

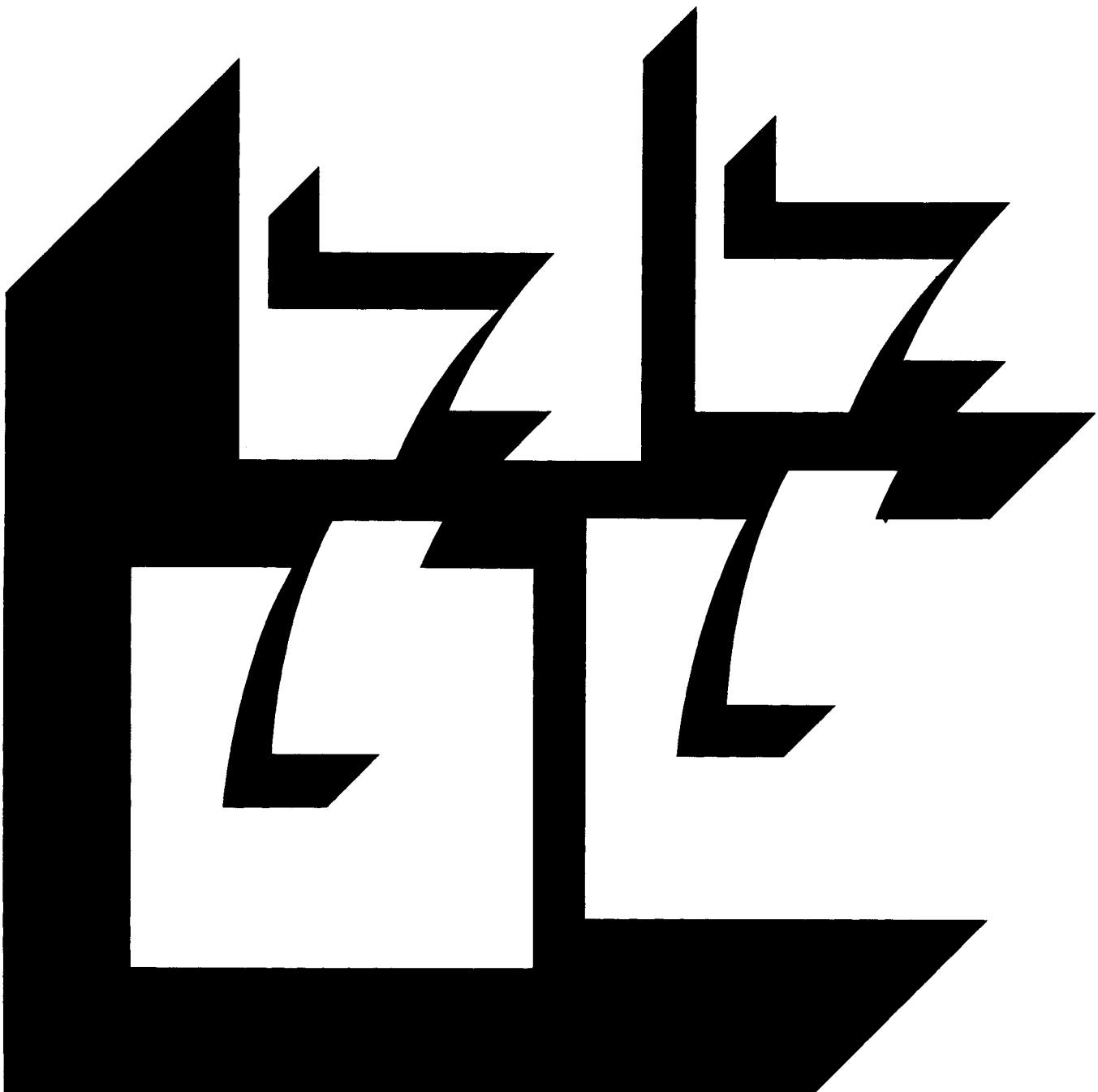
Employment and Earnings

May 1977



U.S. Department of Labor
Bureau of Labor Statistics

Vol. 24 No. 5





U.S. DEPARTMENT OF LABOR

Ray Marshall, Secretary

BUREAU OF LABOR STATISTICS

Julius Shiskin, Commissioner

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Employment and Earnings

Vol. 24 No. 5 May 1977

Editors: Chester L. Green, Gloria P. Green, James A. McCall

Editors' Note

Publication of State and area annual averages (usually published in the May issue) will be delayed due to processing problems.

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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	July	Aug.	Oct.	Nov.	Dec.
Household data										
Annual averages	x									
Revised seasonally adjusted series		x								
Quarterly averages:										
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Persons not in labor force										
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Poverty-nonpoverty area data										
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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)						(1)		
Revised seasonally adjusted series		(2)								(2)
State and area annual averages					x					
Area definitions					x					

¹ The issue that introduces new benchmarks varies. The October 1975 issue marks the introduction of March 1974 benchmarks. Interim revisions of selected series appear in the February 1977 issue.

² Revised data introduced December 1976 and February 1977.

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Employment and Unemployment Developments, April 1977

Employment in April continued its recent pattern of strong growth and unemployment declined. The overall unemployment rate fell from 7.3 percent in March to 7.0 percent, its lowest level in 29 months. The rate has decreased 1 full percentage point in the last 5 months and 2 percentage points from its May 1975 recession peak.

Total employment—as measured by the monthly survey of households—rose by more than half a million for the second month in a row, reaching a milestone of 90 million persons. Employment growth has been especially sharp since last October, totaling nearly 2.3 million, or an average of 380,000 a month.

Nonagricultural payroll employment—as measured by the monthly survey of establishments—also continued to exhibit marked growth with an increase of 270,000 in April to 81.6 million. Payroll jobs have expanded by almost 1.8 million since last October.

Unemployment

The number of persons unemployed declined by 330,000 in April to 6.7 million, seasonally adjusted. This decrease took place primarily among persons who had lost their last job (including many who were recalled from layoff), and to a lesser extent among job leavers. Total unemployment has declined by more than 900,000 since its 1976 peak level reached last November, with nearly all of the improvement occurring among persons who had lost their last job.

The overall rate of unemployment declined from 7.3 to 7.0 percent over the month and was down a full percentage point from last November. In 1976, the rate had moved up from a low of 7.3 percent in May to the year's high of 8.0 percent during the second half "pause" in the economic expansion.

Although nearly every worker group shared in the March-April downturn in unemployment, most of the reduction took place among adult men, whose jobless rate, at 5.0 percent, was also at its lowest point in 29 months. In addition, teenage unemployment showed its first sign of improvement in over a year, as the jobless rate moved down from 18.8 to 17.8 percent. The rate for adult women, on the other hand, was little changed over the month, at 7.0 percent. Among other worker categories, unemployment declined for male heads of households and white workers. The jobless rate for workers in the construction

industry fell by more than 2 percentage points to 12.0 percent in April, its lowest level in 2½ years; the rate had been over 21 percent at the trough of the recent recession. Among the major occupational groups, the decline in unemployment was greatest for blue-collar workers.

The number of persons looking for work for 15 or more weeks—the long-term unemployed—continued the decline that began in January, dropping by 100,000 to 1.8 million. However, because there was an even larger decrease (over 200,000) among those unemployed from 5 to 14 weeks, there was a slight increase in the average (mean) duration of joblessness over the month, from 14.0 to 14.3 weeks.

In addition to the drop in total unemployment, there was also a small reduction in the number of persons working part time for economic reasons. With the exception of the weather-energy related upturn in February, their number has also trended downward since reaching a November 1976 high of 3.5 million.

Total employment and labor force

Total employment rose for the sixth consecutive month, advancing by 550,000 in April to 90.0 million, seasonally adjusted. All three of the major age-sex categories shared in the expansion, with the largest gain taking place among adult women. Over the past year, employment has grown by 2.7 million, more than half of it in the last 3 months.

The employment-population ratio—the proportion of the total noninstitutional population that is employed—sustained its recent steady rise and in April stood at 57.0 percent. This was only 0.4 percentage point below the all-time high last reached in March 1974.

The civilian labor force increased by 220,000 in April. The labor force has risen by 2.4 million since last April with adult women accounting for 60 percent of this growth.

The civilian labor force participation rate—the proportion of the civilian noninstitutional population that is either working or looking for work—continued to rise. It was at an all-time high in April—62.1 percent—well above the year-earlier level of 61.5 percent. The over-the-year increase has been dominated by the pronounced upsurge of adult women into the labor market. Adult men, on the other hand, have resumed their very gradual long-term downtrend in recent months, such that their rate of participation in April was below that of a year ago.

Industry payroll employment

Total nonagricultural payroll employment also increased for the sixth consecutive month, advancing by 270,000 in April to 81.6 million, seasonally adjusted. Over-the-month gains occurred in 75 percent of the industries that comprise the BLS diffusion index of nonagricultural payroll employment. Since last April, payroll employment has grown by 2.3 million, with over three-quarters of the increase occurring in the past 6 months.

The largest over-the-month increases occurred in manufacturing (80,000) and contract construction (75,000). Unlike recent months when there were strong gains in durable goods industries, most of the April advance in manufacturing took place in the nondurable goods sector, with the increases widespread throughout. Factory jobs have risen by 540,000 since last October. The increase in contract construction marked the third straight month of substantial growth, bringing employment in the industry to 3.8 million, 415,000 above its June 1975 recession low.

In the service-producing sector, employment in services rose by nearly 50,000, while gains of about 20,000 each were posted in wholesale trade and finance, insurance, and real estate.

Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls was 36.2 hours in April, seasonally adjusted, unchanged from the revised March level. The manufacturing workweek moved down 0.2 hour to 40.2 hours, while factory overtime edged up 0.1 hour to 3.4 hours.

Reflecting the increase in employment, the index of aggregate hours of private nonagricultural production or nonsupervisory workers rose to new high of 115.4 in April (1967=100), 3.5 percent above its year-earlier level. The factory index edged up to 97.3 in April and was up 4.6 percent from last April.

Hourly and weekly earnings

Both average hourly and weekly earnings of private nonagricultural production or nonsupervisory workers increased 0.8 percent in April, seasonally adjusted. Since last April, hourly and weekly earnings have risen 7.7 percent and 8.0 percent, respectively.

Before adjustment for seasonality, average hourly earnings were \$5.14, up 3 cents from March. Hourly earnings were 36 cents above the April 1976 level. Average weekly earnings rose \$1.08 over the month to \$184.53 and have risen \$13.41 since April a year ago.

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 195.2 (1967=100) in April, 0.6 percent higher than in March. The index was 7.0 percent above April a year ago. During the 12-month period ended in March, the Hourly Earnings Index in dollars of constant purchasing power rose 0.6 percent. (Several data series have been revised slightly as a result of corrections in the computerized data file and the introduction of more precision in the processing system.)

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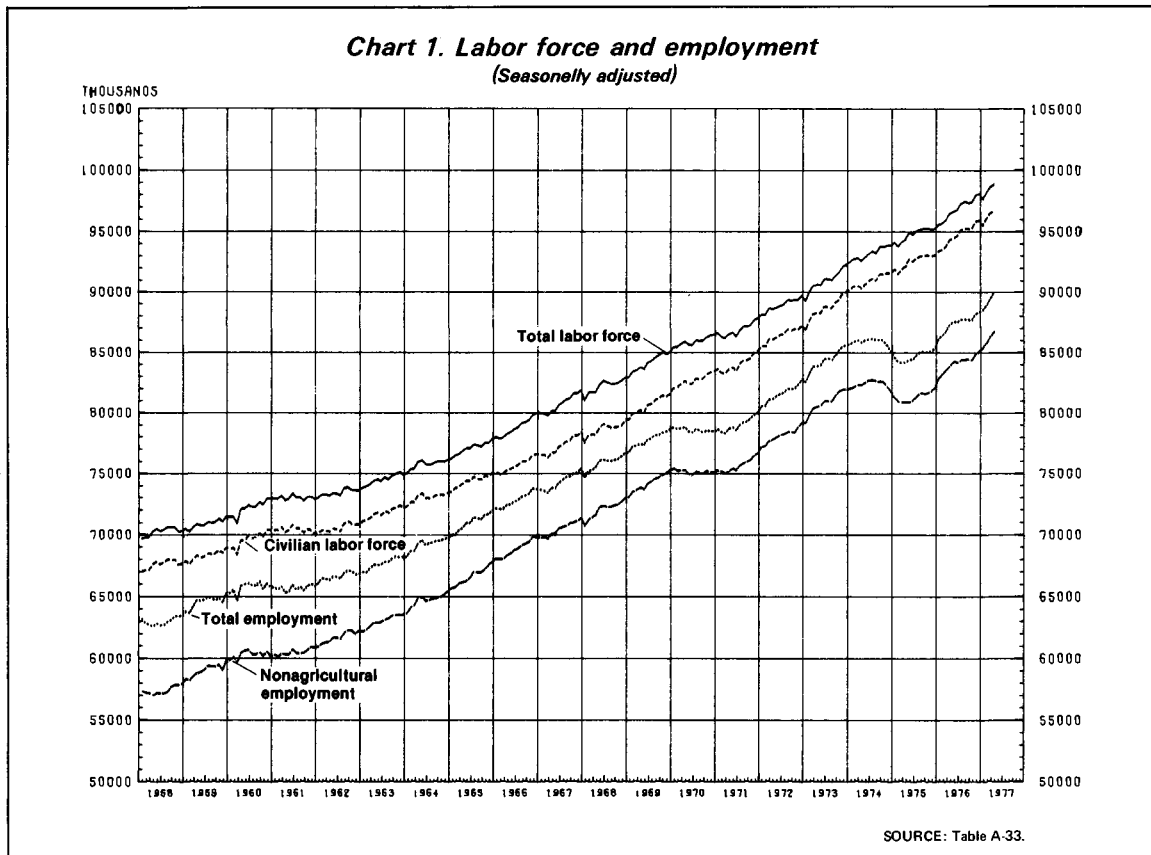
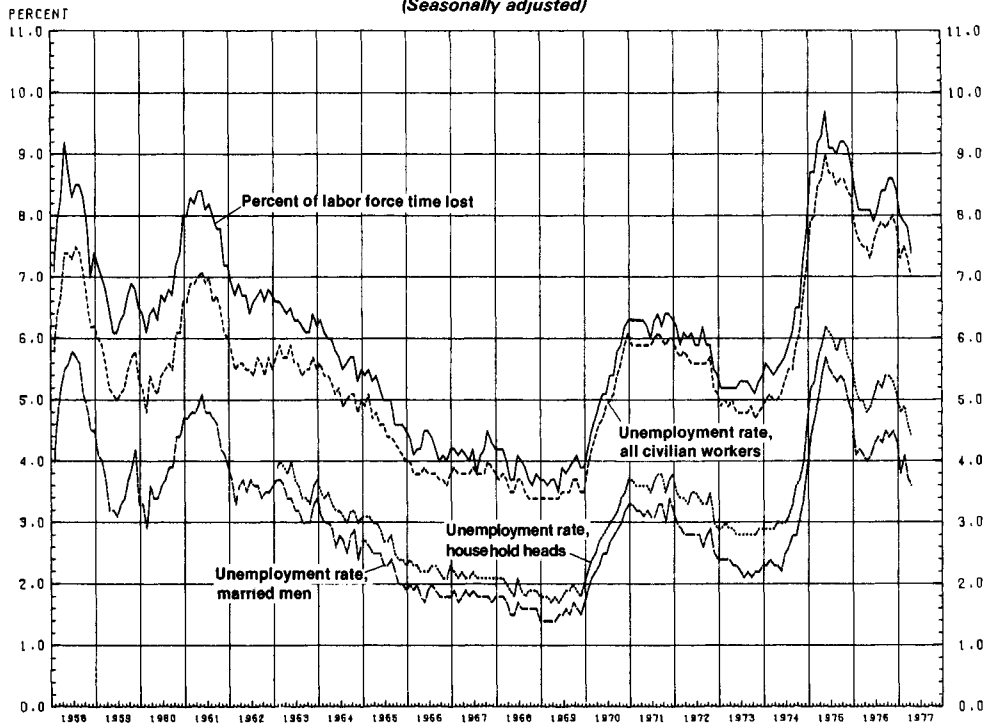
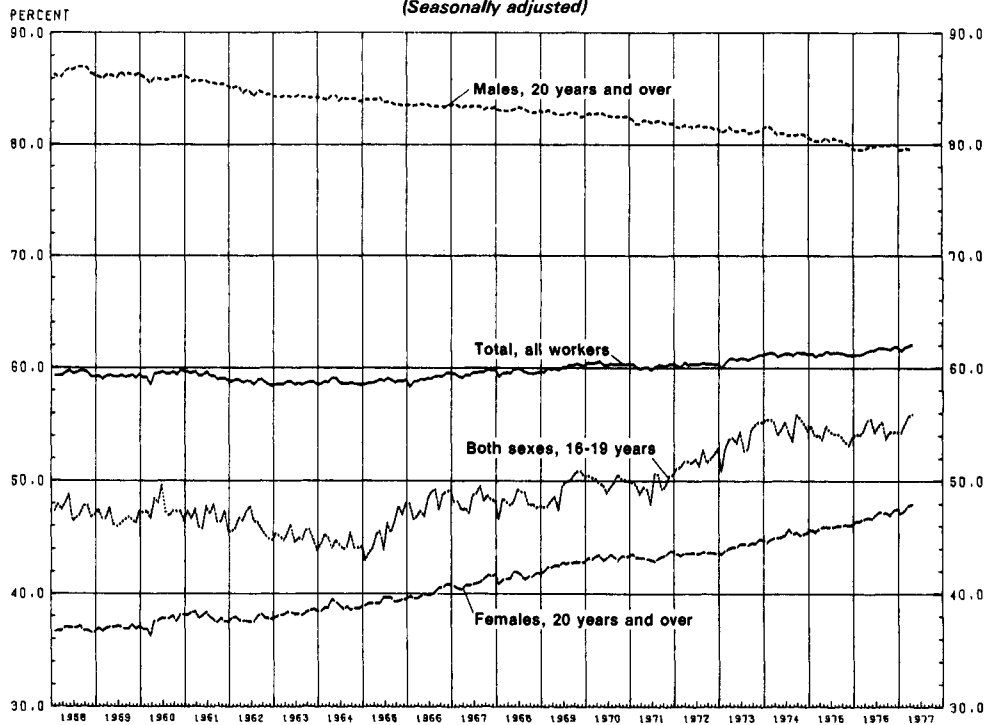


Chart 2. Major unemployment indicators
(Seasonally adjusted)



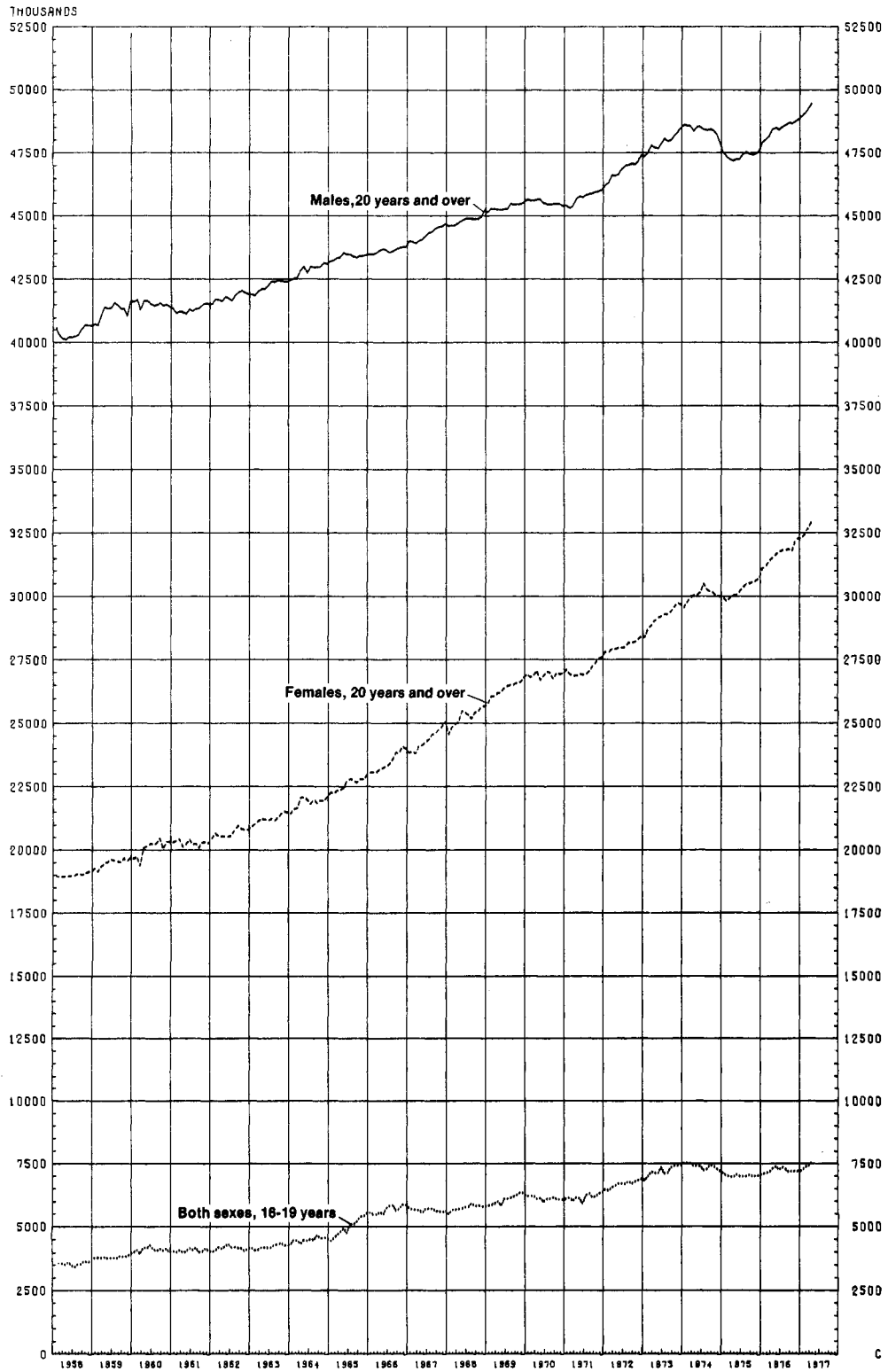
SOURCE: Table A-36.

