicals	209.13	210.45	222.71	213.93	—	5.39	5.41	5.83	5.72	—
273	Books	168.91	170.02	191.00	189.59	—	4.59	4.62	4.86	4.95	—
275	Commercial printing	202.29	206.22	220.00	217.14	219.04	5.38	5.47	5.67	5.64	5.66
2751	Commercial printing, except lithographic	197.93	200.09	214.34	210.60	—	5.25	5.35	5.51	5.47	—
2752	Commercial printing, lithographic	208.87	216.41	229.63	228.27	—	5.63	5.68	5.98	5.96	—
278	Blankbooks and bookbinding	154.73	153.06	169.17	169.26	170.87	4.04	4.06	4.36	4.34	4.37
274,6,7,9	Other publishing and printing ind.	204.82	202.74	216.58	219.04	(*)	5.39	5.45	5.64	5.66	(*)
28	CHEMICALS AND ALLIED PRODUCTS	218.82	221.14	240.86	241.95	245.27	5.35	5.42	5.79	5.83	5.91
281	Industrial chemicals	244.50	246.00	271.55	273.65	(*)	5.92	6.00	6.45	6.50	(*)
2812	Alkalies and chlorine	247.38	245.39	261.46	274.56	—	5.70	5.72	6.27	6.40	—
2818	Industrial organic chemicals, nec.	264.09	266.09	303.30	300.75	—	6.41	6.49	7.07	7.11	—
2819	Industrial inorganic chemicals, nec.	230.20	234.90	252.34	256.06	—	5.67	5.80	6.11	6.20	—
282	Plastics materials and synthetics	215.25	216.89	236.14	236.97	(*)	5.25	5.29	5.69	5.71	(*)
2821	Plastics materials and resins	226.97	227.70	259.42	258.83	—	5.43	5.50	5.95	5.95	—
2823,4	Synthetic fibers	203.41	205.13	213.73	213.73	—	5.01	5.04	5.33	5.33	—
283	Drugs	205.23	205.82	222.50	223.04	(*)	5.08	5.12	5.44	5.44	(*)
2834	Pharmaceutical preparations	199.49	200.10	217.06	217.87	—	4.95	4.99	5.32	5.34	—
284	Soap, cleaners, and toilet goods	209.56	213.68	225.33	225.84	226.40	5.20	5.25	5.55	5.59	5.59
2841	Soap and other detergents	269.57	282.71	294.42	300.46	—	6.48	6.59	7.01	7.12	—
2844	Toilet preparations	169.88	166.60	187.38	184.63	—	4.29	4.25	4.72	4.71	—
285	Paints and allied products	201.87	205.00	227.39	223.69	(*)	4.96	5.00	5.44	5.39	(*)
287	Agricultural chemicals	196.04	201.76	215.56	216.72	(*)	4.69	4.85	5.06	5.16	(*)
2871,2	Fertilizers, complete and mixing only	180.89	188.33	201.71	201.66	—	4.38	4.56	4.68	4.79	—
286,9	Other chemical products	204.12	205.20	222.89	225.63	(*)	5.04	5.13	5.41	5.45	(*)
2892	Explosives	201.70	202.12	212.80	220.96	—	5.03	5.13	5.32	5.35	—
29	PETROLEUM AND COAL PRODUCTS	264.77	272.12	300.04	301.89	304.59	6.38	6.51	7.11	7.12	7.15
291	Petroleum refining	279.76	287.82	323.95	325.50	326.63	6.84	7.02	7.75	7.75	7.74
295,9	Other petroleum and coal products	217.22	227.77	232.09	236.42	(*)	5.04	5.13	5.36	5.41	(*)
30	RUBBER AND PLASTICS PRODUCTS, NEC	172.33	175.03	176.58	177.42	176.44	4.33	4.42	4.36	4.37	4.40
301	Tires and inner tubes	233.79	248.30	250.40	248.91	(*)	5.62	5.87	5.73	5.67	(*)
302,3,6	Other rubber products	165.33	165.02	185.54	185.78	183.81	4.25	4.32	4.57	4.61	4.63
302	Rubber footwear	122.54	127.70	125.17	124.49	—	3.33	3.47	3.42	3.42	—
307	Miscellaneous plastics products	153.65	154.06	165.22	166.04	165.19	3.88	3.92	4.11	4.12	4.14
31	LEATHER AND LEATHER PRODUCTS	122.62	123.00	131.33	130.00	127.88	3.21	3.22	3.42	3.43	3.41
311	Leather tanning and finishing	173.79	168.20	180.45	176.28	(*)	4.27	4.28	4.50	4.52	(*)
314	Footwear, except rubber	116.28	118.20	125.84	123.23	123.50	3.06	3.07	3.26	3.26	3.25
312,3,5-7,9	Other leather products	120.64	118.45	127.19	130.44	(*)	3.20	3.21	3.41	3.46	(*)
316	Luggage	117.81	114.12	129.17	129.22	—	3.21	3.17	3.51	3.55	—
317	Handbags and personal leather goods	121.29	120.65	123.46	126.30	—	3.11	3.15	3.31	3.35	—
TRANSPORTATION AND PUBLIC UTILITIES											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ² **	259.37	262.96	293.09	(*)	—	6.06	5.99	6.88	(*)	—
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	195.54	203.12	214.67	215.34	—	4.84	4.93	5.34	5.37	—
413	Intercity highway transportation	234.47	250.40	266.56	263.50	—	6.09	6.26	6.80	6.88	—
42	TRUCKING AND WAREHOUSING	239.59	244.61	258.73	265.77	—	5.96	6.10	6.42	6.53	—
421,3	Trucking and trucking terminals	244.82	250.63	264.62	271.73	—	6.09	6.25	6.55	6.66	—
422	Public warehousing	169.58	173.26	182.91	184.47	—	4.25	4.31	4.69	4.73	—
46	PIPE LINE TRANSPORTATION	280.67	283.46	305.78	304.96	—	6.93	6.88	7.44	7.42	—
48	COMMUNICATION	212.46	216.22	236.23	236.84	—	5.49	5.53	6.12	6.12	—
481	Telephone communication	212.14	216.45	238.46	239.09	—	5.51	5.55	6.21	6.21	—
4817	Switchboard operating employees ³	155.60	160.54	177.89	176.88	—	4.59	4.64	5.31	5.28	—
4818	Line construction employees ⁴	276.27	282.30	298.16	301.86	—	6.41	6.46	7.15	7.17	—
482	Telegraph communication ⁵	233.04	234.32	(*)	(*)	—	5.67	5.66	(*)	(*)	—
483	Radio and television broadcasting	213.17	216.15	227.95	228.54	—	5.48	5.50	5.83	5.83	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	36.8	36.7	37.5	37.5	37.6	2.0	2.1	2.5	2.4	—
271	Newspapers	34.5	34.4	34.1	34.6	34.3	1.7	1.7	1.6	1.8	—
272	Periodicals	38.8	38.9	38.2	37.4	—	2.4	2.4	2.8	2.1	—
273	Books	36.8	36.8	39.3	38.3	—	1.6	1.7	3.1	2.3	—
275	Commercial printing	37.6	37.7	38.8	38.5	38.7	2.3	2.5	3.1	2.9	—
2751	Commercial printing, except lithographic	37.7	37.4	38.9	38.5	—	2.3	2.5	3.2	2.9	—
2752	Commercial printing, lithographic	37.1	38.1	38.4	38.3	—	2.3	2.7	2.9	2.7	—
278	Blankbooks and bookbinding	38.3	37.7	38.8	39.0	39.1	1.4	1.5	2.0	2.2	—
274,6,7,9	Other publishing and printing ind.	38.0	37.2	38.4	38.7	(*)	1.9	2.0	2.3	2.4	—
28	CHEMICALS AND ALLIED PRODUCTS	40.9	40.8	41.6	41.5	41.5	2.6	2.9	3.2	3.2	—
281	Industrial chemicals	41.3	41.0	42.1	42.1	(*)	2.8	3.1	3.5	3.9	—
2812	Alkalies and chlorine	43.4	42.9	41.7	42.9	—	—	—	—	—	—
2818	Industrial organic chemicals, nec.	41.2	41.0	42.9	42.3	—	2.4	2.7	3.7	3.7	—
2819	Industrial inorganic chemicals, nec.	40.6	40.5	41.3	41.3	—	3.1	3.2	3.0	3.8	—
282	Plastics materials and synthetics	41.0	41.0	41.5	41.5	(*)	2.3	2.8	2.8	2.9	—
2821	Plastics materials and resins	41.8	41.4	43.6	43.5	—	3.2	3.7	4.7	4.7	—
2823,4	Synthetic fibers	40.6	40.7	40.1	40.1	—	1.8	2.2	1.5	1.6	—
283	Drugs	40.4	40.2	40.9	41.0	(*)	2.1	2.2	2.9	2.8	—
2834	Pharmaceutical preparations	40.3	40.1	40.8	40.8	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	40.3	40.7	40.6	40.4	40.5	2.4	2.7	2.7	2.7	—
2841	Soap and other detergents	41.6	42.9	42.0	42.2	—	—	—	—	—	—
2844	Toilet preparations	39.6	39.2	39.7	39.2	—	—	—	—	—	—
285	Paints and allied products	40.7	41.0	41.8	41.5	(*)	2.9	3.2	4.1	3.5	—
287	Agricultural chemicals	41.8	41.6	42.6	42.0	(*)	4.0	3.9	4.9	3.7	—
2871,2	Fertilizers, complete and mixing only	41.3	41.3	43.1	42.1	—	—	—	—	—	—
286,9	Other chemical products	40.5	40.0	41.2	41.4	(*)	2.5	2.7	3.0	2.9	—
2892	Explosives	40.1	39.4	40.0	41.3	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	41.5	41.8	42.2	42.4	42.6	3.1	3.5	3.2	3.8	—
291	Petroleum refining	40.9	41.0	41.8	42.0	42.2	2.2	2.5	2.5	3.0	—
295,9	Other petroleum and coal products	43.1	44.4	43.3	43.7	(*)	5.9	6.6	5.3	5.9	—
30	RUBBER AND PLASTICS PRODUCTS, NEC	39.8	39.6	40.5	40.6	40.1	2.7	2.8	3.1	3.4	—
301	Tires and inner tubes	41.6	42.3	43.7	43.9	(*)	4.0	4.7	5.0	5.0	—
302,3,6	Other rubber products	38.9	38.2	40.6	40.3	39.7	2.0	1.5	2.6	3.4	—
302	Rubber footwear	36.8	36.8	36.6	36.4	—	1.3	.2	1.3	1.1	—
307	Miscellaneous plastics products	39.6	39.3	40.2	40.3	39.9	2.5	2.8	3.2	3.3	—
31	LEATHER AND LEATHER PRODUCTS	38.2	38.2	38.4	37.9	37.5	2.1	2.1	2.0	2.1	—
311	Leather tanning and finishing	40.7	39.3	40.1	39.0	(*)	3.8	2.9	3.4	2.8	—
314	Footwear, except rubber	38.0	38.5	38.6	37.8	38.0	2.0	2.2	1.9	1.9	—
312,3,5-7,9	Other leather products	37.7	36.9	37.3	37.7	(*)	1.8	1.7	1.7	2.2	—
316	Luggage	36.7	36.0	36.8	36.4	—	1.2	1.3	2.1	1.8	—
317	Handbags and personal leather goods	39.0	38.3	37.3	37.7	—	2.4	2.5	1.7	2.5	—
TRANSPORTATION AND PUBLIC UTILITIES											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ² **	42.8	43.9	42.6	(*)	—	—	—	—	—	—
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	40.4	41.2	40.2	40.1	—	—	—	—	—	—
413	Intercity highway transportation	38.5	40.0	39.2	38.3	—	—	—	—	—	—
42	TRUCKING AND WAREHOUSING	40.2	40.1	40.3	40.7	—	—	—	—	—	—
421,3	Trucking and trucking terminals	40.2	40.1	40.4	40.8	—	—	—	—	—	—
422	Public warehousing	39.9	40.2	39.0	39.0	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	40.5	41.2	41.2	41.1	—	—	—	—	—	—
48	COMMUNICATION	38.7	39.1	38.6	38.7	—	—	—	—	—	—
481	Telephone communication	38.5	39.0	38.4	38.5	—	—	—	—	—	—
4817	Switchboard operating employees ³	33.9	34.6	33.5	33.5	—	—	—	—	—	—
4818	Line construction employees ⁴	43.1	43.7	41.7	42.1	—	—	—	—	—	—
482	Telegraph communication ⁵	41.1	41.4	(*)	(*)	—	—	—	—	—	—
483	Radio and television broadcasting	38.9	39.3	39.1	39.2	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p	June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$245.74	\$245.18	\$266.74	\$269.45	-	\$5.95	\$5.98	\$6.49	\$6.54	-
491	Electric companies and systems	250.47	250.91	266.56	270.52	-	6.05	6.09	6.47	6.55	-
492	Gas companies and systems	221.05	214.89	244.82	243.41	-	5.54	5.51	6.06	6.04	-
493	Combination companies and systems	272.39	275.52	302.22	307.42	-	6.47	6.56	7.30	7.39	-
494-8	Water, steam, and sanitary systems	202.03	204.82	217.15	219.03	-	4.88	4.90	5.22	5.24	-
-	WHOLESALE AND RETAIL TRADE	127.19	128.69	132.33	133.91	\$137.66	3.73	3.73	3.95	3.95	\$3.99
50	WHOLESALE TRADE	187.98	188.86	199.82	199.95	201.24	4.87	4.88	5.15	5.14	5.16
501	Motor vehicles and automotive equipment	171.65	173.84	181.96	185.55	-	4.39	4.39	4.63	4.63	-
502	Drugs, chemicals, and allied products	191.89	191.14	198.69	197.62	-	5.09	5.07	5.37	5.37	-
503	Dry goods and apparel	156.09	154.07	170.86	170.72	-	4.30	4.34	4.72	4.69	-
504	Groceries and related products	183.22	186.84	193.89	194.04	-	4.71	4.73	5.01	5.04	-
506	Electrical goods	203.81	198.97	220.70	220.18	-	5.07	5.05	5.49	5.45	-
507	Hardware, plumbing and heating equipment	175.34	177.33	191.28	190.02	-	4.59	4.63	4.93	4.91	-
508	Machinery, equipment, and supplies	206.96	208.28	219.30	218.65	-	5.20	5.22	5.51	5.48	-
509	Miscellaneous wholesalers	185.88	186.38	198.78	198.01	-	4.97	4.97	5.19	5.17	-
52-59	RETAIL TRADE	109.22	110.89	112.29	114.37	118.50	3.33	3.33	3.52	3.53	3.58
53	Retail general merchandise	101.41	104.32	104.72	106.36	-	3.24	3.26	3.40	3.42	-
531	Department stores	104.47	107.10	107.36	109.03	-	3.37	3.40	3.52	3.54	-
532	Mail order houses	135.12	137.69	141.79	142.21	-	4.07	4.11	4.22	4.22	-
533	Variety stores	79.95	83.52	83.46	85.71	-	2.63	2.66	2.81	2.81	-
54	Food stores	129.69	133.85	137.82	142.33	-	3.93	3.96	4.28	4.30	-
541-1	Grocery, meat, and vegetable stores	133.53	137.76	142.35	146.96	-	4.01	4.04	4.38	4.40	-
56	Apparel and accessory stores	92.11	93.93	95.68	97.60	-	3.02	3.03	3.20	3.20	-
561	Men's and boys' clothing and furnishings	117.10	119.46	122.18	123.77	-	3.57	3.62	3.83	3.82	-
562	Women's ready-to-wear stores	80.54	84.46	84.68	86.42	-	2.73	2.76	2.92	2.90	-
565	Family clothing stores	91.42	93.56	93.02	96.10	-	2.93	2.97	3.06	3.08	-
566	Shoe stores	91.42	89.06	95.04	96.98	-	3.12	3.05	3.30	3.31	-
57	Furniture and home furnishings stores	146.49	145.04	148.63	149.92	-	3.97	3.92	4.14	4.13	-
571	Furniture and home furnishings	148.43	147.29	153.19	154.40	-	3.99	3.97	4.22	4.23	-
58	Eating and drinking places ⁶	73.25	74.80	71.68	72.99	-	2.50	2.51	2.56	2.57	-
52,55,59	Other retail trade	136.53	137.64	142.30	144.26	-	3.69	3.69	3.92	3.92	-
52	Building materials and farm equipment	148.93	150.44	157.60	160.40	-	3.78	3.78	4.00	3.99	-
551,1	Motor vehicle dealers	181.83	182.22	193.55	194.83	-	4.58	4.59	4.90	4.92	-
553,1	Other automotive and accessory dealers	150.00	150.78	159.19	158.80	-	3.75	3.76	4.03	4.00	-
591	Drug stores and proprietary stores	99.19	101.76	103.02	105.77	-	3.21	3.19	3.40	3.39	-
594	Book and stationery stores	115.90	119.69	120.24	120.55	-	3.47	3.51	3.60	3.62	-
598	Fuel and ice dealers	169.42	167.11	176.17	173.71	-	4.30	4.22	4.46	4.42	-
	FINANCE, INSURANCE, AND REAL ESTATE⁷	151.84	150.33	160.01	158.41	161.48	4.16	4.13	4.36	4.34	4.40
60	Banking	130.30	128.15	135.42	133.95	-	3.56	3.54	3.70	3.68	-
61	Credit agencies other than banks	139.50	138.00	145.49	143.24	-	3.73	3.68	3.89	3.83	-
612	Savings and loan associations	137.64	135.42	142.45	139.47	-	3.70	3.65	3.85	3.79	-
62	Security, commodity brokers and services	270.23	269.56	290.29	(*)	-	7.13	7.15	7.54	(*)	-
63	Insurance carriers	160.21	159.04	169.34	167.24	-	4.33	4.31	4.54	4.52	-
631	Life insurance	158.61	158.61	166.13	163.16	-	4.31	4.31	4.49	4.47	-
632	Accident and health insurance	146.29	144.84	162.21	163.24	-	4.03	3.99	4.28	4.33	-
633	Fire, marine, and casualty insurance	165.31	163.37	173.63	171.58	-	4.42	4.38	4.63	4.60	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.3	41.0	41.1	41.2	—	—	—	—	—	
491	Electric companies and systems	41.4	41.2	41.2	41.3	—	—	—	—	—	
492	Gas companies and systems	39.9	39.0	40.4	40.3	—	—	—	—	—	
493	Combination companies and systems	42.1	42.0	41.4	41.6	—	—	—	—	—	
494-7	Water, steam, and sanitary systems	41.4	41.8	41.6	41.8	—	—	—	—	—	
	WHOLESALE AND RETAIL TRADE	34.1	34.5	33.5	33.9	34.5					
50	WHOLESALE TRADE	38.6	38.7	38.8	38.9	39.0	—	—	—	—	
501	Motor vehicles and automotive equipment	39.1	39.6	39.3	40.1	—	—	—	—	—	
502	Drugs, chemicals, and allied products	37.7	37.7	37.0	36.8	—	—	—	—	—	
503	Dry goods and apparel	36.3	35.5	36.2	36.4	—	—	—	—	—	
504	Groceries and related products	38.9	39.5	38.7	38.5	—	—	—	—	—	
506	Electrical goods	40.2	39.4	40.2	40.4	—	—	—	—	—	
507	Hardware; plumbing and heating equipment	38.2	38.3	38.8	38.7	—	—	—	—	—	
508	Machinery, equipment, and supplies	39.8	39.9	39.8	39.9	—	—	—	—	—	
509	Miscellaneous wholesalers	37.4	37.5	38.3	38.3	—	—	—	—	—	
52-59	RETAIL TRADE	32.8	33.3	31.9	32.4	33.1	—	—	—	—	
53	Retail general merchandise	31.3	32.0	30.8	31.1	—	—	—	—	—	
531	Department stores	31.0	31.5	30.5	30.8	—	—	—	—	—	
532	Mail order houses	33.2	33.5	33.6	33.7	—	—	—	—	—	
533	Variety stores	30.4	31.4	29.7	30.5	—	—	—	—	—	
54	Food stores	33.0	33.8	32.2	33.1	—	—	—	—	—	
541-3	Grocery, meat, and vegetable stores	33.3	34.1	32.5	33.4	—	—	—	—	—	
56	Apparel and accessory stores	30.5	31.0	29.9	30.5	—	—	—	—	—	
561	Men's and boys' clothing and furnishings	32.8	33.0	31.9	32.4	—	—	—	—	—	
562	Women's ready-to-wear stores	29.5	30.6	29.0	29.8	—	—	—	—	—	
565	Family clothing stores	31.2	31.5	30.4	31.2	—	—	—	—	—	
566	Shoe stores	29.3	29.2	28.8	29.3	—	—	—	—	—	
57	Furniture and home furnishings stores	36.9	37.0	35.9	36.3	—	—	—	—	—	
571	Furniture and home furnishings	37.2	37.1	36.3	36.5	—	—	—	—	—	
58	Eating and drinking places ⁶	29.3	29.8	28.0	28.4	—	—	—	—	—	
52,55,59	Other retail trade	37.0	37.3	36.3	36.8	—	—	—	—	—	
52	Building materials and farm equipment	39.4	39.8	39.4	40.2	—	—	—	—	—	
551,2	Motor vehicle dealers	39.7	39.7	39.5	39.6	—	—	—	—	—	
553,9	Other automotive and accessory dealers	40.0	40.1	39.5	39.7	—	—	—	—	—	
591	Drug stores and proprietary stores	30.9	31.9	30.3	31.2	—	—	—	—	—	
594	Book and stationery stores	33.4	34.1	33.4	33.3	—	—	—	—	—	
598	Fuel and ice dealers	39.4	39.6	39.5	39.3	—	—	—	—	—	
	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.5	36.4	36.7	36.5	36.7	—	—	—	—	
60	Banking	36.6	36.2	36.6	36.4	—	—	—	—	—	
61	Credit agencies other than banks	37.4	37.5	37.4	37.4	—	—	—	—	—	
612	Savings and loan associations	37.2	37.1	37.0	36.8	—	—	—	—	—	
62	Security, commodity brokers and services	37.9	37.7	38.5	(*)	—	—	—	—	—	
63	Insurance carriers	37.0	36.9	37.3	37.0	—	—	—	—	—	
631	Life insurance	36.8	36.8	37.0	36.5	—	—	—	—	—	
632	Accident and health insurance	36.3	36.3	37.9	37.7	—	—	—	—	—	
633	Fire, marine, and casualty insurance	37.4	37.3	37.5	37.3	—	—	—	—	—	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers ¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p	June 1975	July 1975	May 1976	June 1976 ^p	July 1976 ^p
	SERVICES	\$ 137.08	\$ 138.23	\$ 144.96	\$ 145.15	\$ 146.54	\$ 4.02	\$ 4.03	\$ 4.34	\$ 4.32	\$ 4.31
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	89.19	89.65	96.28	96.64	-	2.77	2.75	2.99	3.02	-
	Personal services:										
721	Laundries and dry cleaning plants	106.25	106.96	113.72	114.43	-	3.01	3.03	3.24	3.26	-
722	Photographic studios	103.35	101.12	116.62	115.88	-	3.18	3.17	3.44	3.48	-
	Motion pictures:										
781	Motion picture filming and distributing ...	244.72	257.67	259.10	263.81	-	6.44	6.59	6.51	6.53	-
806	Hospitals	129.00	132.55	140.83	143.94	-	3.75	3.82	4.13	4.16	-

¹ For coverage of series, see footnote 1, table B-2.

² Beginning January 1965, data relate to line haul railroads with operating revenues of \$5,000,000 or more.

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1975, such employees made up 30 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft

persons; and laborers. In 1975, such employees made up 47 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

⁷ Data for nonoffice sales agents excluded from all series in this division.

* Not available.

^p Preliminary.

** Class I railroads SIC 4011—Revised data for March 1976 are: \$291.72 \$6.63, and 44.0. Data for April 1976 are: \$303.21, \$6.86, and 44.2.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		June 1975	July 1975	May 1976	June 1976P	July 1976P	June 1975	July 1975	May 1976	June 1976P	July 1976P
	SERVICES	34.1	34.3	33.4	33.6	34.0					
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	32.2	32.6	32.2	32.0						
	Personal services:										
721	Laundries and dry cleaning plants	35.3	35.3	35.1	35.1	—	—	—	—	—	
722	Photographic studios	32.5	31.9	33.9	33.3	—	—	—	—	—	
	Motion pictures:										
781	Motion picture filming and distributing ...	38.0	39.1	39.8	40.4	—	—	—	—	—	
806	Hospitals	34.4	34.7	34.1	34.6	—	—	—	—	—	

¹ As noted on page 7 of the January 1972 issue of this magazine, the series does not include earned pay withheld as a consequence of delays caused by the wage freeze in effect between August 15 and November 14, 1971, and by administrative procedures of the Pay Board. These delays resulted from compliance with the Government's Economic Stabilization Program. Because these withheld payments were substantial and fell due under a significant number of new labor-management contracts in that industry, they affected a large proportion

of SIC 372.