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



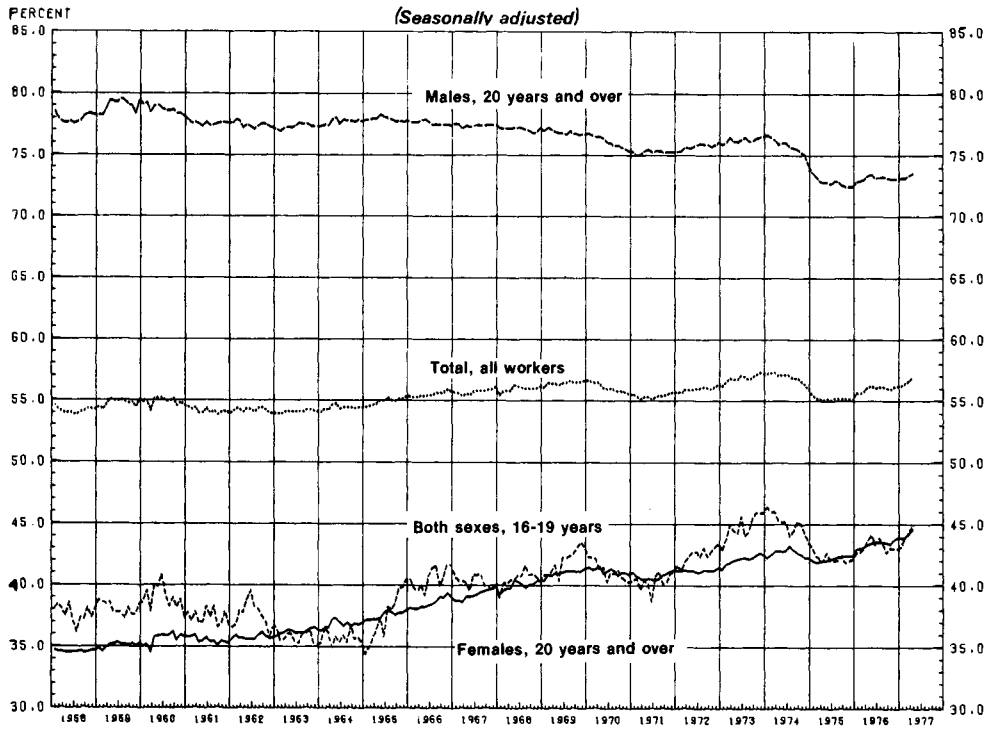
SOURCE: Table A-33.

Chart 4. Total employment by sex and age
(Seasonally adjusted)



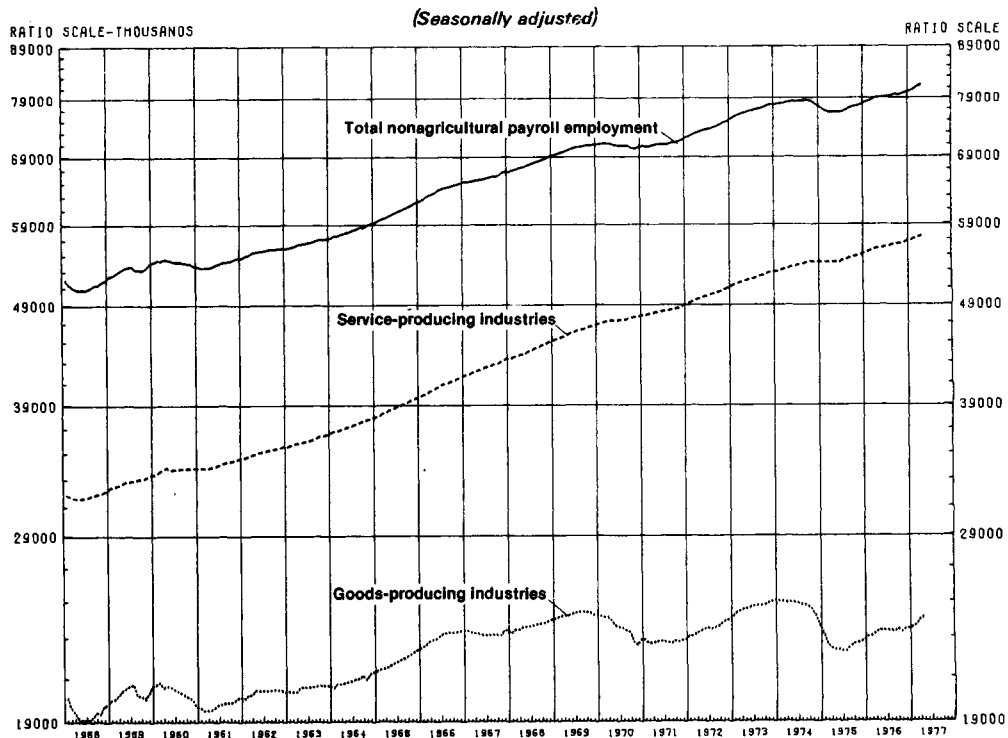
SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age



SOURCE: Table A-33.

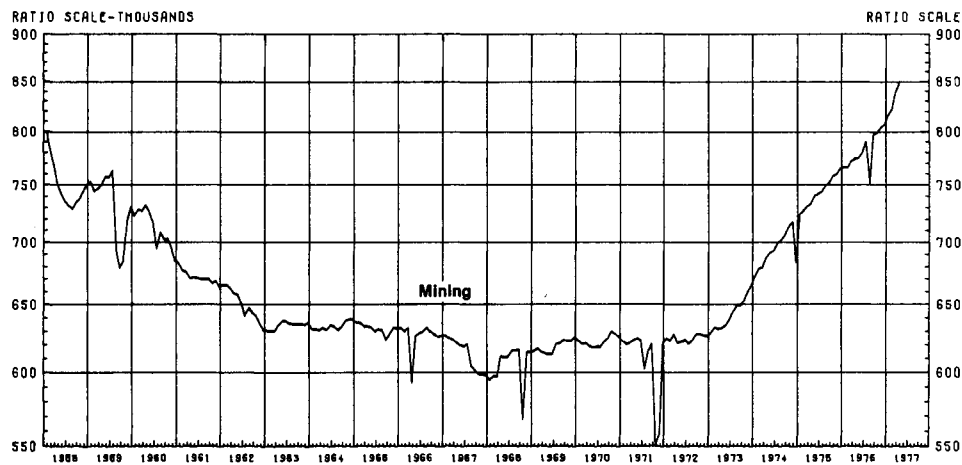
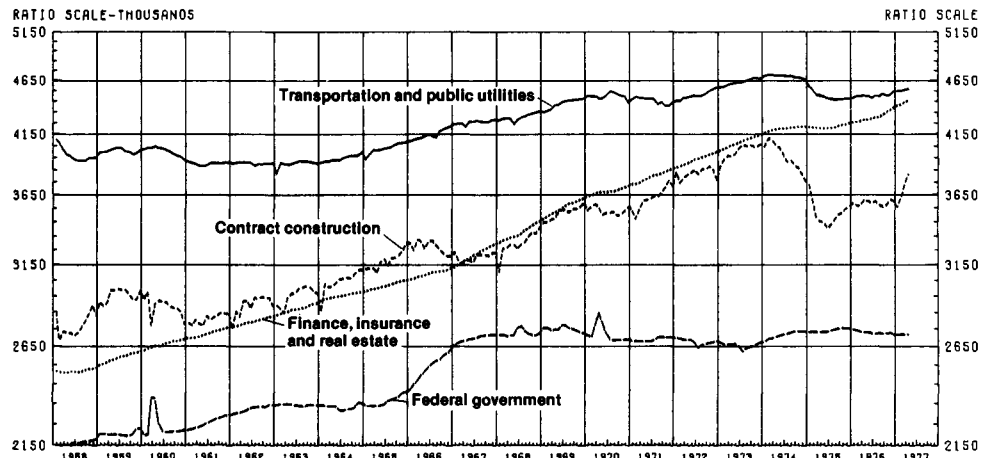
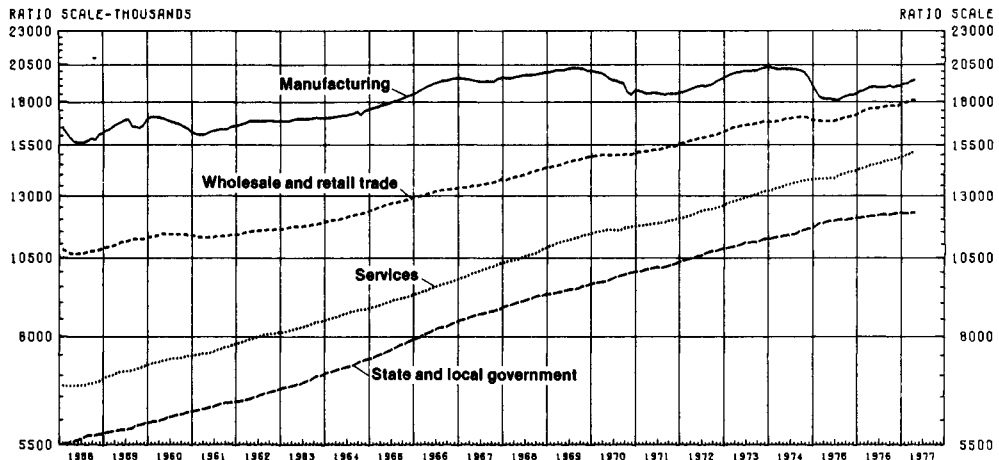
Chart 6. Payroll employment in goods- and service-producing industries



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

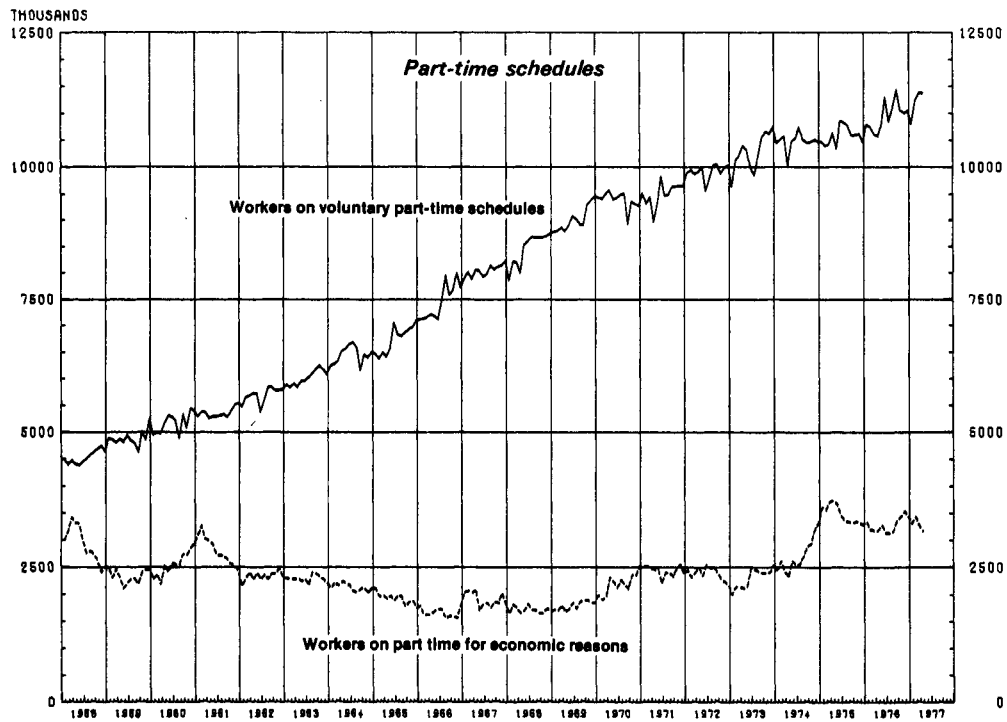
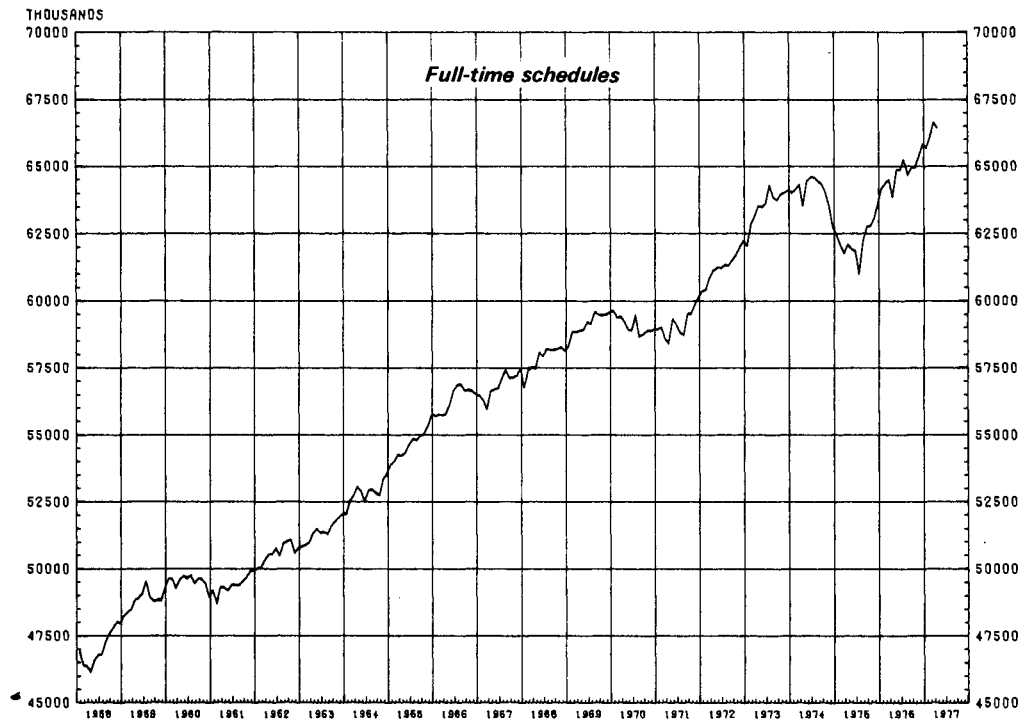
Chart 7. Nonagricultural payroll employment by industry
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

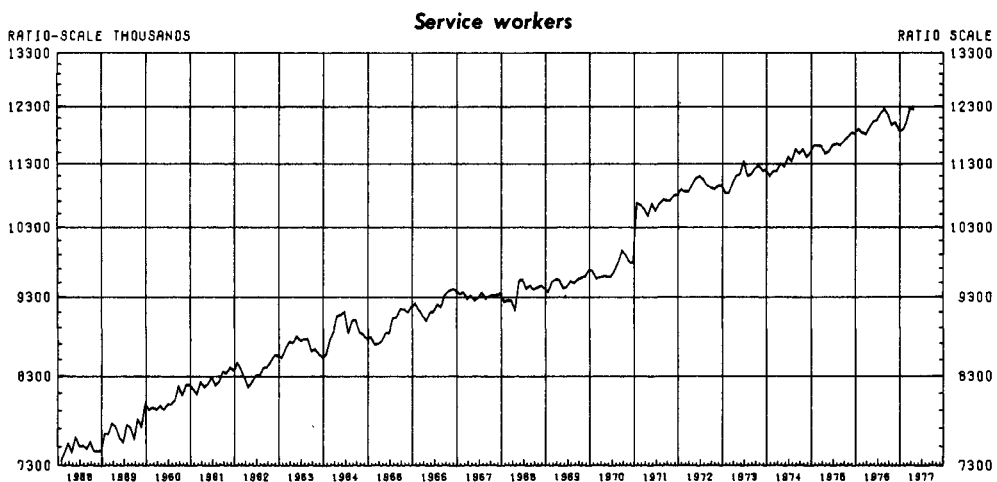
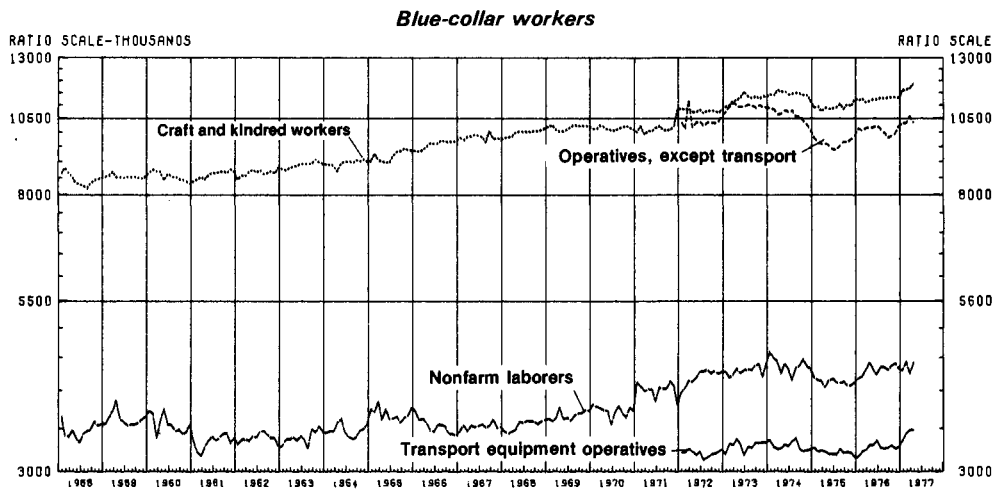
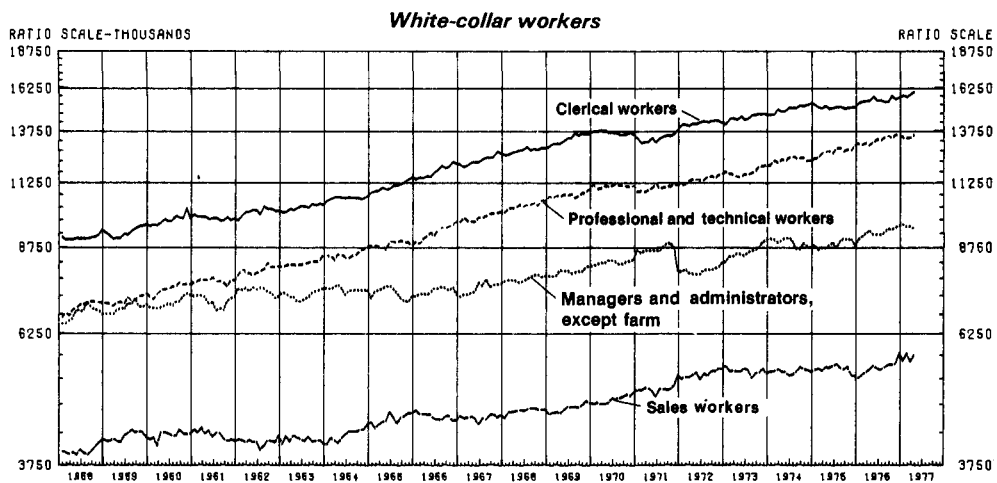
SOURCE: Table B-5.

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



SOURCE: Table A-42.

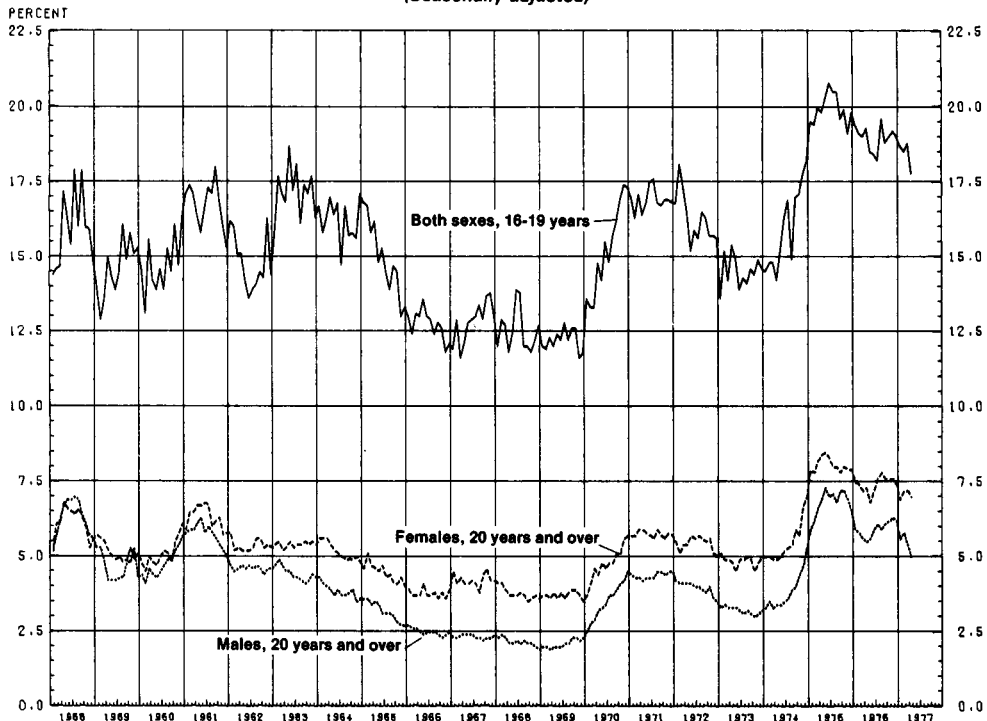
Chart 9. Employment in nonfarm occupations
(Seasonally adjusted)



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.

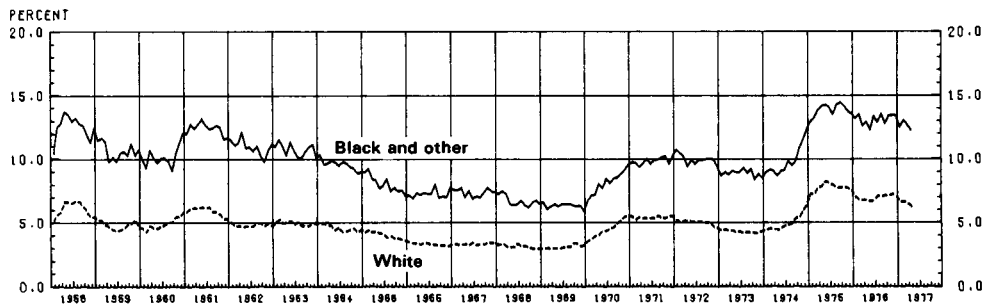
SOURCE: Table A-42.

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

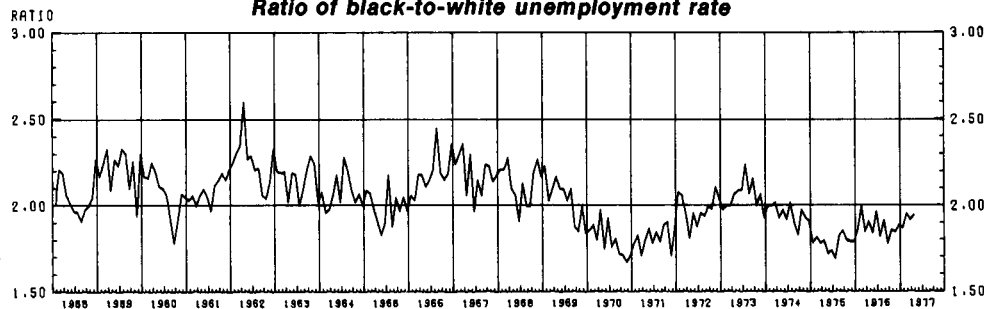


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)

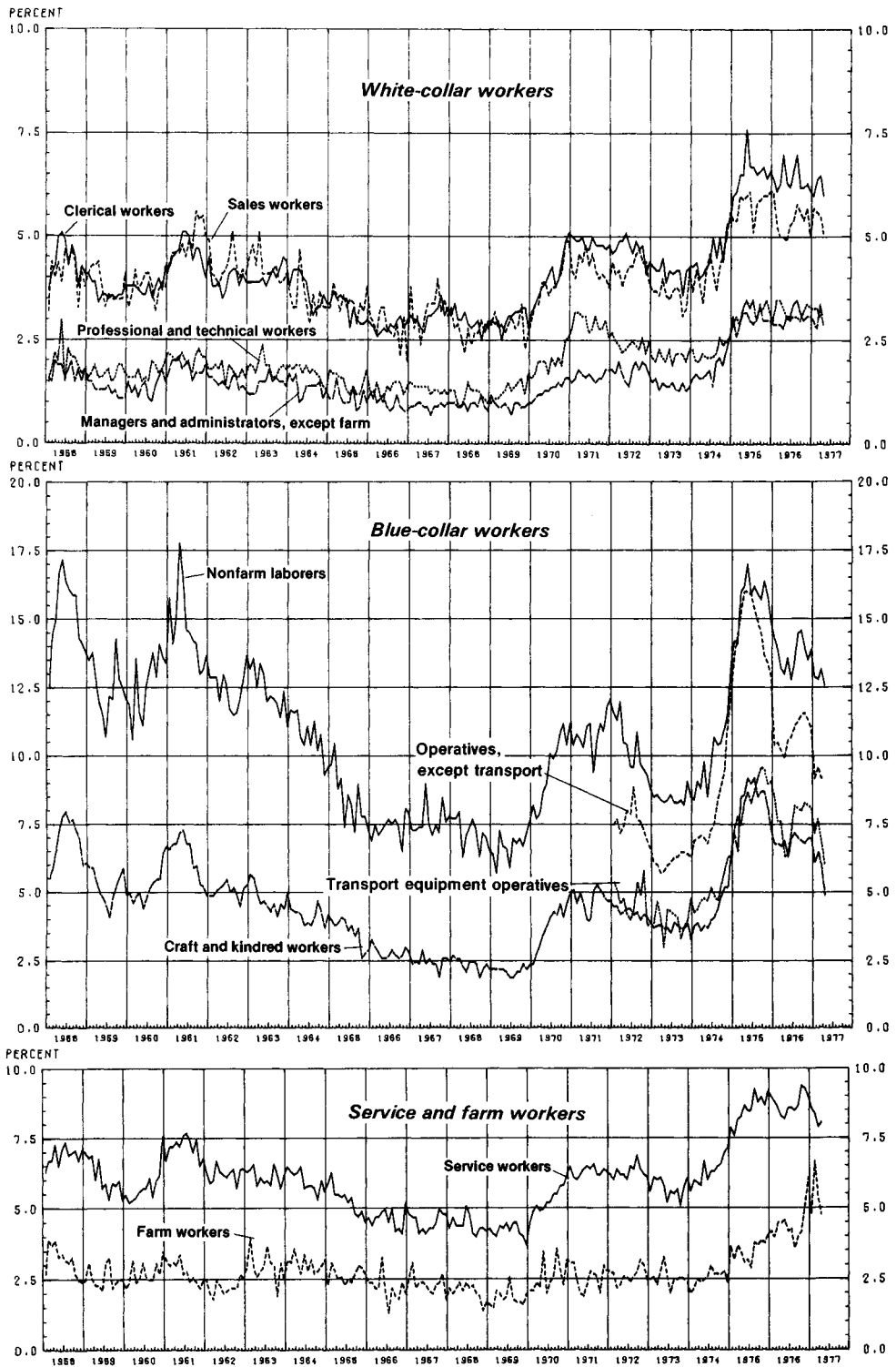


Ratio of black-to-white unemployment rate



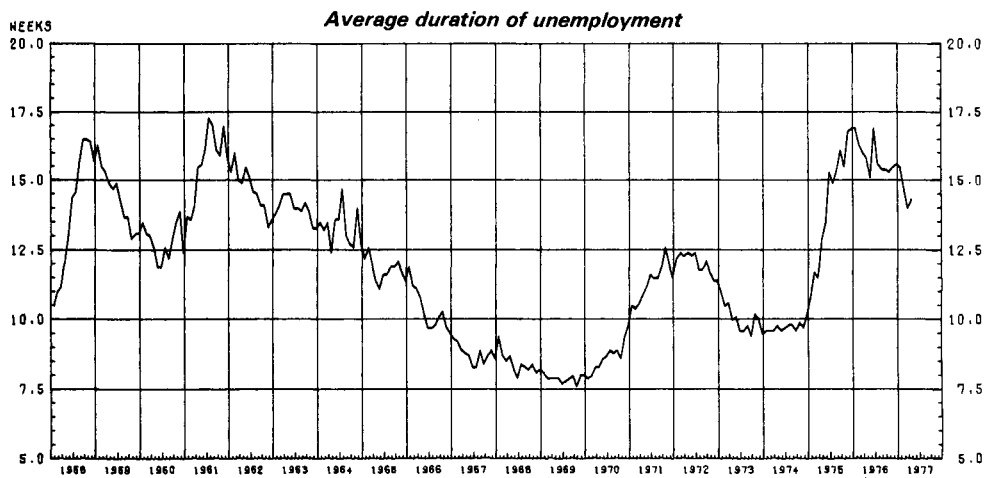
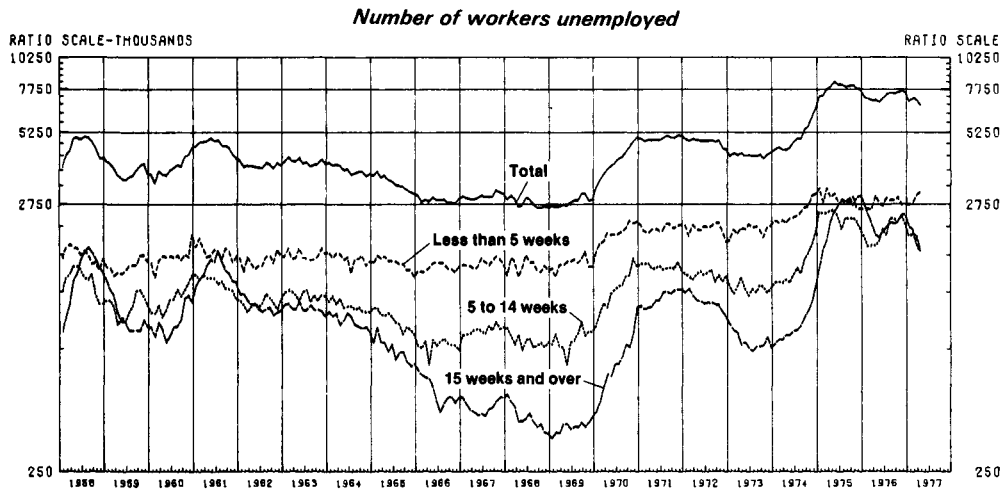
SOURCE: Table A-35.

Chart 12. Unemployment rates by major occupational groups
(Seasonally adjusted)



SOURCE: Table A-36.

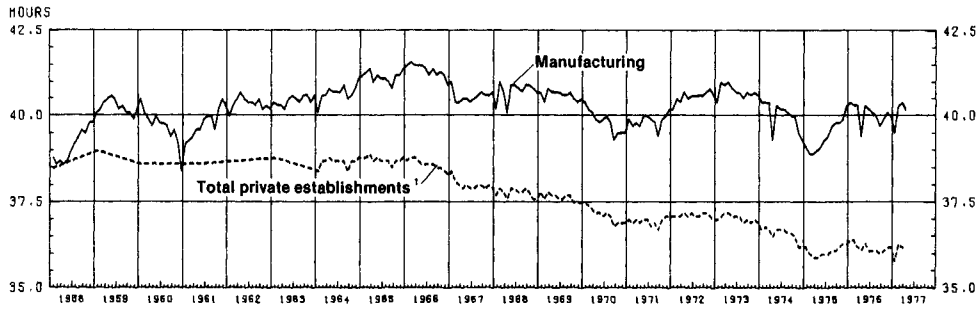
Chart 13. Duration of unemployment
(Seasonally adjusted)



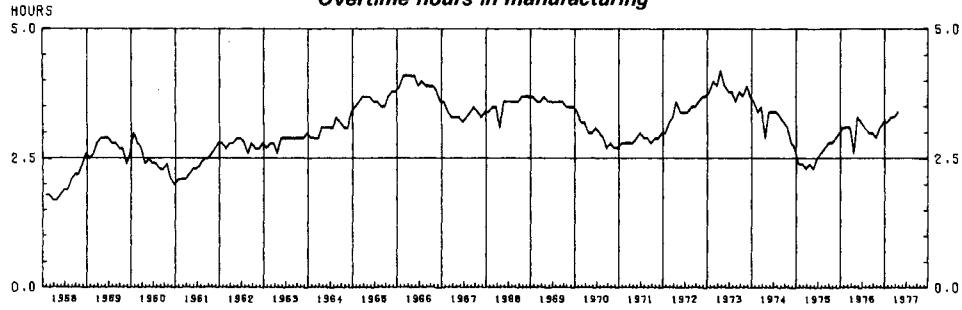
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing



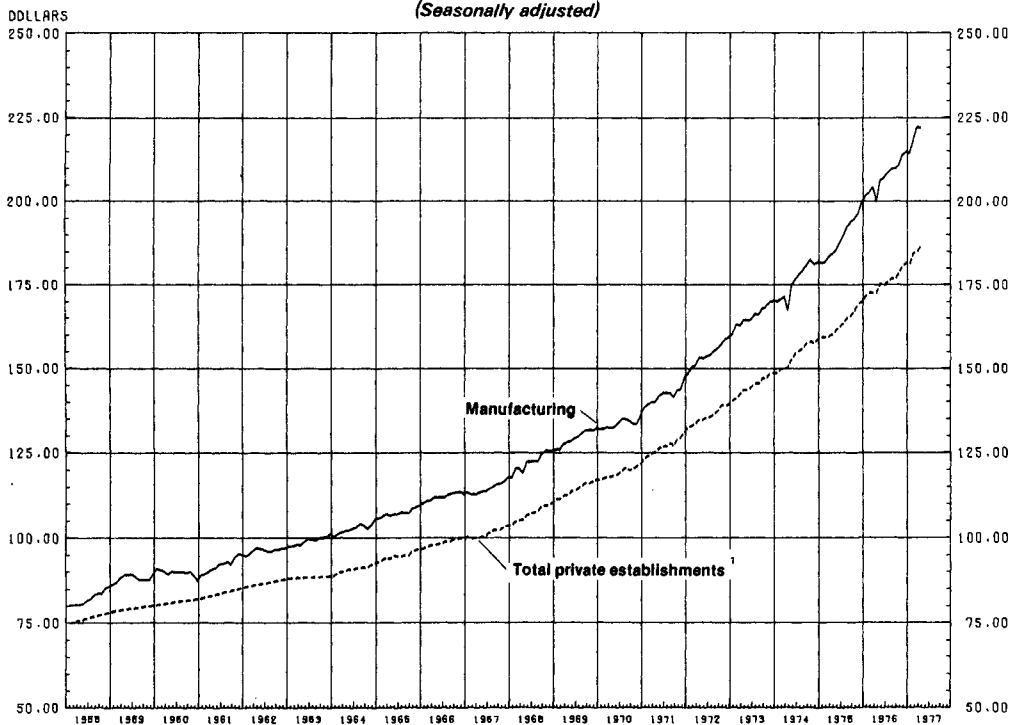
¹ Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

(Seasonally adjusted)

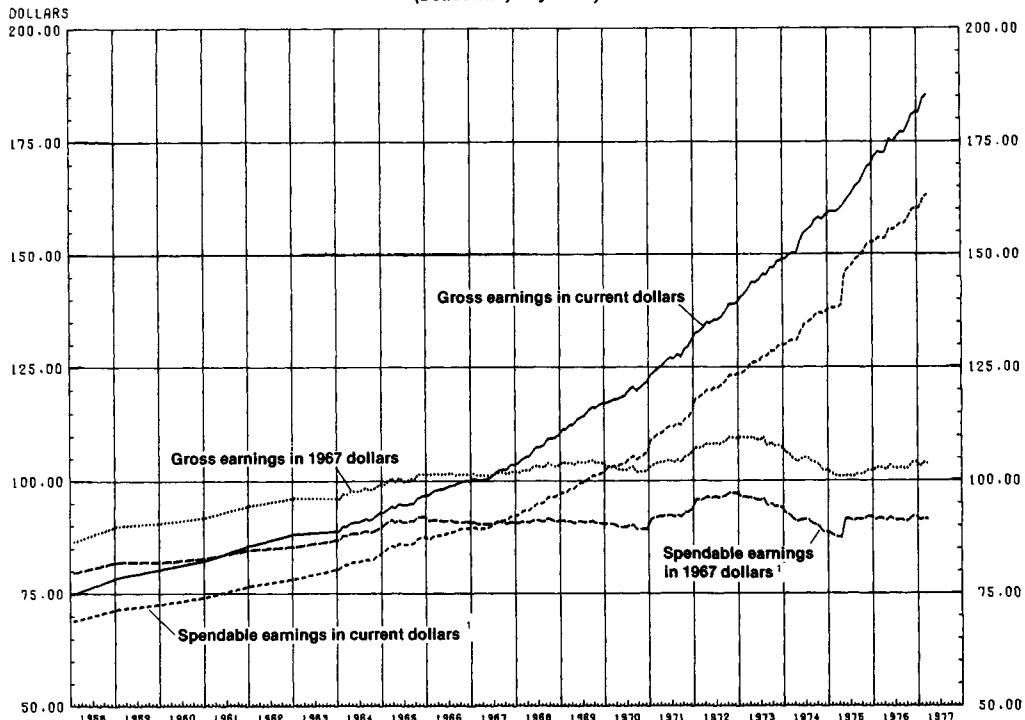


¹ Annual averages prior to 1964.

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)

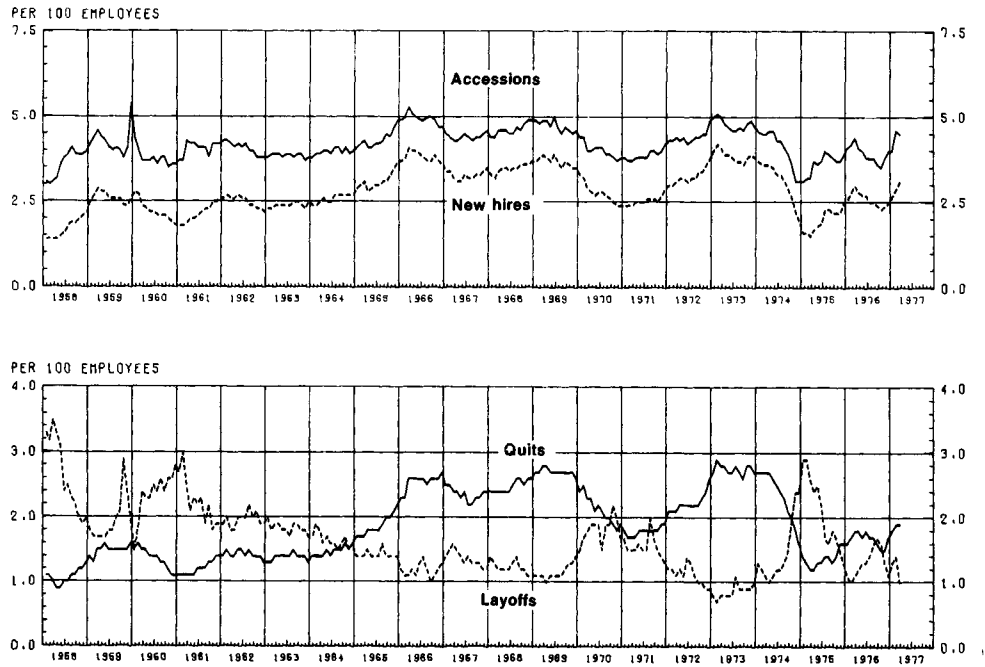


¹ Worker with three dependents.

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 16 years and over, 1947 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	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
TOTAL		Annual averages								
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 ¹	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 ¹	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 ¹	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 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ¹	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.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
TOTAL		Monthly data, seasonally adjusted²								
1976:										
April.....	155,516	96,520	62.1	94,376	87,329	3,398	83,931	7,047	7.5	58,995
May.....	155,711	96,693	62.1	94,551	87,640	3,332	84,308	6,911	7.3	59,019
June.....	155,925	96,841	62.1	94,704	87,533	3,313	84,220	7,171	7.6	59,084
July.....	156,142	97,329	62.3	95,189	87,783	3,333	84,450	7,406	7.8	58,813
August.....	156,367	97,498	62.4	95,351	87,834	3,372	84,462	7,517	7.9	58,869
September.....	156,595	97,387	62.2	95,242	87,794	3,278	84,516	7,448	7.8	59,209
October.....	156,788	97,449	62.2	95,302	87,738	3,310	84,428	7,564	7.9	59,340
November.....	157,006	98,020	62.4	95,871	88,220	3,248	84,972	7,651	8.0	58,986
December.....	157,176	98,106	62.4	95,960	88,441	3,257	85,184	7,519	7.8	59,071
1977:										
January.....	157,381	97,649	62.0	95,516	88,558	3,090	85,468	6,958	7.3	59,732
February.....	157,584	98,282	62.4	96,145	88,962	3,090	85,872	7,183	7.5	59,302
March.....	157,782	98,677	62.5	96,539	89,475	3,116	86,359	7,064	7.3	59,104
April.....	157,986	98,892	62.6	96,760	90,023	3,260	86,763	6,737	7.0	59,094

¹ 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.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1967 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										
Annual averages										
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.....	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.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
Monthly data, seasonally adjusted²										
1976:										
April.....	74,480	58,249	78.2	56,209	52,397	2,773	49,624	3,812	6.8	16,231
May.....	74,570	58,358	78.3	56,320	52,490	3,778	49,712	3,830	6.8	16,212
June.....	74,671	58,293	78.1	56,263	52,332	2,754	49,578	3,931	7.0	16,378
July.....	74,774	58,560	78.3	56,527	52,507	2,773	49,734	4,020	7.1	16,214
August.....	74,881	58,602	78.7	56,564	52,596	2,768	49,828	3,968	7.0	16,279
September.....	74,990	58,641	78.2	56,606	52,546	2,691	49,855	4,060	7.2	16,349
October.....	75,095	58,791	78.3	56,754	52,576	2,688	49,888	4,178	7.4	16,304
November.....	75,198	58,929	78.4	56,887	52,643	2,625	50,018	4,244	7.5	16,269
December.....	75,325	58,987	78.3	56,951	52,799	2,624	50,175	4,152	7.3	16,338
1977:										
January.....	75,422	58,654	77.8	56,632	52,918	2,548	50,370	3,714	6.6	16,768
February.....	75,519	58,976	78.1	56,950	53,046	2,546	50,500	3,904	6.9	16,543
March.....	75,610	59,007	78.0	56,982	53,270	2,544	50,726	3,712	6.5	16,603
April.....	75,706	59,060	78.0	57,041	53,575	2,626	50,949	3,466	6.1	16,646
FEMALES										
Annual averages										
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.....	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.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
Monthly data, seasonally adjusted²										
1976:										
April.....	81,036	38,271	47.2	38,167	34,932	625	34,307	3,235	8.5	42,765
May.....	81,141	38,335	47.2	38,231	35,150	554	34,596	3,081	8.1	42,806
June.....	81,254	38,548	47.4	38,441	35,201	559	34,642	3,240	8.4	42,706
July.....	81,368	38,769	47.6	38,662	35,276	560	34,716	3,386	8.8	42,599
August.....	81,486	38,896	47.7	38,787	35,238	604	34,634	3,549	9.1	42,590
September.....	81,605	38,745	47.5	38,636	35,248	587	34,661	3,388	8.8	42,860
October.....	81,694	38,657	47.3	38,548	35,162	622	34,540	3,386	8.8	43,037
November.....	81,808	39,093	47.8	38,984	35,577	623	34,594	3,407	8.7	42,715
December.....	81,851	39,118	47.8	39,009	35,642	633	35,009	3,367	8.6	42,733
1977:										
January.....	81,959	38,995	47.6	38,884	35,640	542	35,098	3,244	8.3	42,964c
February.....	82,065	39,306	47.9	39,195	35,916	544	35,372	3,279	8.4	42,759
March.....	82,172	39,671	48.3	39,557	36,205	572	35,633	3,352	8.5	42,501
April.....	82,280	39,832	48.4	39,719	36,448	634	35,814	3,271	8.2	42,448

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.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.
c = corrected.