The series shown below include these payments as well as an additional 17 cents delayed payment for employees in a number of companies which had been pending as a consequence of litigation.

These payments were due under labor-management contracts the last of which expired in November 1973.

Average hourly earnings September 1971–November 1973 (revised to March 1974 benchmarks)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
SIC 372													
1971	\$4.36	—	—	—	—	—	—	—	—	\$4.42	\$4.46	\$4.51	\$4.62
1972	4.74	\$4.60	\$4.60	\$4.64	\$4.70	\$4.71	\$4.72	\$4.71	\$4.79	4.80	4.83	4.87	4.93
1973	5.02	4.90	4.91	4.92	4.92	4.94	4.96	4.98	5.05	5.06	5.12	5.15	—
SIC 3721													
1971	4.42	—	—	—	—	—	—	—	—	4.51	4.56	4.63	4.73
1972	4.85	4.72	4.68	4.74	4.83	4.82	4.83	4.79	4.89	4.90	4.94	4.99	5.04
1973	5.13	5.00	5.04	5.05	5.03	5.08	—	—	—	—	—	—	—
SIC 3722													
1971	4.38	—	—	—	—	—	—	—	—	4.38	4.43	4.48	4.64
1972	4.76	4.61	4.64	4.65	4.66	4.70	4.71	4.77	4.82	4.83	4.85	4.87	5.01
1973	5.06	4.95	4.95	4.96	—	—	—	—	—	—	—	—	—
SIC 3723, 9													
1971	4.17	—	—	—	—	—	—	—	—	4.24	4.24	4.24	4.33
1972	4.44	4.28	4.33	4.38	4.40	4.45	4.46	4.45	4.47	4.50	4.50	4.54	4.56
1973	4.68	4.56	4.53	4.58	4.60	4.59	4.64	4.68	4.71	4.74	4.78	4.84	—

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

[Employment in thousands—includes both supervisory and nonsupervisory employees]

Item	1974												1975
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Executive Branch													
Total employment	2,616.5	2,638.7	2,647.1	2,664.1	2,677.3	2,710.4	2,737.8	2,713.7	2,680.8	2,673.1	2,676.5	2,711.0	2,663.9
Average weekly hours	(*) 39.3	39.6	39.5	39.2	39.3	(*)	(*)	39.5	39.6	(*)	40.8	(*)	(*)
Average overtime hours	(*)	1.0	1.2	1.0	1.0	1.1	(*)	(*)	1.1	1.2	(*)	2.4	(*)
Indexes (1967=100):													
Average weekly earnings	(*) 167.7	168.4	170.2	169.1	171.7	(*)	(*)	172.3	173.6	(*)	190.3	(*)	(*)
Average hourly earnings	(*) 168.1	167.6	169.7	170.0	172.2	(*)	(*)	171.9	172.7	(*)	183.8	(*)	(*)
Department of Defense													
Total employment	946.2	950.2	953.3	958.2	966.4	988.4	990.3	977.8	962.9	959.7	960.0	957.8	953.1
Average weekly hours	(*) 39.8	40.0	40.0	39.9	39.9	(*)	(*)	39.9	40.1	(*)	40.1	(*)	(*)
Average overtime hours	(*) .7	.9	.7	.8	.9	(*)	(*)	.8	.8	(*)	.8	(*)	(*)
Indexes (1967=100):													
Average weekly earnings	(*) 164.7	164.2	170.4	166.5	172.9	(*)	(*)	164.8	167.0	(*)	175.7	(*)	(*)
Average hourly earnings	(*) 166.8	165.4	171.7	168.1	174.7	(*)	(*)	166.5	167.8	(*)	176.6	(*)	(*)
Postal service													
Total employment	704.5	704.2	702.0	702.7	701.7	704.4	703.9	701.8	697.0	695.7	700.7	740.5	697.4
Average weekly hours	(*) 39.4	39.7	39.4	38.8	38.8	(*)	(*)	39.8	40.6	(*)	45.1	(*)	(*)
Average overtime hours	(*) 1.3	1.6	1.4	.9	.9	(*)	(*)	1.4	1.9	(*)	6.7	(*)	(*)
Indexes (1967=100):													
Average weekly earnings	(*) 180.5	182.8	181.1	183.6	183.3	(*)	(*)	195.8	201.1	(*)	243.6	(*)	(*)
Average hourly earnings	(*) 176.8	177.7	177.4	182.6	182.3	(*)	(*)	189.9	191.2	(*)	208.5	(*)	(*)
Other agencies													
Total employment	965.8	984.3	991.8	1,003.2	1,009.2	1,017.6	1,043.6	1,034.1	1,020.9	1,017.7	1,015.8	1,012.7	1,013.4
Average weekly hours	(*) 38.9	39.1	39.0	38.8	39.0	(*)	(*)	38.9	38.5	(*)	38.5	(*)	(*)
Average overtime hours	(*) 1.1	1.1	1.1	1.2	1.4	(*)	(*)	1.3	1.1	(*)	.8	(*)	(*)
Indexes (1967=100):													
Average weekly earnings	(*) 164.5	164.9	164.5	164.1	164.0	(*)	(*)	166.3	164.8	(*)	174.1	(*)	(*)
Average hourly earnings	(*) 164.1	163.6	163.6	164.1	163.1	(*)	(*)	165.8	166.1	(*)	175.5	(*)	(*)

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of the executive branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these = Not available.

averages relate to hours and earnings of all workers, both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

C-4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
MANUFACTURING	\$4.63	\$4.65	\$4.93	\$4.96	\$4.98
DURABLE GOODS	4.95	4.98	5.28	5.31	5.32
Ordnance and accessories	5.01	5.08	5.50	5.45	-
Lumber and wood products	4.09	4.15	4.41	4.55	-
Furniture and fixtures	3.65	3.67	3.83	3.85	-
Stone, clay, and glass products	4.66	4.71	5.00	5.03	-
Primary metal industries	5.89	5.93	6.46	6.48	-
Fabricated metal products	4.88	4.89	5.19	5.21	-
Machinery, except electrical	5.15	5.17	5.49	5.51	-
Electrical equipment and supplies	4.49	4.52	4.69	4.70	-
Transportation equipment	5.77	5.78	6.16	6.17	-
Instruments and related products	4.45	4.47	4.66	4.68	-
Miscellaneous manufacturing industries	3.70	3.72	3.89	3.89	-
NONDURABLE GOODS	4.18	4.21	4.42	4.45	4.51
Food and kindred products	4.34	4.33	4.69	4.71	-
Tobacco manufactures	4.72	4.51	5.04	5.13	-
Textile mill products	3.22	3.22	3.42	3.43	-
Apparel and other textile products	3.11	3.12	3.32	3.34	-
Paper and allied products	4.73	4.80	5.03	5.10	-
Printing and publishing	(²)	(²)	(²)	(²)	-
Chemicals and allied products	5.19	5.23	5.58	5.61	-
Petroleum and coal products	6.15	6.25	6.85	6.82	-
Rubber and plastics products, nec	4.19	4.27	4.19	4.19	-
Leather and leather products	3.13	3.13	3.33	3.34	-

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

^P = preliminary.

² Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry division, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	June 1975	May 1976	June 1976P	June 1975	May 1976	June 1976P	June 1975	May 1976	June 1976P
TOTAL PRIVATE:									
Current dollars	\$163.71	\$174.00	\$176.18	\$133.60	\$142.25	\$143.82	\$147.97	\$154.76	\$156.42
1967 dollars	101.94	102.84	103.57	83.19	84.07	84.55	92.14	91.47	91.96
MINING:									
Current dollars	250.65	269.88	269.86	195.99	211.97	211.96	213.38	227.60	227.59
1967 dollars	156.07	159.50	158.65	122.04	125.28	124.61	132.86	134.52	133.80
CONTRACT CONSTRUCTION:									
Current dollars	262.07	283.09	288.42	204.27	221.41	225.22	222.16	237.67	241.71
1967 dollars	163.18	167.31	169.56	127.19	130.86	132.40	138.33	140.47	142.10
MANUFACTURING:									
Current dollars	188.81	205.82	208.06	150.81	165.22	166.89	166.75	178.69	180.38
1967 dollars	117.57	121.64	122.32	93.90	97.65	98.11	103.83	105.61	106.04
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	231.45	252.41	255.67	181.97	199.49	201.82	198.33	214.09	216.61
1967 dollars	144.12	149.18	150.31	113.31	117.90	118.65	123.49	126.53	127.34
WHOLESALE AND RETAIL TRADE:									
Current dollars	127.19	132.33	133.91	106.89	111.29	111.47	119.75	124.49	125.58
1967 dollars	79.20	78.21	78.72	66.56	65.77	66.12	74.56	73.58	73.83
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	151.84	160.01	158.41	124.92	132.09	130.89	139.06	143.97	142.73
1967 dollars	94.55	94.57	93.13	77.78	78.07	76.95	86.59	85.09	83.91
SERVICES:									
Current dollars	137.08	144.96	145.15	114.12	120.78	120.92	129.06	133.13	133.26
1967 dollars	85.35	85.67	85.33	71.06	71.38	71.09	80.36	78.68	78.34
CONSUMER PRICE INDEX (All items, 1967 = 100) . . .	160.6	169.2	170.1	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group

[1967 = 100]

Industry division and group	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
	Hours				
TOTAL	108.2	108.5	110.5	112.8	112.6
GOODS-PRODUCING	91.2	90.0	95.5	97.9	95.5
MINING	122.8	121.7	124.9	129.5	130.5
CONTRACT CONSTRUCTION	102.1	106.1	97.8	104.1	105.8
MANUFACTURING	88.2	86.1	94.1	95.8	92.4
DURABLE GOODS	86.9	83.8	93.6	95.3	90.9
Ordnance and accessories	46.5	44.0	39.9	40.4	39.2
Lumber and wood products	90.9	89.5	97.3	102.0	98.5
Furniture and fixtures	89.0	86.0	102.9	104.5	100.1
Stone, clay, and glass products	95.6	95.4	100.0	102.8	102.3
Primary metal industries	82.6	79.7	88.1	91.0	89.4
Fabricated metal products	90.3	85.2	98.1	99.8	94.3
Machinery, except electrical	92.4	87.9	94.1	95.0	91.9
Electrical equipment and supplies	82.6	79.5	91.1	92.6	88.0
Transportation equipment	83.1	80.7	93.6	94.2	84.4
Instruments and related products	97.9	96.3	109.0	110.5	108.8
Miscellaneous manufacturing	88.1	85.2	94.6	96.1	90.3
NONDURABLE GOODS	90.2	89.6	94.7	96.4	94.7
Food and kindred products	92.4	96.4	91.4	95.6	100.1
Tobacco manufactures	76.9	71.5	73.5	74.1	70.2
Textile mill products	89.3	86.9	99.0	100.2	97.7
Apparel and other textile products	83.5	80.9	91.4	92.5	85.7
Paper and allied products	88.0	87.5	96.2	98.1	95.6
Printing and publishing	91.7	90.2	92.9	92.8	91.9
Chemicals and allied products	94.1	93.2	99.2	100.0	99.3
Petroleum and coal products	109.0	112.6	113.8	116.6	117.8
Rubber and plastics products, nec	107.1	104.8	106.2	108.6	104.7
Leather and leather products	73.1	70.3	80.3	80.1	74.4
SERVICE-PRODUCING	119.9	121.2	121.0	123.2	124.4
TRANSPORTATION AND PUBLIC UTILITIES	102.4	102.5	101.1	102.8	103.7
WHOLESALE AND RETAIL TRADE	115.5	117.3	116.4	118.8	120.2
WHOLESALE TRADE	111.6	112.3	113.3	115.1	115.8
RETAIL TRADE	117.0	119.2	117.6	120.1	121.8
FINANCE, INSURANCE, AND REAL ESTATE	124.7	125.0	125.8	127.7	129.2
SERVICES	132.6	134.2	134.9	137.2	138.3

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry division and major manufacturing group—Continued**

[1967 = 100]

Industry division and group	June 1975	July 1975	May 1976	June 1976 ^P	July 1976 ^P
	Payrolls				
TOTAL	182.3	183.4	199.1	203.8	204.0
GOODS-PRODUCING	157.1	156.7	174.8	180.6	177.3
MINING	126.0	224.6	248.8	256.8	260.3
CONTRACT CONSTRUCTION	178.3	186.9	181.0	192.8	197.4
MANUFACTURING	149.0	146.4	170.4	174.5	168.9
DURABLE GOODS	147.6	143.1	171.2	175.4	167.0
Ordnance and accessories	75.6	72.2	70.8	71.4	69.7
Lumber and wood products	163.5	163.2	189.6	204.9	196.2
Furniture and fixtures	142.4	138.1	173.6	177.5	169.8
Stone, clay, and glass products	165.2	166.9	186.5	192.9	194.0
Primary metal industries	150.2	145.9	177.6	184.3	181.3
Fabricated metal products	152.5	144.2	177.9	182.2	170.9
Machinery, except electrical	154.2	146.8	167.9	170.2	165.5
Electrical equipment and supplies	136.5	132.3	158.4	161.3	154.9
Transportation equipment	144.2	140.8	176.6	178.8	158.9
Instruments and related products	156.0	154.0	184.1	187.1	186.0
Miscellaneous manufacturing	141.8	137.5	160.7	163.5	153.5
NONDURABLE GOODS	151.4	152.0	168.9	173.1	172.2
Food and kindred products	159.1	166.3	169.8	178.8	188.3
Tobacco manufactures	165.6	145.7	166.2	170.6	156.9
Textile mill products	145.0	141.1	171.8	174.9	175.4
Apparel and other textile products	130.0	125.9	152.1	154.9	142.0
Paper and allied products	151.9	153.8	177.9	184.0	182.3
Printing and publishing	149.6	148.9	160.6	159.9	158.9
Chemicals and allied products	162.2	162.6	185.2	187.9	188.9
Petroleum and coal products	194.3	205.1	226.2	232.3	235.3
Rubber and plastics products, nec	168.8	168.8	168.5	172.8	167.8
Leather and leather products	113.6	109.4	132.7	132.9	122.7
SERVICE-PRODUCING	203.9	206.3	220.0	223.7	227.0
TRANSPORTATION AND PUBLIC UTILITIES	184.5	186.9	199.7	204.6	206.4
WHOLESALE AND RETAIL TRADE	192.1	195.1	205.0	209.0	213.8
WHOLESALE TRADE	188.9	190.5	202.9	205.4	207.5
RETAIL TRADE	193.8	197.5	206.1	210.9	217.1
FINANCE, INSURANCE, AND REAL ESTATE	200.8	199.7	212.4	214.6	220.1
SERVICES	233.2	236.0	255.7	258.9	260.4

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

C-7. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

Industry	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
TOTAL PRIVATE	36.0	36.2	36.1	36.2	36.3	36.4	36.5	36.4	36.2	36.1	36.2	36.1	36.2
MINING	42.1	41.8	42.1	42.7	42.9	42.8	43.0	43.1	42.8	42.6	42.5	42.2	42.4
CONTRACT CONSTRUCTION	36.2	36.7	36.7	36.6	36.8	37.3	37.7	37.9	35.9	37.5	37.2	37.1	36.6
MANUFACTURING	39.4	39.7	39.8	39.8	39.9	40.3	40.5	40.3	40.2	39.4	40.2	40.2	40.1
<i>Overtime hours</i>	2.6	2.8	2.8	2.8	2.8	3.0	3.0	3.1	3.2	2.5	3.2	3.1	3.1
DURABLE GOODS	39.8	40.2	40.2	40.0	40.2	40.7	40.9	40.7	40.6	39.7	40.9	40.7	40.6
<i>Overtime hours</i>	2.5	2.7	2.7	2.6	2.7	2.9	2.9	3.0	3.1	2.5	3.3	3.2	3.2
Guidance and accessories	40.1	41.2	41.7	41.6	41.7	41.3	41.4	40.7	40.8	39.6	40.8	41.1	41.1
Lumber and wood products	39.1	39.5	39.6	39.8	39.4	40.2	40.8	40.5	39.9	40.0	40.1	39.9	39.4
Furniture and fixtures	37.8	38.3	38.9	38.9	39.1	39.5	39.4	39.3	39.0	38.4	38.9	38.5	38.8
Stone, clay, and glass products	40.6	40.7	40.8	40.8	40.9	41.3	41.5	41.4	40.7	41.0	41.3	41.2	41.3
Primary metal industries	39.7	39.9	39.9	39.9	40.2	40.3	40.4	40.6	40.5	40.4	40.9	41.2	41.4
Fabricated metal products	39.5	40.0	40.2	40.4	40.5	41.1	41.0	41.0	40.9	39.6	40.9	40.8	40.6
Machinery, except electrical	40.5	40.8	40.7	40.6	40.9	41.2	41.3	41.2	41.0	40.2	41.1	41.1	41.4
Electrical equipment and supplies	39.5	39.6	39.6	39.6	39.6	40.1	40.4	40.2	40.1	39.2	40.2	40.0	40.0
Transportation equipment	40.7	41.2	40.9	40.4	40.8	41.9	41.7	41.6	42.1	40.6	42.2	42.2	41.1
Instruments and related products	39.7	39.5	39.7	39.7	39.9	40.3	40.4	40.2	40.5	39.6	40.8	40.6	40.9
Miscellaneous manufacturing, Ind.	38.1	38.2	38.7	38.8	38.6	39.2	39.1	38.7	38.8	38.0	38.7	38.6	38.5
NONDURABLE GOODS	38.8	39.3	39.4	39.5	39.5	39.7	39.9	39.7	39.5	38.7	39.5	39.3	39.2
<i>Overtime hours</i>	2.8	2.9	3.0	3.0	3.0	3.2	3.3	3.1	3.2	2.6	3.1	2.9	3.0
Food and kindred products	40.1	40.7	40.9	40.6	40.4	40.5	40.7	40.5	40.2	40.0	40.2	40.2	40.2
Tobacco manufactures	35.4	37.6	38.0	37.5	39.7	37.7	39.1	39.5	39.3	39.0	38.4	38.6	34.8
Textile mill products	39.6	40.4	40.9	41.0	41.0	41.2	41.4	40.9	40.7	39.0	40.7	40.3	40.4
Apparel and other textile products	35.2	35.5	36.0	36.2	36.1	36.6	36.6	36.3	36.2	34.9	35.9	36.0	35.4
Paper and allied products	41.6	42.1	42.2	42.3	42.4	42.9	42.7	42.7	42.5	41.8	42.8	42.6	42.3
Printing and publishing	36.7	37.1	36.9	37.0	37.3	37.6	37.8	37.5	37.4	37.1	37.5	37.4	37.6
Chemicals and allied products	40.9	41.1	41.3	41.4	41.4	41.7	41.6	41.7	41.5	41.5	41.6	41.3	41.6
Petroleum and coal products	41.3	41.0	41.6	41.8	42.0	41.8	42.5	42.4	42.4	42.2	42.2	42.1	42.1
Rubber and plastics products, nec	40.0	40.1	40.1	40.0	40.0	40.6	40.9	40.9	41.0	39.4	40.7	40.4	40.5
Leather and leather products	37.8	38.0	38.4	38.9	38.4	38.7	38.6	38.4	38.6	37.5	38.1	37.2	37.1
TRANSPORTATION AND PUBLIC UTILITIES	39.4	39.5	39.7	39.7	39.6	39.9	39.6	39.8	39.9	40.0	39.6	39.5	39.6
WHOLESALE AND RETAIL TRADE	33.6	33.8	33.6	33.9	33.8	33.9	33.9	33.9	33.7	33.9	33.8	33.6	33.6
WHOLESALE TRADE	38.5	38.6	38.5	38.8	38.7	38.8	38.9	38.8	38.7	38.9	38.9	38.7	38.8
RETAIL TRADE	32.2	32.3	32.2	32.3	32.5	32.4	32.5	32.3	32.2	32.5	32.3	32.0	32.0
FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.3	36.3	36.4	36.7	36.4	36.5	36.7	36.5	36.6	36.8	36.5	36.6
SERVICES	33.7	33.8	33.6	33.7	33.9	33.6	33.7	33.7	33.5	33.5	33.7	33.4	33.4

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

C-8. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^p	July ^p
	Average hourly earnings												
TOTAL PRIVATE	\$ 4.54	\$ 4.57	\$ 4.60	\$ 4.63	\$ 4.68	\$ 4.68	\$ 4.73	\$ 4.75	\$ 4.77	\$ 4.78	\$ 4.83	\$ 4.84	\$ 4.86
MINING	5.92	5.97	6.01	6.08	6.10	6.11	6.19	6.26	6.30	6.30	6.36	6.35	6.40
CONTRACT CONSTRUCTION	7.33	7.30	7.32	7.32	7.41	7.46	7.46	7.46	7.59	7.56	7.65	7.70	7.76
MANUFACTURING	4.82	4.86	4.88	4.90	4.93	4.96	5.00	5.04	5.08	5.06	5.13	5.16	5.19
TRANSPORTATION AND PUBLIC UTILITIES	5.90	6.05	6.04	6.12	6.17	6.17	6.22	6.29	6.33	6.37	6.44	6.49	6.44
WHOLESALE AND RETAIL TRADE	3.74	3.78	3.79	3.82	3.84	3.84	3.87	3.88	3.90	3.91	3.94	3.95	4.01
FINANCE, INSURANCE, AND REAL ESTATE	4.14	4.18	4.16	4.18	4.26	4.22	4.24	4.30	4.30	4.33	4.36	4.36	4.41
SERVICES	4.06	4.08	4.10	4.15	4.22	4.22	4.25	4.27	4.27	4.30	4.34	4.34	4.34
	Average weekly earnings												
TOTAL PRIVATE:													
Current dollars	163.44	165.43	166.06	167.61	169.88	170.35	172.65	172.90	172.67	172.56	174.85	174.72	175.93
1967 dollars	100.76	101.62	101.57	101.89	102.65	102.37	103.32	103.35	103.03	102.53	103.28	102.72	-
Real spendable earnings (worker and 3 dependents, 1967 dollars)	91.10	91.71	91.63	91.81	92.30	92.02	91.99	92.00	91.72	91.30	91.80	91.31	-

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

[1967 = 100]

Industry division and group	1975						1976						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June ^P	July ^P
TOTAL	106.2	107.4	107.9	108.4	108.8	109.3	110.3	110.5	110.2	110.7	111.2	110.5	110.5
GOODS-PRODUCING	89.3	91.2	92.4	92.7	92.9	94.3	95.5	95.2	94.8	94.5	96.0	95.4	95.0
MINING	118.8	118.6	119.9	125.0	124.7	125.7	125.2	124.4	124.8	124.9	124.4	125.0	127.5
CONTRACT CONSTRUCTION	96.2	98.3	98.6	97.3	97.7	98.8	100.3	98.8	93.4	98.8	97.8	96.7	95.9
MANUFACTURING	87.1	89.0	90.3	90.8	90.9	92.5	93.7	93.6	94.0	92.7	94.7	94.2	93.8
DURABLE GOODS	84.9	86.7	87.7	87.8	88.1	90.0	91.3	91.3	92.0	91.0	93.6	93.4	92.7
Ordnance and accessories	44.7	43.7	43.0	42.9	40.8	41.5	41.6	40.9	41.0	40.3	41.0	40.7	40.2
Lumber and wood products	86.7	88.8	90.1	92.1	90.8	93.4	97.0	96.4	95.2	95.8	96.4	96.2	95.3
Furniture and fixtures	88.7	92.6	97.4	97.9	99.2	101.0	101.5	103.1	102.8	102.5	104.8	102.5	103.0
Stone, clay, and glass products	93.1	94.5	95.7	95.7	96.2	97.1	97.6	96.7	95.7	98.0	99.1	99.1	99.9
Primary metal industries	80.0	81.7	83.5	81.9	82.3	83.6	84.1	84.9	85.3	85.8	87.4	88.9	89.9
Fabricated metal products	86.7	90.9	92.0	92.8	92.7	94.6	95.7	96.6	97.3	95.0	98.3	97.8	96.0
Machinery, except electrical	90.4	91.0	91.8	91.9	92.0	92.5	93.4	93.2	93.3	91.6	94.3	94.0	94.3
Electrical equipment and supplies	81.6	84.3	84.9	85.8	85.5	87.5	89.0	89.2	90.3	89.2	91.9	91.5	90.3
Transportation equipment	82.0	82.9	82.2	81.5	83.1	87.3	89.0	88.2	90.8	88.5	82.3	92.3	89.3
Instruments and related products	98.1	97.2	99.4	100.8	101.7	103.4	105.0	105.2	106.3	105.7	109.9	109.4	110.9
Miscellaneous manufacturing, Ind.	87.7	89.0	91.4	91.3	90.8	91.7	94.4	94.3	95.1	92.9	95.7	94.9	92.9
NONDURABLE GOODS	90.2	92.4	94.1	95.1	95.0	96.2	97.1	96.9	96.9	95.3	96.2	95.4	95.3
Food and kindred products	93.4	96.1	96.9	96.5	95.1	95.4	96.9	97.3	95.5	95.9	96.7	96.3	96.9
Tobacco manufactures	80.8	85.8	88.1	85.6	93.4	87.4	90.6	88.8	85.6	84.9	83.6	82.7	79.4
Textile mill products	88.5	93.0	96.4	98.1	98.0	99.1	99.7	99.0	98.6	95.2	99.5	97.7	99.6
Apparel and other textile products	84.6	85.3	87.8	90.0	90.1	92.1	93.1	91.8	92.6	88.9	91.2	91.4	89.6
Paper and allied products	87.6	89.6	91.3	92.0	92.6	94.7	95.2	95.8	95.9	95.0	97.9	96.5	95.4
Printing and publishing	90.9	92.4	91.9	91.8	92.4	93.5	93.4	92.5	92.7	92.1	93.4	92.5	92.7
Chemicals and allied products	93.0	94.5	96.1	97.4	97.6	98.1	98.5	99.4	99.1	99.5	99.5	98.5	99.2
Petroleum and coal products	107.2	107.3	108.9	110.2	111.6	111.1	113.8	114.4	114.4	114.8	113.9	112.8	111.9
Rubber and plastics products, nec	106.9	110.6	113.0	114.7	113.5	116.2	118.8	119.3	121.8	118.5	107.8	106.8	107.0
Leather and leather products	71.4	72.1	74.9	77.2	77.2	78.1	79.3	78.9	79.9	78.3	79.2	76.4	75.5
SERVICE-PRODUCING	118.0	118.7	118.7	119.3	119.8	119.7	120.6	121.0	120.9	121.9	121.7	120.9	121.3
TRANSPORTATION AND PUBLIC UTILITIES	100.3	100.5	101.1	101.2	101.5	101.7	101.5	102.7	102.5	102.9	101.4	101.0	101.4
WHOLESALE AND RETAIL TRADE	114.0	114.6	114.6	115.1	115.2	115.5	116.8	116.8	116.8	118.2	117.7	116.8	117.3
WHOLESALE TRADE	110.8	111.0	111.3	112.0	111.5	112.3	113.4	113.6	113.2	114.3	114.5	113.7	114.2
RETAIL TRADE	115.2	115.9	115.8	116.2	116.6	116.6	118.1	118.0	118.1	119.7	118.9	117.9	118.5
FINANCE, INSURANCE, AND REAL ESTATE	122.3	122.9	123.5	123.7	125.1	124.5	125.1	125.8	125.5	126.1	126.2	126.0	126.5
SERVICES	130.4	131.4	131.1	132.0	133.1	132.3	133.3	133.9	133.7	134.3	135.3	134.2	134.3

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

C-10. Hours of wage and salary workers¹ in nonagricultural establishments, by industry division

Industry division	Annual rate Millions of hours ²			Percent change ³		
	MAY 1976	JUNE 1976p	JULY 1976p	July 1975 to July 1976	May 1976 to June 1976	June 1976 to July 1976
	TOTAL - ALL INDUSTRIES	150,954	150,081	150,798	3.7	- 6.7	5.9
TOTAL - PRIVATE	121,409	120,634	120,788	3.7	- 7.4	1.5
MINING	1,708	1,712	1,742	7.1	2.3	23.4
CONTRACT CONSTRUCTION	6,550	6,472	6,395	0.1	-13.3	-13.5
MANUFACTURING	39,515	39,320	39,232	5.9	- 5.8	- 2.6
TRANSPORTATION AND PUBLIC UTILITIES	9,262	9,216	9,258	1.2	- 5.8	5.6
WHOLESALE AND RETAIL TRADE	30,753	30,522	30,656	2.9	- 8.7	5.4
FINANCE, INSURANCE, AND REAL ESTATE	8,186	8,161	8,193	3.3	- 3.6	4.8
SERVICES	25,434	25,230	25,312	3.2	- 9.2	4.0
GOVERNMENT	29,545	29,447	30,009	3.9	- 3.9	25.5

¹ Data refer to hours paid for all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Surveys and Studies—Chapter 25. Output Per Man-Hour Measures, Private Economy.*

² "Annual rate" refers to total hours for 1 week in the month, seasonally adjusted, and expressed as an annual equivalent.

³ Percent change compounded at annual rates.
p = preliminary.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**C-11. Indexes of output and compensation per hour, unit costs, and prices,
private business sector, seasonally adjusted**

[1967 = 100]

Item	Annual average		Quarterly indexes										
	1974	1975	1973	1974				1975				1976	
			IV	I	II	III	IV	I	II	III	IV	I	II
Private business sector:													
Output per hour of all persons	109.2r	110.7r	112.4r	110.5r	109.4r	108.7r	107.6r	108.0r	111.3r	113.6r	113.2r	115.2r	116.2p
Output	120.8r	117.3r	125.0r	123.0r	121.8r	120.6r	117.6r	114.2r	116.7r	120.1r	121.1r	124.1r	125.8p
Hours	110.6r	105.9r	111.3r	111.3r	111.3r	110.9r	109.3r	105.7r	104.8r	105.7r	107.1r	107.7r	108.2p
Compensation per hour	164.3r	180.2r	154.1r	157.1r	161.8r	166.7r	170.7r	176.0r	179.0r	181.3r	185.0r	189.8r	193.2p
Real compensation per hour													
hour	111.2r	111.8r	112.1r	110.9r	111.3r	111.3r	110.7r	112.0r	112.2r	111.3r	111.8r	113.4r	114.2p
Unit labor costs	150.4r	162.7r	137.1r	142.2r	147.9r	153.4r	158.6r	162.9r	160.8r	159.6r	163.5r	164.7r	166.2p
Unit nonlabor payments	131.1r	149.6r	129.5r	128.4r	129.4r	132.0r	135.0r	138.6r	146.6r	156.2r	156.2r	156.1r	158.9p
Implicit price deflator	143.8r	158.2r	134.5r	137.5r	141.6r	146.0r	150.5r	154.6r	155.9r	158.4r	160.9r	161.8r	163.7p
Nonfarm business sector:													
Output per hour of all persons	107.4r	108.7r	110.5r	109.2r	107.6r	106.7r	105.6r	106.0r	109.2r	111.6r	111.0r	112.6r	N.A.
Output	121.1r	117.2r	125.3r	123.2r	122.1r	120.9r	117.8r	114.3r	116.5r	119.9r	121.5r	124.3r	N.A.
Hours	112.7r	107.9r	113.4r	113.2r	113.5r	113.3r	111.5r	107.9r	106.7r	107.4r	109.2r	110.4r	N.A.
Compensation per hour	162.0r	177.7r	151.9r	155.3r	159.6r	164.0r	168.3r	173.1r	176.4r	179.3r	182.2r	186.4r	N.A.
Real compensation per hour													
hour	109.7r	110.2r	110.5r	109.7r	109.7r	109.5r	109.2r	110.1r	110.5r	110.1r	110.1r	111.4r	N.A.
Unit labor costs	150.8r	163.5r	137.5r	142.2r	148.4r	153.7r	159.3r	163.3r	161.6r	160.7r	164.2r	165.6r	N.A.
Unit nonlabor payments	125.2r	144.8r	120.5r	120.3r	124.2r	127.0r	129.8r	136.1r	142.3r	150.0r	150.1r	152.4r	N.A.
Implicit price deflator	142.1r	157.1r	131.7r	134.7r	140.1r	144.6r	149.2r	154.0r	155.0r	157.0r	159.4r	161.1r	N.A.
Manufacturing:													
Output per hour of all persons	114.7r	114.9r	117.9r	114.7r	115.5r	115.4r	112.6r	109.0r	113.1r	118.6r	119.4r	120.9r	123.2p
Output	116.8r	106.3r	123.1r	119.0r	118.5r	118.5r	111.5r	100.8r	102.7r	109.5r	112.6r	116.5r	118.6p
Hours	101.8	92.5	104.4	103.7	102.6	102.6	99.0	92.5	90.8	92.3	94.3	96.3	96.3p
Compensation per hour	161.7r	179.8r	150.6r	153.8r	159.1r	163.5r	169.6r	175.9r	179.1r	180.7r	183.6r	187.9r	192.4p
Real compensation per hour													
hour	109.5r	111.5r	109.6r	108.6r	109.4r	109.2r	110.1r	111.9r	112.2r	111.0r	111.0r	112.3r	113.7p
Unit labor costs	140.9r	156.4r	127.8r	134.1r	137.7r	141.7r	150.7r	161.3r	158.3r	152.3r	153.7r	155.4r	156.1p
Nonfinancial corporations:													
Output per all-employee hour	112.7r	115.9r	115.4r	114.6r	113.6r	111.9r	110.8r	111.7r	115.8r	118.2r	117.8r	119.1r	N.A.
Output	128.0r	124.0r	132.5r	131.4r	129.7r	127.7r	123.7r	119.7r	122.4r	126.2r	127.5r	130.8r	N.A.
Hours	113.6	107.0	114.9	114.6	114.2	114.1	111.7	107.1	105.7	106.8	108.3	109.8	N.A.
Compensation per hour	167.2r	184.8r	155.9r	160.4r	165.0r	169.4r	174.2r	180.2r	183.5r	186.1r	189.4r	193.5r	N.A.
Real compensation per hour													
hour	113.2r	114.7r	113.4r	113.3r	113.4r	113.2r	113.0r	114.6r	115.0r	114.3r	114.5r	115.6r	N.A.
Total unit costs	152.0r	166.8r	137.4r	142.4r	148.5r	155.2r	162.0r	167.4r	165.9r	165.4r	168.7r	169.6r	N.A.
Unit labor costs	148.4r	159.4r	135.1r	139.9r	145.2r	151.4r	157.3r	161.3r	158.5r	157.5r	160.8r	162.5r	N.A.
Unit nonlabor costs	163.1r	189.8r	144.4r	150.1r	158.4r	167.2r	176.8r	186.5r	189.2r	190.2r	193.4r	191.9r	N.A.
Unit profits	69.2r	87.0r	85.1r	75.1r	74.4r	66.4r	60.2r	61.6r	82.4r	102.0r	100.5r	106.0r	N.A.
Implicit price deflator	139.7r	155.0r	129.6r	132.4r	137.5r	142.0r	146.9r	151.7r	153.5r	156.0r	158.6r	160.2r	N.A.

p= preliminary.
r= revised.

Beginning with the August 1976 issue, the *Employment and Earnings* contains productivity and cost measures for the private business sector and nonfarm business sector. These series replace the measures for the total private economy and the nonfarm sector, which the BLS has published quarterly for many years. The old series exclude the general government sector—because the output is based on labor input measures—and the new series will omit in addition the households and nonprofit institutions sectors for the same reason. The old series also excluded the rest of the world sector—because there is no corresponding measure of labor input—and the new series will omit in addition the output imputed to owner-occupied dwellings for the same reason. The old measures also include the statistical discrepancy (the difference between GNP measured from the income and product accounts) in output; the new measures will not.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-12. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate

Item	Quarterly percent change						Annual percent change					
	IV 1974 to I 1975	I 1975 to II 1975	II 1975 to III 1975	III 1975 to IV 1975	IV 1975 to I 1976	I 1976 to II 1976	I 1974 to I 1975	II 1974 to II 1975	III 1974 to III 1975	IV 1974 to IV 1975	I 1975 to I 1976	II 1975 to II 1976
	Private business sector:											
Output per hour of all persons	1.6r	12.7r	8.5r	-1.6r	7.5r	3.6r	-2.2r	1.7r	4.5r	5.2r	6.6r	4.4p
Output	-11.2r	8.9r	12.3r	3.6r	10.2r	5.4r	-7.2r	-4.2r	-0.4r	3.0r	8.7r	7.8p
Hours	-12.7r	-3.3r	-3.5r	5.2r	2.5r	1.8r	-5.1r	-5.9r	-4.7r	-2.1r	1.9r	3.2p
Compensation per hour	13.1r	6.9r	5.2r	8.3r	10.9r	7.3r	12.1r	10.6r	8.8r	8.4r	7.8r	7.9p
Real compensation per hour	4.5r	0.7r	-2.9r	1.6r	6.1r	2.5r	1.0r	0.8r	0.0r	0.9r	1.3r	1.8p
Unit labor costs	11.3r	-5.1r	-3.0r	10.1r	3.2r	3.6r	14.6r	8.7r	4.1r	3.0r	1.1r	3.3p
Unit nonlabor payments	11.8r	25.0r	28.8r	-0.0r	-0.1r	7.4r	7.9r	13.3r	18.4r	15.7r	12.6r	8.4p
Implicit price deflator	11.3r	3.5r	6.6r	6.6r	2.1r	4.8r	12.5r	10.1r	8.5r	7.0r	4.7r	5.0p
Nonfarm business sector:												
Output per hour of all persons	1.3r	12.6r	9.3r	-2.2r	5.8r	N.A.	-3.0r	1.5r	4.6r	5.1r	6.2r	N.A.
Output	-11.3r	7.9r	12.1r	4.5r	10.5r	N.A.	-7.5r	-4.6r	-0.8r	2.9r	8.7r	N.A.
Hours	-12.4r	-4.2r	2.5r	6.9r	4.4r	N.A.	-4.7r	-5.9r	-5.2r	-2.1r	2.3r	N.A.
Compensation per hour	11.8r	7.9r	6.8r	6.6r	9.5r	N.A.	11.4r	10.5r	9.4r	8.3r	7.7r	N.A.
Real compensation per hour	3.3r	1.6r	-1.4r	-0.0r	4.8r	N.A.	0.4r	0.7r	0.6r	0.8r	1.2r	N.A.
Unit labor costs	10.4r	-4.2r	-2.2r	9.0r	3.5r	N.A.	14.9r	8.9r	4.6r	3.1r	1.4r	N.A.
Unit nonlabor payments	20.8r	19.6r	23.5r	0.5r	6.2r	N.A.	13.1r	14.5r	18.0r	15.7r	12.0r	N.A.
Implicit price deflator	13.5r	2.6r	5.3r	6.2r	4.3r	N.A.	14.3r	10.6r	8.6r	6.8r	4.6r	N.A.
Manufacturing:												
Output per hour of all persons	-12.0r	15.8r	21.1r	2.7r	5.1r	7.8r	-5.0r	2.1r	2.8r	6.1r	10.9r	9.0p
Output	-33.1r	7.6r	29.4r	11.9r	14.4r	7.6r	-15.3r	-13.4r	-7.6r	1.0r	15.6r	15.6p
Hours	-24.0r	-7.1r	6.9r	9.0r	8.9r	-0.2r	-10.9r	-11.5r	-10.1r	-4.7r	4.2r	6.1p
Compensation per hour	15.5r	7.4r	3.8r	6.5r	9.7r	10.0r	14.3r	12.6r	10.5r	8.2r	6.8r	7.4p
Real compensation per hour	6.7r	1.2r	-4.2r	-0.1r	4.8r	5.2r	3.0r	2.6r	1.6r	0.8r	0.4r	1.4p
Unit labor costs	31.3r	-7.2r	-14.3r	3.7r	4.3r	2.0r	20.3r	15.0r	7.5r	2.0r	-3.7r	-1.4p
Nonfinancial corporations:												
Output per all-employee hour	3.5r	15.4r	8.5r	-1.3r	4.4r	N.A.	-2.6r	1.9r	5.6r	6.4r	6.6r	N.A.
Output	-12.5r	9.5r	13.1r	4.2r	10.6r	N.A.	-8.9r	-5.6r	-1.1r	3.1r	9.3r	N.A.
Hours	-15.5r	-5.1r	4.2r	5.6r	6.0r	N.A.	-6.5r	-7.4r	-6.4r	-3.1r	2.5r	N.A.
Compensation per hour	14.5r	7.5r	5.9r	7.2r	8.9r	N.A.	12.3r	11.2r	9.9r	8.7r	7.4r	N.A.
Real compensation per hour	5.8r	1.2r	-2.2r	0.5r	4.2r	N.A.	1.2r	1.4r	1.0r	1.3r	0.9r	N.A.
Total unit costs	14.0r	-3.6r	-1.2r	8.1r	2.2r	N.A.	17.6r	11.8r	6.6r	4.1r	1.3r	N.A.
Unit labor costs	10.7r	-6.9r	-2.4r	8.6r	4.3r	N.A.	15.3r	9.1r	4.0r	2.2r	0.7r	N.A.
Unit nonlabor costs	23.7r	5.8r	2.1r	7.1r	-3.1r	N.A.	24.2r	19.4r	13.7r	9.4r	2.9r	N.A.
Unit profits	10.1r	218.7r	135.3r	-5.9r	23.8r	N.A.	-17.9r	10.7r	53.5r	66.9r	71.9r	N.A.
Implicit price deflator	13.8r	4.8r	6.7r	6.7r	4.1r	N.A.	14.6r	11.7r	9.8r	7.9r	5.6r	N.A.

p= preliminary.
r= revised.

Beginning with the August 1976 issue, the *Employment and Earnings* contains productivity and cost measures for the private business sector and nonfarm business sector. These series replace the measures for the total private economy and the nonfarm sector, which the BLS has published quarterly for many years. The old series exclude the general government sector—because the output is based on labor input measures—and the new series will omit in addition the households and nonprofit institutions sectors for the same reason. The old series also excluded the rest of the world sector—because there is no corresponding measure of labor input—and the new series will omit in addition the output imputed to owner-occupied dwellings for the same reason. The old measures also include the statistical discrepancy (the difference between GNP measured from the income and product accounts) in output; the new measures will not.

**ESTABLISHMENTS DATA
STATE AND AREA HOURS AND EARNINGS**

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
ALABAMA									
Birmingham	\$160.34	\$174.90	\$181.22	39.3	40.3	41.9	\$4.08	\$4.34	\$4.42
Mobile	193.94	219.37	218.90	39.5	40.4	39.8	4.91	5.43	5.50
	201.20	210.67	224.47	40.0	39.6	40.3	5.03	5.32	5.57
ALASKA	307.05	335.27	(*)	37.4	41.7	(*)	8.21	8.04	(*)
ARIZONA	186.92	202.58	204.73	38.7	39.8	39.6	4.83	5.09	5.17
Phoenix	187.98	202.29	205.65	38.6	39.9	39.7	4.87	5.07	5.18
Tucson	190.12	209.21	211.72	39.2	39.4	39.5	4.85	5.31	5.36
ARKANSAS	138.81	154.77	154.03	39.1	40.2	39.8	3.55	3.85	3.87
Fayetteville-Springdale	130.07	142.04	140.54	39.9	39.9	39.7	3.26	3.56	3.54
Fort Smith	136.52	150.54	154.06	37.2	38.6	39.2	3.67	3.90	3.93
Little Rock-North Little Rock	157.19	175.47	176.51	39.2	39.7	39.4	4.01	4.42	4.48
Pine Bluff	169.60	186.24	200.38	38.9	40.4	41.4	4.36	4.61	4.84
CALIFORNIA	203.97	219.14	223.04	39.3	39.7	39.9	5.19	5.52	5.59
Anaheim-Santa Ana-Garden Grove	191.68	206.63	207.20	40.1	40.2	40.0	4.78	5.14	5.18
Bakersfield	199.56	215.77	210.35	38.9	38.6	37.9	5.13	5.59	5.55
Fresno	176.32	198.35	197.12	38.0	39.2	38.5	4.64	5.06	5.12
Los Angeles-Long Beach	192.57	205.88	209.44	39.3	39.9	40.2	4.90	5.15	5.21
Modesto	192.79	203.63	198.36	38.1	37.5	36.0	5.06	5.43	5.51
Oxnard-Simi Valley-Ventura	182.22	191.00	190.70	39.7	38.9	39.4	4.59	4.91	4.84
Riverside-San Bernardino-Ontario	205.88	229.25	231.95	39.9	39.8	40.2	5.16	5.76	5.77
Sacramento	220.38	233.14	240.95	38.8	38.6	39.5	5.68	6.04	6.10
Salinas-Seaside-Monterey	184.61	195.55	191.01	38.3	38.8	37.6	4.82	5.04	5.08
San Diego	194.43	211.53	213.40	38.5	38.6	38.8	5.05	5.48	5.50
San Francisco-Oakland	239.78	265.44	270.92	38.8	39.5	39.9	6.18	6.72	6.79
San Jose	218.79	246.58	250.04	39.0	39.9	40.2	5.51	6.18	6.22
Santa Barbara-Santa Maria-Lompoc	176.18	188.28	185.93	38.3	38.9	38.1	4.60	4.84	4.88
Santa Rosa	186.50	197.62	209.98	37.3	36.8	38.6	5.00	5.37	5.44
Stockton	218.79	236.02	232.54	39.0	39.6	38.5	5.61	5.96	6.04
Vallejo-Fairfield-Napa	206.45	223.82	228.51	37.4	38.0	38.6	5.52	5.89	5.92
COLORADO	194.24	206.06	212.26	39.4	39.4	40.2	4.93	5.23	5.28
Denver-Boulder	198.97	208.96	211.86	39.4	39.5	39.6	5.05	5.29	5.35
CONNECTICUT	191.68	206.25	208.59	40.1	40.6	40.9	4.78	5.08	5.10
Bridgeport	201.06	218.40	224.27	40.7	42.0	42.8	4.94	5.20	5.24
Hartford	214.56	231.44	233.38	41.5	41.7	41.9	5.17	5.55	5.57
New Britain	199.35	207.25	209.90	40.6	40.4	40.6	4.91	5.13	5.17
New Haven-West Haven	195.02	205.53	207.43	39.8	40.1	40.2	4.90	5.12	5.16
Stamford	199.58	216.11	216.62	40.4	41.8	41.9	4.94	5.17	5.17
Waterbury	164.40	183.84	185.15	40.0	41.5	41.7	4.11	4.43	4.44
DELAWARE	196.50	229.63	230.33	39.3	41.6	41.5	5.00	5.52	5.55
Wilmington	225.22	256.23	257.50	39.1	41.8	41.6	5.76	6.13	6.19
DISTRICT OF COLUMBIA:									
Washington SMSA	217.32	210.21	214.42	38.6	38.5	39.2	5.63	5.46	5.47
FLORIDA	161.19	173.38	173.40	39.8	40.7	40.8	4.05	4.26	4.25
Fort Lauderdale-Hollywood	155.62	169.49	173.29	39.2	39.6	40.3	3.97	4.28	4.30
Jacksonville	202.86	214.11	217.26	42.0	41.9	42.6	4.83	5.11	5.10
Miami	145.78	149.23	150.78	39.4	39.9	40.1	3.70	3.74	3.76
Orlando	163.17	174.58	177.02	41.1	40.6	40.6	3.97	4.30	4.35
Pensacola	194.81	217.33	211.84	41.1	42.2	41.7	4.74	5.15	5.08
Tampa-St. Petersburg	178.49	182.61	188.78	40.2	40.4	41.4	4.44	4.52	4.56
West Palm Beach-Boca Raton	191.02	204.47	209.10	40.3	41.9	42.5	4.74	4.88	4.92
GEORGIA	151.26	167.68	169.72	39.7	40.6	40.7	3.81	4.13	4.17
Atlanta	179.54	210.08	209.87	39.2	40.4	39.9	4.58	5.20	5.26
Savannah	191.78	216.72	226.37	41.6	43.0	43.2	4.61	5.04	5.24
HAWAII	175.28	193.55	192.27	39.3	38.1	39.4	4.46	5.08	4.88
Honolulu	170.61	181.42	183.35	38.6	36.8	38.5	4.42	4.93	4.75
IDAHO¹	181.12	194.30	207.11	38.7	38.4	39.2	4.68	5.06	5.27