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	April 1977										
	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	58,521	77.3	56,502	52,955	3,548	6.3	17,185	313	4,777	1,803	10,292
16 to 21 years	8,213	64.7	7,508	6,397	1,110	14.8	4,475	21	3,895	29	530
16 to 19 years	4,926	58.0	4,593	3,840	753	16.4	3,571	20	3,149	15	387
16 to 17 years	1,920	45.3	1,893	1,556	337	17.8	2,322	7	2,080	6	229
18 to 19 years	3,006	70.6	2,700	2,285	416	15.4	1,249	12	1,069	10	158
20 to 64 years	51,816	89.2	50,130	47,415	2,714	5.4	6,250	131	1,626	1,329	3,164
20 to 24 years	8,320	84.0	7,578	6,752	826	10.9	1,579	9	1,207	43	320
25 to 54 years	36,436	94.2	35,493	33,879	1,614	4.5	2,244	65	411	710	1,056
25 to 29 years	8,234	94.4	7,857	7,329	528	6.7	488	11	264	51	161
30 to 34 years	7,133	96.4	6,895	6,568	327	4.7	270	8	71	67	123
35 to 39 years	5,683	96.1	5,487	5,299	188	3.4	230	6	28	81	114
40 to 44 years	5,148	95.3	5,055	4,860	195	3.9	256	4	22	102	128
45 to 49 years	5,210	93.5	5,178	5,000	177	3.4	364	18	16	162	168
50 to 54 years	5,028	88.8	5,022	4,823	199	4.0	637	18	9	246	362
55 to 64 years	7,060	74.4	7,058	6,785	274	3.9	2,427	56	8	576	1,788
55 to 59 years	4,305	83.2	4,304	4,154	150	3.5	869	25	8	322	515
60 to 64 years	2,755	63.9	2,755	2,631	124	4.5	1,557	31	--	254	1,273
65 years and over	1,779	19.5	1,779	1,699	81	4.5	7,364	163	2	458	6,741
65 to 69 years	1,030	28.2	1,030	965	65	6.3	2,620	29	2	156	2,433
70 years and over	749	13.6	749	733	16	2.1	4,744	134	--	302	4,308
White											
16 years and over	52,344	78.2	50,681	47,757	2,924	5.8	14,572	257	3,795	1,471	9,049
16 to 21 years	7,343	67.8	6,767	5,883	883	13.1	3,494	13	3,073	24	384
16 to 19 years	4,477	61.9	4,203	3,590	613	14.6	2,759	13	2,443	10	293
16 to 17 years	1,774	49.3	1,752	1,467	285	16.2	1,822	5	1,628	3	185
18 to 19 years	2,703	74.2	2,451	2,123	328	13.4	938	8	815	7	108
20 to 64 years	46,258	89.9	44,869	42,627	2,242	5.0	5,175	109	1,351	1,071	2,644
20 to 24 years	7,294	85.2	6,700	6,049	651	9.7	1,272	6	1,014	41	211
25 to 54 years	32,503	94.8	31,709	30,356	1,353	4.3	1,766	56	329	564	817
25 to 34 years	13,641	95.9	13,127	12,434	693	5.3	591	18	273	88	212
35 to 44 years	9,632	96.3	9,388	9,059	329	3.5	372	9	40	150	174
45 to 54 years	9,229	92.0	9,194	8,864	330	3.6	803	29	16	326	431
55 to 64 years	6,461	75.1	6,460	6,222	238	3.7	2,137	48	7	467	1,615
55 to 59 years	3,935	84.1	3,934	3,812	122	3.1	744	19	7	247	471
60 to 64 years	2,526	64.5	2,526	2,410	116	4.6	1,393	28	--	220	1,145
65 years and over	1,609	19.5	1,609	1,540	69	4.3	6,638	135	1	390	6,112
Black and other											
16 years and over	6,178	70.3	5,822	5,198	624	10.7	2,613	56	982	331	1,243
16 to 21 years	871	47.0	741	514	227	30.6	981	8	822	6	146
16 to 19 years	449	35.6	391	251	140	35.9	812	6	706	5	94
16 to 17 years	145	22.5	142	89	53	37.3	500	2	452	2	44
18 to 19 years	303	49.3	249	162	87	35.1	311	4	254	3	50
20 to 64 years	5,558	83.8	5,260	4,788	471	9.0	1,075	21	276	258	520
20 to 24 years	1,026	76.9	877	703	174	19.9	307	3	192	3	109
25 to 54 years	3,933	89.2	3,784	3,523	261	6.9	478	10	82	146	239
25 to 34 years	1,726	91.2	1,625	1,463	161	9.9	167	1	63	31	72
35 to 44 years	1,198	91.3	1,155	1,100	55	4.7	114	2	10	33	68
45 to 54 years	1,009	83.7	1,005	959	45	4.5	197	7	9	82	98
55 to 64 years	599	67.4	599	563	36	6.0	290	8	1	109	172
55 to 59 years	370	74.7	370	342	28	7.5	125	5	1	75	44
60 to 64 years	229	58.2	229	221	8	3.7	165	3	--	34	128
65 years and over	171	19.0	171	159	12	6.9	726	29	--	68	629

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	April 1977										
	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	39,436	47.9	39,323	36,303	3,020	7.7	42,843	33,276	4,760	1,056	3,752
16 to 21 years	6,479	52.1	6,430	5,445	986	15.3	5,958	1,428	4,073	16	440
16 to 19 years	3,924	47.2	3,906	3,223	683	17.5	4,398	650	3,384	9	356
16 to 17 years	1,523	37.0	1,523	1,232	291	19.1	2,591	161	2,202	3	225
18 to 19 years	2,401	57.1	2,383	1,991	392	16.5	1,807	489	1,181	6	131
20 to 64 years	34,353	56.3	34,259	31,982	2,276	6.6	26,614	23,209	1,368	452	1,583
20 to 24 years	6,379	64.5	6,316	5,679	637	10.1	3,505	2,260	1,006	24	215
25 to 54 years	23,580	58.3	23,548	22,113	1,434	6.1	16,888	15,512	356	227	794
25 to 29 years	5,467	61.5	5,445	4,963	482	8.8	3,418	3,095	144	20	159
30 to 34 years	4,302	56.6	4,297	4,036	261	6.1	3,303	3,059	79	29	136
35 to 39 years	3,737	59.9	3,735	3,563	172	4.6	2,497	2,315	46	21	114
40 to 44 years	3,377	59.2	3,376	3,176	200	5.9	2,329	2,129	46	41	114
45 to 49 years	3,376	57.3	3,376	3,220	155	4.6	2,514	2,343	27	47	98
50 to 54 years	3,319	54.0	3,319	3,154	164	4.9	2,826	2,571	13	69	172
55 to 64 years	4,395	41.4	4,395	4,191	204	4.6	6,220	5,438	7	201	575
55 to 59 years	2,751	48.4	2,751	2,632	120	4.3	2,937	2,641	5	92	198
60 to 64 years	1,644	33.4	1,644	1,559	85	5.1	3,283	2,796	2	108	376
65 years and over	1,159	8.9	1,159	1,098	61	5.3	11,832	9,417	8	595	1,813
65 to 69 years	736	16.0	736	688	48	6.5	3,875	3,331	6	99	439
70 years and over	423	5.1	423	410	13	3.1	7,957	6,086	1	495	1,374
White											
16 years and over	34,302	47.7	34,209	31,861	2,349	6.9	37,677	29,842	3,760	837	3,238
16 to 21 years	5,802	55.1	5,762	5,006	756	13.1	4,724	1,133	3,227	12	352
16 to 19 years	3,559	50.6	3,543	2,994	550	15.5	3,474	526	2,657	7	285
16 to 17 years	1,407	40.6	1,406	1,157	249	17.7	2,058	119	1,754	1	184
18 to 19 years	2,152	60.3	2,137	1,836	301	14.1	1,416	407	903	6	101
20 to 64 years	29,701	55.9	29,624	27,878	1,746	5.9	23,443	20,667	1,098	335	1,342
20 to 24 years	5,557	66.1	5,507	5,048	459	8.3	2,856	1,857	801	19	178
25 to 54 years	20,192	57.4	20,166	19,054	1,111	5.5	14,972	13,841	289	165	677
25 to 34 years	8,225	57.8	8,202	7,669	533	6.5	5,994	5,537	171	31	255
35 to 44 years	6,093	59.0	6,090	5,794	295	4.8	4,226	3,898	81	50	198
45 to 54 years	5,874	55.3	5,873	5,591	282	4.8	4,752	4,406	37	84	224
55 to 64 years	3,952	41.3	3,952	3,776	177	4.5	5,615	4,969	7	151	488
55 to 59 years	2,473	48.3	2,473	2,368	105	4.3	2,642	2,412	6	66	158
60 to 64 years	1,479	33.2	1,479	1,408	71	4.8	2,973	2,557	2	85	329
65 years and over	1,042	8.8	1,042	989	53	5.0	10,760	8,649	5	495	1,611
Black and other											
16 years and over	5,135	49.8	5,114	4,443	671	13.1	5,166	3,434	1,000	219	514
16 to 21 years	677	35.4	668	439	229	34.3	1,233	295	846	4	88
16 to 19 years	365	28.3	362	229	133	36.7	923	124	726	2	71
16 to 17 years	116	17.9	116	75	42	35.7	532	42	448	2	41
18 to 19 years	249	38.9	246	154	91	37.2	391	82	278	--	30
20 to 64 years	4,653	59.5	4,634	4,104	529	11.4	3,171	2,542	270	118	241
20 to 24 years	822	55.8	809	631	179	22.1	650	403	205	5	37
25 to 54 years	3,388	63.9	3,382	3,058	324	9.6	1,916	1,669	66	63	117
25 to 34 years	1,545	68.0	1,539	1,330	209	13.6	728	616	53	18	41
35 to 44 years	1,022	63.0	1,021	944	77	7.5	600	546	11	12	31
45 to 54 years	821	58.2	821	784	37	4.5	589	508	3	33	46
55 to 64 years	443	42.3	443	415	27	6.2	604	469	--	49	87
55 to 59 years	278	48.6	278	264	14	5.1	295	230	--	26	40
60 to 64 years	165	34.7	165	151	13	8.0	310	239	--	23	47
65 years and over	117	9.9	117	109	9	7.3	1,072	768	3	99	202

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
MALES								
16 years and over	57,758	58,521	77.5	77.3	55,718	56,502	76.9	76.7
16 to 19 years	4,933	4,926	58.2	58.0	4,584	4,593	56.4	56.3
16 to 17 years	1,952	1,920	46.1	45.3	1,928	1,893	45.8	44.9
18 to 19 years	2,981	3,006	70.2	70.6	2,655 ^c	2,700	67.7	68.4
20 to 24 years	8,193	8,320	84.4	84.0	7,440	7,578	83.1	82.8
25 to 54 years	35,859	36,436	94.3	94.2	34,921	35,493	94.1	94.1
25 to 34 years	14,841	15,367	95.2	95.3	14,234	14,752	95.0	95.1
35 to 44 years	10,639	10,831	95.6	95.7	10,347	10,543	95.5	95.6
45 to 54 years	10,378	10,238	91.6	91.1	10,340	10,199	91.6	91.1
55 to 64 years	6,960	7,060	74.6	74.4	6,959	7,058	74.6	74.4
55 to 59 years	4,215	4,305	83.6	83.2	4,214	4,304	83.6	83.2
60 to 64 years	2,745	2,755	64.0	63.9	2,745	2,755	64.0	63.9
65 years and over	1,814	1,779	20.3	19.5	1,814	1,779	20.3	19.5
White								
16 years and over	51,661	52,344	78.4	78.2	49,960	50,681	77.8	77.7
16 to 19 years	4,427	4,477	61.3	61.9	4,132	4,203	59.6	60.4
16 to 17 years	1,795	1,774	50.0	49.3	1,774	1,752	49.7	49.0
18 to 19 years	2,632	2,703	72.4	74.2	2,358	2,451	70.1	72.3
20 to 24 years	7,154	7,294	85.0	85.2	6,547	6,700	83.9	84.0
25 to 54 years	32,042	32,503	94.9	94.8	31,244	31,709	94.8	94.7
25 to 34 years	13,200	13,641	95.8	95.9	12,686	13,127	95.6	95.7
35 to 44 years	9,470	9,632	96.2	96.3	9,220	9,388	96.1	96.2
45 to 54 years	9,372	9,229	92.5	92.0	9,338	9,194	92.5	92.0
55 to 64 years	6,392	6,461	75.6	75.1	6,390	6,460	75.6	75.1
55 to 59 years	3,868	3,935	84.7	84.1	3,867	3,934	84.7	84.1
60 to 64 years	2,524	2,526	64.9	64.5	2,524	2,526	64.9	64.5
65 years and over	1,646	1,609	20.4	19.5	1,646	1,609	20.4	19.5
Black and other								
16 years and over	6,097	6,178	71.1	70.3	5,758	5,822	69.9	69.0
16 to 19 years	505	449	40.4	35.6	451	391	37.7	32.5
16 to 17 years	157	145	24.4	22.5	154	142	24.1	22.1
18 to 19 years	349	303	57.1	49.3	297	249	53.2	44.5
20 to 24 years	1,039	1,026	80.2	76.9	893	877	77.7	74.0
25 to 54 years	3,815	3,933	89.0	89.2	3,676	3,784	88.6	88.8
25 to 34 years	1,641	1,726	90.7	91.2	1,548	1,625	90.2	90.7
35 to 44 years	1,169	1,198	91.2	91.3	1,126	1,155	90.9	91.0
45 to 54 years	1,006	1,009	84.2	83.7	1,002	1,005	84.1	83.6
55 to 64 years	568	599	65.1	67.4	568	599	65.1	67.4
55 to 59 years	348	370	73.2	74.7	348	370	73.2	74.7
60 to 64 years	221	229	55.5	58.2	221	229	55.5	58.2
65 years and over	169	171	19.5	19.0	169	171	19.5	19.0

c = corrected.

HOUSEHOLD DATA

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
FEMALES								
16 years and over	37,860	39,436	46.7	47.9	37,756	39,323	46.7	47.9
16 to 19 years	3,818	3,924	46.0	47.2	3,797	3,906	45.9	47.0
16 to 17 years	1,481	1,523	36.1	37.0	1,481	1,523	36.0	37.0
18 to 19 years	2,337	2,401	55.8	57.1	2,317	2,383	55.5	56.9
20 to 24 years	6,177	6,379	63.8	64.5	6,120	6,316	63.6	64.3
25 to 54 years	22,485	23,580	56.5 ^c	58.3	22,458 ^c	23,548	56.4 ^c	58.2
25 to 34 years	9,057	9,770	56.8	59.2	9,035	9,742	56.7	59.2
35 to 44 years	6,794	7,114	57.9	59.6	6,791	7,111	57.9	59.6
45 to 54 years	6,633	6,695	54.6	55.6	6,632	6,694	54.6	55.6
55 to 64 years	4,329	4,395	41.4	41.4	4,329	4,395	41.4	41.4
55 to 59 years	2,691	2,751	48.5	48.4	2,691	2,751	48.5	48.4
60 to 64 years	1,638	1,644	33.4	33.4	1,638	1,644	33.4	33.4
65 years and over	1,052	1,159	8.2	8.9	1,052	1,159	8.2	8.9
White								
16 years and over	32,853	34,302	46.3	47.7	32,767	34,209	46.2	47.6
16 to 19 years	3,427	3,559	48.8	50.6	3,410	3,543	48.7	50.5
16 to 17 years	1,338	1,407	38.6	40.6	1,338	1,406	38.6	40.6
18 to 19 years	2,089	2,152	58.7	60.3	2,072	2,137	58.5	60.1
20 to 24 years	5,353	5,557	64.8	66.1	5,307	5,507	64.6	65.9
25 to 54 years	19,259	20,192	55.5	57.4	19,237	20,166	55.5	57.4
25 to 34 years	7,598	8,225	55.1	57.8	7,580	8,202	55.1	57.8
35 to 44 years	5,830	6,093	57.5	59.0	5,827	6,090	57.4	59.0
45 to 54 years	5,830	5,874	54.2	55.3	5,829	5,873	54.2	55.3
55 to 64 years	3,881	3,952	41.1	41.3	3,881	3,952	41.1	41.3
55 to 59 years	2,419	2,473	48.4	48.3	2,419	2,473	48.4	48.3
60 to 64 years	1,461	1,479	33.0	33.2	1,461	1,479	33.0	33.2
65 years and over	933	1,042	8.0	8.8	933	1,042	8.0	8.8
Black and other								
16 years and over	5,007	5,135	50.0	49.8	4,989	5,114	49.9	49.7
16 to 19 years	390	365	30.7	28.3	387	362	30.5	28.2
16 to 17 years	143	116	22.2	17.9	143	116	22.2	17.9
18 to 19 years	248	249	39.3	38.9	245	246	39.1	38.6
20 to 24 years	823	822	57.8	55.8	813	809	57.5	55.5
25 to 54 years	3,226	3,388	62.7	63.9	3,222	3,382	62.7	63.8
25 to 34 years	1,459	1,545	67.2	68.0	1,455	1,539	67.1	67.9
35 to 44 years	964	1,022	61.0	63.0	964	1,021	61.0	63.0
45 to 54 years	803	821	57.7	58.2	803	821	57.7	58.2
55 to 64 years	448	443	43.7	42.3	448	443	43.7	42.3
55 to 59 years	272	278	49.2	48.6	272	278	49.2	48.6
60 to 64 years	177	165	37.3	34.7	177	165	37.3	34.7
65 years and over	119	117	10.3	9.9	119	117	10.3	9.9

c = corrected.