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS**

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
ILLINOIS	\$212.66	\$233.29	(*)	39.6	40.5	(*)	\$5.38	\$5.77	(*)
INDIANA	216.37	243.95	\$245.78	39.7	41.0	41.1	5.45	5.95	\$5.98
Indianapolis	216.68	242.18	(*)	40.2	41.9	(*)	5.39	5.78	(*)
IOWA	213.15	231.20	232.18	39.4	40.0	40.1	5.41	5.79	5.79
Cedar Rapids	214.09	234.43	252.76	39.5	40.7	41.3	5.42	5.76	6.12
Des Moines	216.98	238.16	238.76	38.0	39.3	39.4	5.71	6.06	6.06
Dubuque	246.65	274.13	278.00	38.6	39.5	40.0	6.39	6.94	6.95
Sioux City	188.16	212.70	207.09	39.2	39.1	39.0	4.80	5.44	5.31
Waterloo—Cedar Falls	265.95	284.97	283.29	39.4	39.8	39.4	6.75	7.16	7.19
KANSAS	186.42	200.28	202.91	40.6	40.8	41.3	4.59	4.91	4.91
Topeka	190.02	183.74	190.80	40.2	40.3	41.7	4.73	4.56	4.65
Wichita	211.34	219.72	219.64	41.7	41.3	41.4	5.07	5.32	5.31
KENTUCKY	176.93	199.40	200.09	38.8	39.8	39.7	4.56	5.01	5.04
Louisville	212.22	232.80	236.16	39.3	40.0	40.3	5.40	5.82	5.85
LOUISIANA	194.14	217.24	223.13	40.7	41.3	42.1	4.77	5.26	5.30
Baton Rouge	245.86	276.87	282.01	42.1	42.4	42.6	5.84	6.53	6.52
New Orleans	185.10	205.25	216.52	39.3	39.7	41.4	4.71	5.17	5.23
Shreveport	180.09	185.78	196.30	41.4	40.3	41.5	4.35	4.61	4.73
MAINE	150.88	160.40	163.60	39.6	39.9	40.0	3.81	4.02	4.09
Lewiston—Auburn	127.38	140.30	140.66	38.6	39.3	39.4	3.30	3.57	3.57
Portland	160.37	169.62	173.75	39.5	40.1	40.5	4.06	4.23	4.29
MARYLAND	197.39	218.80	219.60	39.4	40.0	40.0	5.01	5.47	5.49
Baltimore	206.71	228.17	232.30	39.6	40.1	40.4	5.22	5.69	5.75
MASSACHUSETTS	173.21	188.47	188.87	39.1	40.1	40.1	4.43	4.70	4.71
Boston	191.18	207.43	209.27	39.5	40.2	40.4	4.84	5.16	5.18
Brockton	145.54	152.85	154.80	38.4	38.5	38.7	3.79	3.97	4.00
Fall River	124.96	137.90	138.90	35.5	36.1	35.8	3.52	3.82	3.88
Lawrence—Haverhill	167.42	181.94	181.37	39.3	39.9	39.6	4.26	4.56	4.58
Lowell	165.95	168.13	169.38	39.7	39.1	39.3	4.18	4.30	4.31
New Bedford	148.60	159.80	161.46	38.2	38.6	39.0	3.89	4.14	4.14
Springfield—Chicopee—Holyoke	173.05	188.73	190.01	39.6	40.5	40.6	4.37	4.66	4.68
Worcester	174.47	189.21	188.02	38.6	39.5	39.5	4.52	4.79	4.76
MICHIGAN	245.19	292.61	300.80	40.3	43.1	43.9	6.08	6.79	6.85
Ann Arbor	258.77	331.94	342.16	40.3	45.1	45.3	6.42	7.36	7.39
Battle Creek	266.75	282.51	282.57	42.1	41.4	41.5	6.34	6.82	6.81
Bay City	265.59	306.79	309.05	44.6	47.3	47.4	5.96	6.49	6.52
Detroit	259.77	311.24	321.35	40.1	43.5	44.7	6.48	7.16	7.19
Flint	274.60	353.35	357.35	40.4	47.0	47.1	6.80	7.52	7.59
Grand Rapids	203.95	224.26	227.93	39.5	40.4	40.5	5.16	5.55	5.63
Jackson	227.22	242.58	241.74	41.0	40.9	40.5	5.54	5.93	5.97
Kalamazoo—Portage	221.97	254.89	256.76	40.3	41.5	41.6	5.51	6.14	6.17
Lansing—East Lansing	248.48	332.05	323.73	40.2	45.8	44.9	6.18	7.25	7.21
Muskegon—Norton Shore—Muskegon Heights	217.69	248.66	248.11	40.5	41.7	41.4	5.38	5.96	5.99
Saginaw	281.52	346.47	348.50	40.7	44.7	44.6	6.92	7.75	7.81
MINNESOTA	198.86	214.49	215.28	39.3	39.5	39.5	5.06	5.43	5.45
Duluth—Superior	183.38	194.89	197.18	39.1	38.9	39.2	4.69	5.01	5.03
Minneapolis—St. Paul	212.40	228.10	230.26	39.7	39.6	39.7	5.35	5.76	5.80
MISSISSIPPI	140.54	150.84	152.76	39.7	39.8	40.2	3.54	3.79	3.80
Jackson	151.11	153.58	156.78	41.4	40.1	40.2	3.65	3.83	3.90
MISSOURI	187.07	204.00	205.31	39.3	40.0	40.1	4.76	5.10	5.12
Kansas City	209.47	237.39	240.12	39.3	41.0	41.4	5.33	5.79	5.80
St. Joseph	184.13	190.80	196.50	41.1	40.0	40.6	4.48	4.77	4.84
St. Louis	216.22	233.02	236.45	39.6	39.9	39.9	5.46	5.84	5.93
Springfield	159.44	174.99	177.06	38.7	39.5	39.7	4.12	4.43	4.45
MONTANA	189.74	231.45	230.68	36.7	39.7	39.5	5.17	5.83	5.84

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS**

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
NEBRASKA	\$181.96	\$207.16	\$208.47	41.0	41.6	42.7	\$4.44	\$4.98	\$4.89
Lincoln	159.81	180.15	184.27	37.8	39.6	39.4	4.22	4.55	4.67
Omaha	199.21	223.47	228.80	40.9	42.0	42.5	4.87	5.32	5.38
NEVADA	200.26	204.75	219.06	38.0	37.5	39.4	5.27	5.46	5.56
Las Vegas	246.87	260.17	(*)	39.0	39.6	(*)	6.33	6.57	(*)
NEW HAMPSHIRE	154.06	165.57	166.76	39.3	39.8	39.8	3.92	4.16	4.19
Manchester	142.40	153.66	151.71	38.8	39.5	38.8	3.67	3.89	3.91
Nashua ²	175.08	182.40	184.80	39.7	40.0	40.0	4.41	4.56	4.56
NEW JERSEY	197.96	220.18	221.01	40.4	41.7	41.7	4.90	5.28	5.30
Atlantic City	146.43	160.01	162.80	35.2	36.7	37.0	4.16	4.36	4.40
Camden ³	180.42	196.71	197.51	38.8	39.9	39.9	4.65	4.93	4.95
Hackensack ⁴	190.87	204.22	204.11	39.6	40.2	40.1	4.82	5.08	5.09
Jersey City ⁴	190.55	203.31	206.40	40.2	40.1	40.0	4.74	5.07	5.16
New Brunswick—Perth Amboy—Sayreville ⁴	211.87	231.90	232.22	39.9	40.9	41.1	5.31	5.67	5.65
Newark ⁴	205.18	229.52	229.30	41.2	42.9	42.7	4.98	5.35	5.37
Paterson—Clifton—Passaic ⁴	192.10	208.38	207.40	40.7	42.7	42.5	4.72	4.88	4.88
Trenton	213.70	245.40	247.34	42.4	44.7	45.3	5.04	5.49	5.46
NEW MEXICO	144.67	158.77	156.02	39.1	40.4	39.8	3.70	3.93	3.92
Albuquerque	151.30	160.34	156.42	39.4	40.8	39.7	3.84	3.93	3.94
NEW YORK	190.12	206.98	207.38	38.8	39.5	39.5	4.90	5.24	5.25
Albany—Schenectady—Troy	198.18	223.02	223.31	39.4	41.3	40.9	5.03	5.40	5.46
Binghamton	185.09	196.65	193.05	40.5	41.4	40.9	4.57	4.75	4.72
Buffalo	230.10	266.80	272.54	39.2	41.3	41.8	5.87	6.46	6.52
Elmira	184.93	202.40	200.15	39.6	40.0	39.4	4.67	5.06	5.08
Monroe County ⁵	237.69	270.28	264.38	40.7	42.1	41.7	5.84	6.42	6.34
Nassau—Suffolk ⁶	187.46	195.42	196.02	39.3	39.4	39.6	4.77	4.96	4.95
New York—Northeastern New Jersey	187.20	201.17	(*)	39.0	39.6	(*)	4.80	5.08	(*)
New York and Nassau—Suffolk ⁴	176.90	186.47	186.96	37.8	37.9	38.0	4.68	4.92	4.92
New York SMSA ⁴	175.13	184.99	185.48	37.5	37.6	37.7	4.67	4.92	4.92
New York City ⁷	173.72	182.77	183.26	37.2	37.3	37.4	4.67	4.90	4.90
Poughkeepsie	194.00	217.87	215.87	38.8	40.8	40.5	5.00	5.34	5.33
Rochester	228.83	257.49	251.52	40.5	41.8	41.3	5.65	6.16	6.09
Rockland County ⁷	188.37	207.90	211.08	41.4	42.0	42.3	4.55	4.95	4.99
Syracuse	205.44	224.95	224.41	40.6	41.2	41.1	5.06	5.46	5.45
Utica—Rome	170.21	187.53	190.40	39.4	39.9	40.0	4.32	4.70	4.76
Westchester County ⁷	183.53	199.87	200.09	39.3	39.5	39.7	4.67	5.06	5.04
NORTH CAROLINA	134.59	147.66	148.83	38.9	39.8	39.9	3.46	3.71	3.73
Asheville	133.72	146.03	147.97	39.1	39.9	40.1	3.42	3.66	3.69
Charlotte—Gastonia	133.08	152.07	152.03	38.8	41.1	41.2	3.43	3.70	3.69
Greensboro—Winston-Salem—High Point	147.06	158.79	160.38	38.7	39.5	39.5	3.80	4.02	4.05
Raleigh—Durham	150.93	161.85	162.24	38.6	39.0	39.0	3.91	4.15	4.15
NORTH DAKOTA	169.62	187.93	191.35	40.1	39.9	40.2	4.23	4.71	4.76
Fargo—Moorhead	182.51	202.19	203.77	40.2	40.6	41.0	4.54	4.98	4.97
OHIO	220.95	250.43	252.89	40.1	41.5	41.8	5.51	6.02	6.05
Akron	235.00	242.60	240.85	41.3	41.4	41.1	5.69	5.86	5.85
Canton	220.81	244.95	244.84	39.5	39.7	39.3	5.59	6.17	6.23
Cincinnati	209.20	231.54	234.89	40.7	41.2	41.5	5.14	5.62	5.66
Cleveland	224.80	259.30	263.30	40.0	42.3	42.4	5.62	6.13	6.21
Columbus	207.63	226.24	230.04	39.7	40.4	40.5	5.23	5.60	5.68
Dayton	232.47	268.27	264.31	41.0	43.2	42.7	5.67	6.21	6.19
Toledo	234.03	259.79	259.79	40.7	41.7	41.7	5.75	6.23	6.23
Youngstown—Warren	243.42	276.80	278.80	38.7	40.0	40.0	6.29	6.92	6.97
OKLAHOMA	174.32	187.13	190.35	39.8	39.9	40.5	4.38	4.69	4.70
Oklahoma City	175.96	192.23	190.95	39.9	40.3	40.2	4.41	4.77	4.75
Tulsa	189.77	210.48	208.55	39.7	40.4	39.8	4.78	5.21	5.24
OREGON	221.05	233.63	245.52	39.9	39.2	39.6	5.54	5.96	6.20
Eugene—Springfield	237.02	246.58	269.04	42.1	39.9	41.2	5.63	6.18	5.53
Jackson County	234.77	237.34	264.58	41.7	39.1	42.4	5.67	6.07	6.24
Portland	209.21	232.46	232.54	37.9	39.2	38.5	5.52	5.93	5.04

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P
PENNSYLVANIA	\$188.54	\$207.76	\$208.94	38.4	39.2	39.2	\$4.91	\$5.30	\$5.33
Allentown—Bethlehem—Easton	188.98	199.54	201.22	38.1	38.3	38.4	4.96	5.21	5.24
Altoona	159.09	173.25	171.77	37.7	38.5	38.6	4.22	4.50	4.45
Delaware Valley ⁸	198.27	221.45	220.73	38.8	39.9	39.7	5.11	5.55	5.56
Erie	203.77	210.60	208.64	41.0	40.5	40.2	4.97	5.20	5.19
Harrisburg	175.87	188.64	189.21	39.7	39.3	39.5	4.43	4.80	4.79
Johnstown	206.65	225.38	228.82	37.1	37.5	38.2	5.57	6.01	5.99
Lancaster	169.26	191.63	190.76	39.0	40.6	40.5	4.34	4.72	4.71
Northeast Pennsylvania	139.59	147.60	148.99	35.7	36.0	35.9	3.91	4.10	4.15
Philadelphia SMSA	196.33	218.25	217.56	38.8	39.9	39.7	5.06	5.47	5.48
Pittsburgh	225.03	254.29	255.91	39.0	40.3	40.3	5.77	6.31	6.35
Reading	172.77	187.46	187.77	39.0	39.3	39.2	4.43	4.77	4.79
Scranton ⁹	140.79	145.20	148.83	36.1	35.5	36.3	3.90	4.09	4.10
Wilkes-Barre—Hazleton ¹⁰	137.42	148.42	148.10	35.6	36.2	35.6	3.86	4.10	4.16
Williamsport	172.48	176.15	175.38	39.2	38.8	38.8	4.40	4.54	4.52
York	175.74	191.47	193.64	40.4	41.0	41.2	4.35	4.67	4.70
RHODE ISLAND	148.22	162.35	165.19	38.7	39.5	39.9	3.83	4.11	4.14
Providence—Warwick—Pawtucket	148.22	164.81	166.43	38.7	40.1	40.2	3.83	4.11	4.14
SOUTH CAROLINA¹	140.54	153.12	155.07	39.7	40.4	40.7	3.54	3.79	3.81
Charleston—North Charleston ¹	160.00	173.66	173.72	40.2	40.2	40.4	3.98	4.32	4.30
Columbia ¹	141.74	151.70	153.26	38.0	39.2	39.5	3.73	3.87	3.88
Greenville—Spartanburg ¹	141.91	155.42	155.04	40.2	40.9	40.8	3.53	3.80	3.80
SOUTH DAKOTA	177.66	179.34	183.72	42.4	40.3	41.1	4.19	4.45	4.47
Sioux Falls	225.62	226.59	236.56	44.5	41.5	42.7	5.07	5.46	5.54
TENNESSEE	157.16	168.92	172.63	40.5	40.9	41.2	3.89	4.13	4.19
Chattanooga	170.54	178.70	185.59	40.8	40.8	41.8	4.18	4.38	4.44
Knoxville	178.35	202.45	206.59	39.9	41.4	41.4	4.47	4.89	4.99
Memphis	185.66	185.33	194.00	40.1	39.5	40.5	4.53	4.68	4.79
Nashville—Davidson	162.74	176.62	176.71	39.5	39.6	39.8	4.12	4.46	4.44
TEXAS	185.64	199.67	203.12	40.8	41.0	41.2	4.55	4.87	4.93
Amarillo	155.20	178.36	178.09	38.8	39.2	39.4	4.00	4.55	4.52
Austin	153.71	168.92	172.08	41.1	41.0	40.3	3.74	4.12	4.27
Beaumont—Port Arthur—Orange	235.73	272.00	275.65	38.9	40.0	40.3	6.06	5.80	6.84
Corpus Christi	202.57	210.76	206.93	43.1	38.6	37.9	4.70	5.46	5.46
Dallas—Fort Worth	175.82	183.82	186.00	40.7	40.4	40.7	4.32	4.55	4.57
El Paso	130.42	143.05	148.06	38.7	39.3	39.8	3.37	3.64	3.72
Galveston—Texas City	291.50	328.71	328.26	44.1	44.3	44.3	6.61	7.42	7.41
Houston	222.50	243.76	248.22	42.3	42.1	42.0	5.25	5.79	5.91
Lubbock	150.73	150.12	150.59	42.7	41.7	41.6	3.53	3.60	3.62
San Antonio	140.35	151.37	153.00	40.1	40.8	40.9	3.50	3.71	3.75
Waco	154.31	173.13	174.93	40.5	39.8	40.4	3.81	4.35	4.33
Wichita Falls	165.57	173.84	175.22	41.6	39.6	39.2	3.98	4.39	4.47
UTAH	153.54	160.22	158.65	38.1	38.7	38.6	4.03	4.14	4.11
Salt Lake City—Ogden	153.58	159.12	160.31	38.3	39.0	39.1	4.01	4.08	4.10
VERMONT	165.65	175.82	177.92	40.5	40.7	40.9	4.09	4.32	4.35
Burlington	184.91	207.83	207.27	41.0	42.5	42.3	4.51	4.89	4.90
Springfield	187.37	188.00	186.59	41.0	40.0	39.7	4.57	4.70	4.70
VIRGINIA	156.81	170.45	171.65	39.4	40.2	40.2	3.98	4.24	4.27
Lynchburg	152.87	180.18	170.34	39.4	40.4	39.8	3.88	4.46	4.28
Norfolk—Virginia Beach—Portsmouth	160.80	185.56	187.32	40.2	41.7	42.0	4.00	4.45	4.45
Northern Virginia ¹¹	198.18	185.94	186.58	39.4	38.9	38.0	5.03	4.78	4.91
Richmond	180.32	205.00	202.31	39.2	41.0	40.3	4.50	5.00	5.32
Roanoke	141.21	151.69	148.58	38.9	39.4	39.1	3.63	3.85	3.80
WASHINGTON	223.86	244.95	248.77	39.0	39.7	39.3	5.74	6.17	6.33
Seattle—Everett	231.67	253.04	253.62	39.4	39.6	39.2	5.88	6.39	6.47
Spokane	192.62	218.01	219.18	36.9	39.0	39.0	5.22	5.59	5.62
Tacoma	230.44	247.68	246.91	39.8	38.7	38.7	5.79	6.40	6.38
WEST VIRGINIA	189.83	213.33	213.05	38.9	40.1	39.6	4.88	5.32	5.38
Charleston	227.01	243.72	244.96	41.2	41.1	41.1	5.51	5.93	5.96
Huntington—Ashland	209.41	238.79	239.38	37.8	40.2	40.3	5.54	5.94	5.94
Parkersburg—Martinsburg ¹²	206.58	232.15	235.91	39.2	40.8	41.1	5.27	5.69	5.74

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS**

C-13. Gross hours and earning of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1976	JUNE 1976P	JUNE 1975	MAY 1975	JUNE 1976P
WEST VIRGINIA—Continued									
Wheeling	\$205.32	\$219.54	\$217.80	40.9	39.7	39.6	\$5.02	\$5.53	\$5.50
WISCONSIN	210.86	228.77	227.66	40.2	40.6	40.3	5.25	5.63	5.64
Appleton—Oshkosh	199.98	217.88	222.30	40.7	41.1	41.4	4.92	5.30	5.37
Green Bay	218.39	228.25	232.27	41.7	41.0	41.7	5.23	5.56	5.56
Kenosha	286.66	260.61	255.93	43.3	39.2	38.4	6.62	6.65	6.66
La Crosse	189.80	198.95	189.90	42.1	41.8	40.5	4.51	4.77	4.69
Madison	234.77	248.47	245.32	40.2	40.3	39.7	5.85	6.17	6.18
Milwaukee	229.61	249.65	248.40	40.0	40.4	40.0	5.74	6.18	6.21
Racine	223.79	240.69	236.75	39.4	40.0	39.7	5.69	6.02	5.95
WYOMING	195.17	228.08	222.27	38.7	41.3	40.6	5.04	5.52	5.48
Casper	223.45	251.17	250.80	36.4	42.2	39.7	6.14	5.95	6.31
Cheyenne	185.07	270.81	233.64	31.0	33.0	29.9	5.97	8.20	7.81

¹ Based on 1972 Standard Industrial Classification.

² Initial publication in this table.

³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁴ Subarea of New York—Northeastern New Jersey.

⁵ Subarea of Rochester Standard Metropolitan Statistical Area.

⁶ Area included in New York and Nassau—Suffolk combined SMSA's.

⁷ Subarea of New York Standard Metropolitan Statistical Area.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁰ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹¹ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p= preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-1. Labor turnover rates in manufacturing 1965 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1965	4.3	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1
1966	5.0	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9
1967	4.4	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8
1968	4.6	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.4	4.1	3.7	4.0	4.0	4.9	5.3	4.6	6.0	5.3	4.8	3.6	2.7
1973	4.8	4.6	4.0	4.4	4.5	5.3	5.9	5.1	6.2	5.7	5.2	3.8	2.6
1974	4.2	4.2	3.6	4.0	4.4	5.1	5.4	4.8	5.4	4.9	3.8	2.4	1.8
1975	3.7	3.0	2.7	3.2	3.7	3.9	4.5	4.5	5.1	4.6	3.7	2.8	2.2
1976	-	3.8	3.5	4.2	3.9	4.4	4.8 ^P						
New hires													
1965	3.1	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2
1966	3.8	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1
1967	3.3	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0
1968	3.5	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.4	2.7	2.9	3.6	4.1	3.4	4.4	4.3	3.8	2.9	2.0
1973	3.9	3.5	3.1	3.5	3.6	4.4	5.0	4.1	5.0	4.7	4.3	3.0	2.0
1974	3.2	3.2	2.7	3.0	3.3	3.9	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5 ^P	2.6	3.1	3.0	2.4	1.7	1.3
1976	-	2.1	2.1	2.6	2.5	3.0	3.6 ^P						
Total separations													
1965	4.1	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1
1966	4.6	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2
1967	4.6	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9
1968	4.6	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.2	4.0	3.5	3.8	3.8	3.9	4.2	4.8	5.4	5.3	4.3	3.7	3.7
1973	4.6	4.3	3.7	4.2	4.1	4.4	4.5	5.1	6.5	5.7	4.9	4.2	3.9
1974	4.8	4.9	4.0	4.4	4.2	4.4	4.2	4.9	6.1	5.4	5.0	5.0	5.2
1975	4.2	6.2	4.5	4.2	4.0	3.9	3.6 ^P	4.4	4.6	4.3	4.0	3.5	3.4
1976	-	3.7	3.1	3.5	3.5	3.4	3.5 ^P						
Quits													
1965	1.9	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4
1966	2.6	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7
1967	2.3	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5
1968	2.5	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.2	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	1.9	1.6
1973	2.7	2.2	2.1	2.5	2.5	2.7	2.8	2.8	4.5	3.9	3.0	2.2	1.6
1974	2.3	2.2	1.9	2.3	2.4	2.6	2.5	2.5	4.0	3.2	2.2	1.4	.9
1975	1.4	1.1	.9	1.0	1.1	1.3	1.3	1.5	2.4	2.0	1.6	1.2	.9
1976	-	1.3	1.2	1.5	1.6	1.7	1.8 ^P						
Layoffs													
1965	1.4	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9
1966	1.2	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7
1967	1.4	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6
1968	1.2	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4
1969	1.2	1.2	1.0	1.0	.9	.9	.9	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.4	1.1	1.1	1.0	.8	1.1	1.7	.9	.9	.9	1.0	1.3
1973	.9	1.0	.7	.8	.7	.6	.6	1.4	.8	.7	.8	1.1	1.5
1974	1.5	1.7	1.2	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.1	2.9	2.5	2.1	1.8	1.5 ^P	2.0	1.3	1.4	1.6	1.7	1.9
1976	-	1.6	1.1	1.1	1.1	.9	.9 ^P						

^P=preliminary.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P
-	MANUFACTURING	4.4	4.8	3.0	3.6	3.4	3.5	1.7	1.8	0.9	0.9
19,24,25,32-39	DURABLE GOODS	4.1	4.4	2.7	3.1	2.9	3.1	1.4	1.5	.8	.8
20-23,26-31	NONDURABLE GOODS	4.9	5.3	3.5	4.1	4.1	4.1	2.2	2.2	1.1	1.1
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	1.4	-	.7	-	1.5	-	.5	-	.6	-
192	Ammunition, except for small arms	1.2	-	.4	-	1.4	-	.4	-	.7	-
24	LUMBER AND WOOD PRODUCTS	7.3	7.6	5.6	6.3	5.0	5.1	3.2	3.3	.7	.8
242	Sawmills and planing mills	6.2	-	4.9	-	4.9	-	3.1	-	.7	-
2421	Sawmills and planing mills, general	6.0	-	4.6	-	4.7	-	2.9	-	.7	-
243	Millwork, plywood and related products	7.2	-	6.2	-	4.7	-	3.1	-	.6	-
2431	Millwork	7.3	-	6.5	-	4.7	-	3.1	-	.6	-
2432	Veneer and plywood	4.9	-	4.4	-	4.3	-	2.9	-	.6	-
244	Wooden containers	7.9	-	7.1	-	6.3	-	4.9	-	.4	-
2441,2	Wooden boxes, shooks, and crates	7.8	-	6.9	-	6.3	-	4.9	-	.3	-
249	Miscellaneous wood products	7.2	-	6.0	-	5.7	-	3.8	-	.8	-
25	FURNITURE AND FIXTURES	5.8	5.4	4.9	4.6	5.3	5.3	3.3	3.0	.9	1.3
251	Household furniture	5.7	-	5.0	-	5.5	-	3.7	-	.8	-
2511	Wood household furniture	6.5	-	5.8	-	5.8	-	4.1	-	.5	-
2512	Upholstered household furniture	4.9	-	4.4	-	5.3	-	3.2	-	1.1	-
2515	Mattresses and bedsprings	4.3	-	3.6	-	3.6	-	2.2	-	.4	-
252	Office furniture	4.6	-	1.9	-	4.7	-	1.5	-	2.4	-
32	STONE, CLAY, AND GLASS PRODUCTS	4.8	5.4	3.1	3.8	3.1	3.3	1.5	1.6	.8	.8
321	Flat glass	3.8	-	1.4	-	2.5	-	.3	-	1.6	-
322	Glass and glassware, pressed or blown	4.6	-	2.8	-	2.9	-	1.0	-	1.0	-
3221	Glass containers	4.8	-	3.5	-	2.4	-	1.2	-	.5	-
3229	Pressed and blown glass, nec	4.2	-	2.0	-	3.6	-	.8	-	1.7	-
324	Cement, hydraulic	3.1	-	1.8	-	1.8	-	.3	-	.4	-
325	Structural clay products	6.7	-	5.2	-	4.2	-	3.0	-	.3	-
3251	Brick and structural clay tile	9.1	-	7.5	-	5.6	-	4.3	-	4.3	-
326	Pottery and related products	2.9	-	2.3	-	2.7	-	1.4	-	.5	-
3291	Abrasive products	2.6	-	1.7	-	1.7	-	.7	-	.2	-
33	PRIMARY METAL INDUSTRIES	3.8	3.8	1.8	1.9	2.3	2.1	.7	.7	.8	.7
331	Blast furnace and basic steel products	3.8	-	1.2	-	2.1	-	.3	-	1.0	-
3312	Blast furnaces and steel mills	3.7	-	1.2	-	1.8	-	.2	-	.8	-
332	Iron and steel foundries	3.7	-	2.6	-	2.9	-	1.2	-	1.0	-
3321	Gray iron foundries	4.3	-	3.2	-	2.6	-	1.3	-	.5	-
3322	Malleable iron foundries	3.1	-	1.5	-	2.0	-	.9	-	.5	-
3323	Steel foundries	2.6	-	1.4	-	4.1	-	1.0	-	2.3	-
333,4	Nonferrous metals	3.7	-	2.4	-	2.1	-	.7	-	.5	-
335	Nonferrous rolling and drawing	3.4	-	1.7	-	1.7	-	.6	-	.3	-
3351	Copper rolling and drawing	3.7	-	2.7	-	1.8	-	.6	-	.3	-
3352	Aluminum rolling and drawing	4.4	-	1.7	-	1.8	-	.7	-	.4	-
3357	Nonferrous wire drawing, and insulating	2.9	-	1.2	-	1.4	-	.6	-	.2	-
336	Nonferrous foundries	4.9	-	3.6	-	3.5	-	1.7	-	.9	-
3361	Aluminum castings	5.1	-	4.0	-	3.3	-	1.5	-	1.0	-
3362,9	Other nonferrous castings	4.6	-	3.2	-	3.9	-	2.0	-	.7	-
339	Miscellaneous primary metal products	3.1	-	1.8	-	2.3	-	.9	-	.7	-
3391	Iron and steel forgings	3.1	-	1.7	-	2.4	-	.7	-	1.0	-
34	FABRICATED METAL PRODUCTS	4.3	-	3.0	-	3.2	-	1.4	-	.9	-
341	Metal cans	6.4	-	1.7	-	3.6	-	.6	-	1.8	-
342	Cutlery, hand tools, and hardware	3.4	-	2.9	-	2.3	-	1.3	-	.3	-
3421,3,5	Cutlery and hand tools, incl. saws	2.9	-	2.3	-	2.4	-	1.3	-	.5	-
3429	Hardware, nec	3.9	-	3.3	-	2.1	-	1.3	-	.2	-
343	Plumbing and heating, except electric	4.3	-	3.1	-	3.0	-	1.5	-	.7	-
3431,2	Sanitary ware and plumbers' brass goods	3.8	-	2.8	-	2.3	-	1.3	-	.3	-
3433	Heating equipment, except electric	4.7	-	3.4	-	3.6	-	1.6	-	1.1	-
344	Fabricated structural metal products	4.4	-	3.2	-	3.8	-	1.6	-	1.4	-
3441	Fabricated structural steel	3.7	-	2.6	-	4.6	-	1.6	-	2.3	-
3443	Fabricated plate work (boiler shops)	2.3	-	1.7	-	2.8	-	1.0	-	1.2	-
3446,9	Architectural and misc. metal work	5.9	-	4.1	-	3.6	-	2.0	-	.7	-
345	Screw machine products, bolts, etc.	3.6	-	2.7	-	2.4	-	1.3	-	.3	-
3452	Bolts, nuts, rivets, and washers	3.0	-	2.1	-	1.9	-	.9	-	.2	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P
	DURABLE GOODS — Continued										
	FABRICATED METAL PRODUCTS — Continued										
346	Metal stampings	4.0	-	2.5	-	2.5	-	1.1	-	0.5	-
348	Miscellaneous fabricated wire products	5.2	-	3.7	-	3.6	-	1.8	-	1.1	-
349	Miscellaneous fabricated metal products	3.5	-	2.6	-	2.6	-	1.3	-	.6	-
3494,8	Valves, pipe, and pipe fittings	3.1	-	2.2	-	2.5	-	1.3	-	.6	-
35	MACHINERY, EXCEPT ELECTRICAL	2.9	3.5	1.9	2.4	2.2	2.4	.9	1.1	.6	0.6
351	Engines and turbines	2.7	-	.9	-	2.7	-	.4	-	1.3	-
3511	Steam engines and turbines	1.5	-	.8	-	1.3	-	.3	-	(¹)	-
3519	Internal combustion engines, nec	3.4	-	.9	-	3.5	-	.4	-	2.0	-
352	Farm machinery	3.2	-	1.9	-	3.4	-	1.3	-	1.2	-
353	Construction and related machinery	2.4	-	1.6	-	2.1	-	.9	-	.6	-
3531,2	Construction and mining machinery	2.0	-	1.1	-	1.9	-	.7	-	.7	-
3533	Oil field machinery	3.3	-	2.7	-	2.5	-	1.7	-	.1	-
3535,6	Conveyors, hoists, cranes, monorails	2.5	-	1.8	-	1.8	-	.9	-	.3	-
354	Metal working machinery	2.4	-	1.5	-	2.1	-	.9	-	.7	-
3541	Machine tools, metal cutting types	1.8	-	.8	-	1.2	-	.6	-	.3	-
3545	Machine tool accessories	1.9	-	1.3	-	1.4	-	.7	-	.2	-
3542,8	Miscellaneous metal working machinery	2.3	-	1.4	-	2.0	-	.9	-	.7	-
355	Special industry machinery	2.7	-	1.7	-	2.1	-	.9	-	.7	-
3551	Food products machinery	2.7	-	1.8	-	1.7	-	.8	-	.4	-
3552	Textile machinery	3.8	-	2.2	-	3.7	-	1.3	-	1.8	-
356	General industrial machinery	2.6	-	1.6	-	1.9	-	.8	-	.6	-
3561	Pumps and compressors	2.3	-	1.5	-	2.0	-	.8	-	.6	-
3562	Ball and roller bearings	2.0	-	1.0	-	1.9	-	.5	-	.8	-
3566	Power transmission equipment	2.7	-	1.1	-	1.8	-	.7	-	.5	-
357	Office and computing machines	2.3	-	1.8	-	1.6	-	.7	-	.2	-
3573	Electronic computing equipment	2.3	-	1.9	-	1.6	-	.7	-	.2	-
358	Service industry machines	4.4	-	3.0	-	2.8	-	1.3	-	.5	-
3585	Refrigeration machinery	4.5	-	3.1	-	3.0	-	1.2	-	.6	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.6	-	2.3	-	2.5	-	1.1	-	.6	-
361	Electric test and distributing equipment	3.2	-	2.2	-	2.5	-	1.0	-	.6	-
3611	Electric measuring instruments	2.2	-	1.7	-	1.8	-	1.1	-	.1	-
3612	Transformers	4.0	-	2.8	-	2.3	-	1.0	-	.2	-
3613	Switchgear and switchboard apparatus	3.4	-	2.2	-	3.3	-	1.0	-	1.3	-
362	Electrical industrial apparatus	4.2	-	2.5	-	2.2	-	1.2	-	.3	-
3621	Motors and generators	5.0	-	2.9	-	2.2	-	1.3	-	.2	-
3622	Industrial controls	3.3	-	2.0	-	2.3	-	.9	-	.4	-
363	Household appliances	5.9	-	3.0	-	3.9	-	1.7	-	.9	-
3632	Household refrigerators and freezers	7.7	-	2.5	-	5.3	-	1.1	-	2.4	-
3633	Household laundry equipment	4.6	-	2.2	-	2.3	-	1.4	-	(¹)	-
3634	Electric housewares and fans	6.2	-	3.9	-	3.6	-	2.3	-	.5	-
364	Electric lighting and wiring equipment	3.6	-	2.7	-	2.6	-	1.2	-	.4	-
3641	Electric lamps	2.4	-	1.5	-	1.5	-	.6	-	.1	-
3642	Lighting fixtures	3.8	-	2.7	-	3.1	-	1.4	-	.9	-
3643,4	Wiring devices	4.0	-	3.1	-	2.6	-	1.3	-	.3	-
365	Radio and TV receiving equipment	4.7	-	2.7	-	3.1	-	1.4	-	.7	-
366	Communication equipment	1.7	-	1.0	-	1.6	-	.6	-	.5	-
3661	Telephone and telegraph apparatus	1.2	-	.5	-	1.1	-	.3	-	.3	-
3662	Radio and TV communication equipment	1.9	-	1.2	-	1.8	-	.7	-	.6	-
367	Electronic components and accessories	4.3	-	3.0	-	3.3	-	1.6	-	.8	-
3671-3	Electron tubes	2.8	-	.9	-	5.7	-	.5	-	3.9	-
3674,9	Other electronic components	4.4	-	3.3	-	3.0	-	1.7	-	.4	-
369	Miscellaneous electrical equipment and supplies	3.0	-	1.8	-	1.7	-	.8	-	.2	-
3694	Engine electrical equipment	3.1	-	1.8	-	1.5	-	.7	-	.1	-
37	TRANSPORTATION EQUIPMENT	4.4	-	2.6	-	3.1	-	1.3	-	1.0	-
371	Motor vehicles and equipment	4.0	-	2.2	-	2.1	-	.8	-	.4	-
3711	Motor vehicles	4.2	-	1.9	-	2.0	-	.8	-	.4	-
3712	Passenger car bodies	3.7	-	2.9	-	1.8	-	1.0	-	.1	-
3713	Truck and bus bodies	4.8	-	2.8	-	2.9	-	1.5	-	.7	-
3714	Motor vehicle parts and accessories	3.8	-	2.2	-	2.0	-	.7	-	.4	-
372	Aircraft and parts	1.5	-	.9	-	1.6	-	.5	-	.7	-
3721	Aircraft	1.4	-	.8	-	1.6	-	.4	-	.7	-
3722	Aircraft engines and engine parts	1.1	-	.4	-	1.4	-	.4	-	.5	-
3723,9	Other aircraft parts and equipment	2.4	-	1.6	-	2.2	-	.8	-	.9	-
373	Ship and boat building and repairing	7.4	-	4.0	-	7.4	-	2.5	-	3.6	-
3731	Ship building and repairing	7.8	-	3.6	-	7.8	-	2.2	-	4.3	-
374	Railroad equipment	4.0	-	.6	-	5.2	-	.5	-	3.6	-
375,9	Other transportation equipment	11.1	-	9.9	-	6.9	-	4.6	-	.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P
	DURABLE GOODS — Continued										
38	INSTRUMENTS AND RELATED PRODUCTS	3.0	4.1	2.4	3.2	2.0	2.4	1.1	1.4	0.3	0.4
381	Engineering and scientific instruments	1.8	-	1.4	-	1.5	-	.7	-	.4	-
382	Mechanical measuring and control devices	3.1	-	2.2	-	2.2	-	1.1	-	.3	-
3821	Mechanical measuring devices	2.4	-	1.7	-	2.0	-	1.0	-	.4	-
3822	Automatic temperature controls	4.3	-	3.1	-	2.8	-	1.3	-	.2	-
383,5	Optical and ophthalmic goods	3.4	-	2.6	-	2.4	-	1.3	-	.4	-
384	Medical instruments and supplies	3.5	-	2.9	-	2.7	-	1.7	-	.3	-
386	Photographic equipment and supplies	2.6	-	2.4	-	1.0	-	.4	-	.2	-
387	Watches, clocks, and watchcases	4.7	-	2.0	-	3.7	-	2.0	-	.5	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.7	6.5	4.1	5.1	4.4	4.7	2.1	2.2	1.2	1.4
391	Jewelry, silverware, and plated ware	3.7	-	2.9	-	5.1	-	1.8	-	1.7	-
394	Toys and sporting goods	9.1	-	6.2	-	5.8	-	3.0	-	1.2	-
3941-3	Games, toys, dolls and play vehicles	12.1	-	7.5	-	6.5	-	3.3	-	1.2	-
3949	Sporting and athletic goods, nec	5.7	-	4.6	-	5.0	-	2.6	-	1.2	-
395	Pens, pencils, office and art supplies	3.9	-	2.7	-	2.8	-	1.4	-	.6	-
396	Costume jewelry and notions	5.9	-	4.3	-	4.9	-	2.5	-	1.5	-
393,9	Other manufacturing industries	4.2	-	3.3	-	3.4	-	1.7	-	.9	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	6.3	7.5	4.2	5.7	4.9	4.9	2.5	2.5	1.5	1.7
201	Meat products	7.0	-	5.1	-	5.7	-	3.7	-	1.2	-
2011	Meat packing plants	4.5	-	2.8	-	3.9	-	1.5	-	1.6	-
2015	Poultry dressing plants	12.1	-	9.7	-	9.3	-	8.0	-	.1	-
204	Grain mill products	4.7	-	3.0	-	3.2	-	1.5	-	1.1	-
2041	Flour and other grain mill products	2.8	-	1.9	-	2.0	-	.9	-	.7	-
2042	Prepared feeds for animals and fowls	5.0	-	3.9	-	4.0	-	2.2	-	1.2	-
205	Bakery products	4.2	-	3.3	-	3.3	-	1.7	-	.8	-
2051	Bread, cake, and related products	4.1	-	3.6	-	2.7	-	1.8	-	.2	-
2052	Cookies and crackers	4.3	-	1.8	-	6.3	-	1.3	-	3.9	-
207	Confectionery and related products	6.8	-	3.0	-	5.1	-	1.5	-	2.5	-
2071	Confectionery products	7.1	-	3.3	-	5.3	-	1.8	-	2.4	-
208	Beverages	6.9	-	4.9	-	4.1	-	2.2	-	1.1	-
2082	Malt liquors	4.6	-	2.3	-	2.7	-	.6	-	1.5	-
21	TOBACCO MANUFACTURES	2.6	-	.6	-	2.2	-	.5	-	1.2	-
211	Cigarettes	1.5	-	.3	-	1.6	-	.2	-	1.0	-
212	Cigars	2.8	-	1.5	-	3.7	-	1.8	-	1.3	-
22	TEXTILE MILL PRODUCTS	5.8	5.4	4.6	4.4	5.1	4.8	3.3	3.0	.7	.7
221	Weaving mills, cotton	5.8	-	4.6	-	5.1	-	3.6	-	.1	-
222	Weaving mills, synthetics	5.8	-	5.0	-	5.1	-	3.8	-	.1	-
223	Weaving and finishing mills, wool	5.3	-	4.1	-	4.4	-	2.7	-	.7	-
224	Narrow fabric mills	6.2	-	5.1	-	4.5	-	3.0	-	.5	-
225	Knitting mills	6.0	-	4.5	-	5.0	-	2.9	-	1.2	-
2251	Women's hosiery, except socks	5.4	-	4.5	-	3.8	-	2.9	-	.2	-
2252	Hosiery, nec	5.5	-	4.9	-	4.4	-	3.6	-	.3	-
2254	Knit underwear mills	5.3	-	4.7	-	4.5	-	3.4	-	.4	-
226	Textile finishing, except wool	4.1	-	3.5	-	3.5	-	2.0	-	.6	-
227	Floor covering mills	4.4	-	3.5	-	4.0	-	2.6	-	.6	-
228	Yarn and thread mills	7.5	-	6.2	-	7.3	-	4.8	-	1.0	-
229	Miscellaneous textile goods	3.8	-	2.7	-	4.6	-	2.0	-	1.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.4	6.1	4.4	4.5	6.1	5.9	3.2	3.1	1.9	1.9
231	Men's and boys' suits and coats	5.3	-	2.8	-	3.6	-	1.9	-	1.1	-
232	Men's and boys' furnishings	6.8	-	5.3	-	6.1	-	4.3	-	.9	-
2321	Men's and boys' shirts and nightwear	6.9	-	5.5	-	6.1	-	4.4	-	.7	-
2327	Men's and boys' separate trousers	5.4	-	4.8	-	5.0	-	3.9	-	.4	-
2328	Men's and boys' work clothing	7.7	-	6.1	-	6.5	-	5.3	-	.3	-
234	Women's and children's undergarments	6.1	-	4.6	-	5.6	-	3.7	-	1.0	-
2341	Women's and children's underwear	7.1	-	5.3	-	6.2	-	4.3	-	.9	-
2342	Corsets and allied garments	3.1	-	2.5	-	3.9	-	1.9	-	1.3	-
26	PAPER AND ALLIED PRODUCTS	3.3	4.0	2.5	3.2	2.3	2.5	1.1	1.1	.6	.6
261,2,6	Paper and pulp mills	2.7	-	2.0	-	1.3	-	.6	-	.3	-
263	Paperboard mills	2.7	-	2.1	-	1.8	-	.8	-	.4	-

See footnotes at end of table.

ESTABLISHMENT DATA
LABOR TURNOVER

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P	May 1976	June 1976 ^P
	NONDURABLE GOODS—Continued										
	PAPER AND ALLIED PRODUCTS—Continued										
264	Miscellaneous converted paper products	3.3	-	2.7	-	2.7	-	1.3	-	0.7	-
2643	Bags, except textile bags	3.8	-	3.1	-	4.3	-	1.8	-	1.8	-
265	Paperboard containers and boxes	4.0	-	3.0	-	3.2	-	1.5	-	.8	-
2651,2	Folding and setup paperboard boxes	4.2	-	2.9	-	3.7	-	1.5	-	1.3	-
2653	Corrugated and solid fiber boxes	3.7	-	2.9	-	2.5	-	1.3	-	.5	-
27	PRINTING AND PUBLISHING	2.9	3.8	2.3	3.1	2.6	2.9	1.4	1.6	.7	0.6
28	CHEMICALS AND ALLIED PRODUCTS	2.2	2.9	1.6	2.2	1.8	1.6	.7	.7	.6	.4
281	Industrial chemicals	2.0	-	1.5	-	1.2	-	.4	-	.2	-
282	Plastics materials and synthetics	1.7	-	1.1	-	1.8	-	.6	-	.7	-
2821	Plastics materials and resins	2.2	-	1.7	-	1.4	-	.6	-	.2	-
2823,4	Synthetic fibers	1.2	-	.6	-	2.2	-	.5	-	1.2	-
283	Drugs	2.0	-	1.4	-	1.4	-	.7	-	.2	-
2834	Pharmaceutical preparations	2.0	-	1.4	-	1.5	-	.7	-	.3	-
284	Soap, cleaners, and toilet goods	3.3	-	2.2	-	2.2	-	1.0	-	.4	-
2841	Soap and other detergents	2.7	-	1.8	-	1.8	-	.6	-	.5	-
2844	Toilet preparations	4.2	-	2.5	-	2.8	-	1.3	-	.5	-
285	Paints and allied products	3.7	-	3.1	-	1.7	-	1.0	-	(¹)	-
286,9	Other chemical products	2.6	-	2.0	-	1.9	-	.7	-	.7	-
29	PETROLEUM AND COAL PRODUCTS	2.6	3.6	2.0	3.0	1.5	1.8	.6	.6	.3	.7
291	Petroleum refining	1.9	-	1.6	-	1.0	-	.3	-	.2	-
295,9	Other petroleum and coal products	4.7	-	3.6	-	3.1	-	1.6	-	.6	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	5.6	6.0	4.5	5.1	4.3	5.4	2.5	3.0	.7	1.3
301	Tires and inner tubes	1.7	-	.9	-	1.3	-	.7	-	.2	-
302,3,6	Other rubber products	4.5	-	3.6	-	3.4	-	1.9	-	.6	-
307	Miscellaneous plastics products	6.8	-	5.5	-	5.2	-	3.1	-	.9	-
31	LEATHER AND LEATHER PRODUCTS	7.5	6.5	5.9	5.5	6.3	6.1	4.0	4.1	1.1	.9
311	Leather tanning and finishing	4.7	-	3.8	-	4.4	-	2.4	-	1.0	-
314	Footwear, except rubber	7.9	-	6.3	-	6.6	-	4.6	-	.9	-
	NONMANUFACTURING										
10	METAL MINING	4.0	4.2	3.1	3.4	2.4	2.3	1.3	1.3	.4	.2
101	Iron ores	3.1	-	1.9	-	1.5	-	.4	-	(¹)	-
102	Copper ores	3.5	-	2.4	-	2.3	-	.9	-	.7	-
11,12	COAL MINING	2.2	2.3	1.7	1.9	1.4	1.0	.7	.5	(¹)	(¹)
12	Bituminous coal and lignite mining	2.2	-	1.7	-	1.4	-	.7	-	(¹)	-
481	COMMUNICATION: Telephone communication	.7	-	-	-	.7	-	.3	-	.1	-
482	Telegraph communication ²	(*)	-	-	-	(*)	-	(*)	-	(*)	-

¹ Less than 0.05.

² Data relate to all employees except messengers.

^P = preliminary.
* = not available.