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

(Numbers in thousands)

Sex and age	April 1977						Not in labor force	
	Civilian labor force					Percent of labor force		
	Total	Employed			Unemployed			
		Total	Agriculture	Nonagricultural industries	Number			
Total								
16 years and over	9,443	8,302	215	8,087	1,140	12.1	6,782	
16 to 19 years	651	410	24	385	242	37.1	1,576	
16 to 17 years	218	135	11	124	83	38.1	941	
18 to 19 years	433	275	14	261	158	36.6	636	
20 to 24 years	1,455	1,140	20	1,119	315	21.7	822	
25 to 54 years	6,126	5,617	110	5,507	509	8.3	1,994	
25 to 34 years	2,700	2,379	33	2,346	321	11.9	686	
35 to 44 years	1,860	1,745	39	1,706	115	6.2	620	
45 to 54 years	1,566	1,493	38	1,455	73	4.6	689	
55 to 64 years	935	881	42	839	54	5.8	803	
55 to 59 years	586	551	21	530	35	6.0	380	
60 to 64 years	349	330	21	309	19	5.3	423	
65 years and over	276	255	19	236	21	7.6	1,586	
Males								
16 years and over	5,003	4,469	179	4,290	534	10.7	2,293	
16 to 19 years	336	218	21	196	118	35.1	742	
16 to 17 years	121	79	8	71	42	35.0	464	
18 to 19 years	215	139	14	125	76	35.2	278	
20 to 24 years	766	615	12	603	152	19.8	253	
25 to 54 years	3,212	2,992	89	2,902	222	6.9	412	
25 to 34 years	1,368	1,231	25	1,206	137	10.0	127	
35 to 44 years	986	938	33	905	48	4.8	105	
45 to 54 years	859	822	31	791	36	4.2	181	
55 to 64 years	529	498	37	461	31	5.8	265	
55 to 59 years	330	306	16	290	23	7.1	114	
60 to 64 years	199	192	21	171	7	3.7	151	
65 years and over	159	147	19	128	12	7.7	621	
Females								
16 years and over	4,440	3,834	37	3,797	606	13.7	4,489	
16 to 19 years	315	192	3	189	124	39.2	834	
16 to 17 years	97	56	3	53	41	42.1	476	
18 to 19 years	218	136	--	136	83	37.9	358	
20 to 24 years	688	525	8	517	163	23.7	569	
25 to 54 years	2,914	2,625	21	2,605	287	9.8	1,582	
25 to 34 years	1,332	1,148	8	1,140	184	13.8	559	
35 to 44 years	874	807	6	801	67	7.7	515	
45 to 54 years	707	671	7	664	36	5.1	508	
55 to 64 years	406	383	5	378	23	5.6	539	
55 to 59 years	256	245	5	240	12	4.5	266	
60 to 64 years	150	139	--	139	11	7.5	272	
65 years and over	117	108	--	108	9	7.4	964	

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
TOTAL								
Total noninstitutional population	155,516	157,986	66,002	67,209	72,737	73,958	16,776	16,819
Total labor force	95,618	97,958	52,825	53,595	34,042	35,512	8,750	8,850
Percent of population	61.5	62.0	80.0	79.7	46.8	48.0	52.2	52.6
Civilian labor force	93,474	95,826	51,134	51,909	33,959	35,418	8,381	8,499
Employed	86,584	89,258	48,129	49,114	31,625	33,080	6,830	7,063
Agriculture	3,273	3,140	2,379	2,259	487	511	407	370
Nonagricultural industries	83,311	86,118	45,750	46,855	31,138	32,570	6,423	6,693
Unemployed	6,890	6,568	3,005	2,795	2,334	2,337	1,551	1,436
Percent of labor force	7.4	6.9	5.9	5.4	6.9	6.6	18.5	16.9
Not in labor force	59,898	60,028	13,177	13,614	38,695	38,446	8,026	7,969
White								
Total noninstitutional population	136,928	138,894	58,681	59,679	63,995	64,945	14,252	14,270
Total labor force	84,514	86,645	47,233	47,867	29,426	30,743	7,855	8,036
Percent of population	61.7	62.4	80.5	80.2	46.0	47.3	55.1	56.3
Civilian labor force	82,727	84,890	45,828	46,478	29,357	30,666	7,542	7,746
Employed	77,189	79,618	43,379	44,167	27,492	28,867	6,318	6,583
Agriculture	3,034	2,894	2,172	2,079	466	472	396	343
Nonagricultural industries	74,156	76,724	41,207	42,088	27,026	28,395	5,926	6,240
Unemployed	5,537	5,273	2,448	2,311	1,865	1,799	1,225	1,163
Percent of labor force	6.7	6.2	5.3	5.0	6.4	5.9	16.2	15.0
Not in labor force	52,414	52,249	11,447	11,813	34,570	34,203	6,397	6,234
Black and other								
Total noninstitutional population	18,587	19,091	7,322	7,530	8,742	9,013	2,524	2,549
Total labor force	11,104	11,312	5,592	5,729	4,617	4,770	896	814
Percent of population	59.7	59.3	76.4	76.1	52.8	52.9	35.5	31.9
Civilian labor force	10,747	10,935	5,306	5,431	4,602	4,751	839	753
Employed	9,394	9,640	4,750	4,947	4,132	4,213	512	480
Agriculture	239	246	207	180	21	39	11	27
Nonagricultural industries	9,156	9,395	4,543	4,768	4,111	4,174	501	453
Unemployed	1,352	1,295	557	483	469	538	327	273
Percent of labor force	12.6	11.8	10.5	8.9	10.2	11.3	38.9	36.3
Not in labor force	7,483	7,779	1,730	1,801	4,125	4,243	1,628	1,735

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

[Numbers in thousands]

Employment status	April 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,125	12,688	12,437	21,363	10,836	10,527	3,762	1,852	1,910
Total labor force	14,692	8,213	6,479	13,145	7,343	5,802	1,547	871	677
Percent of population	58.5	64.7	52.1	61.5	67.8	55.1	41.1	47.0	35.4
Civilian labor force	13,938	7,508	6,430	12,529	6,767	5,762	1,409	741	668
Employed	11,842	6,397	5,445	10,889	5,883	5,006	953	514	439
Agriculture	516	449	67	481	421	60	35	28	6
Nonagricultural industries	11,326	5,948	5,378	10,408	5,466	4,946	918	486	432
Unemployed	2,096	1,110	986	1,640	883	756	456	227	229
Percent of labor force	15.0	14.8	15.3	13.1	13.1	13.1	32.4	30.6	34.3
Looking for full-time work	1,344	738	607	1,016	574	442	329	164	165
Looking for part-time work	751	372	379	624	309	315	127	63	64
Not in labor force	10,433	4,475	5,958	8,218	3,494	4,724	2,215	981	1,233
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	4,145	2,198	1,947	3,757	1,994	1,763	388	204	184
Employed	3,390	1,802	1,588	3,143	1,667	1,476	247	135	112
Agriculture	187	165	22	171	150	21	16	16	--
Nonagricultural industries	3,203	1,636	1,566	2,971	1,517	1,455	231	119	112
Unemployed	755	397	359	614	327	287	141	69	72
Percent of labor force	18.2	18.0	18.4	16.3	16.4	16.3	36.4	34.0	39.2
Looking for full-time work	163	77	86	116	54	62	47	23	24
Looking for part-time work	592	320	273	498	273	225	95	47	48
Not in labor force	7,968	3,895	4,073	6,300	3,073	3,227	1,668	822	846
MAJOR ACTIVITY: OTHER									
Civilian labor force	9,793	5,309	4,484	8,772	4,772	3,999	1,021	537	484
Employed	8,452	4,596	3,857	7,746	4,216	3,530	706	379	327
Agriculture	329	284	45	310	271	39	19	13	6
Nonagricultural industries	8,123	4,312	3,811	7,437	3,945	3,491	687	366	320
Unemployed	1,340	714	627	1,026	556	470	315	157	157
Percent of labor force	13.7	13.4	14.0	11.7	11.7	11.7	30.8	29.3	32.5
Looking for full-time work	1,181	661	521	899	520	380	282	141	141
Looking for part-time work	159	53	106	126	37	90	33	16	16
Not in labor force	1,465	581	1,884	1,918	421	1,497	547	159	387

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

[Numbers in thousands]

Race, sex, and age	April 1977								
	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	80,451	72,136	3,045	5,270	6.6	15,375	14,078	1,297	8.4
16 to 21 years	8,210	6,188	677	1,344	16.4	5,728	4,977	751	13.1
16 to 19 years	3,884	2,713	399	772	19.9	4,615	3,951	664	14.4
16 to 17 years	687	408	105	174	25.3	2,729	2,274	454	16.6
18 to 19 years	3,196	2,305	293	598	18.7	1,887	1,677	210	11.1
20 years and over	76,567	69,422	2,646	4,498	5.9	10,759	10,126	633	5.9
20 to 24 years	11,715	9,779	642	1,295	11.1	2,179	2,010	168	7.7
25 years and over	64,852	59,643	2,004	3,203	4.9	8,580	8,116	465	5.4
25 to 54 years	53,310	48,996	1,567	2,747	5.2	5,731	5,429	302	5.3
55 years and over	11,542	10,647	438	457	4.0	2,850	2,687	163	5.7
Males, 16 years and over	51,244	46,747	1,481	3,016	5.9	5,259	4,727	532	10.1
16 to 21 years	4,607	3,514	355	738	16.0	2,901	2,528	372	12.8
16 to 19 years	2,224	1,568	231	425	19.1	2,369	2,041	328	13.9
20 years and over	49,019	45,178	1,249	2,591	5.3	2,890	2,687	203	7.0
20 to 24 years	6,575	5,537	300	737	11.2	1,003	915	88	8.8
25 years and over	42,444	39,641	949	1,854	4.4	1,887	1,772	115	6.1
25 to 54 years	34,751	32,439	740	1,570	4.5	743	700	44	5.9
55 years and over	7,694	7,202	209	283	3.7	1,144	1,072	72	6.3
Females, 16 years and over	29,207	25,389	1,564	2,254	7.7	10,116	9,350	766	7.6
16 to 21 years	3,603	2,674	322	607	16.8	2,828	2,449	379	13.4
16 to 19 years	1,659	1,145	167	347	20.9	2,246	1,911	336	14.9
20 years and over	27,548	24,244	1,397	1,907	6.9	7,870	7,440	430	5.5
20 to 24 years	5,140	4,241	341	558	10.8	1,176	1,096	80	6.8
25 years and over	22,408	20,003	1,056	1,349	6.0	6,694	6,344	350	5.2
25 to 54 years	18,559	16,557	826	1,177	6.3	4,988	4,730	259	5.2
55 years and over	3,848	3,446	229	174	4.5	1,706	1,614	91	5.3
White									
Males, 16 years and over	45,934	42,224	1,231	2,479	5.4	4,747	4,302	445	9.4
16 to 21 years	4,106	3,222	310	574	14.0	2,661	2,352	309	11.6
16 to 19 years	2,018	1,470	207	341	16.9	2,185	1,913	272	12.4
20 years and over	43,916	40,754	1,024	2,138	4.9	2,563	2,389	173	6.8
20 to 24 years	5,796	4,971	251	574	9.9	904	827	77	8.5
25 years and over	38,120	35,783	773	1,564	4.1	1,659	1,562	96	5.8
25 to 54 years	31,068	29,164	589	1,314	4.2	641	603	38	5.9
55 years and over	7,051	6,619	183	249	3.5	1,017	960	58	5.7
Females, 16 years and over	24,962	21,965	1,286	1,712	6.9	9,247	8,610	637	6.9
16 to 21 years	3,175	2,443	290	442	13.9	2,588	2,273	315	12.2
16 to 19 years	1,476	1,061	149	267	18.1	2,067	1,784	283	13.7
20 years and over	23,486	20,904	1,137	1,445	6.2	7,180	6,826	354	4.9
20 to 24 years	4,446	3,747	307	392	8.8	1,061	995	66	6.2
25 years and over	19,040	17,157	830	1,053	5.5	6,119	5,831	288	4.7
25 to 54 years	15,581	14,033	650	899	5.8	4,585	4,372	213	4.6
55 years and over	3,459	3,125	180	154	4.5	1,535	1,460	75	4.9
Black and other									
Males, 16 years and over	5,310	4,523	250	537	10.1	512	425	87	16.9
16 to 21 years	501	292	46	164	32.7	240	177	63	26.3
16 to 19 years	206	98	24	84	40.5	184	128	57	30.7
20 years and over	5,104	4,424	226	453	8.9	327	297	30	9.2
20 to 24 years	779	566	49	163	21.0	99	88	11	11.3
25 years and over	4,325	3,858	177	290	6.7	228	209	19	8.3
25 to 54 years	3,682	3,275	151	257	7.0	103	97	5	4.9
55 years and over	643	583	26	34	5.3	127	113	14	11.0
Females, 16 years and over	4,245	3,424	279	542	12.8	869	740	129	14.8
16 to 21 years	428	231	32	165	38.6	240	176	64	26.7
16 to 19 years	183	84	19	80	43.8	179	126	53	29.5
20 years and over	4,062	3,340	260	462	11.4	690	614	76	11.0
20 to 24 years	694	495	35	165	23.8	115	101	14	12.0
25 years and over	3,368	2,845	225	297	8.8	575	513	62	10.8
25 to 54 years	2,978	2,524	177	278	9.3	404	358	46	11.4
55 years and over	388	321	49	20	5.2	171	155	16	9.4

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

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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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
Total, 16 years and over	3,906	3,548	7.0	6.3	2,984	3,020	7.9	7.7
16 to 19 years	901	753	19.7	16.4	650	683	17.1	17.5
16 to 17 years	410	337	21.3	17.8	280	291	18.9	19.1
18 to 19 years	491	416	18.5	15.4	370	392	15.9	16.5
20 years and over	3,005	2,795	5.9	5.4	2,334	2,337	6.9	6.6
20 to 24 years	874	826	11.7	10.9	691	637	11.3	10.1
25 years and over	2,131	1,969	4.9	4.4	1,642	1,700	5.9	5.8
25 to 34 years	834	855	5.9	5.8	642	742	7.1	7.6
35 to 44 years	440	384	4.2	3.6	412	372	6.1	5.2
45 to 54 years	446	376	4.3	3.7	3.2	320	4.7	4.8
55 to 64 years	332	274	4.8	3.9	225	204	5.2	4.6
55 to 59 years	182	150	4.3	3.5	157	120	5.8	4.3
60 to 64 years	150	124	5.5	4.5	68	85	4.2	5.1
65 years and over	80	81	4.4	4.5	52	61	5.0	5.3
Household heads, 16 years and over	2,181	1,921	4.6	4.2	596	622	6.9	6.9
16 to 24 years	357	290	8.7	7.0	114	126	9.7	10.4
25 to 54 years	1,443	1,292	4.4	3.9	358	368	6.8	6.6
55 years and over	380	339	4.5	3.9	124	128	5.6	5.5

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
Total, 16 years and over	3,906	3,548	7.0	6.3	2,984	3,020	7.9	7.7
Married, spouse present	1,714	1,552	4.3	3.9	1,380	1,393	6.4	6.2
Widowed, divorced, or separated	369	332	9.7	8.4	606	581	8.4	7.9
Single (never married)	1,823	1,664	14.9	13.1	999	1,046	11.0	11.1
White, 16 years and over	3,182	2,924	6.4	5.8	2,356	2,349	7.2	6.9
Married, spouse present	1,471	1,362	4.1	3.7	1,193	1,172	6.2	5.8
Widowed, divorced, or separated	257	259	8.4	8.1	442	412	7.7	6.9
Single (never married)	1,453	1,303	13.6	11.7	721	765	9.3	9.4
Black and other, 16 years and over	725	624	12.6	10.7	628	671	12.6	13.1
Married, spouse present	243	191	6.9	5.4	187	221	8.3	9.3
Widowed, divorced, or separated	112	72	15.3	9.9	163	169	11.5	12.1
Single (never married)	370	361	24.7	22.9	278	281	21.1	21.2
Total, 20 to 64 years of age	2,925	2,714	6.9	5.4	2,282	2,276	6.9	6.6
Married, spouse present	1,616	1,450	4.3	3.8	1,293	1,293	6.2	6.0
Widowed, divorced, or separated	342	318	9.7	8.6	568	519	8.8	7.8
Single (never married)	967	946	12.4	11.4	421	465	7.5	7.8
White, 20 to 64 years of age	2,382	2,242	5.4	5.0	1,814	1,746	6.4	5.9
Married, spouse present	1,382	1,272	4.0	3.7	1,115	1,077	6.0	5.6
Widowed, divorced, or separated	236	247	8.3	8.2	409	363	7.9	6.8
Single (never married)	763	722	11.4	10.2	289	306	6.2	6.2
Black and other, 20 to 64 years of age	543	471	10.6	9.0	468	529	10.4	11.4
Married, spouse present	234	179	6.9	5.3	178	215	8.1	9.3
Widowed, divorced, or separated	105	70	15.3	10.0	159	156	12.0	11.9
Single (never married)	204	223	19.3	18.8	131	158	13.6	15.8

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
Total	6,890	6,568	7.4	6.9	7.0	6.3	7.9	7.7
White-collar workers	1,948	1,867	4.3	4.0	3.1	2.9	5.5	5.0
Professional and technical	373	384	2.8	2.7	2.1	2.2	3.6	3.4
Managers and administrators, except farm	249	264	2.6	2.8	2.6	2.4	2.6	3.9
Sales workers	288	309	5.0	5.1	3.2	3.9	7.3	6.6
Clerical workers	1,038	910	6.3	5.4	6.0	4.6	6.3	5.6
Blue-collar workers	3,029	2,704	9.6	8.4	9.2	7.8	11.6	11.0
Craft and kindred workers	920	684	7.7	5.5	7.7	5.5	8.7	5.7
Carpenters and other construction craft	497c	350	13.6c	9.2	15.6c	9.2	(1)	(1)
All other	423c	334	5.1c	3.9	4.9c	3.8	8.4c	5.5
Operatives, except transport	1,197	1,132	10.7	10.0	9.4	8.6	12.6	12.1
Transport equipment operatives	245	248	7.0	6.7	7.1	6.8	5.8	5.3
Nonfarm laborers	666	639	13.6	13.2	14.2	13.5	7.9	10.2
Construction laborers	208	208	23.5	23.0	23.9	23.3	--	--
All other	458	431	11.4	10.9	11.8c	11.0	8.2	10.5
Service workers	1,003	1,005	7.8	7.6	7.4	6.7	8.0	8.1
Private household	66	54	5.7	4.6	(1)	(1)	5.6	4.5
All other	937	951	8.0	7.9	7.4	6.7	8.4	8.7
Farm workers	145	147	4.9	5.2	4.0	4.1	9.4	10.5
No previous work experience	765	845	--	--	--	--	--	--
16 to 19 years	598	599	--	--	--	--	--	--
20 to 24 years	117	145	--	--	--	--	--	--
25 years and over	50	100	--	--	--	--	--	--

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
Total	100.0	100.0	7.4	6.9	7.0	6.3	7.9	7.7
Nonagricultural private wage and salary workers	75.6	74.7	7.7	7.1	7.5	5.1	8.1	7.7
Mining	.4	.6	3.8	4.7	3.8	4.7	(1)	(1)
Construction	10.7	9.4	17.6	14.0	18.3	14.4	5.6	8.1
Manufacturing	24.5	22.9	7.9	7.0	6.7	5.6	10.9	10.1
Durable goods	14.5	12.4	8.0	6.3	7.0	5.5	10.9	9.1
Lumber and wood products	1.1	1.1	11.7	10.8	11.7	11.3	11.6	6.7
Furniture and fixtures	.9	.7	11.0	7.9	11.8	6.1	8.9	12.2
Stone, clay, and glass products	.7	.6	6.5	5.5	5.4	5.1	11.2	7.2
Primary metal industries	1.7	1.3	9.0	6.1	8.5	6.0	13.7	7.6
Fabricated metal products	1.8	1.6	8.1	6.7	8.1	6.4	8.1	7.8
Machinery, except electrical equipment	2.2	1.4	6.4	3.9	5.5	3.4	10.1	5.6
Electrical equipment	2.6	2.6	8.3	7.8	6.0	5.2	11.6	11.2
Transportation equipment	2.1	1.8	7.3	5.5	6.6	4.8	10.9	9.6
Automobiles	.9	.7	5.7	4.2	5.6	3.5	6.6	8.7
Other transportation equipment	1.2	1.0	9.0	7.1	7.8	6.4	15.5	11.0
Instruments and related products	.4	.4	5.1	4.5	2.7	3.5	8.5	5.9
Other durable goods industries	1.0	1.0	9.6	9.1	3.1	6.7	14.6	11.7
Nondurable goods	9.9	10.6	7.9	8.0	6.0	5.9	10.9	11.0
Food and kindred products	2.8	3.0	10.6	10.6	8.6	7.4	15.7	18.4
Textile mill products	1.3	1.3	9.7	8.7	7.5	7.6	12.0	9.9
Apparel and other textile products	2.0	2.1	10.3	10.0	9.5	6.6	10.5	10.8
Paper and allied products	.4	.5	4.5	4.3	3.2	2.8	8.6	9.0
Printing and publishing	1.1	.9	5.8	4.7	4.3	4.8	8.3	4.5
Chemicals and allied products	.9	.7	5.0	4.1	3.3	3.1	10.3	7.4
Rubber and plastics products	.8	1.0	8.6	9.0	7.8	7.0	10.3	12.8
Other nondurable goods industries	.5	1.0	5.8	11.2	4.0	9.4	8.8	14.0
Transportation and public utilities	3.0	3.4	4.3	4.5	4.1	4.7	4.9	4.0
Railroads and railway express	.3	.4	3.8	4.5	3.5	4.6	(1)	(1)
Other transportation	1.9	2.5	6.1	6.8	5.7	7.0	7.9	5.8
Communication and other public utilities	.7	.5	2.5	1.8	2.2	1.2	3.2	2.9
Wholesale and retail trade	20.2	20.6	8.2	7.6	7.2	6.6	9.4	8.9
Finance, insurance, and real estate	2.6	2.9	4.0	4.2	3.7	3.4	4.2	4.8
Service industries	14.3	14.9	7.0	6.3	6.4	6.2	6.6	6.4
Professional services	6.1	6.4	4.9	4.8	4.3	3.7	5.2	5.3
All other service industries	8.1	8.4	4.0	8.3	8.4	8.4	10.0	8.1
Agricultural wage and salary workers	2.5	2.8	11.8	12.9	10.4	10.4	18.7	23.0
All other classes of workers	10.8	9.5	3.1	2.6	2.8	2.3	3.6	3.1
No previous work experience	11.1	12.9	--	--	--	--	--	--