ESTABLISHMENT DATA

SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1965 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1965	4.1	4.1	4.2	4.1	4.1	4.3	4.2	4.2	4.4	4.5	4.7	4.9
1966	4.9	5.0	5.3	5.0	5.0	5.1	4.9	5.0	5.0	5.0	4.7	4.6
1967	4.5	4.3	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.5
1968	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.7	4.8	4.9	4.8
1969	4.9	4.8	4.9	4.8	4.7	5.0	4.7	4.4	4.7	4.7	4.6	4.5
1970	4.3	4.4	4.0	3.9	4.1	4.1	4.1	3.9	3.9	3.7	3.7	3.9
1971	3.8	3.8	3.7	3.9	3.8	3.8	3.8	4.0	3.9	3.9	4.1	4.2
1972	4.4	4.3	4.4	4.4	4.4	4.2	4.3	4.5	4.5	4.6	4.6	4.7
1973	4.8	4.9	4.9	4.7	4.7	4.8	4.7	4.7	4.8	4.9	4.9	4.5
1974	4.5	4.4	4.4	4.5	4.6	4.4	4.4	4.2	4.0	3.7	3.1	3.1
1975	3.3	3.3	3.4	3.9	3.5	3.5	4.2	4.0	3.7	3.6	3.7	3.8
1976	4.2	4.2	4.4	4.1	3.9	3.8 ^p						
New hires												
1965	2.9	3.0	3.1	2.8	2.9	3.0	3.0	3.1	3.1	3.3	3.5	3.7
1966	3.7	3.8	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.9	3.7	3.6
1967	3.4	3.4	3.2	3.1	3.1	3.3	3.2	3.2	3.3	3.3	3.4	3.5
1968	3.3	3.2	3.4	3.5	3.5	3.4	3.5	3.5	3.6	3.6	3.6	3.7
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.7	3.5	3.7	3.6	3.5	3.5
1970	3.3	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.8
1972	3.0	3.0	3.1	3.2	3.2	3.0	3.2	3.3	3.4	3.5	3.7	3.7
1973	3.9	4.2	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.9	3.9	3.7
1974	3.6	3.5	3.5	3.5	3.5	3.3	3.4	3.2	3.0	2.7	2.2	1.8
1975	1.5	1.6	1.5	1.7	1.8	1.8	2.4	2.4	2.3	2.2	2.3	2.4
1976	2.4	2.7	2.9	2.7	2.7	2.7 ^p						
Total separations												
1965	3.8	3.8	3.8	3.9	4.0	4.0	3.9	4.3	4.2	4.2	4.2	4.3
1966	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.8	4.7	4.6	4.7	4.6
1967	4.8	4.8	4.9	4.8	4.6	4.5	4.5	4.3	4.5	4.5	4.4	4.4
1968	4.6	4.5	4.5	4.4	4.5	4.6	4.6	4.8	4.7	4.7	4.5	4.4
1969	4.6	4.8	5.0	4.8	4.9	5.0	4.8	4.9	5.0	4.9	4.9	4.8
1970	4.9	5.2	4.9	5.1	4.9	4.7	4.7	4.5	4.6	4.9	4.9	4.7
1971	4.3	4.2	4.2	4.1	4.1	4.1	4.3	4.4	4.1	4.1	4.2	4.2
1972	4.2	4.0	4.1	4.2	4.2	4.3	4.5	4.2	4.2	4.1	4.1	4.2
1973	4.3	4.4	4.5	4.5	4.7	4.8	4.7	4.9	4.7	4.7	4.5	4.6
1974	4.8	4.7	4.8	4.7	4.6	4.6	4.5	4.6	4.4	4.8	5.6	6.0
1975	5.9	5.3	4.7	4.5	4.1	3.9	4.0	3.6	3.5	3.7	4.0	3.9
1976	3.5	3.5	3.9	3.7	3.8	3.8 ^p						
Quits												
1965	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.2
1966	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.7
1967	2.5	2.5	2.4	2.4	2.3	2.4	2.2	2.2	2.3	2.3	2.4	2.4
1968	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5	2.6	2.6
1969	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
1970	2.4	2.5	2.3	2.3	2.1	2.2	2.1	2.0	2.0	1.9	1.8	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972	2.1	2.0	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.4	2.4	2.6
1973	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.6	2.8	2.8	2.7
1974	2.6	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.1	2.0	1.8	1.5
1975	1.3	1.2	1.1	1.2	1.3	1.3	1.5	1.5	1.3	1.5	1.6	1.5
1976	1.5	1.6	1.7	1.7	1.7	1.8 ^p						
Layoffs												
1965	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.6	1.4	1.4	1.4	1.4
1966	1.2	1.1	1.1	1.2	1.1	1.3	1.4	1.2	1.0	1.1	1.2	1.3
1967	1.4	1.5	1.6	1.5	1.4	1.3	1.4	1.3	1.3	1.3	1.2	1.2
1968	1.4	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.2	1.2	1.1	1.1
1969	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.5	1.9	1.9	2.2	2.0	1.7
1971	1.7	1.5	1.5	1.5	1.6	1.6	1.5	2.0	1.7	1.5	1.4	1.3
1972	1.2	1.2	1.1	1.2	1.1	1.4	1.2	1.1	1.0	1.0	.9	.9
1973	.8	.7	.8	.8	.9	.8	1.0	.9	.8	.9	1.0	1.1
1974	1.4	1.2	1.2	1.1	1.1	1.1	1.0	1.3	1.4	2.0	2.5	2.6
1975	3.1	3.0	2.7	2.6	2.6	2.1	1.5	1.5	1.7	1.7	1.6	1.3
1976	1.2	1.1	1.2	1.3	1.3	1.3 ^p						

^p=preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas

[Per 100 employees]

State and area	Accession rates				Separation rates						
	Total		New hires		Total		Quits		Layoffs		
	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	
ALABAMA:											
Birmingham	3.1	2.9	1.8	1.7	2.6	2.9	0.8	0.9	1.1	1.1	
Mobile ¹	4.5	15.4	2.4	2.7	3.2	17.6	1.9	2.5	.5	14.5	
ALASKA	19.0	25.9	14.1	17.3	14.3	12.9	9.1	9.3	3.9	1.7	
ARIZONA	4.1	4.3	2.7	3.1	3.0	3.4	1.7	1.9	.6	.7	
Phoenix	4.3	4.4	2.7	3.1	3.1	3.4	1.9	1.9	.5	.8	
ARKANSAS	7.4	(*)	5.9	(*)	7.0	(*)	4.5	(*)	.8	(*)	
Fort Smith	7.2	(*)	6.2	(*)	6.5	(*)	4.4	(*)	.2	(*)	
Little Rock-North Little Rock	6.1	(*)	4.9	(*)	5.2	(*)	3.3	(*)	.5	(*)	
Pine Bluff	4.2	(*)	3.0	(*)	5.2	(*)	2.7	(*)	2.0	(*)	
COLORADO	4.0	4.6	2.9	3.5	3.2	3.7	.4	2.1	1.0	.9	
Denver-Boulder	2.3	4.4	1.6	3.4	2.0	3.6	.6	1.7	.6	.9	
CONNECTICUT	2.2	2.5	1.3	1.6	2.1	2.0	.9	.9	.6	.5	
Hartford	1.4	1.8	.9	1.3	1.7	1.5	.7	.7	.5	.3	
DELAWARE¹	2.8	3.5	1.0	1.3	4.5	2.2	.6	.8	3.3	.8	
Wilmington ¹	2.4	3.5	.8	1.3	4.4	2.2	.5	.7	3.2	.9	
DISTRICT OF COLUMBIA:											
Washington SMSA	1.7	2.5	1.3	2.0	1.7	2.1	1.0	1.2	.2	.4	
FLORIDA	4.6	4.8	3.8	4.0	4.9	4.1	2.4	2.3	1.4	.9	
Fort Lauderdale-Hollywood	4.9	5.7	4.2	5.2	4.0	3.7	2.4	2.3	.4	.3	
Jacksonville	4.0	4.8	3.6	3.8	3.7	3.3	1.6	2.0	.6	.5	
Miami	3.8	4.5	3.3	4.0	4.2	3.7	2.1	1.9	1.3	.9	
Orlando	4.7	4.5	3.7	3.5	4.0	3.6	2.5	2.0	.6	1.0	
Pensacola	1.9	1.9	1.3	1.6	1.5	1.4	.8	1.0	(²)	(²)	
Tampa-St. Petersburg	4.9	4.5	3.4	3.5	5.0	4.5	2.7	2.2	1.5	1.3	
West Palm Beach-Boca Raton	2.4	3.3	2.0	2.6	7.5	2.7	1.0	1.6	5.7	.3	
GEORGIA³	4.5	4.9	3.5	3.8	4.1	4.3	2.6	2.8	.5	.6	
Atlanta	4.0	4.1	2.6	3.0	3.6	3.2	1.9	1.7	.7	.5	
HAWAII⁴	1.9	2.4	1.2	1.5	2.4	2.1	.9	.8	.6	.9	
IDAHO^{5 6}	7.5	8.6	5.4	5.1	7.2	5.2	3.5	3.1	2.2	.9	
ILLINOIS:											
Chicago SMSA	3.0	(*)	2.0	(*)	3.0	(*)	1.3	(*)	.7	(*)	
INDIANA	3.4	3.9	1.9	2.4	2.6	2.5	1.1	1.2	.7	.5	
Indianapolis ⁷	3.1	3.1	1.2	1.8	2.1	2.3	.8	1.0	.5	.4	
IOWA	3.3	(*)	1.9	(*)	2.9	(*)	1.5	(*)	.7	(*)	
Cedar Rapids	3.2	4.0	1.5	1.4	2.1	1.7	1.0	1.0	.7	.3	
Des Moines	2.5	3.9	1.4	2.4	3.5	3.0	1.6	2.0	.6	.4	
KANSAS	4.0	5.3	3.5	4.6	4.4	4.4	2.9	3.0	.6	.6	
Topeka	3.0	3.8	2.6	3.1	4.0	4.4	2.1	1.5	1.0	2.1	
Wichita	4.0	3.9	3.6	3.5	4.6	3.5	3.0	2.3	.6	.4	
KENTUCKY	3.9	4.5	2.1	3.1	3.6	3.7	1.4	1.6	1.3	1.2	
Louisville	2.7	3.0	1.0	1.9	2.2	2.8	.6	.8	.6	1.0	
LOUISIANA:											
New Orleans	3.6	6.6	2.8	4.1	4.2	3.4	2.1	2.1	1.1	.4	
MAINE	6.2	7.5	4.6	5.6	5.7	5.6	3.3	3.6	1.4	1.1	
Portland	4.4	3.2	3.2	2.6	3.6	3.4	2.3	2.3	.5	.5	
MARYLAND	3.7	3.9	1.8	2.0	2.9	2.5	1.0	1.1	1.1	.7	
Baltimore	3.4	3.5	1.7	1.8	2.5	2.4	1.0	1.0	.9	.6	
MASSACHUSETTS	3.2	3.8	2.3	2.6	2.9	2.9	1.3	1.3	.9	.8	
Boston	2.9	3.0	2.0	2.1	2.9	2.4	1.1	1.2	1.0	.7	
MICHIGAN	2.9	3.6	1.5	2.2	2.1	2.1	.7	.8	.7	.6	
Detroit	2.9	3.9	1.5	2.4	2.0	2.2	.8	.9	.5	.4	
Flint ⁸	2.6	2.4	1.8	1.4	1.8	1.5	.5	.4	.5	.1	
Grand Rapids	4.2	4.7	2.4	2.8	3.2	3.3	1.4	1.1	1.0	1.5	
Lansing-East Lansing	3.5	3.7	2.4	3.1	3.1	1.6	1.3	1.0	.3	.1	

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P
MINNESOTA	3.4	4.0	2.3	2.9	3.0	2.7	1.5	1.7	0.9	0.6
Minneapolis—St. Paul	2.9	3.3	2.0	2.3	2.4	2.3	1.2	1.3	.7	.4
MISSISSIPPI:										
Jackson	3.8	6.0	2.8	5.3	3.0	3.0	2.0	1.8	.3	.4
MISSOURI	3.5	4.0	2.4	2.9	3.2	3.0	1.6	1.7	.8	.6
Kansas City	2.8	3.6	2.2	2.8	3.2	2.9	1.5	1.7	.8	.6
St. Louis	2.7	3.1	1.4	2.0	2.4	2.2	.8	.9	.9	.6
MONTANA	4.5	3.6	3.6	3.1	2.5	2.5	1.4	1.4	.4	.5
NEBRASKA	4.5	6.1	3.7	5.1	4.1	3.9	2.9	2.8	.5	.4
NEVADA	6.2	8.0	5.3	6.5	5.9	7.7	3.4	4.1	.7	1.2
NEW HAMPSHIRE	4.4	4.1	3.6	3.4	3.9	3.4	2.5	2.3	.7	.4
NEW JERSEY:										
Camden	3.2	2.9	1.8	1.8	2.8	2.1	.8	.6	1.3	.7
Hackensack	3.1	4.1	2.2	2.9	3.6	3.7	1.5	1.4	1.3	1.4
Jersey City	3.5	4.4	1.9	2.7	4.5	4.5	1.0	.9	2.9	2.7
Newark	2.6	3.0	1.8	1.9	2.7	2.1	1.0	.8	1.0	.6
New Brunswick—Perth Amboy—Sayreville	3.6	4.4	1.9	2.8	3.8	2.7	1.1	1.0	1.9	.9
Paterson—Clifton—Passaic	3.3	4.1	2.1	2.4	4.8	3.6	1.3	1.2	2.7	1.5
Trenton	1.9	3.0	1.2	2.0	2.3	2.9	.8	.9	.5	1.1
NEW YORK	3.4	3.8	2.0	2.3	3.3	3.4	1.0	1.0	1.6	1.7
Albany—Schenectady—Troy	3.2	3.5	1.6	2.2	2.2	2.2	.6	.7	.5	.7
Binghamton	2.1	2.4	1.6	1.8	1.8	1.5	.8	.9	.5	.3
Buffalo	2.5	3.1	.9	1.4	1.9	1.7	.4	.5	.9	.6
Elmira	2.8	2.9	1.7	1.7	2.8	1.9	.6	.5	1.3	.4
Monroe County ¹⁰	1.7	2.5	1.4	2.1	1.4	1.3	.6	.5	.4	.3
Nassau—Suffolk ¹¹	3.5	4.4	2.7	3.4	3.8	3.2	1.6	1.6	1.4	.9
New York and Nassau—Suffolk	3.9	4.4	2.6	2.8	4.1	4.7	1.2	1.2	2.1	2.7
New York SMSA ¹¹	4.0	4.4	2.6	2.7	4.2	5.0	1.1	1.1	2.3	3.1
New York City ¹²	4.3	4.6	2.7	2.8	4.5	5.4	1.1	1.1	2.5	3.4
Rochester	2.0	2.8	1.4	2.2	1.7	1.5	.6	.6	.6	.4
Syracuse	2.7	3.3	1.6	2.1	2.4	2.2	.7	.8	1.0	.8
Utica—Rome	2.7	2.2	1.5	1.5	2.7	2.3	.8	.6	1.4	1.1
Westchester County ¹²	2.4	2.6	1.5	1.7	2.6	2.8	.9	.8	1.0	1.3
NORTH CAROLINA	4.6	5.5	3.7	4.5	4.5	4.8	3.1	3.2	.5	.6
Charlotte—Gastonia	4.5	5.5	3.9	4.6	4.4	4.8	3.2	3.3	.1	.5
Greensboro—Winston-Salem—High Point	3.8	5.7	3.4	4.5	4.1	4.3	2.7	3.0	.4	.4
NORTH DAKOTA	5.3	(*)	3.4	(*)	5.7	(*)	3.6	(*)	1.2	(*)
Fargo—Moorhead	6.3	(*)	2.9	(*)	8.5	(*)	3.8	(*)	3.1	(*)
OHIO	2.8	3.2	1.4	1.8	2.4	2.2	.7	.8	1.0	.7
Akron	1.6	1.6	.8	1.0	1.5	1.7	.4	.5	.6	.8
Canton	3.1	4.2	.8	.9	3.4	2.9	.6	.7	1.8	1.3
Cincinnati	2.5	3.1	1.5	1.9	2.3	2.2	.9	.9	.8	.5
Cleveland	2.4	2.9	1.6	1.9	2.3	2.0	.9	.8	.7	.3
Columbus	2.6	2.6	1.3	1.8	1.8	1.8	.9	.8	.3	.4
Dayton	2.4	3.0	1.4	1.9	2.0	2.2	.7	.7	.6	.5
Toledo	2.8	3.0	1.2	2.0	2.1	2.3	.6	.9	.7	.8
Youngstown—Warren	4.1	3.6	.7	.7	2.9	2.6	.3	.3	1.7	1.4
OKLAHOMA	4.8	6.4	4.2	5.4	4.9	5.1	3.4	3.4	.7	.7
Oklahoma City	4.5	5.7	3.7	4.6	4.3	4.7	2.9	2.8	.6	1.1
Tulsa	4.4	6.0	4.0	4.8	5.3	4.8	3.2	3.0	1.0	.8
OREGON ¹	5.0	6.0	3.6	4.1	4.6	4.2	2.2	2.3	1.5	.9
Portland ¹	4.4	5.4	3.0	3.5	4.2	3.9	2.0	1.9	1.4	1.2
PENNSYLVANIA	3.1	3.3	1.3	1.6	2.9	2.9	.8	.8	1.4	1.4
Allentown—Bethlehem—Easton	3.4	3.0	1.1	1.4	2.1	2.8	.8	.8	.9	1.5
Altoona	3.1	4.7	2.1	1.8	4.6	3.5	1.4	1.8	2.4	.9
Erie	3.2	3.4	.8	1.1	2.7	2.3	.8	.8	1.0	.7
Harrisburg	3.0	3.1	1.8	1.9	3.0	3.2	1.2	1.1	1.2	1.7
Johnstown	2.5	3.0	.7	1.2	2.5	5.9	.5	.7	1.6	4.8
Lancaster	2.8	4.1	1.7	2.3	2.6	2.5	1.3	1.6	.8	.3

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P	Apr. 1976	May 1976 ^P
PENNSYLVANIA—Continued										
Northeast Pennsylvania	4.1	4.0	1.5	2.0	4.2	5.2	1.0	1.4	2.6	3.2
Philadelphia SMSA	2.7	2.9	1.5	1.8	2.9	2.5	.8	.8	1.2	1.0
Pittsburgh	3.1	3.0	.6	1.3	2.6	2.8	.4	.4	1.6	1.7
Reading	4.3	3.6	1.8	1.7	4.2	3.0	1.2	.9	2.3	1.4
Scranton ¹⁴	4.0	4.2	1.3	2.1	5.3	5.0	.9	1.6	3.9	2.9
Wilkes-Barre—Hazleton ¹⁴	4.1	3.4	1.6	1.4	3.6	5.0	1.2	1.1	1.7	3.1
Williamsport	2.1	2.6	1.5	1.7	2.0	1.8	.9	.9	.7	.4
York	3.2	3.5	2.1	2.4	3.8	3.7	1.5	1.5	1.7	1.7
RHODE ISLAND										
Providence—Warwick—Pawtucket	4.8	5.4	3.4	3.8	4.7	4.2	2.4	2.2	1.3	1.2
.....	4.6	5.3	3.3	3.8	4.5	4.0	2.3	2.2	1.3	1.0
SOUTH CAROLINA:										
Greenville—Spartanburg ⁶	6.4	5.9	5.3	5.4	6.1	5.3	3.7	3.9	1.0	.2
SOUTH DAKOTA										
Sioux Falls	6.4	7.3	4.8	5.5	4.5	4.3	3.0	2.9	.5	.4
.....	5.5	4.9	2.5	2.6	3.7	3.2	1.9	1.6	1.3	1.2
TENNESSEE:										
Memphis	3.9	4.0	2.6	3.0	4.1	3.7	1.4	1.6	1.3	1.1
TEXAS:										
Dallas—Fort Worth	4.7	5.2	4.2	4.6	4.2	4.3	2.8	2.8	.4	.5
Houston	3.6	4.5	3.2	4.0	4.0	4.0	2.6	2.6	.4	.3
San Antonio	5.0	5.7	4.6	5.2	4.2	3.9	2.9	2.7	.4	.4
UTAH⁵										
Salt Lake City—Ogden ⁵	5.1	6.1	4.4	4.7	4.3	4.5	3.0	3.1	.4	.6
.....	4.8	5.1	4.4	4.5	4.3	4.7	3.0	3.4	.4	.5
VERMONT										
Burlington	2.5	3.6	1.7	2.4	2.4	2.7	1.2	1.3	.8	.9
Springfield	1.6	3.2	1.0	2.0	1.0	1.2	.5	.5	.2	.3
.....	2.1	2.3	1.3	1.2	3.1	2.1	.8	.7	1.6	.9
VIRGINIA										
Richmond	3.6	3.9	2.5	3.1	3.4	3.3	1.8	2.0	.7	.5
.....	2.1	3.1	1.7	2.4	2.6	2.3	1.0	1.1	.7	.2
WASHINGTON:										
Seattle—Everett ¹⁵	3.8	3.3	2.0	2.1	3.9	3.4	1.4	1.2	1.9	1.7
WISCONSIN										
Milwaukee	2.8	3.6	1.7	2.2	2.6	2.6	1.0	1.0	.9	.9
.....	2.7	3.2	1.6	1.9	2.7	2.4	.9	.9	.9	.7
WYOMING										
.....	5.5	7.8	4.7	6.6	5.4	4.2	3.1	3.3	1.6	.1

¹ Excludes canning and preserving.

² Less than 0.05.

³ Excludes agricultural chemicals, and miscellaneous manufacturing.

⁴ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁵ Excludes canning and preserving, and sugar.

⁶ Based on the 1972 Standard Industrial Classification.

⁷ Excludes canning and preserving, and newspapers.

⁸ Initial inclusion in this publication.

⁹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

¹⁰ Subarea of Rochester Standard Metropolitan Statistical Area.

¹¹ Area included in New York and Nassau-Suffolk combined SMSA's.

¹² Subarea of New York Standard Metropolitan Statistical Area.

¹³ Excludes new-hire rate for transportation equipment.

¹⁴ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹⁵ Excludes canning and preserving, printing and publishing.

* Not available.

p=preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected areas

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976
ALABAMA	1,463.3	1,476.6	96.5	109.1	6.6	7.4
Birmingham	346.6	348.4	23.5	25.6	6.8	7.4
Huntsville	120.7	122.6	8.0	9.6	6.6	7.8
Mobile	160.2	163.7	9.9	11.0	6.2	6.7
Montgomery	101.8	104.2	5.0	6.3	4.9	6.0
Tuscaloosa	50.1	50.1	2.7	2.8	5.4	5.5
ALASKA	206.5	210.8	20.1	20.0	9.7	9.5
ARIZONA	874.3	875.9	64.7	70.9	7.4	8.1
Phoenix	509.6	509.2	38.8	41.9	7.6	8.2
Tucson	167.5	168.7	10.2	11.1	6.1	6.6
ARKANSAS	860.4	874.0	47.3	55.1	5.5	6.3
Fayetteville-Springdale	61.4	59.9	2.7	3.0	4.4	5.1
Fort Smith ¹	73.7	74.3	4.5	5.1	6.1	6.9
Little Rock-North Little Rock	157.6	162.7	5.7	9.8	3.6	6.0
Pine Bluff	31.7	32.0	2.1	3.0	6.7	9.5
CALIFORNIA	9,505.7	9,635.0	909.1	950.0	9.6	9.9
Anaheim-Santa Ana-Garden Grove	813.8	827.7	54.8	61.9	6.7	7.5
Bakersfield	150.0	154.6	13.0	13.2	8.7	8.5
Fresno	212.1	223.4	18.6	18.4	8.8	8.2
Los Angeles-Long Beach	3,243.5	3,259.0	299.8	305.9	9.2	9.4
Modesto	108.1	107.0	18.6	18.0	17.2	16.8
Oxnard-Simi Valley-Ventura	176.5	179.1	14.9	16.6	8.4	9.3
Riverside-San Bernardino-Ontario	491.9	499.5	45.2	48.5	9.2	9.7
Sacramento	377.3	383.2	35.4	38.0	9.4	9.9
Salinas-Seaside-Monterey	104.0	104.7	8.0	7.9	7.7	7.5
San Diego	629.7	637.0	70.8	74.9	11.2	11.8
San Francisco-Oakland	1,469.0	1,484.8	163.3	171.3	11.1	11.5
San Jose	590.1	597.7	51.5	54.9	8.7	9.2
Santa Barbara-Santa Maria-Lompoc	117.6	118.3	8.3	9.0	7.1	7.6
Santa Rosa	100.2	102.0	10.9	11.4	10.9	11.2
Stockton	136.9	143.8	14.1	13.7	10.3	9.5
Vallejo-Fairfield-Napa	102.6	104.3	7.1	8.0	6.9	7.7
COLORADO	1,170.5	1,202.8	63.1	73.4	5.4	6.1
Denver-Boulder	692.4	703.4	42.6	48.7	6.1	6.9
CONNECTICUT	1,459.5	1,486.6	132.6	143.6	9.1	9.7
Bridgeport	182.8	185.4	19.3	20.4	10.6	11.0
Hartford	346.0	351.5	29.1	31.0	8.4	8.8
New Britain	69.7	69.8	7.6	7.9	10.9	11.3
New Haven-West Haven	195.9	199.5	18.5	20.5	9.4	10.3
Stamford	105.5	108.4	6.8	7.7	6.4	7.1
Waterbury	104.4	107.0	10.5	11.8	10.1	11.1
DELAWARE	249.0	253.3	19.0	19.3	7.6	7.6
Wilmington ¹	224.1	227.8	17.9	18.9	8.0	8.3
DISTRICT OF COLUMBIA	344.2	351.6	24.9	27.9	7.2	7.9
Washington SMSA ¹	1,450.4	1,478.2	75.5	84.8	5.2	5.7
FLORIDA	3,439.2	3,414.7	340.2	348.7	9.9	10.2
Fort Lauderdale-Hollywood	331.8	327.2	43.7	39.7	13.2	12.1
Jacksonville	288.3	288.4	19.5	22.1	6.8	7.7
Miami	680.3	680.9	70.2	72.7	10.3	10.7
Orlando	264.5	263.6	26.2	27.0	9.9	10.2
Pensacola	101.7	100.7	5.9	6.6	5.8	6.5
Tampa-St. Petersburg	524.9	522.1	54.3	53.8	10.4	10.3
West Palm Beach-Boca Raton	183.7	177.6	22.1	21.8	12.0	12.3
GEORGIA	2,088.7	2,111.9	131.7	146.6	6.3	6.9
Atlanta	796.2	804.7	55.6	60.3	7.0	7.5
Augusta ¹	116.6	118.4	7.6	8.7	6.5	7.3
Columbus ¹	85.5	87.0	5.3	6.2	6.2	7.1
Macon	97.7	98.8	6.8	7.8	7.0	7.9
Savannah	79.7	81.2	5.1	5.7	6.4	7.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected areas—Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	MAY, 1976	JUN, P 1976	MAY, 1976	JUN, P 1976	MAY, 1976	JUN, P 1976
HAWAII	364.0	374.3	30.8	33.0	8.5	8.8
Honolulu	292.3	299.9	23.8	25.3	8.1	8.4
IDAHO	367.5	378.0	21.3	24.7	5.9	6.5
Boise City	71.7	72.7	2.4	2.7	3.4	3.7
ILLINOIS	5,017.9	5,107.0	333.9	378.7	6.7	7.4
Bloomington—Normal	54.5	52.3	2.1	2.4	3.8	4.6
Champaign—Urbana—Rantoul	73.0	70.4	3.0	3.9	4.2	5.5
Chicago	3,149.0	3,203.6	215.2	244.5	6.8	7.6
Davenport—Rock Island—Moline ¹	173.7	176.0	10.5	11.2	6.1	6.4
Decatur	56.4	57.0	4.2	4.8	7.4	8.3
Peoria	161.7	163.3	7.5	8.8	4.6	5.4
Rockford	127.8	129.4	10.8	11.5	8.4	8.9
Springfield	86.8	86.7	4.9	5.1	5.6	5.9
INDIANA	2,375.4	2,405.4	123.4	134.3	5.2	5.6
Evansville ¹	123.1	123.4	5.1	5.7	4.1	4.6
Fort Wayne	172.2	175.2	8.9	10.4	5.2	5.9
Gary—Hammond—East Chicago	273.0	279.2	15.7	17.7	5.8	6.4
Indianapolis	523.4	529.2	22.0	25.6	4.2	4.8
Muncie	54.3	53.9	3.1	3.2	5.7	5.9
South Bend	130.9	132.1	5.6	7.0	4.3	5.3
Terre Haute	76.0	77.0	4.1	4.3	5.5	5.6
IOWA	1,345.2	1,379.3	60.6	71.8	4.5	5.2
Cedar Rapids	77.8	78.3	3.6	3.9	4.6	5.0
Des Moines	161.3	163.0	8.3	9.7	5.1	5.9
Dubuque	41.4	41.0	2.6	2.8	6.2	6.7
Sioux City ¹	55.5	56.1	2.3	2.8	4.2	4.9
Waterloo—Cedar Falls	61.4	61.0	4.6	4.9	7.5	8.0
KANSAS	1,074.8	1,106.8	38.6	48.0	3.6	4.3
Topeka	83.3	85.5	3.2	4.2	3.8	4.9
Wichita	186.2	189.4	9.1	10.7	4.9	5.7
KENTUCKY	1,399.0	1,449.1	77.8	93.8	5.6	6.5
Lexington—Fayette	141.5	145.3	4.3	5.9	3.1	4.1
Louisville ¹	384.6	389.5	27.6	28.6	7.2	7.3
LOUISIANA	1,458.7	1,461.5	109.2	122.0	7.5	8.3
Baton Rouge	175.7	178.2	11.3	13.1	6.4	7.4
Lake Charles	57.2	57.7	5.0	5.5	8.7	9.6
Monroe	48.4	49.0	3.9	4.6	8.0	9.3
New Orleans	435.2	435.4	36.2	39.1	8.3	9.0
Shreveport	130.7	130.9	10.5	11.7	7.5	8.4
MAINE	429.9	445.8	31.4	34.1	7.3	7.6
Lewiston—Auburn	33.3	33.8	2.0	2.2	6.0	6.5
Portland	76.8	78.9	5.0	6.2	6.5	7.9
MARYLAND	1,846.2	1,870.1	107.8	114.8	5.8	6.1
Baltimore	932.6	943.3	61.6	65.8	6.6	7.0
MASSACHUSETTS	2,688.4	2,711.6	213.8	222.8	8.0	8.2
Boston	1,316.7	1,327.6	105.1	109.9	8.0	8.3
Brockton	75.2	75.9	6.0	6.7	8.0	8.8
Fall River ¹	70.8	70.6	5.4	5.4	7.6	7.6
Lawrence—Haverhill ¹	126.7	126.7	12.4	13.4	9.8	10.6
Lowell ¹	101.8	102.0	8.1	8.1	8.0	7.9
New Bedford	76.6	76.2	6.7	6.2	8.7	8.1
Springfield—Chicopee—Holyoke ¹	263.1	259.6	19.2	20.3	7.3	7.8
Worcester	182.5	183.0	13.9	14.2	7.6	7.8
MICHIGAN	3,866.9	3,909.5	374.2	397.4	9.7	10.2
Ann Arbor	122.5	121.8	10.0	10.4	8.2	8.6
Battle Creek	80.3	81.0	7.7	8.4	9.6	10.3
Bay City	50.2	50.6	4.8	5.3	9.6	10.6
Detroit	1,823.5	1,850.6	182.6	194.6	10.0	10.5
Flint	204.9	205.6	20.0	20.2	9.8	9.8