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
UNEEMPLOYMENT LEVEL												
Total unemployed, in thousands	6,890	6,568	3,005	2,795	2,334	2,337	1,551	1,436	5,537	5,273	1,352	1,295
Job losers	3,768	3,216	2,212	1,930	1,127	995	429	292	3,112	2,679	656	537
On layoff	1,109	844	692	511	311	279	106	54	958	743	151	101
Other job losers	2,659	2,372	1,520	1,419	817	716	323	238	2,154	1,936	505	436
Job leavers	769	774	289	279	353	378	127	117	638	662	131	112
Reentrants	1,595	1,735	434	479	757	826	404	430	1,208	1,302	386	433
New entrants	758	842	70	107	96	138	591	597	578	629	179	213
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	54.7	49.0	73.6	69.1	48.3	42.5	27.7	20.4	56.2	50.8	48.6	41.5
On layoff	16.1	12.9	23.0	18.3	13.3	11.9	6.9	3.8	17.2	14.1	11.2	7.8
Other job losers	38.6	36.1	50.6	50.8	35.0	30.6	20.8	16.6	38.9	36.7	37.4	33.7
Job leavers	11.2	11.8	9.6	10.0	15.1	16.2	8.2	8.1	11.5	12.6	9.7	8.6
Reentrants	23.1	26.4	14.4	17.1	32.4	35.3	26.0	29.9	21.8	24.7	28.6	33.4
New entrants	11.0	12.8	2.3	3.8	4.1	5.9	38.1	41.6	10.4	11.9	13.3	16.5
UNEEMPLOYMENT RATE												
Total unemployment rate	7.4	6.9	5.9	5.4	6.9	6.6	18.5	16.9	6.7	6.2	12.6	11.8
Job loser rate ¹	4.0	3.4	4.4	3.7	3.3	2.8	5.2	3.4	3.8	3.2	6.1	4.9
Job leaver rate ¹ .....	.8	.8	.6	.5	1.0	1.1	1.5	1.4	.8	.8	1.2	1.0
Reentrant rate ¹	1.7	1.8	.8	.9	2.2	2.3	4.8	5.1	1.5	1.5	3.6	4.0
New entrant rate ¹ .....	.8	.9	.1	.2	.3	.4	7.1	7.0	.7	.7	1.7	2.0

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	April 1977						
	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	6,568	100.0	38.7	25.4	35.9	17.4	18.5
Job losers	3,216	100.0	29.8	24.5	45.6	21.9	23.7
On layoff	844	100.0	39.5	22.4	38.1	24.8	13.3
Other job losers	2,372	100.0	26.4	25.3	48.3	20.9	27.4
Job leavers	774	100.0	41.6	28.2	30.2	14.6	15.6
Reentrants	1,735	100.0	49.5	25.4	25.1	13.1	12.0
New entrants	842	100.0	48.3	25.8	25.8	11.0	14.8
Males, 20 years and over	2,795	100.0	30.3	25.5	44.2	20.7	23.5
Job losers	1,930	100.0	27.1	25.0	47.9	22.3	25.6
On layoff	511	100.0	36.1	20.1	43.8	29.3	14.5
Other job losers	1,419	100.0	23.8	26.8	49.4	19.7	29.7
Job leavers	279	100.0	39.1	26.2	34.8	17.2	17.6
Reentrants	479	100.0	39.7	26.3	34.0	17.1	16.9
New entrants	107	100.0	23.6	29.2	47.2	17.0	30.2
Females, 20 years and over	2,337	100.0	41.2	24.8	34.0	16.3	17.7
Job losers	995	100.0	29.9	23.4	46.6	22.4	24.2
On layoff	279	100.0	41.9	27.6	30.4	17.9	12.5
Other job losers	716	100.0	25.2	21.8	53.0	24.2	28.8
Job leavers	378	100.0	38.5	29.3	32.2	15.3	16.9
Reentrants	826	100.0	54.8	23.8	21.3	10.4	10.9
New entrants	138	100.0	48.6	28.3	23.1	10.1	13.0
Both sexes, 16 to 19 years	1,436	100.0	51.2	26.0	22.8	12.6	10.2
Job losers	292	100.0	47.6	25.3	27.1	18.2	8.9
On layoff	54	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers	238	100.0	45.6	26.2	28.3	18.6	9.7
Job leavers	117	100.0	57.3	29.1	13.6	6.8	6.8
Reentrants	430	100.0	50.1	27.7	22.2	13.8	8.4
New entrants	597	100.0	52.6	24.6	22.8	10.2	12.6

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	April 1977								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,568	5,593	26.5	6.4	72.6	31.4	14.3	7.2	1.58
16 to 19 years	1,436	1,362	16.7	2.3	80.4	24.9	12.5	4.5	1.41
20 to 24 years	1,463	1,270	29.4	6.9	73.1	33.3	12.1	4.9	1.60
25 to 34 years	1,597	1,323	34.9	7.9	69.5	36.1	16.7	6.3	1.71
35 to 44 years	756	615	30.4	10.6	68.5	31.4	14.6	11.9	1.67
45 to 54 years	696	511	22.9	7.8	68.1	32.3	17.2	10.6	1.59
55 to 64 years	478	383	25.8	7.3	67.4	32.4	13.3	15.1	1.61
65 years and over	142	128	14.1	3.1	68.8	27.3	18.0	6.3	1.38
Males, 16 years and over	3,548	2,925	29.4	6.7	72.5	30.5	16.4	10.4	1.66
16 to 19 years	753	709	20.7	2.4	81.5	22.1	17.5	5.5	1.50
20 to 24 years	826	678	31.0	5.9	74.8	32.6	14.2	6.5	1.65
25 to 34 years	855	668	41.8	9.6	67.4	36.2	17.2	8.4	1.81
35 to 44 years	384	308	35.1	12.0	64.6	33.8	17.9	20.5	1.84
45 to 54 years	376	273	18.7	8.1	68.5	31.5	17.2	18.7	1.63
55 to 64 years	274	217	27.6	6.5	66.8	27.6	14.7	19.8	1.63
65 years and over	81	72	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,020	2,668	23.3	6.2	72.7	32.4	11.9	3.6	1.50
16 to 19 years	683	653	12.3	2.1	79.2	27.9	7.0	3.4	1.32
20 to 24 years	637	592	27.5	8.1	71.3	34.1	10.0	2.9	1.54
25 to 34 years	742	655	27.9	6.3	71.6	36.0	16.2	4.1	1.62
35 to 44 years	372	307	25.7	9.1	72.3	29.0	11.4	3.3	1.51
45 to 54 years	320	239	27.2	7.5	67.8	33.1	17.2	1.7	1.55
55 to 64 years	204	166	23.5	8.4	68.1	38.6	11.4	9.6	1.60
65 years and over	61	56	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	5,273	4,407	24.1	6.3	73.1	32.7	14.2	7.5	1.58
Males	2,924	2,363	27.3	6.8	72.8	31.3	16.3	11.3	1.66
Females	2,349	2,044	20.4	5.7	73.4	34.3	11.7	3.1	1.49
Black and other	1,295	1,185	35.6	7.2	70.7	26.7	14.7	6.0	1.61
Males	624	561	38.7	6.2	71.1	27.3	17.3	6.8	1.67
Females	671	624	32.7	7.9	70.4	26.1	12.3	5.4	1.55

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	April 1977								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,568	5,593	26.5	6.4	72.6	31.4	14.3	7.2	1.58
Job losers	3,216	2,358	34.8	7.3	71.5	33.2	17.7	10.1	1.75
Job leavers	774	767	23.6	8.5	72.4	38.1	12.4	3.7	1.59
Reentrants	1,735	1,635	19.8	5.9	70.3	30.5	11.3	6.5	1.44
New entrants	842	833	18.7	3.1	80.2	22.0	12.1	3.6	1.40
Males, 16 years and over	3,548	2,925	29.4	6.7	72.5	30.5	16.4	10.4	1.66
Job losers	2,128	1,572	35.3	8.0	71.9	33.0	18.6	12.2	1.79
Job leavers	337	327	23.9	7.3	72.2	37.9	13.1	6.7	1.61
Reentrants	682	629	21.8	4.9	66.6	28.1	11.9	11.8	1.45
New entrants	400	396	23.2	3.8	84.6	18.4	17.7	3.8	1.52
Females, 16 years and over	3,020	2,668	23.3	6.2	72.7	32.4	11.9	3.6	1.50
Job losers	1,088	785	34.0	6.1	70.8	33.6	15.8	5.7	1.66
Job leavers	437	440	23.4	9.1	72.5	38.0	11.8	1.1	1.56
Reentrants	1,052	1,006	18.7	6.5	72.7	31.9	10.9	3.1	1.44
New entrants	443	437	14.6	2.5	76.2	25.4	6.9	3.4	1.29

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
Total	6,890	6,568	100.0	100.0	2,778	2,542	100.0	100.0
Less than 5 weeks	2,455	2,545	35.6	38.7	867	812	31.2	31.9
5 to 14 weeks	1,706	1,666	24.8	25.4	597	640	21.5	25.2
5 to 10 weeks	1,140	1,116	16.5	17.0	380	410	13.7	16.1
11 to 14 weeks	567	550	8.2	8.4	216	230	7.8	9.0
15 weeks and over	2,729	2,357	39.6	35.9	1,314	1,091	47.3	42.9
15 to 26 weeks	1,194	1,140	17.3	17.4	587	495	21.1	19.5
27 weeks and over	1,534	1,217	22.3	18.5	727	596	26.2	23.4
27 to 51 weeks	803	683	11.7	10.4	387	328	13.9	12.9
52 weeks and over	732	534	10.6	8.1	340	268	12.2	10.5
Average (mean) duration	18.0	16.3	--	--	20.3	19.4	--	--

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		Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
	April 1977									
Total, 16 years and over	6,568	2,545	1,666	1,140	1,217	16.3	35.6	38.7	39.6	35.9
16 to 21 years	2,096	993	563	287	253	12.1	43.0	47.4	28.3	25.8
16 to 19 years	1,436	735	374	182	146	10.7	47.1	51.2	24.5	22.8
20 to 24 years	1,463	570	411	256	226	14.6	33.5	38.9	37.9	33.0
25 to 34 years	1,597	576	398	316	307	16.7	35.0	36.1	39.9	39.0
35 to 44 years	756	279	182	125	170	18.6	34.9	36.9	43.6	39.0
45 to 54 years	696	200	174	151	171	21.7	26.4	28.8	53.0	46.3
55 to 64 years	478	117	112	95	153	24.3	27.8	24.5	57.8	52.0
65 years and over	142	68	16	16	43	20.2	23.2	47.6	54.2	41.2
Males, 16 years and over	3,548	1,236	899	681	732	17.9	31.7	34.8	43.1	39.8
16 to 21 years	1,110	498	299	167	146	13.0	38.1	44.9	32.0	28.2
16 to 19 years	753	389	186	103	75	11.0	41.5	51.7	27.6	23.6
20 to 24 years	826	278	255	158	135	15.4	29.9	33.6	42.5	35.5
25 to 34 years	855	274	203	196	182	18.4	31.0	32.1	42.9	44.2
35 to 44 years	384	115	97	74	97	21.1	30.4	29.9	47.9	44.7
45 to 54 years	376	90	89	82	115	24.6	23.9	24.0	55.0	52.3
55 to 64 years	274	54	60	63	96	27.8	26.4	19.8	62.9	58.1
65 years and over	81	36	9	5	31	21.8	21.2	44.1	52.1	44.7
Females, 16 years and over	3,020	1,309	767	459	485	14.4	40.7	43.3	35.0	31.3
16 to 21 years	986	495	263	119	108	11.1	49.3	50.2	23.4	23.0
16 to 19 years	683	346	188	78	71	10.2	54.9	50.6	20.2	21.9
20 to 24 years	637	292	156	98	91	13.5	38.1	45.8	32.1	29.7
25 to 34 years	742	302	195	120	125	14.7	40.2	40.7	36.1	33.1
35 to 44 years	372	164	85	50	73	15.9	39.7	44.2	39.0	33.1
45 to 54 years	320	110	84	69	56	18.3	30.0	34.4	50.3	39.2
55 to 64 years	204	63	52	33	57	19.6	29.7	30.9	50.4	43.7
65 years and over	61	32	7	11	11	18.2	(1)	(1)	(1)	(1)
White	5,273	2,066	1,296	964	947	16.1	35.2	39.2	40.6	36.2
Males	2,924	1,037	739	582	566	17.4	31.4	35.5	43.6	39.3
Females	2,349	1,029	557	382	382	14.4	40.3	43.8	36.6	32.5
Black and other	1,295	479	370	176	270	17.1	37.4	37.0	35.3	34.4
Males	624	199	160	98	166	20.3	33.0	31.9	40.8	42.4
Females	671	280	210	78	103	14.2	42.4	41.8	29.0	27.0
Males:										
Married, spouse present	1,552	451	395	354	353	19.6	27.9	29.0	48.5	45.5
Widowed, divorced, or separated	332	101	74	66	91	20.8	24.9	30.6	50.7	47.2
Single (never married)	1,664	684	431	261	288	15.7	36.7	41.1	36.5	33.0
Females:										
Married, spouse present	1,393	632	307	226	227	14.4	37.9	45.4	38.3	32.6
Widowed, divorced, or separated	581	222	159	92	108	16.8	40.4	38.2	38.2	34.4
Single (never married)	1,046	455	300	141	149	13.0	45.0	43.5	28.7	27.8

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		Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
	April 1977									
OCCUPATION										
White-collar workers	1,867	710	447	300	410	17.2	33.2	38.0	42.5	38.0
Professional and managerial	648	225	155	102	167	19.0	30.5	34.7	45.8	41.5
Sales workers	309	137	80	41	51	14.4	44.3	44.3	32.8	29.8
Clerical workers	910	349	213	157	192	16.9	31.8	38.3	43.2	38.3
Blue-collar workers	2,704	938	687	559	521	17.4	31.0	34.7	44.0	39.9
Craft and kindred workers	684	215	169	161	139	18.1	28.7	31.4	46.2	43.8
Operatives, except transport	1,132	413	292	211	216	17.1	33.2	36.5	40.3	37.7
Transport equipment operatives	248	72	70	64	41	16.8	32.2	29.3	48.8	42.3
Nonfarm laborers	639	237	154	123	125	17.2	29.7	37.1	46.1	38.8
Service workers	1,005	412	283	161	149	14.5	41.7	41.0	33.0	30.8
INDUSTRY¹										
Agriculture	183	83	49	31	20	12.9	49.0	45.1	34.3	28.1
Construction	633	188	157	166	123	18.7	32.2	29.6	47.5	45.6
Manufacturing	1,512	526	372	306	308	18.0	30.0	34.8	46.4	40.6
Durable goods	816	248	218	180	170	18.9	25.8	30.4	51.0	42.9
Non-durable goods	696	277	155	127	137	17.0	36.3	39.8	39.7	37.9
Transportation and public utilities	241	77	72	35	57	18.1	23.5	32.1	51.0	38.0
Wholesale and retail trade	1,358	558	364	226	211	14.7	37.4	41.1	34.4	32.1
Finance and service industries	1,453	586	370	211	285	15.3	37.3	40.3	37.8	34.2
Public administration	183	48	29	45	61	21.9	30.3	26.0	44.2	58.2
No previous work experience	845	409	217	93	125	13.8	47.6	48.4	25.7	25.9

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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
	All industries	86,584	89,258	51,812	52,955	34,772	36,303
16 to 19 years	6,830	7,063	3,682	3,840	3,147	3,223
16 to 17 years	2,718	2,788	1,518	1,556	1,200	1,232
18 to 19 years	4,111	4,275	2,164	2,285	1,947	1,991
20 to 24 years	11,995	12,431	6,567	6,752	5,428	5,679
25 to 54 years	54,295	55,992	33,201	33,879	21,092	22,113
25 to 34 years	21,794	22,896	13,400	13,897	8,393	8,999
35 to 44 years	16,286	16,898	9,907	10,159	6,379	6,739
45 to 54 years	16,215	16,198	9,894	9,823	6,320	6,375
55 to 64 years	10,730	10,975	6,626	6,785	4,104	4,191
55 to 59 years	6,566	6,785	4,032	4,154	2,534	2,632
60 to 64 years	4,165	4,190	2,595	2,631	1,570	1,559
65 years and over	2,734	2,797	1,734	1,699	999	1,098
Nonagricultural industries	83,311	86,118	49,081	50,368	34,230	35,751
16 to 19 years	6,423	6,693	3,331	3,512	3,092	3,181
16 to 17 years	2,510	2,584	1,340	1,382	1,170	1,202
18 to 19 years	3,914	4,109	1,991	2,130	1,923	1,979
20 to 24 years	11,647	12,090	6,272	6,468	5,375	5,622
25 to 54 years	52,642	54,410	31,888	32,638	20,755	21,773
25 to 34 years	21,250	22,351	12,960	13,477	8,290	8,874
35 to 44 years	15,776	16,399	9,508	9,769	6,269	6,631
45 to 54 years	15,616	15,660	9,420	9,392	6,196	6,268
55 to 64 years	10,216	10,472	6,181	6,366	4,035	4,106
55 to 59 years	6,287	6,510	3,799	3,935	2,488	2,575
60 to 64 years	3,929	3,962	2,382	2,431	1,547	1,531
65 years and over	2,384	2,452	1,410	1,383	973	1,069
Agriculture	3,273	3,140	2,731	2,587	542	553
16 to 19 years	407	370	352	328	55	42
16 to 17 years	209	204	178	174	30	30
18 to 19 years	198	166	173	155	25	12
20 to 24 years	348	341	295	284	53	57
25 to 54 years	1,653	1,581	1,314	1,241	338	340
25 to 34 years	544	545	441	420	104	125
35 to 44 years	510	498	399	390	110	108
45 to 54 years	599	538	474	431	124	107
55 to 64 years	515	504	446	418	69	85
55 to 59 years	279	276	233	219	46	57
60 to 64 years	236	228	213	200	23	28
65 years and over	350	344	324	315	26	29

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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	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
TOTAL	86,584	89,258	48,129	49,114	31,625	33,080	3,682	3,840	3,147	3,223
White-collar workers	46,360	44,791	20,753	21,101	20,466	21,496	597	591	1,543	1,603
Professional and technical	13,134	13,659	7,558	7,751	5,443	5,744	54	69	79	95
Health workers	2,262	2,421	808	863	1,437	1,537	2	5	15	16
Teachers, except college	3,171	3,182	958	964	2,188	2,185	3	3	22	29
Other professional and technical	7,701	8,056	5,792	5,924	1,818	2,022	49	61	42	50
Managers and administrators, except farm	9,237	9,292	7,284	7,175	1,883	2,047	58	41	12	29
Salaried workers	7,523	7,548	5,926	5,827	1,532	1,656	53	41	13	25
Self-employed workers in retail trade	853	885	606	632	247	248	1	1	--	4
Self-employed workers, except retail trade	860	860	752	717	103	143	5	--	--	--
Sales workers	5,483	5,794	2,921	3,089	1,967	2,082	244	270	350	354
Retail trade	2,940	3,184	890	1,013	1,561	1,624	186	218	303	329
Other industries	2,542	2,610	2,031	2,075	405	458	58	52	47	25
Clerical workers	15,507	16,045	2,990	3,086	11,174	11,622	241	211	1,102	1,125
Stenographers, typists, and secretaries	4,641	4,512	63	83	4,246	4,114	9	8	323	307
Other clerical workers	10,866	11,533	2,927	3,003	6,928	7,508	232	203	779	818
Blue-collar workers	28,470	29,521	21,508	22,208	4,724	4,877	1,893	2,078	345	358
Craft and kindred workers	10,982	11,670	10,131	10,669	501	554	324	405	26	43
Carpenters	983	1,113	935	1,035	7	9	39	66	2	3
Construction craft, except carpenters	2,179	2,362	2,092	2,226	12	27	71	102	3	6
Mechanics and repairers	2,880	3,063	2,718	2,892	29	29	133	136	2	7
Metal craft	1,141	1,264	1,093	1,200	26	42	20	24	2	--
Blue-collar worker supervisors, not elsewhere classified	1,455	1,551	1,334	1,396	114	128	6	20	1	7
All other	2,345	2,317	1,959	1,920	313	319	55	56	18	22
Operatives, except transport	10,006	10,207	5,530	5,617	3,688	3,760	537	597	251	533
Durable goods manufacturing	4,482	4,524	2,861	2,847	1,411	1,426	138	177	74	73
Nondurable goods manufacturing	3,232	3,378	1,296	1,327	1,724c	1,839	93	98	119c	115
Other industries	2,292	2,305	1,373	1,443	553c	495	306	322	58c	45
Transport equipment operatives	3,259	3,440	2,896	3,034	192	234	161	156	10	17
Drivers, motor vehicles	2,762	2,861	2,434	2,503	183	220	136	127	9	11
All other	497	579	461	530	8	14	26	29	1	6
Nonfarm laborers	4,223	4,204	2,951	2,889	344	330	871	921	57	65
Construction	678	696	571	547	10	7	96	137	1	4
Manufacturing	980	1,016	780	779	112	114	86	119	3	4
Other industries	2,565	2,492	1,601	1,563	221	209	689	664	54	56
Service workers	11,923	12,252	3,772	3,820	6,048	6,305	891	897	1,212	1,230
Private household workers	1,098	1,100	15	13	812	865	8	14	263	207
Service workers, except private household	10,826	11,152	3,757	3,808	5,237	5,439	883	882	948	1,023
Food service workers	3,926	4,094	689	723	2,081	2,103	533	551	624	715
Protective service workers	1,345	1,321	1,228	1,203	88	87	23	25	6	6
All other	5,555	5,737	1,840	1,882	3,068	3,249	327	306	318	302
Farm workers	2,830	2,694	2,096	1,985	386	403	301	274	47	33
Farmers and farm managers	1,512	1,437	1,423	1,338	70	89	15	8	4	2
Farm laborers and supervisors	1,318	1,258	673	647	316	314	286	266	43	31
Paid workers	974	920	639	607	95	111	214	184	27	17
Unpaid family workers	344	338	34	40	221	203	72	82	16	14

c = corrected.