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected areas—Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976
MICHIGAN—Continued						
Grand Rapids	260.5	260.8	19.0	20.8	7.3	8.0
Jackson	64.4	64.6	6.6	6.3	10.3	9.8
Kalamazoo—Portage	123.0	123.7	9.0	9.8	7.3	7.9
Lansing—East Lansing	207.9	209.6	15.7	18.5	7.6	8.8
Muskegon—Norton Shores—Muskegon Heights	75.0	75.9	7.0	7.6	9.3	10.0
Saginaw	96.6	98.0	8.6	10.1	8.9	10.3
MINNESOTA	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Duluth—Superior	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Minneapolis—St. Paul	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
MISSISSIPPI	922.2	921.1	48.9	59.1	5.3	6.4
Jackson	126.1	129.4	5.5	7.4	4.4	5.7
MISSOURI	2,077.5	2,098.1	101.3	112.0	4.9	5.3
Kansas City ¹	610.2	616.0	35.3	40.8	5.8	6.6
St. Joseph	43.0	43.4	1.7	1.8	4.0	4.1
St. Louis ¹	1,016.8	1,028.4	65.6	73.1	6.5	7.1
Springfield	87.7	88.2	3.0	3.2	3.4	3.6
MONTANA	321.6	336.2	19.4	26.1	6.0	7.8
Billings	46.9	49.5	2.0	3.2	4.3	6.4
Great Falls	32.0	33.7	2.0	3.0	6.4	8.8
NEBRASKA	707.9	731.0	31.6	38.9	4.5	5.3
Lincoln	100.0	98.7	3.5	4.5	3.5	4.5
Omaha ¹	251.9	261.4	18.0	22.5	7.1	8.6
NEVADA	295.5	302.3	23.6	24.2	8.0	8.0
Las Vegas	157.1	159.9	14.3	14.6	9.1	9.1
Reno	81.6	82.2	5.0	4.8	6.1	5.8
NEW HAMPSHIRE	363.8	377.4	15.3	16.6	4.2	4.4
Manchester	61.7	63.0	2.9	2.9	4.6	4.5
NEW JERSEY	3,201.7	3,174.2	302.5	281.0	9.4	8.9
Atlantic City	74.0	74.7	8.1	7.9	10.9	10.6
Jersey City	250.2	244.4	28.7	26.7	11.5	10.9
Long Branch—Asbury Park	199.7	201.1	16.5	16.8	8.3	8.4
Newark	277.6	275.1	24.9	24.5	9.0	8.9
New Brunswick—Perth Amboy—Sayreville	886.8	881.5	84.6	77.7	9.5	8.8
Paterson—Clifton—Passaic	197.4	195.0	20.1	19.9	10.2	10.2
Trenton	149.2	147.0	9.9	9.2	6.6	6.3
Vineland—Millville—Bridgeton	53.8	53.2	5.7	5.9	10.6	11.1
NEW MEXICO	448.8	463.5	27.3	32.9	6.1	7.1
Albuquerque	167.2	170.5	10.6	13.2	6.4	7.7
NEW YORK	7,541.6	7,637.7	671.4	712.6	8.9	9.3
Albany—Schenectady—Troy	346.8	350.5	25.3	27.3	7.3	7.8
Binghamton ¹	125.1	128.3	8.1	9.1	6.4	7.1
Buffalo	560.3	565.9	58.2	60.6	10.4	10.7
Elmira	40.9	41.5	3.1	3.6	7.6	8.6
Nassau—Suffolk	1,130.1	1,158.3	79.2	90.3	7.0	7.8
New York	3,526.6	3,543.3	342.7	359.3	9.7	10.1
Poughkeepsie	95.6	96.1	5.4	6.1	5.7	6.3
Rochester	453.3	462.5	33.5	35.2	7.4	7.6
Syracuse	281.8	285.1	24.4	26.0	8.7	9.1
Utica—Rome	126.6	128.6	12.6	13.4	10.0	10.5
NORTH CAROLINA	2,492.1	2,551.1	143.3	158.0	5.8	6.2
Asheville	78.6	79.3	4.4	4.6	5.7	5.8
Charlotte—Gastonia	302.2	307.5	16.3	18.2	5.4	5.9
Greensboro—Winston-Salem—High Point	379.9	385.5	20.8	23.4	5.5	6.1
Raleigh—Durham	242.1	243.7	11.0	11.7	4.5	4.8
NORTH DAKOTA	299.5	305.3	13.3	15.7	4.4	5.1
Fargo—Moorhead ¹	65.6	66.8	2.2	2.8	3.3	4.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected areas—Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976
OHIO	4,710.0	4,771.2	324.1	344.8	6.9	7.2
Akron	288.1	292.2	22.7	24.1	7.9	8.3
Canton	177.2	178.6	14.4	14.5	8.1	8.1
Cincinnati ¹	606.4	616.8	43.0	47.1	7.1	7.6
Cleveland	883.3	896.1	53.9	58.0	6.1	6.5
Columbus	502.4	507.8	32.2	34.2	6.4	6.7
Dayton	355.4	358.5	21.4	23.1	6.0	6.5
Toledo ¹	336.4	340.5	21.8	23.6	6.5	6.9
Youngstown—Warren	234.3	237.9	20.5	22.0	8.7	9.2
OKLAHOMA	1,186.0	1,207.9	86.1	94.4	7.3	7.8
Oklahoma City	361.3	368.4	27.0	28.8	7.5	7.8
Tulsa	274.5	281.2	18.9	21.7	6.9	7.7
OREGON	1,055.2	1,082.3	94.5	97.2	9.0	9.0
Eugene—Springfield	109.9	113.3	10.4	11.5	9.5	10.2
Portland ¹	513.2	523.0	44.5	46.1	8.7	8.8
Salem	93.0	94.9	8.2	8.7	8.8	9.1
PENNSYLVANIA	5,069.2	5,119.9	384.4	404.7	7.6	7.9
Allentown—Bethlehem—Easton ¹	294.8	299.5	23.9	23.8	8.1	7.9
Altoona	55.5	56.0	4.0	4.3	7.2	7.7
Erie	123.5	122.1	12.7	12.1	10.3	9.9
Harrisburg	210.3	211.2	11.0	11.5	5.2	5.4
Johnstown	105.1	106.9	6.8	7.9	6.5	7.4
Lancaster	163.3	163.6	8.5	8.9	5.2	5.5
Northeast Pennsylvania	272.6	275.1	25.5	26.9	9.3	9.8
Philadelphia ¹	2,021.4	2,040.1	162.3	171.3	8.0	8.4
Pittsburgh	963.8	980.1	66.9	73.9	6.9	7.5
Reading	146.4	146.9	9.3	9.4	6.4	6.4
Williamsport	49.6	50.4	4.8	4.6	9.7	9.1
York	152.2	153.9	10.0	10.6	6.6	6.9
RHODE ISLAND	406.7	412.9	38.8	40.9	9.5	9.9
Providence—Warwick—Pawtucket ¹	410.7	416.3	38.8	41.0	9.4	9.8
SOUTH CAROLINA	1,196.0	1,214.2	68.9	77.7	5.8	6.4
Charleston—North Charleston	128.3	131.8	7.7	9.2	6.0	7.0
Columbia	147.0	146.5	7.7	8.4	5.2	5.7
Greenville—Spartanburg	233.3	234.5	11.9	12.9	5.1	5.5
SOUTH DAKOTA	315.5	322.4	12.0	14.4	3.8	4.5
Sioux Falls	52.4	53.7	1.8	2.1	3.4	3.9
TENNESSEE	1,824.1	1,840.2	121.3	128.3	6.7	7.0
Chattanooga ¹	177.7	180.2	7.6	8.3	4.2	4.6
Knoxville	190.6	194.0	12.0	12.2	6.3	6.3
Memphis ¹	352.6	356.9	26.1	28.7	7.4	8.0
Nashville—Davidson	345.8	348.2	22.7	22.2	6.6	6.4
TEXAS	5,395.2	5,481.0	288.6	331.6	5.3	6.1
Amarillo	81.2	83.5	2.4	3.0	3.0	3.6
Austin	195.1	199.3	7.8	10.2	4.0	5.1
Beaumont—Port Arthur—Orange	164.4	167.2	11.5	12.6	7.0	7.5
Corpus Christi	126.5	126.8	8.0	8.5	6.3	6.7
Dallas—Fort Worth	1,190.5	1,203.2	56.7	62.2	4.8	5.2
El Paso	154.4	156.0	14.4	15.0	9.3	9.6
Galveston—Texas City	81.6	83.9	5.0	6.4	6.1	7.6
Houston	1,097.1	1,117.5	58.3	70.1	5.3	6.3
Lubbock	90.8	92.1	3.3	3.9	3.6	4.2
San Antonio	378.8	392.0	26.4	34.6	7.0	8.8
Waco	71.1	72.9	3.7	4.5	5.2	6.1
Wichita Falls	56.7	57.9	2.1	2.7	3.7	4.6
UTAH	532.4	545.8	30.3	35.0	5.7	6.4
Salt Lake City—Ogden	352.0	358.8	20.5	23.2	5.8	6.5
VERMONT	200.7	204.5	18.1	19.5	9.0	9.6

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected areas--Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976	MAY. 1976	JUN. P 1976
VIRGINIA	2,265.5	2,302.0	115.0	127.5	5.1	5.5
Lynchburg	68.0	69.0	3.0	3.5	4.4	5.1
Newport News--Hampton	151.1	154.4	8.2	9.7	5.4	6.3
Norfolk--Virginia Beach--Portsmouth ¹	297.0	303.2	16.4	19.2	5.5	6.3
Richmond	292.9	296.9	10.8	12.5	3.7	4.2
Roanoke	106.9	107.6	5.2	5.3	4.8	4.9
WASHINGTON	1,554.6	1,600.2	129.7	141.2	8.3	8.8
Seattle--Everett	673.4	686.9	55.9	59.9	8.3	8.7
Spokane	126.5	130.4	9.1	10.4	7.2	8.0
Tacoma	154.5	156.0	15.0	16.0	9.7	10.3
WEST VIRGINIA	662.4	656.6	35.9	38.8	5.4	5.9
Charleston	107.7	105.2	4.2	4.4	3.9	4.2
Huntington--Ashland ¹	108.2	108.2	6.1	6.7	5.6	6.2
Parkersburg--Marietta ¹	61.7	61.1	5.1	5.0	8.2	8.1
Wheeling ¹	73.3	72.9	4.2	4.0	5.8	5.5
WISCONSIN	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Appleton--Oshkosh	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Green Bay	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Kenosha	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
La Crosse	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Madison	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Milwaukee	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Racine	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WYOMING	189.3	205.5	6.5	7.7	3.5	3.7

¹ Includes interstate portion of Area located in adjacent State(s).
p=preliminary.
N.A.=not available.

NOTE: All data are provisional. They are subject to revision as new benchmark information becomes available. Data refer to place of residence.

SOURCE: Cooperating State Employment Security Agencies listed on the inside back cover.

UNEMPLOYMENT INSURANCE DATA

UNEMPLOYMENT INSURANCE DATA

F-1. Insured unemployment under State programs

[Week including the 12th of the month]

State	Number (in thousands)					Rate (percent of average covered employment)		
	July 1975	June 1976	July 1976	Change from ¹		July 1975	June 1976	July 1976
				July 1975	June 1976			
TOTAL ^{2, 3}	3,906.1	2,628.2	2,893.5	-1,012.6	265.3	5.9	4.0	4.4
SEASONALLY ADJUSTED	4,139.0	2,919.8	3,063.4	-1,075.6	143.7	6.2	4.5	4.7
Alabama	61.1	38.7	46.8	-14.3	8.1	6.6	4.3	5.1
Alaska	6.6	8.3	6.4	-0.1	-1.8	7.5	7.3	5.4
Arizona	40.3	23.0	25.1	-15.2	2.0	6.5	3.8	4.3
Arkansas	38.2	22.8	23.2	-15.0	0.4	7.1	4.4	4.5
California	420.8	332.6	342.1	-78.7	9.5	6.4	5.1	5.2
Colorado	25.1	17.9	21.1	-3.9	3.2	3.3	2.4	2.9
Connecticut	87.2	64.2	74.1	-13.2	9.9	7.2	5.4	6.4
Delaware	10.3	7.7	8.8	-1.6	1.1	4.8	3.7	4.3
District of Columbia	16.2	10.9	11.9	-4.3	1.0	4.5	3.0	3.3
Florida	129.2	90.9	97.7	-31.5	6.8	5.0	3.4	3.7
Georgia	73.7	44.6	46.3	-27.4	1.7	5.0	2.2	3.3
Hawaii	14.4	15.2	15.3	0.9	0.1	4.6	4.8	4.8
Idaho	9.5	9.2	9.0	-0.5	-0.2	4.4	4.2	4.1
Illinois	215.6	166.4	191.0	-24.5	24.7	5.6	4.4	5.2
Indiana	75.7	32.1	33.0	-42.7	0.9	4.4	2.0	2.1
Iowa	24.4	20.8	20.9	-3.6	0.1	3.0	2.6	2.6
Kansas	20.4	16.0	16.2	-4.2	0.2	3.3	2.6	2.6
Kentucky	49.7	28.2	32.4	-17.4	4.2	5.8	3.3	3.9
Louisiana	44.8	37.2	39.3	-5.5	2.2	4.4	3.6	3.8
Maine	25.3	13.8	20.4	-4.9	6.7	8.8	4.9	7.2
Maryland	60.5	36.7	39.4	-21.1	2.7	5.3	3.2	3.5
Massachusetts	165.8	93.8	106.0	-59.8	12.2	8.1	4.8	5.5
Michigan	211.8	133.8	158.6	-53.2	24.8	7.7	4.8	5.6
Minnesota	50.6	38.9	40.6	-10.1	1.6	3.7	2.8	2.9
Mississippi	35.4	18.1	19.4	-16.0	1.3	6.4	3.4	3.6
Missouri	79.3	45.8	56.4	-22.9	10.6	5.4	3.2	4.0
Montana	7.9	8.3	8.9	1.0	0.7	4.7	4.5	4.6
Nebraska	14.9	8.7	9.0	-5.9	0.3	3.4	2.0	2.1
Nevada	12.2	10.5	11.0	-1.2	0.5	5.8	4.9	5.1
New Hampshire	20.0	8.0	10.6	-9.4	2.6	7.6	3.2	4.3
New Jersey	172.5	128.5	130.2	-42.3	1.8	7.5	5.9	6.0
New Mexico	13.5	11.4	11.3	-2.2	-0.2	5.2	4.3	4.4
New York	405.2	296.7	319.1	-86.1	22.4	6.8	5.2	5.6
North Carolina	110.8	52.2	62.8	-48.0	10.6	6.4	3.2	3.8
North Dakota	3.0	2.9	2.7	-0.4	-0.3	2.1	2.0	1.8
Ohio	190.2	93.9	96.2	-93.9	2.3	4.9	2.5	2.6
Oklahoma	31.2	24.0	25.3	-5.9	1.3	4.3	3.5	3.6
Oregon	45.4	36.0	37.0	-8.5	0.9	5.9	4.7	4.8
Pennsylvania	275.0	197.1	225.6	-49.4	28.5	7.1	5.2	6.0
Puerto Rico ²	74.1	58.8	70.2	-3.9	11.5	13.5	12.3	13.2
Rhode Island	37.4	15.8	28.3	-9.1	12.6	11.5	5.1	9.2
South Carolina	54.6	27.3	34.2	-20.4	6.9	6.6	3.5	4.4
South Dakota	3.7	3.1	3.3	-0.4	0.3	2.3	2.0	2.1
Tennessee	85.0	45.0	54.2	-30.8	9.2	6.6	3.7	4.4
Texas	86.6	53.7	57.9	-28.8	4.2	2.4	1.5	1.6
Utah	15.6	11.0	10.8	-4.8	-0.2	4.6	3.2	3.2
Vermont	10.0	7.4	7.0	-3.0	-0.4	7.5	5.7	5.4
Virginia	47.8	24.7	26.6	-21.2	1.9	3.5	1.8	1.9
Washington	80.9	67.6	70.4	-10.6	2.8	8.3	6.8	7.1
West Virginia	24.5	17.0	19.1	-5.4	2.1	5.3	3.8	4.2
Wisconsin	90.0	49.8	58.7	-31.3	8.9	5.8	3.2	3.7
Wyoming	1.8	1.7	1.6	-0.3	-0.1	1.8	1.6	1.5

1 Based on unrounded data; changes of less than 50 not shown.

3 Figures do not include claimants receiving benefits under extended benefit provisions.

2 Include data under the program for Puerto Rico's sugarcane workers. Rates exclude the sugarcane workers as comparable covered employment data are not yet available.

UNEMPLOYMENT INSURANCE DATA

UNEMPLOYMENT INSURANCE DATA

F-2. Insured unemployment in 150 major labor areas²

[In thousands, for week including the 12th of the month]

State and area	July 1975	July 1976	State and area	July 1975	July 1976	State and area	July 1975	July 1976	State and area	July 1975	July 1976
ALABAMA			INDIANA—			NEW JERSEY			PENNSYLVANIA—		
Birmingham	12.5	10.4	Continued			Atlantic City	5.2	3.4	Continued		
Mobile	4.7	4.7	Gary-Hammond—			Jersey City	17.2	14.8	Northeast		
ARIZONA			East Chicago	10.1	4.8	Newark	43.7	31.6	Pennsylvania	31.9	24.5
Phoenix	26.5	14.1	Indianapolis	13.1	6.7	New Brunswick—			Philadelphia	78.0	89.3
ARKANSAS			South Bend	4.3	1.8	Perth Amboy—			Pittsburgh	38.9	36.8
Little Rock—			Terre Haute	2.2	1.5	Sayreville	15.1	10.7	Reading	8.9	5.8
North Little			IOWA			Paterson-Clifton—			York	10.0	6.5
Rock	6.2	3.9	Cedar Rapids	1.3	1.1	Passaic	13.7	10.3	PUERTO RICO		
CALIFORNIA			Des Moines	3.6	3.7	Trenton	5.7	4.1	Mayaguez	2.4	2.5
Anaheim—S. Ana—			KANSAS			NEW MEXICO			Ponce	3.7	4.6
Garden Grove	32.3	22.4	Wichita	5.7	4.6	Albuquerque	5.9	5.3	San Juan	15.2	16.5
Fresno	8.3	6.9	KENTUCKY			NEW YORK			RHODE ISLAND		
Los Angeles—Long			Louisville	12.2	7.2	Albany—			Providence—		
Beach	162.6	119.6	LOUISIANA			Schenectady—			Warwick—		
Riverside—San			Baton Rouge	5.1	4.7	Troy	14.1	10.5	Pawtucket	35.7	23.7
Bernardino—			New Orleans	11.7	11.7	Binghamton	5.5	3.6	SOUTH CAROLINA		
Ontario	23.4	18.9	Shreveport	5.0	4.4	Buffalo	31.2	20.9	Charleston	5.2	3.7
Sacramento	16.7	15.7	MAINE			New York City			Greenville—		
San Diego	29.7	27.3	Portland	3.0	2.2	Combined Areas...	271.6	229.5	Spartanburg	13.1	5.5
San Francisco—			MARYLAND			(a) N.Y. City			TENNESSEE		
Oakland	66.9	59.3	Baltimore	37.1	23.5	plus Rockland,			Chattanooga	6.1	3.9
San Jose	22.7	18.3	MASSACHUSETTS			Putnam, and			Knoxville	7.1	4.7
Stockton	6.7	6.7	Boston	67.1	49.7	Westchester Cos. .	213.5	180.3	Memphis	16.9	14.3
COLORADO			Brocton	5.8	3.2	(b) Nassau—			Nashville—		
Denver—Boulder ..	15.8	12.7	Fall River	7.6	3.8	Suffolk	58.1	49.3	Davidson	13.0	7.5
CONNECTICUT			Lawrence—			Rochester	21.9	13.2	TEXAS		
Bridgeport	13.0	9.4	Haverhill	9.6	7.9	Syracuse	15.0	8.9	Austin		
Hartford	15.1	15.4	Lowell	7.1	4.3	Utica—Rome	6.9	5.5	Beaumont—		
New Britain	4.5	4.5	New Bedford	8.0	4.4	NORTH CAROLINA			Port Arthur—		
New Haven—			Springfield—			Asheville	3.8	1.5	Orange	5.0	3.0
West Haven	10.1	10.4	Chicopee—			Charlotte—			Corpus Christi	2.5	1.4
Stamford	4.3	7.7	Holyoke	15.7	10.1	Gastonia	11.3	5.7	Dallas	16.5	9.1
Waterbury	8.4	3.5	Worcester	8.5	6.4	Greensboro—			El Paso	5.6	4.3
DELAWARE			MICHIGAN			Winston-Salem—			Fort Worth	6.9	4.5
Wilmington	10.6	8.5	Battle Creek	5.0	3.2	High Point	14.1	7.9	Houston	11.0	9.3
DIST. OF COL.			Detroit	98.6	69.2	Raleigh—Durham ..	3.6	2.9	San Antonio	7.8	5.6
Washington	31.5	23.4	Flint	10.8	8.1	OHIO			UTAH		
FLORIDA			Grand Rapids	13.7	8.2	Akron	13.6	7.1	Salt Lake City—		
Jacksonville	5.0	4.5	Kalamazoo—			Canton	8.3	4.7	Ogden	8.4	5.8
Miami	31.4	21.9	Portage	4.2	3.8	Cincinnati	17.6	11.5	VIRGINIA		
Tampa—St.			Lansing—East			Cleveland	33.9	16.4	Newport News—		
Petersburg	20.2	18.5	Lansing	11.0	6.6	Columbus	14.3	10.1	Hampton	3.8	2.0
GEORGIA			Muskegon—			Dayton	14.0	6.6	Norfolk—		
Atlanta	25.2	15.2	Heights	5.9	3.3	Hamilton—			Virginia Beach—		
Augusta	3.6	3.5	Saginaw	4.3	2.6	Middletown	6.4	2.7	Portsmouth	7.2	4.3
Columbus	3.8	2.5	MINNESOTA			Lorain—			Richmond	6.8	2.8
Macon	3.3	2.9	Duluth—			Elyria	5.4	2.1	Roanoke	4.3	1.5
Savannah	2.9	2.4	Superior	3.5	3.0	Steubenville—			WASHINGTON		
HAWAII			Minneapolis—			Weirton	3.1	1.0	Seattle	34.2	30.9
Honolulu	11.9	13.0	St. Paul	29.8	20.2	Toledo	15.2	8.2	Spokane	7.1	5.2
ILLINOIS			MISSISSIPPI			Youngstown—			Tacoma	9.0	10.0
Chicago	158.9	111.9	Jackson	3.0	1.5	Warren	14.5	8.2	WEST VIRGINIA		
Davenport—Rock			MISSOURI			OKLAHOMA			Charleston	2.3	1.9
Island—			Kansas City	21.5	12.9	Oklahoma City	9.3	7.2	Huntington—		
Moline	4.1	4.2	St. Louis	47.0	34.2	Tulsa	6.8	5.9	Ashland	4.6	2.9
Peoria	3.9	4.1	NEBRASKA			OREGON			Wheeling	3.7	2.4
Rockford	8.0	4.8	Omaha	8.2	6.1	Portland	24.4	17.4	WISCONSIN		
INDIANA			NEW HAMPSHIRE			PENNSYLVANIA			Kenosha	3.9	2.5
Evansville	4.0	2.6	Manchester	4.6	3.4	Allentown—			Madison	5.5	4.0
Ft. Wayne	7.1	2.1				Bethlehem—			Milwaukee	25.9	15.8
						Easton	17.9	13.8	Racine	4.1	3.8
						Altoona	4.4	2.2			
						Erie	10.6	6.7			
						Harrisburg	8.3	6.4			
						Johnstown	8.4	4.9			
						Lancaster	9.5	3.7			

¹ Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs excludes extended benefit claims.

² For full name of labor area and definition of area, see Area Trends in Employment and Unemployment published by the Employment and Training Administration.

* Information not available.

Explanatory Notes

Introduction

Household Data (A tables)

Establishment Data (B, C, and D tables)

State and Area Unemployment Data (E table)

Unemployment Insurance Data (F tables)

Seasonal Adjustment

Introduction

The statistics in this periodical are compiled from three major sources: (1) Household interviews, (2) reports from employers, and (3) administrative statistics of unemployment insurance systems.

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, household 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 47,000 households, representing 461 areas in 923 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 surveys are designed to provide detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 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 of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

Data based on administrative records of unemployment insurance systems furnish a complete count of insured unemployment among the three-fourths of the Nation's labor force covered by unemployment insurance programs. Weekly reports, by State, are issued on the number of initial claims, the volume, and rate of insured unemployment under State unemployment insurance programs, and the volume under programs of unemployment compensation for Federal employees, ex-Armed Forces personnel, and railroad workers. These statistics are published by the Employment and Training Administration, U.S. Department of Labor, in "Unemployment Insurance Claims."

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 definition 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, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. 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 approach 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 records, 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 persons 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 dispute, 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. Reprints of this article are available upon request from the Bureau of Labor Statistics.

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, 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.

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, regardless of 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 (agriculture, some State and local government, domestic service, self-employment, unpaid family work, and religious organizations).

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*. Reprints of this article may be obtained upon request.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) 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 the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some 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 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. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, churches and most local government activities are not covered by unemployment insurance whereas these are included in 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 Manpower Statistics from the Current Population Survey*, BLS Report 313. This report is available from BLS on request.

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 and published 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, members of the Armed Forces, 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 members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Each month, 47,000 occupied units are eligible for interview. About 2,000 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 47,000 occupied units, there are 8,000 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

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or 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 dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

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, temporarily in the United States, who are not living on the premises of an Embassy.

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (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 wage or salary 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. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

Unemployed persons by 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) Re-entrants 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.

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 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 wage or salary 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 pick-up point.

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

The unemployment rate 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, marital status, race, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

Participation rates represent the proportion of the non-institutional population that is in the labor force. Two types of participation rates are published: The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate, which is the ratio of the civilian labor force and the civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Not in labor force includes all civilians 16 years and over 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, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled 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, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, 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 civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1970 Census of Population. In-

formation 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 blood or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he was 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. However, all the hours are credited to the major job.

The distribution of employment by hours worked relate to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in 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 time 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 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 1-34 hours for non-economic reasons and usually work full time.

Full- and part-time labor force. 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: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours, (2) that 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) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

Race. White and black and other are terms used to describe the race of workers. The black and other category, which until

recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Eskimos, Orientals, and all other non-white groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

Spanish 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 other Spanish origin or descent. According to the 1970 Census, approximately 96 percent of their population is white.

Major activity: going to school and major activity: *other* are terms used to describe whether the activity of young persons during the reference week was primarily one of going to school or not. Statistics on major activities are published every month in table A-7 for 16-21 year-olds by employment status, race, sex, and, if unemployed, whether seeking full- or part-time work.

Household head. One person in each household is designated as the head. The head is usually the person regarded as the head by the members of the group. If a husband and wife family occupy the unit, the husband is designated as the head. The number of heads is equal to the number of households. heads is equal to the number of households.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and April 30, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population; i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

Poverty areas classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. At the same time, several definitions were sharpened to clear up ambiguities. The principal definitional changes were: (1) Counting as unemployed only persons who were currently available for work and who had engaged in some specific jobseeking activity within the past 4 weeks, an exception to the latter condition is made for persons waiting to start a new job in 30 days or waiting to be recalled from layoff; in the past, the current availability test was not applied and the time period for jobseeking was ambiguous; (2) counting as employed persons who were absent from their jobs in the survey week because of strikes, bad weather, etc. and were also looking for other jobs; previously, these persons had been classified as unemployed; (3) sharpening the questions on hours of work, dura-

tion of unemployment, and self-employment in order to increase their reliability.

These changes did not affect the unemployment rate by more than one-fifth of a percentage point in either direction, although the distribution of unemployment by sex was affected. The number of employed was reduced about 1 million because of the exclusion of 14- and 15-year-olds. For persons 16 years and over, the only employment series appreciably affected were those relating to hours of work and class of worker. A detailed discussion of the changes and their effect on the various series is contained in "New Definitions of Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request.

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 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 in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of 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. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment 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.

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 population estimates had its greatest impact on estimates of 20-24 year-old males—particularly those of the black and other population—but had little effect on 16 and over totals. 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 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 males and 46,000 females. 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.

Changes in occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. This review, the most comprehensive since the 1940 census, was to reduce the size of large groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop of 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presentation, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupational classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "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*.

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. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

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 respondent for other reasons. This adjustment is made separately by combinations of sample areas and, within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are standard metropolitan statistical areas (SMSA's), these residence categories are the central cities, and 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 varies from 3 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 Nation as a whole, in such characteristics as age, race, sex, and residence. Since these population characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter 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.* This is a procedure in which the sample proportions are weighted by the known 1970 Census data on the race-residence distribution of the population. This step takes into account the differences existing at the time of the 1970 census between the race-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample proportions are applied to independent current estimates of the population by age, sex, and race. Prior to January 1974 these estimates were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries.

Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. In this procedure, the most recent census population adjusted to include estimated net census undercount by age, sex, and race (i.e., "inflated") is carried forward to each subsequent month and later age by adding births, subtracting deaths, and adding net migration. These postcensal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

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. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

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. Differences, however, are insignificant.

Reliability of the estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were

possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

Table A. Average standard error of major employment status categories

[In thousands]

Employment status and sex	Average standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force	205	150
Total employment	210	155
Agriculture	95	60
Nonagricultural employment	210	155
Unemployment	109	106
MALES		
Labor force	115	95
Total employment	125	100
Agriculture	85	55
Nonagricultural employment	130	105
Unemployment	81	89
FEMALES		
Labor force	140	110
Total employment	140	110
Agriculture	35	25
Nonagricultural employment	140	110
Unemployment	74	83

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error

Table B. Standard error of level of monthly estimates

(In thousands)

Size of estimate	Both sexes		Males		Females	
	Total or white	Black and other	Total or white	Black and other	Total or white	Black and other
10	4	4	6	4	6	4
50	9	9	11	9	11	9
100	12	12	16	12	16	12
250	20	17	25	17	25	17
500	30	25	34	25	34	25
1,000	40	35	50	35	50	35
2,500	60	40	75	40	75	40
5,000	85	45	90	—	90	—
10,000	115	—	115	—	115	—
20,000	150	—	125	—	125	—
30,000	170	—	—	—	—	—
40,000	180	—	—	—	—	—

of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration. Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the

monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for unemployment percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D. As a general rule, percentages will not be published when the monthly base is less than 75,000 or the annual base is less than 35,000. Table E shows the standard error of percentage of monthly levels and consecutive month change for frequently analyzed unemployment rate series. These errors are computed from data for recent months. Errors on change for nonconsecutive months are slightly greater (by roughly a factor of 1.1 times the month-to-month error).

Table C. Standard error of estimates of month-to-month change

(In thousands)

Standard error of monthly level	Standard error of month-to-month change
10	12
25	28
50	55
100	100
150	140
200	155
250	160
300	190

Table D. Standard error of unemployment percentages

Base of percentages (thousands)	Estimated percentage								
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50
75	1.5	2.1	3.2	4.5	5.4	6.1	6.7	7.5	8.3
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1
250	.9	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1
500	.6	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2
1,000	.4	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3
2,000	.3	.4	.6	.9	1.0	1.2	1.3	1.5	1.6
3,000	.2	.3	.5	.7	.9	1.0	1.1	1.2	1.3
5,000	.2	.3	.4	.6	.7	.7	.8	.9	1.0
10,000	.1	.2	.3	.4	.5	.5	.6	.7	.7
25,000	.1	.1	.2	.3	.3	.3	.4	.4	.4
50,000	.1	.1	.1	.2	.2	.2	.3	.3	.3
75,000	.1	.1	.1	.1	.2	.2	.2	.2	.3

Table E. Standard error of percentages for major unemployment rates

Selected categories	Monthly level	Consecutive month change	Selected categories	Monthly level	Consecutive month change
Total (all civilian workers) . . . . .	.12	.14	OCCUPATION—Continued		
Males, 20 years and over . . . . .	.14	.17	Blue-collar workers . . . . .	.23	.28
Females, 20 years and over . . . . .	.19	.24	Craft and kindred workers . . . . .	.32	.39
Both sexes, 16-19 years . . . . .	.56	.72	Operatives . . . . .	.36	.46
White workers . . . . .	.12	.15	Nonfarm laborers . . . . .	.66	.84
Black (and other) workers . . . . .	.43	.55	Service workers . . . . .	.32	.40
Household heads . . . . .	.12	.15	Farm workers . . . . .	.43	.53
Married men . . . . .	.13	.16	INDUSTRY		
Full-time workers . . . . .	.12	.15	Nonagricultural private wage and salary workers . . . . .	.14	.17
Part-time workers . . . . .	.35	.44	Construction . . . . .	.75	.95
Unemployed 15 weeks and over . . .	.06	.07	Manufacturing . . . . .	.27	.34
Labor force time lost . . . . .	.12	.15	Durable goods . . . . .	.36	.45
OCCUPATION			Nondurable goods . . . . .	.43	.54
White-collar workers . . . . .	.13	.15	Transportation and public utilities . .	.41	.52
Professional and technical . . . . .	.20	.24	Wholesale and retail trade . . . . .	.28	.35
Managers and administrators except farm . . . . .	.23	.28	Finance and service industries . . . . .	.23	.29
Sales workers . . . . .	.39	.48	Government wage and salary workers . .	.19	.24
Clerical workers . . . . .	.24	.30	Agricultural wage and salary workers . .	1.11	1.39

Establishment data
(B, C, and D tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in nonagricultural establishments, by industry and geographic location.

Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents, and together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These

schedules are of the “shuttle” type, with space for each month of the calendar year. The collection agency returns the schedule to the respondent each month so that the next month’s data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, payroll and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. 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 most important product or activity.

All national, State, and area employment, hours, earnings, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1967.

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 in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid 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 contract construction, and nonsupervisory employees in the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

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, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers include the following employees in the contract construction division: Working supervisors, qualified craft workers, mechanic's apprentices, laborers, etc., whether working at the site of construction or 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 similar occupational levels, and other employees 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 and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which 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.

Gross average hourly and weekly earnings

Average hourly earnings are on a "gross" basis, reflecting 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. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. 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 does 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.

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross 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 causes, 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 gross 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 service 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 the portion of the gross average weekly hours which were in excess of regular hours and for which overtime premiums were paid. If an employee worked on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross 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 gross 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 gross hours.

Hours and earnings for total private nonagricultural industries

The series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as the Bureau's *Employment and Wages, County Business Patterns* of the Bureau of the Census, and additional supporting information such as The Hospital Guide, Part II, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the service division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings* and *Monthly Report on the Labor Force*. Reprints are available upon request.

Railroad hours and earnings

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

Spendable average weekly earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker and his marital status, as well as on the level of his gross income. To reflect these variables, spendable

earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with either none or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Measures of Purchasing Power Contrasted," in the *Monthly Labor Review* for April 1971. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (1967).

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 gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is 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 payrolls and hours

The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the monthly average for the 1967 period. The hour aggregates are the product of average weekly hours and production-worker or nonsupervisory worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of aggregation, hour and payroll 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 172 unpublished 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*.

Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

Accessions are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

New hires are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from other establishments of the company and employees recalled from layoff.

Separations are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations, are defined as follows:

Quits are terminations of employment initiated by employees, failure to report after being hired, and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

Layoffs are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry 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, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table F. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover.

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, 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 comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1974 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover nearly nine-tenths of the total nonagricultural employment 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 relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates 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 due to benchmark adjustment for the last 3 years is shown in table G.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics, entitled *Employment and Earnings*, United States.

Table F. Summary of methods for computing industry statistics on employment, hours, and labor turnover

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees	All employees 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.	Sum of all employee estimates for component cells.
Production or nonsupervisory workers, women employees . . .	All employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers.	Average, weighted by production or nonsupervisory employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers.	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings . . .	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours.	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
Annual average data		
All employees and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross 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.
Gross average hourly earnings . . .	Annual total of aggregate payrolls (production or nonsupervisory worker employment multiplied by weekly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

Table G. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1971, 1973, and 1974

Industry division	1971	1973 ¹	1974
Total	100.2	98.4	99.9
Mining	99.8	96.5	97.0
Contract construction	96.9	90.4	100.6
Manufacturing	100.4	98.9	99.9
Transportation and public utilities	100.9	99.3	100.0
Wholesale and retail trade	100.3	97.8	100.1
Finance, insurance, and real estate	100.2	99.5	98.9
Services	100.4	99.1	99.3
Government	100.0	99.5	100.6

¹ 2-year 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. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

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 percentage 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 accept samples in these divisions 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 establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and labor turnover statistics programs, with their 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 reports are mailed by respondents, 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 H 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. Table I shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table H. Approximate size and coverage of BLS employment and payrolls sample, March 1974¹

Industry division	Number of establishments in samples	Employees	
		Number reported	Percent of total
Total	158,400	31,637,000	41
Mining	2,100	307,000	46
Contract construction ..	16,500	771,000	20
Manufacturing	47,000	11,821,000	59
Transportation and public utilities:			
Railroad transportation (ICC) ..	95	537,000	94
Other transportation and public utilities	7,300	2,181,000	53
Wholesale and retail trade	38,200	3,050,000	18
Finance, insurance, and real estate	10,100	1,507,000	36
Services	23,500	2,740,000	20
Government:			
Federal (Civil Service Commission) ²	3,200	2,691,000	100
State and local	10,400	6,032,000	52

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

² National estimates of Federal employment are provided to the BLS by the Civil Service Commission. State and area estimates are based on a sample of 3,200 reports covering about 53 percent of employment in Federal establishments.

Table I. Approximate size and coverage of BLS labor turnover sample, March 1974

Industry	Employees	
	Number reported	Percent of total
Total	10,873,730	52
Manufacturing	10,007,800	51
Metal mining	61,850	66
Coal mining	56,770	35
Communication:		
Telephone	734,270	74
Telegraph	13,040	61

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 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. Improvements brought about by the most recent expansion in unemployment insurance coverage were the major cause of differences in the March 1973 benchmark adjustments. (See article by Carol M. Utter, "BLS Establishment Estimates Revised to March 1973 Benchmark Levels", in the December 1974 issue.) Table J presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for 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 J and for individual industries with the specified number of employees in table K. 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).

Table J. Average benchmark percent revision in employment estimates and relative errors¹ for average weekly hours and average hourly earnings by industry division

Industry division	Average benchmark revision in estimates of employment ²	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2	-	-
Total private .....	.1	0.1	0.2
Mining	1.2	.5	.5
Construction	1.2	.2	.3
Manufacturing .....	.3	.1	.1
Durable goods ....	.4	.1	.1
Nondurable goods .....	.3	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.3	.1	.2
Wholesale	1.0	.2	.3
Retail .....	.2	.2	.2
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.8
Government ³ .....	.6	-	-

¹ Relative errors relate to March 1971 data.

² The average percent revision in employment for the 1967-71 and 1974 benchmarks.

³ Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

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 experience of the last 6 years) of differences between final estimates and benchmarks are presented in table K.

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 L 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 .1 of an hour for weekly hours and 1 cent for hourly earnings.

Table K. 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 (in percent)	
		Average weekly hours	Average hourly earnings
50,000	1,900	0.9	1.5
100,000	2,700	.7	1.1
200,000	4,100	.5	.9
500,000	9,600	.4	.8
1,000,000	13,000	.3	.5
2,000,000	16,800	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

Table L. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	1,000	900
200,000	1,700	1,700
500,000	2,600	2,400
1,000,000	5,000	4,900
2,000,000	9,000	8,700
10,000,000	29,000	26,000
Total nonagricultural employment	98,000	87,000
Mining	5,000	5,000
Contract construction	20,000	21,000
Manufacturing	45,000	42,000
Transportation and public utilities	13,000	11,000
Wholesale and retail trade	35,000	32,000
Finance, insurance, and real estate	7,000	7,000
Services	29,000	23,000
Government	44,000	42,000

STATISTICS FOR STATES AND AREAS

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

national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

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

PRODUCTIVITY DATA

(Tables C-10, C-11, and C-12) 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.

Definitions

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 labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

Compensation per hour includes wages and salaries of employees plus employers contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index.

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* includes 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 private business sector and the nonfarm business sector, these indexes relate to the Gross Domestic Product less households and institutions, owner-occupied, housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate businesses.

Manufacturing data have been revised to reflect revisions in the Federal Reserve Board Index of Industrial Production. 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 hour data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

State and area unemployment data

(E table)

Since November 1972, the Bureau of Labor Statistics has been responsible for developing the concepts and methods used by State employment security agencies to estimate State and local area labor force, employment, and unemployment. In December 1975, the Office of Management and Budget extended this responsibility to include the publication of State and local area labor force and unemployment estimates. Prior to 1972, State agencies prepared estimates using a method developed by the Department of Labor in 1950, generally referred to as the Handbook method (BES Report No. R-185). The new system combines the Handbook method with a set of procedures based on the concepts and definitions used in the national Current Population Survey (CPS). Improvements have been in two areas: (1) The estimating methodology previously used by State agencies has been modified to more closely approximate CPS definitions; and (2) The State-prepared monthly estimates are benchmarked to annual average totals from the CPS.

Federal-State cooperative program

Labor force and unemployment estimates for States, labor market areas (LMA), and other areas specifically defined for fund allocation purposes are developed under a Federal-State cooperative program and transmitted each month to BLS. The local area unemployment estimates approved by BLS are the basis for determining eligibility of an area for benefits under Federal economic assistance programs, such as those established by the Comprehensive Employment and Training Act (CETA).

ESTIMATING METHODS

Monthly employment and unemployment estimates are prepared in several stages:

1. *Preliminary estimate—Employment:* The total employment estimate is based primarily 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 Current Population Survey. Adjustment factors for the major categories of employment by class of worker and industry have been developed 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.

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 either entering the labor force for the first time or reentering after a period of separation.

An estimate for those previously employed in covered industries is derived from a count of current unemployment 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 persons 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 the current ratio of covered unemployment to covered employment to the employment estimate for each industry or class of worker subgroup in the State, 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 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. *Adjustment for additivity.* Using the Handbook method, States prepare independent employment and unemployment estimates for the State, and for many substate areas. An adjustment is applied to all substate estimates to ensure that the substate estimates add to the independent State totals. Specific additivity adjustment procedures vary from State to State, but are generally one of the three following basic methods: (a) If a State is comprised of mutually exclusive and exhaustive LMA's, then the difference between the independent State estimate and the sum of the estimates for the LMA's is prorated over all LMA's in the State, to produce a set of substate estimates which add to the independent State estimate; (b) If the mutually exclusive LMA's do not exhaust the geographic area of the State, then the difference between the independent State estimate and the sum of the LMA estimates, or residual, becomes the balance-of-State estimate; (c) If a State contains LMA's which are benchmarked independently (see below), estimates for these areas are subtracted from the independent State estimate and the additivity adjustment is then applied to the remaining areas in the balance of the State.

4. *Benchmark correction and extrapolation procedures.* Once each year all monthly estimates prepared by State employment security agencies under the Handbook method are adjusted, or benchmarked, by BLS to the annual average estimates resulting from the CPS. This adjustment is necessary because

the State-prepared estimates are not as reliable as the CPS estimates, due to differences in State UI laws, the structural limitations of the Handbook method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly Handbook estimates are adjusted by the ratio of the CPS and Handbook 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 second-stage estimates are forced into agreement with CPS annual averages.

The benchmarked estimates are extrapolated into the current year by applying the latest relevant correction factor to the current Handbook estimates of employment and unemployment. The employment factor used in year (t) is the quotient of the December employment benchmarked and Handbook estimates in year (t-1). The unemployment factor for year (t) is the algebraic difference between the December unemployment benchmarked and Handbook estimates in year (t-1). The preliminary estimate in the current year is then the result of applying the correction factor by multiplication (for employment), or by addition (for unemployment) to the current Handbook estimate.

Unemployment insurance data

(F tables)

Insured unemployment represents the number of persons reporting a week of unemployment under an unemployment insurance program. It includes some persons who are working part time who would be counted as employed in the payroll and household surveys. Excluded are persons who have exhausted their benefit rights and workers who have not earned rights to unemployment insurance. In general, excluded from coverage are those persons engaged in agriculture, domestic service, unpaid family work, selected nonprofit organizations, some State and local government and self-employment. Also excluded from the insured unemployment count, but included as employed in the household survey, are those persons who earned no wages during the payroll period because they were temporarily absent from their jobs due to taking time off, illness and industrial dispute as well as unpaid vacations. The rate of insured unemployment is

the number of insured unemployed expressed as a percent of average covered employment in a 12-month period ending 6 to 8 months prior to the week of reference. Initial claims are notices filed by those losing jobs covered by an unemployment insurance program that they are starting a period of unemployment. A claimant who continued to be unemployed a full week is then counted in the insured unemployment figure.

Because of differences in State laws and procedures under which unemployment insurance programs are operated, State unemployment rates generally indicate, but do not precisely measure, differences among the individual States. Persons wishing to receive a detailed description of the nature, sources, inclusions and exclusions, and limitations of unemployment insurance data should address their inquiries to Employment and Training Administration, Washington, D.C. 20210.

Seasonal adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, 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 in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment methods used for these series are an adaptation of the standard ratio-to-moving average method, with a provision for moving "adjustment factors" to take account of changing seasonal patterns. A detailed description of the method is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal ad-

justment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. All other series are adjusted following past procedures.

All civilian 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 (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted series for major components of the labor force based on data through December 1975, new

seasonal factors for the 12 major components of the civilian labor force, and a description of the seasonal adjustment methodology are published in the February 1976 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, the seasonally adjusted series on hours and hourly earnings, for industry groupings are computed by applying factors directly to the corresponding unadjusted series, utilizing the BLS Seasonal Factor Method. However, seasonally adjusted employment totals for all employees and production workers by industry division are obtained by summing seasonally adjusted data for the component industries. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing seasonally adjusted average weekly earnings by the seasonally adjusted Consumer Price Index. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or non-supervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods producing, total private service producing, trade, manufacturing, and durable and non-

durable goods 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 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

Labor turnover rates are seasonally adjusted by applying appropriate seasonal factors to the rate. These factors are derived by the Census X-11 method using the trading day option. As a result these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through June 1975. Seasonal factors to be used for current adjustment appear in the October 1975 issue of *Employment and Earnings*.

Additional information concerning the preparation of the labor force, employment, hours, earnings, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in the *Handbook of Methods, BLS Bulletin 1910*.

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