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977	Apr. 1976	Apr. 1977
TOTAL						
Total employed (thousands)	86,584	89,258	51,812	52,955	34,772	36,303
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.1	50.2	41.2	41.0	63.3	63.6
Professional and technical	15.2	15.3	14.7	14.8	15.9	16.1
Managers and administrators, except farm	10.7	10.4	14.2	13.6	5.4	5.7
Sales workers	6.3	6.5	6.1	6.3	6.7	6.7
Clerical workers	17.9	18.0	6.2	6.2	35.3	35.1
Blue-collar workers	32.9	33.1	45.2	45.9	14.6	14.4
Craft and kindred workers	12.7	13.1	20.2	20.9	1.5	1.6
Operatives, except transport	11.6	11.4	11.7	11.7	11.3	11.0
Transport equipment operatives	3.8	3.9	5.9	6.0	.6	.7
Nonfarm laborers	4.9	4.7	7.4	7.2	1.2	1.1
Service workers	13.8	13.7	9.0	8.9	20.9	20.8
Private household workers	1.3	1.2	(1)	.1	3.1	3.0
Other service workers	12.5	12.5	9.0	8.9	17.8	17.8
Farm workers	3.3	3.0	4.6	4.3	1.2	1.2
Farmers and farm managers	1.7	1.6	2.8	2.5	.2	.3
Farm laborers and supervisors	1.5	1.4	1.9	1.7	1.0	1.0
White						
Total employed (thousands)	77,189	79,618	46,778	47,757	30,411	31,861
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.1	52.0	43.1	42.6	66.0	66.1
Professional and technical	15.7	15.7	15.4	15.3	16.1	16.2
Managers and administrators, except farm	11.4	11.1	15.1	14.4	5.8	6.1
Sales workers	6.8	7.0	6.5	6.8	7.3	7.3
Clerical workers	18.2	18.3	6.1	6.1	36.7	36.4
Blue-collar workers	32.3	32.5	44.2	45.0	14.0	13.9
Craft and kindred workers	13.2	13.6	20.7	21.6	1.6	1.7
Operatives, except transport	11.0	11.0	11.2	11.4	10.7	10.4
Transport equipment operatives	3.6	3.7	5.6	5.6	.6	.7
Nonfarm laborers	4.5	4.2	6.6	6.4	1.1	1.1
Service workers	12.2	12.4	8.0	8.1	18.7	18.8
Private household workers	.9	.9	(1)	.1	2.1	2.2
Other service workers	11.3	11.5	7.9	8.0	16.5	16.6
Farm workers	3.4	3.1	4.7	4.4	1.4	1.2
Farmers and farm managers	1.9	1.7	3.0	2.7	.2	.3
Farm laborers and supervisors	1.5	1.4	1.8	1.7	1.1	1.0
Black and other						
Total employed (thousands)	9,394	9,640	5,033	5,198	4,361	4,443
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	33.5	35.4	23.9	26.3	44.7	46.1
Professional and technical	11.1	12.2	8.5	9.9	14.2	14.9
Managers and administrators, except farm	4.5	5.1	6.0	7.0	2.9	2.9
Sales workers	2.2	2.4	2.3	2.2	2.2	2.6
Clerical workers	15.6	15.7	7.2	7.2	25.4	25.6
Blue-collar workers	37.6	37.4	54.1	53.8	18.5	18.3
Craft and kindred workers	8.5	8.4	15.0	14.7	1.1	1.1
Operatives, except transport	15.8	15.1	16.0	14.9	15.6	15.4
Transport equipment operatives	4.9	5.3	8.8	9.5	.3	.5
Nonfarm laborers	8.3	8.5	14.2	14.7	1.6	1.3
Service workers	26.8	25.0	18.5	16.8	36.4	34.7
Private household workers	4.6	4.0	.2	.1	9.7	8.6
Other service workers	22.2	21.0	18.4	16.7	26.6	26.1
Farm workers	2.1	2.1	3.5	3.2	.5	.9
Farmers and farm managers	.5	.5	1.0	.9	(1)	.1
Farm laborers and supervisors	1.6	1.6	2.6	2.3	.5	.8

¹ Less than 0.05 percent.

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

[In thousands]

Age and sex	April 1977								
	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	79,753	1,331	15,140	63,282	5,853	511	1,252	1,534	355
16 to 19 years	6,576	298	458	5,820	78	39	238	31	101
18 to 17 years	2,528	218	140	2,170	39	17	126	14	63
18 to 19 years	4,048	81	317	3,650	39	23	113	16	38
20 to 24 years	11,802	94	1,685	10,023	257	32	256	63	22
25 to 34 years	20,944	132	4,388	16,424	1,303	104	221	262	62
35 to 44 years	15,001	149	3,238	11,614	1,280	119	182	261	55
45 to 54 years	14,153	212	3,061	10,881	1,395	112	173	316	50
55 to 64 years	9,326	261	2,012	7,053	1,068	77	120	339	45
55 to 59 years	5,822	135	1,293	4,394	636	51	65	181	30
60 to 64 years	3,504	126	720	2,659	432	26	55	158	15
65 years and over	1,951	186	298	1,467	472	29	61	263	21
Males, 16 years and over	46,093	178	7,754	38,162	4,207	67	1,039	1,421	127
16 to 19 years	3,426	83	198	3,145	56	30	215	26	87
18 to 17 years	1,342	65	70	1,207	29	12	108	10	56
18 to 19 years	2,084	17	128	1,939	27	18	107	16	31
20 to 24 years	6,275	16	707	5,552	179	13	208	60	16
25 to 34 years	12,591	14	2,258	10,319	878	9	175	236	9
35 to 44 years	8,825	7	1,680	7,138	942	2	144	243	3
45 to 54 years	8,371	17	1,610	6,745	1,019	1	135	293	4
55 to 64 years	5,577	19	1,132	4,426	784	5	104	312	3
55 to 59 years	3,480	9	711	2,760	453	1	53	163	3
60 to 64 years	2,096	10	421	1,665	331	4	50	149	--
65 years and over	1,028	23	169	836	349	6	58	251	5
Females, 16 years and over	33,660	1,153	7,386	25,121	1,646	445	212	113	227
16 to 19 years	3,150	216	260	2,675	22	9	23	5	14
18 to 17 years	1,187	153	70	964	10	5	18	5	7
18 to 19 years	1,963	63	189	1,711	12	4	5	--	6
20 to 24 years	5,526	78	978	4,471	77	19	48	3	6
25 to 34 years	8,353	118	2,129	6,105	426	95	47	26	53
35 to 44 years	6,177	142	1,558	4,477	338	116	38	19	52
45 to 54 years	5,782	195	1,451	4,136	376	110	38	23	46
55 to 64 years	3,750	241	881	2,627	284	72	17	27	42
55 to 59 years	2,342	126	582	1,634	183	50	12	18	27
60 to 64 years	1,408	116	299	993	101	22	5	8	15
65 years and over	923	163	130	630	123	23	3	11	15

A-24. Employed persons by industry and occupation

[In thousands]

Industry	April 1977											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Profes- sional and technical workers	Managers and adminis- trators, 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	3,140	60	33	5	71	45	15	20	189	--	8	2,694
Mining	771	106	42	1	74	203	277	43	18	--	7	--
Construction	5,259	135	585	17	379	3,007	235	167	696	--	40	--
Manufacturing	20,466	2,001	1,395	438	2,451	4,057	7,902	840	1,016	--	366	--
Durable goods	12,261	1,323	798	169	1,412	2,787	4,523	405	635	--	209	--
Nondurable goods	8,205	678	597	269	1,040	1,271	3,378	435	381	--	156	--
Transportation and public utilities	5,729	414	531	44	1,344	1,228	153	1,417	411	--	186	--
Wholesale and retail trade	18,421	342	3,538	4,010	3,176	1,384	923	668	1,119	--	3,259	--
Wholesale trade	3,494	87	731	826	752	304	178	350	231	--	35	--
Retail trade	14,927	255	2,807	3,184	2,424	1,080	745	319	889	--	3,224	--
Finance, insurance, and real estate	4,908	264	886	1,120	2,183	117	6	11	68	--	251	--
Services	25,678	9,400	1,697	156	4,673	1,297	658	214	513	1,100	5,971	--
Private households	1,352	13	--	--	12	10	--	3	148	1,100	66	--
Other service industries	24,326	9,387	1,697	156	4,661	1,287	658	211	365	--	5,905	--
Public administration	4,886	936	585	3	1,693	333	39	60	174	--	1,063	--

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			
	Apr. 1976				Apr. 1977		Paid absences ²		Unpaid absences^{2}
			Apr. 1976	Apr. 1977			Apr. 1976	Apr. 1977
Total	5,081	4,400	4,974	4,330	2,653	2,224	1,876	1,687
Vacation	2,953	2,160	2,918	2,147	2,045	1,485	703	527
Illness	1,292	1,421	1,263	1,390	479	589	677	668
Bad weather	71	65	59	55	--	--	--	--
Industrial dispute	77	90	77	90	--	--	--	--
All other reasons	689	664	659	648	129	150	496	492
Males	2,582	2,277	2,489	2,221	1,455	1,296	766	698
Vacation	1,392	1,075	1,362	1,064	1,079	846	195	163
Illness	719	813	691	791	295	372	327	325
All other reasons ³	471	389	436	366	80	78	244	209
Females	2,499	2,123	2,486	2,109	1,196	927	1,110	990
Vacation	1,561	1,084	1,556	1,083	965	640	507	363
Illness	573	608	572	598	183	216	350	344
All other reasons ³	365	431	358	428	49	71	252	283

¹ Excludes private household.³ Includes bad weather and industrial dispute, not shown separately.² Pay 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	April 1977					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	84,858	81,788	3,070	100.0	100.0	100.0
1-34 hours	21,151	20,262	889	24.9	24.8	29.0
1-4 hours	790	752	38	.9	.9	1.2
5-14 hours	4,137	3,901	236	4.9	4.8	7.7
15-29 hours	10,358	9,919	439	12.2	12.1	14.3
30-34 hours	5,866	5,690	176	6.9	7.0	5.7
35 hours and over	63,708	61,526	2,181	75.1	75.2	71.0
35-39 hours	6,148	5,987	160	7.2	7.3	5.2
40 hours	35,351	34,908	443	41.7	42.7	14.4
41 hours and over	22,209	20,631	1,578	26.2	25.2	51.4
41 to 48 hours	8,735	8,523	212	10.3	10.4	6.9
49 to 59 hours	7,529	7,164	365	8.9	8.8	11.9
60 hours and over	5,945	4,944	1,001	7.0	6.0	32.6
Average hours, total at work	38.6	38.3	46.1	--	--	--
Average hours, workers on full-time schedules	43.2	42.7	55.2	--	--	--

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

[Numbers in thousands]

Reason for working less than 35 hours	April 1977					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	21,151	6,300	14,851	20,262	6,097	14,165
Economic reasons	3,045	1,261	1,784	2,897	1,187	1,710
Slack work	1,475	891	584	1,377	830	547
Material shortages or repairs to plant and equipment	81	81	--	76	76	--
New job started during week	190	190	--	183	183	--
Job terminated during week	99	99	--	97	97	--
Could find only part-time work	1,200	--	1,200	1,163	--	1,163
Other reasons	18,105	5,038	13,067	17,365	4,910	12,455
Does not want, or unavailable for, full-time work	11,205	--	11,205	10,687	--	10,687
Vacation	887	887	--	879	879	--
Illness	1,663	1,462	201	1,614	1,434	180
Bad weather	265	265	--	219	219	--
Industrial dispute	36	36	--	36	36	--
Legal or religious holiday	968	968	--	965	965	--
Full time for this job	1,218	--	1,218	1,186	--	1,186
All other reasons	1,863	1,420	443	1,780	1,377	403
Average hours:						
Economic reasons	21.5	24.0	19.7	21.6	24.1	19.9
Other reasons	20.7	26.8	18.4	20.8	26.9	18.4
Worked 30 to 34 hours:						
Economic reasons	887	529	358	862	514	348
Other reasons	4,979	2,880	2,099	4,828	2,827	2,001

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

[Numbers in thousands]

Industry	April 1977								
	Total at work	Full- or part-time status						Average hours, total at work	Average hours, workers on full-time schedules
		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	81,788	2,897	12,455	66,436	45,805	8,523	12,108	38.3	42.7
Wage and salary workers	75,796	2,590	11,334	61,872	43,929	8,012	9,931	38.0	42.2
Construction	4,127	287	239	3,601	2,708	400	493	38.7	41.4
Manufacturing	19,137	489	679	17,969	12,782	2,746	2,441	40.6	41.8
Durable goods	11,469	191	294	10,984	7,740	1,714	1,530	41.2	42.1
Nondurable goods	7,668	299	385	6,984	5,042	1,031	911	39.7	41.5
Transportation and public utilities	5,138	123	368	4,647	3,355	541	751	40.6	42.8
Wholesale and retail trade	15,845	718	4,220	10,907	6,740	1,775	2,392	36.1	43.4
Finance, insurance, and real estate	4,359	55	464	3,840	2,935	386	519	38.8	41.4
Service industries	21,773	864	5,073	15,836	11,589	1,661	2,586	35.4	42.0
Private households	1,284	200	733	351	268	31	52	21.3	41.0
All other industries	20,489	664	4,340	15,485	11,321	1,630	2,534	36.3	42.0
Public administration	4,693	44	263	4,386	3,399	423	564	40.4	41.9
Self-employed workers	5,481	299	933	4,249	1,722	483	2,044	42.7	49.9
Unpaid family workers	511	7	188	316	156	27	133	38.4	48.4

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	April 1977							
	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	81,788	2,897	12,455	66,436	45,805	20,631	38.3	42.7
16 to 21 years	10,935	652	4,527	5,756	4,397	1,359	29.7	40.9
16 to 19 years	6,443	378	3,560	2,505	1,958	547	25.8	40.2
16 to 17 years	2,486	97	2,027	362	313	49	18.7	38.0
18 to 19 years	3,956	280	1,533	2,143	1,644	499	30.3	40.6
20 years and over	75,345	2,518	8,895	63,932	43,849	20,083	39.4	42.8
20 to 24 years	11,688	623	1,889	9,176	6,734	2,442	36.8	41.6
25 years and over	63,657	1,895	7,006	54,756	37,115	17,641	39.9	43.0
25 to 44 years	36,964	1,077	3,461	32,426	21,652	10,774	40.3	43.2
45 to 64 years	24,423	718	2,438	21,267	14,726	6,541	40.0	43.0
65 years and over	2,270	100	1,108	1,062	734	328	29.0	42.7
Males, 16 years and over	48,146	1,373	4,050	42,723	26,413	16,310	41.3	44.2
16 to 21 years	5,796	331	2,244	3,221	2,219	1,002	31.3	42.2
16 to 19 years	3,406	211	1,791	1,404	1,010	394	27.1	41.1
16 to 17 years	1,346	57	1,066	223	182	41	20.0	38.5
18 to 19 years	2,060	154	725	1,181	829	352	31.7	41.6
20 years and over	44,740	1,163	2,259	41,318	25,402	15,916	42.4	44.3
20 to 24 years	6,295	290	863	5,142	3,305	1,837	38.8	43.2
25 years and over	38,445	873	1,396	36,176	22,097	14,079	43.0	44.5
25 to 44 years	22,386	510	447	21,429	12,784	8,645	43.7	44.6
45 to 64 years	14,790	316	409	14,065	8,864	5,201	43.1	44.2
65 years and over	1,269	48	540	681	448	233	31.2	42.9
Females, 16 years and over	33,642	1,524	8,406	23,712	19,391	4,321	33.9	40.2
16 to 21 years	5,139	320	2,283	2,536	2,179	357	27.9	39.3
16 to 19 years	3,036	168	1,770	1,098	944	154	24.5	39.1
16 to 17 years	1,140	41	961	138	130	8	17.2	37.0
18 to 19 years	1,896	126	808	962	815	147	28.8	39.4
20 years and over	30,605	1,355	6,636	22,614	18,448	4,166	34.9	40.3
20 to 24 years	5,393	334	1,026	4,033	3,428	605	34.5	39.6
25 years and over	25,212	1,021	5,610	18,581	15,020	3,561	35.0	40.5
25 to 44 years	14,578	567	3,014	10,997	8,870	2,127	35.3	40.3
45 to 64 years	9,633	403	2,028	7,202	5,861	1,341	35.4	40.5
65 years and over	1,001	52	568	381	286	95	26.1	42.2
RACE								
White	72,855	2,402	11,423	59,030	39,716	19,314	38.5	43.0
Males	43,359	1,146	3,681	38,532	23,235	15,297	41.6	44.4
Females	29,496	1,257	7,741	20,498	16,479	4,019	33.6	40.4
Black and other	8,933	494	1,032	7,407	6,092	1,315	37.0	40.6
Males	4,787	228	368	4,191	3,178	1,013	39.0	41.8
Females	4,146	267	664	3,215	2,913	302	34.6	39.1
MARITAL STATUS								
Males:								
Married, spouse present	34,871	709	1,178	32,984	19,897	13,087	43.2	44.5
Widowed, divorced, or separated	3,256	160	172	2,924	1,799	1,125	41.4	43.9
Single (never married)	10,019	503	2,699	6,817	4,718	2,099	34.9	42.8
Females:								
Married, spouse present	19,319	810	4,827	13,682	11,356	2,326	34.1	40.0
Widowed, divorced, or separated	6,385	342	1,079	4,964	3,862	1,102	35.9	40.6
Single (never married)	7,938	372	2,500	5,066	4,172	894	31.8	40.3

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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	April 1977								
	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	42,594	770	6,387	35,437	23,773	4,065	7,599	39.1	43.2
Professional and technical	12,765	203	1,614	10,949	7,141	1,284	2,523	39.9	43.6
Managers and administrators, except farm	8,935	58	433	8,444	4,047	1,130	3,267	45.7	47.3
Sales workers	5,528	166	1,399	3,963	2,437	493	1,033	36.5	43.7
Clerical workers	15,366	343	2,940	12,083	10,149	1,157	777	35.6	40.0
Blue-collar workers	28,013	1,356	2,167	24,490	17,067	3,711	3,712	39.5	42.3
Craft and kindred workers	11,103	405	448	10,250	6,893	1,652	1,705	41.1	42.7
Operatives, except transport	9,695	471	617	8,607	6,443	1,234	930	39.1	41.3
Transport equipment operatives	3,226	135	296	2,795	1,577	446	772	41.9	45.3
Nonfarm laborers	3,989	344	807	2,838	2,155	379	304	34.1	40.8
Service workers	11,606	800	3,994	6,812	5,117	779	916	32.3	42.1
Private household	1,057	151	610	296	229	28	39	21.5	40.3
Other service workers	10,549	650	3,384	6,515	4,889	751	875	33.4	42.2
Males									
White-collar workers	20,817	181	1,428	19,208	10,556	2,517	6,135	43.6	45.7
Professional and technical	7,455	62	520	6,873	4,075	805	1,993	42.9	45.1
Managers and administrators, except farm	6,949	41	171	6,737	2,966	898	2,873	47.2	48.1
Sales workers	3,251	40	405	2,806	1,523	390	893	41.2	45.0
Clerical workers	3,162	38	332	2,792	1,992	424	376	39.5	42.2
Blue-collar workers	23,094	1,022	1,592	20,480	13,677	3,302	3,501	40.2	42.8
Craft and kindred workers	10,539	387	354	9,798	6,553	1,590	1,655	41.3	42.8
Operatives, except transport	5,930	193	346	5,391	3,671	921	799	40.6	42.6
Transport equipment operatives	3,008	124	180	2,704	1,508	436	760	42.9	45.4
Nonfarm laborers	3,617	317	713	2,587	1,946	354	287	34.2	40.9
Service workers	4,549	193	1,084	3,272	2,285	406	581	36.7	43.7
Private household	27	3	19	5	5	--	--	14.9	34.5
Other service workers	4,522	190	1,065	3,267	2,277	407	583	36.8	43.7
Females									
White-collar workers	21,777	588	4,959	16,230	13,219	1,547	1,464	34.8	40.3
Professional and technical	5,310	141	1,095	4,074	3,066	479	529	35.6	41.0
Managers and administrators, except farm	1,985	16	262	1,707	1,080	233	394	40.5	44.0
Sales workers	2,277	126	994	1,157	915	103	139	29.8	40.6
Clerical workers	12,204	305	2,608	9,291	8,158	733	400	34.6	39.3
Blue-collar workers	4,919	334	575	4,010	3,389	409	212	36.1	39.4
Craft and kindred workers	565	17	94	454	341	62	51	37.0	41.4
Operatives, except transport	3,765	278	271	3,216	2,773	312	131	36.7	39.1
Transport equipment operatives	218	11	116	91	69	10	12	28.1	41.3
Nonfarm laborers	372	26	94	252	209	25	18	33.2	39.8
Service workers	7,057	608	2,910	3,539	2,832	373	334	29.6	40.6
Private household	1,030	149	591	290	221	28	41	21.7	40.4
Other service workers	6,027	459	2,319	3,249	2,612	344	293	30.9	40.7

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

[Numbers in thousands]

Employment status	April 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,322	4,234	4,088	7,008	3,575	3,433	1,314	660	655
Civilian labor force	1,553	873	680	1,441	810	630	112	63	49
Employed	1,336	734	601	1,255	686	569	80	48	32
Agriculture	157	127	29	149	123	26	8	5	3
Nonagricultural industries	1,179	607	572	1,106	563	543	72	43	29
Unemployed	217	139	78	185	124	61	32	15	17
Unemployment rate	14.0	15.9	11.5	12.8	15.3	9.7	28.6	(1)	(1)
Not in labor force	6,769	3,361	3,408	5,567	2,765	2,803	1,202	597	605
Keeping house	58	13	45	49	12	37	9	1	8
Going to school	6,244	3,114	3,130	5,134	2,563	2,571	1,110	551	559
Unable to work	9	9	--	9	9	--	--	--	--
All other reasons	459	225	234	375	180	195	84	45	39

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

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

Characteristics	April 1977					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,336	734	601	100.0	100.0	100.0
Nonagricultural industries	1,179	607	572	88.2	82.7	95.2
Wage and salary workers	1,072	518	555	80.3	70.4	92.3
Private household workers	489	123	366	36.6	16.8	60.9
Government workers	55	33	22	4.1	4.5	3.7
Other wage and salary workers	528	361	167	39.6	49.2	27.8
Self-employed workers	93	78	16	7.0	10.6	2.7
Unpaid family workers	13	12	2	1.0	1.6	.3
Agriculture	157	127	29	11.8	17.3	4.8
Wage and salary workers	70	54	16	5.2	7.4	2.7
Self-employed workers	17	15	2	1.3	2.0	.3
Unpaid family workers	70	58	12	5.2	7.9	2.0
OCCUPATION						
Total	1,336	734	601	100.0	100.0	100.0
White-collar workers	316	217	100	23.7	29.5	16.5
Professional and technical	12	5	7	1.0	.7	1.2
Managers and administrators, except farm	6	3	3	.4	.4	.5
Sales workers	231	187	44	17.3	25.5	7.3
Clerical workers	67	21	45	5.0	2.9	7.5
Blue-collar workers	264	246	17	19.8	33.6	2.8
Craft and kindred workers	18	18	--	1.3	2.5	--
Operatives, except transport	48	44	3	3.6	6.0	.5
Transport equipment operatives	5	5	--	.4	.7	--
Nonfarm laborers	193	179	14	14.4	24.4	2.3
Service workers	619	158	460	46.3	21.6	76.7
Private household workers	393	28	365	29.4	3.8	60.8
Other service workers	226	130	95	16.9	17.7	15.8
Farm workers	137	113	24	10.3	15.4	4.0
Farmers and farm managers	7	5	2	.5	.7	.3
Farm laborers and supervisors	130	108	22	9.7	14.7	3.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL													
Total noninstitutional population ¹	155,516	155,711	155,925	156,142	156,367	156,595	156,788	157,006	157,176	157,381	157,584	157,782	157,986
Armed Forces ¹	2,144	2,142	2,137	2,140	2,147	2,145	2,147	2,149	2,146	2,133	2,137	2,138	2,132
Civilian noninstitutional population ¹	153,371	153,570	153,788	154,002	154,220	154,451	154,642	154,857	155,031	155,248	155,447	155,643	155,854
Civilian labor force	94,376	94,551	94,704	95,189	95,351	95,242	95,302	95,871	95,960	95,516	96,145	96,539	96,760
Percent of civilian population	61.5	61.6	61.6	61.8	61.8	61.7	61.6	61.9	61.9	61.5	61.9	62.0	62.1
Employed	87,329	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962	89,475	90,023
Percent of total population	56.2	56.3	56.1	56.2	56.2	56.1	56.0	56.2	56.3	56.3	56.5	56.7	57.0
Agriculture	3,398	3,332	3,313	3,333	3,372	3,278	3,310	3,248	3,257	3,090	3,090	3,116	3,260
Nonagricultural industries	83,931	84,308	84,220	84,450	84,462	84,516	84,428	84,972	85,184	85,468	85,872	86,359	86,763
Unemployed	7,047	6,911	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183	7,064	6,737
Unemployment rate	7.5	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0
Not in labor force	58,995	59,019	59,084	58,813	58,869	59,209	59,340	58,986	59,071	59,732	59,302	59,104	59,094
Males, 20 years and over													
Total noninstitutional population ¹	66,002	66,087	66,182	66,279	66,384	66,491	66,598	66,699	66,835	66,930	67,025	67,114	67,209
Civilian noninstitutional population ¹	64,311	64,398	64,492	64,586	64,688	64,796	64,902	65,001	65,140	65,250	65,342	65,423	65,522
Civilian labor force	51,277	51,435	51,492	51,675	51,698	51,851	51,912	52,066	52,078	51,842	52,092	52,061	52,089
Percent of civilian population	79.7	79.9	79.8	80.0	79.9	80.0	80.1	80.1	80.1	79.9	79.7	79.6	79.5
Employed	48,455	48,542	48,443	48,544	48,638	48,701	48,684	48,773	48,859	48,961	49,091	49,267	49,465
Percent of total population	73.4	73.5	73.2	73.2	73.3	73.2	73.1	73.1	73.1	73.2	73.2	73.4	73.6
Agriculture	2,401	2,418	2,422	2,429	2,393	2,341	2,334	2,283	2,273	2,209	2,230	2,208	2,280
Nonagricultural industries	46,054	46,124	46,021	46,115	46,245	46,360	46,350	46,490	46,586	46,752	46,861	47,059	47,185
Unemployed	2,822	2,893	3,049	3,131	3,060	3,150	3,228	3,293	3,219	2,881	3,001	2,794	2,624
Unemployment rate	5.5	5.6	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8	5.4	5.0
Not in labor force	13,034	12,963	13,000	12,911	12,990	12,945	12,990	12,935	13,062	13,408	13,250	13,362	13,433
Females, 20 years and over													
Total noninstitutional population ¹	72,737	72,837	72,944	73,053	73,168	73,286	73,378	73,491	73,535	73,642	73,746	73,852	73,958
Civilian noninstitutional population ¹	72,653	72,753	72,857	72,966	73,078	73,196	73,288	73,401	73,445	73,550	73,654	73,757	73,863
Civilian labor force	34,013	33,999	34,278	34,487	34,562	34,540	34,444	34,848	34,938	34,740	34,982	35,295	35,455
Percent of civilian population	46.8	46.7	47.0	47.3	47.3	47.2	47.0	47.5	47.6	47.2	47.5	47.9	48.0
Employed	31,546	31,671	31,801	31,853	31,883	31,906	31,811	32,208	32,340	32,331	32,477	32,750	32,985
Percent of total population	43.4	43.5	43.6	43.6	43.6	43.5	43.4	43.8	44.0	43.9	44.0	44.3	44.6
Agriculture	550	485	487	486	532	520	553	558	573	488	485	496	577
Nonagricultural industries	30,996	31,186	31,314	31,367	31,351	31,386	31,258	31,650	31,767	31,843	31,992	32,254	32,408
Unemployed	2,467	2,328	2,477	2,634	2,679	2,634	2,633	2,640	2,598	2,409	2,505	2,545	2,470
Unemployment rate	7.3	6.8	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2	7.2	7.0
Not in labor force	38,640	38,754	38,579	38,479	38,516	38,656	38,844	38,553	38,507	38,810	38,672	38,462	38,408
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,776	16,788	16,799	16,811	16,815	16,819	16,812	16,816	16,806	16,810	16,813	16,816	16,819
Civilian noninstitutional population ¹	16,407	16,419	16,439	16,450	16,454	16,458	16,452	16,455	16,446	16,448	16,451	16,464	16,468
Civilian labor force	9,086	9,117	9,334	9,027	9,091	8,851	8,946	8,957	8,944	8,934	9,071	9,183	9,216
Percent of civilian population	55.4	55.5	54.3	54.9	55.3	53.8	54.4	54.4	54.4	54.3	55.1	55.8	56.0
Employed	7,328	7,427	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394	7,458	7,573
Percent of total population	43.7	44.2	43.4	43.9	43.5	42.7	43.1	43.0	43.1	43.2	44.0	44.4	45.0
Agriculture	447	429	404	418	447	417	423	407	411	393	375	412	403
Nonagricultural industries	6,881	6,998	6,885	6,968	6,866	6,770	6,820	6,832	6,831	6,873	7,019	7,046	7,170
Unemployed	1,758	1,690	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677	1,725	1,643
Unemployment rate	19.3	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8
Not in labor force	7,321	7,302	7,505	7,423	7,363	7,607	7,506	7,498	7,502	7,514	7,380	7,281	7,252

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-43 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	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	80,524	80,763	80,684	81,006	81,177	80,977	81,297	81,786	82,048	81,730	81,946	82,074	82,229
Employed	74,898	75,190	74,854	75,128	75,092	74,879	75,135	75,601	75,923	76,223	76,295	76,606	76,886
Unemployed	5,626	5,573	5,830	5,878	6,085	6,098	6,162	6,185	6,125	5,507	5,651	5,468	5,343
Unemployment rate	7.0	6.9	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9	6.7	6.5
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,916	13,801	13,993	14,181	14,351	14,340	14,059	14,046	13,912	13,980	14,265	14,426	14,587
Employed	12,443	12,403	12,707	12,681	12,922	12,963	12,610	12,577	12,546	12,549	12,736	12,820	13,146
Unemployed	1,473	1,398	1,286	1,500	1,429	1,377	1,449	1,469	1,366	1,431	1,529	1,606	1,441
Unemployment rate	10.6	10.1	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7	11.1	9.9

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	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
WHITE													
Total, 16 years and over:													
Civilian labor force	83,469	83,668	83,796	84,254	84,403	84,313	84,511	84,816	84,854	84,616	85,086	85,482	85,642
Employed	77,818	78,070	78,091	78,295	78,370	78,276	78,384	78,647	78,828	78,923	79,365	79,832	80,249
Unemployed	5,651	5,598	5,705	5,959	6,033	6,037	6,127	6,169	6,026	5,693	5,721	5,650	5,393
Unemployment rate	6.8	6.7	6.8	7.1	7.1	7.2	7.2	7.3	7.1	6.7	6.7	6.6	6.3
Males, 20 years and over:													
Civilian labor force	45,949	46,083	46,143	46,287	46,355	46,489	46,561	46,667	46,624	46,347	46,605	46,584	46,600
Employed	43,654	43,704	43,666	43,726	43,831	43,844	43,926	43,996	44,044	44,035	44,159	44,299	44,434
Unemployed	2,295	2,379	2,477	2,561	2,524	2,645	2,635	2,671	2,580	2,312	2,446	2,285	2,166
Unemployment rate	5.0	5.2	5.4	5.5	5.4	5.7	5.7	5.7	5.5	5.0	5.2	4.9	4.6
Females, 20 years and over:													
Civilian labor force	29,364	29,451	29,639	29,834	29,922	29,876	29,914	30,138	30,211	30,071	30,261	30,588	30,663
Employed	27,414	27,558	27,693	27,750	27,806	27,805	27,775	28,017	28,143	28,170	28,328	28,604	28,781
Unemployed	1,950	1,893	1,946	2,084	2,116	2,071	2,139	2,121	2,068	1,901	1,933	1,984	1,882
Unemployment rate	6.6	6.4	6.6	7.0	7.1	6.9	7.2	7.0	6.8	6.3	6.4	6.5	6.1
Both sexes, 16 to 19 years:													
Civilian labor force	8,156	8,134	8,014	8,133	8,126	7,948	8,036	8,011	8,019	8,198	8,220	8,310	8,379
Employed	6,750	6,808	6,732	6,819	6,733	6,627	6,683	6,634	6,641	6,718	6,878	6,929	7,034
Unemployed	1,406	1,326	1,282	1,314	1,393	1,321	1,353	1,377	1,378	1,480	1,342	1,381	1,345
Unemployment rate	17.2	16.3	16.0	16.2	17.1	16.6	16.8	17.2	17.2	18.1	16.3	16.6	16.1
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,876	10,846	10,844	10,868	10,979	10,906	10,910	11,114	11,109	11,030	11,163	11,104	11,071
Employed	9,466	9,509	9,388	9,464	9,484	9,508	9,444	9,618	9,623	9,648	9,697	9,690	9,711
Unemployed	1,410	1,337	1,456	1,404	1,495	1,398	1,466	1,496	1,486	1,382	1,466	1,414	1,360
Unemployment rate	13.0	12.3	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1	12.7	12.3
Males, 20 years and over:													
Civilian labor force	5,304	5,358	5,376	5,355	5,376	5,371	5,388	5,437	5,457	5,464	5,523	5,506	5,432
Employed	4,773	4,846	4,794	4,789	4,822	4,847	4,802	4,806	4,838	4,907	4,976	4,991	4,972
Unemployed	531	512	582	566	554	524	586	631	619	557	547	515	460
Unemployment rate	10.0	9.6	10.8	10.6	10.3	9.8	10.9	11.6	11.3	10.2	9.9	9.4	8.5
Females, 20 years and over:													
Civilian labor force	4,618	4,555	4,599	4,600	4,632	4,639	4,602	4,728	4,714	4,674	4,758	4,725	4,775
Employed	4,106	4,083	4,073	4,074	4,079	4,108	4,072	4,209	4,173	4,171	4,167	4,176	4,188
Unemployed	512	472	526	526	553	531	530	519	541	503	591	549	587
Unemployment rate	11.1	10.4	11.4	11.4	11.9	11.4	11.5	11.0	11.5	10.8	12.4	11.6	12.3
Both sexes, 16 to 19 years:													
Civilian labor force	954	933	869	913	971	896	920	949	938	892	882	873	864
Employed	587	580	521	601	583	553	570	603	612	570	554	523	551
Unemployed	367	353	348	312	388	343	350	346	326	322	328	350	313
Unemployment rate	38.5	37.8	40.0	34.2	40.0	38.3	38.0	36.5	34.8	36.1	37.2	40.1	36.2

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Characteristics													
Total (all civilian workers)	7.5	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0
Males, 20 years and over	5.5	5.6	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8	5.4	5.0
Females, 20 years and over	7.3	6.8	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2	7.2	7.0
Both sexes, 16-19 years	19.3	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8
White	6.8	6.7	6.8	7.1	7.1	7.2	7.3	7.3	7.1	6.7	6.7	6.6	6.3
Black and other	13.0	12.3	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1	12.7	12.3
Household heads	4.8	4.9	5.1	5.3	5.2	5.4	5.4	5.3	5.1	4.8	4.9	4.6	4.4
Married men	4.0	4.1	4.3	4.4	4.3	4.5	4.4	4.5	4.3	3.8	4.1	3.7	3.6
Full-time workers	7.0	6.9	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9	6.7	6.5
Part-time workers	10.6	10.1	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7	11.1	9.9
Unemployed 15 weeks and over ¹	2.2	2.2	2.3	2.4	2.5	2.4	2.5	2.6	2.6	2.4	2.3	2.0	1.9
Labor force time lost ²	8.1	8.1	7.9	8.1	8.4	8.4	8.6	8.6	8.4	8.0	7.9	7.8	7.4
OCCUPATION													
White-collar workers	4.7	4.5	4.5	4.7	4.9	4.6	4.6	4.7	4.5	4.5	4.6	4.7	4.4
Professional and technical	3.3	3.1	3.0	3.1	3.1	3.0	3.2	3.4	3.3	3.3	3.3	3.1	3.2
Managers and administrators, except farm	2.8	3.1	3.1	3.4	3.5	3.2	3.0	3.1	3.1	3.0	2.8	3.4	2.9
Sales workers	5.0	4.9	5.3	5.4	5.8	5.6	5.4	5.7	5.0	5.7	5.6	5.5	5.1
Clerical workers	7.0	6.3	6.2	6.6	7.0	6.2	6.2	6.3	6.1	6.0	6.4	6.5	6.0
Blue-collar workers	8.9	9.0	9.3	9.7	9.8	9.8	9.8	9.7	9.6	8.4	8.7	8.3c	7.8
Craft and kindred workers	6.9	6.3	7.0	7.2	7.0	6.9	6.8	7.0	7.0	6.1	6.5	6.0	4.9
Operatives, except transport	9.9	10.6	10.7	11.1	11.3	11.5	11.6	11.3	11.0	9.2	9.6	9.2	9.3
Transport equipment operatives	6.3	6.5	7.2	8.2	8.1	8.0	8.3	8.2	8.1	7.2	7.7	6.9	6.0
Nonfarm laborers	13.0	13.6	12.8	13.4	14.5	14.6	14.0	13.5	13.9	12.9	12.8	13.2	12.6
Service workers	8.3	8.2	8.6	8.6	8.5	8.7	9.4	9.3	9.0	8.6	8.4	7.9	8.1
Farm workers	4.5	4.6	4.2	4.3	3.6	4.0	4.2	5.1	6.1	4.8	6.7	5.4	4.8
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.6	7.5	7.8	8.0	8.2	8.1	8.2	8.2	7.9	7.4	7.6	7.4	7.0
Construction	15.2	14.5	16.3	17.0	16.5	15.7	15.1	15.4	14.1	14.9	15.2	14.2	12.0
Manufacturing	7.6	7.4	7.6	7.8	8.1	8.1	8.2	8.2	8.2	6.9	7.1	6.6	6.7
Durable goods	7.5	7.3	7.4	7.5	7.7	7.6	8.0	7.7	8.0	6.5	7.0	6.1c	6.0
Nondurable goods	7.7	7.5	7.9	8.4	8.7	8.9	8.5	8.9	8.6	7.4	7.3	7.3	7.7
Transportation and public utilities	4.2	5.0	5.0	5.2	4.8	5.4	5.6	5.7	5.2	4.7	4.6	5.1	4.4
Wholesale and retail trade	8.3	8.2	8.4	8.6	8.9	8.9	8.9	9.0	8.2	8.4	8.7	8.4	7.8
Finance and service industries	6.3	6.3	6.3	6.4	6.6	6.4	6.7	6.8	6.8	6.2	6.2	6.4	6.1
Government workers	4.8	4.6	4.3	4.5	4.4	3.9	4.4	4.3	4.4	4.3	4.5	4.0	4.0
Agricultural wage and salary workers	11.4	12.5	11.0	11.8	10.4	11.2	11.5	13.2	14.0	12.6	13.4	13.2	12.3

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.

c=corrected.

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

[Numbers in thousands]

Weeks of unemployment	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Duration													
Less than 5 weeks	2,988	2,795	2,730	2,931	2,867	2,852	2,952	2,759	2,765	2,762	2,804	3,005	3,100
5 to 14 weeks	1,902	1,978	2,215	2,093	2,433	2,426	2,367	2,494	2,319	2,083	2,107	2,098	1,857
15 weeks and over	2,103	2,042	2,173	2,247	2,341	2,311	2,360	2,517	2,514	2,283	2,182	1,923	1,816
15 to 26 weeks	715	850	902	1,058	1,127	1,118	1,094	1,188	1,130	1,038	947	777	715
27 weeks and over	1,388	1,192	1,271	1,189	1,214	1,193	1,266	1,329	1,384	1,245	1,235	1,146	1,101
Average (mean) duration, in weeks	15.8	15.1	16.9	15.6	15.4	15.4	15.3	15.5	15.6	15.5	14.7	14.0	14.3
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	42.7	41.0	38.4	40.3	37.5	37.6	38.4	35.5	36.4	38.7	39.5	42.8	45.8
5 to 14 weeks	27.2	29.0	31.1	28.8	31.8	32.0	30.8	32.1	30.5	29.2	29.7	29.9	27.4
15 weeks and over	30.1	30.0	30.5	30.9	30.6	30.5	30.7	32.4	33.1	32.0	30.8	27.4	26.8
15 to 26 weeks	10.2	12.5	12.7	14.6	14.7	14.7	14.2	15.3	14.9	14.6	13.4	11.1	10.6
27 weeks and over	19.8	17.5	17.9	16.4	15.9	15.7	16.5	17.1	18.2	17.5	17.4	16.3	16.3

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1976										1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
Total, 16 years and over	7.5	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0	
16 to 19 years	19.3	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8	
16 to 17 years	20.9	21.7	21.2	20.8	22.1	20.6	21.3	21.6	20.7	21.1	19.8	22.2	19.2	
18 to 19 years	18.2	16.5	16.2	15.9	18.0	17.5	17.5	17.6	17.7	17.0	17.5	16.6	16.8	
20 to 24 years	11.9	11.3	11.5	11.4	11.9	11.7	12.6	12.7	12.5	11.4	12.0	11.4	10.8	
25 years and over	5.1	5.1	5.4	5.9	5.6	5.8	5.7	5.6	5.5	5.1	5.2	5.1	4.9	
25 to 54 years	5.3	5.3	5.6	6.0	5.9	5.9	6.0	5.9	5.9	5.3	5.3	5.2	5.1	
55 years and over	4.6	4.3	4.7	4.9	4.8	4.8	4.6	4.6	4.2	4.1	4.8	4.3	4.1	
Males, 16 years and over	6.8	6.8	7.0	7.1	7.0	7.2	7.4	7.5	7.3	6.6	6.9	6.5	6.1	
16 to 19 years	20.1	19.2	18.5	18.3	18.7	19.1	19.6	19.7	19.1	17.4	18.6	18.7	17.0	
16 to 17 years	21.1	22.6	21.3	20.8	21.5	21.3	22.3	22.2	21.0	19.5	19.3	22.2	17.9	
18 to 19 years	19.0	17.0	16.4	16.6	16.8	17.3	17.7	18.1	17.4	16.1	17.9	16.1	16.0	
20 to 24 years	11.3	11.3	11.6	12.0	11.8	11.7	12.7	12.6	12.9	11.3	12.1	11.2	10.5	
25 years and over	4.5	4.5	4.9	5.1	5.0	5.2	5.1	5.2	5.0	4.6	4.6	4.3	4.1	
25 to 54 years	4.6	4.6	5.0	5.2	5.1	5.2	5.3	5.4	5.2	4.7	4.6	4.3	4.3	
55 years and over	4.3	4.4	4.7	4.2	4.6	4.6	4.4	4.4	3.9	4.0	4.7	4.4	3.7	
Females, 16 years and over	8.5	8.1	8.4	8.8	9.1	8.8	8.8	8.7	8.6	8.3	8.4	8.5	8.2	
16 to 19 years	18.5	17.8	18.3	18.0	20.6	18.4	18.3	18.5	18.9	20.1	18.4	18.9	18.8	
16 to 17 years	20.7	20.6	21.1	20.8	22.9	19.8	20.1	20.8	20.2	23.0	20.4	22.2	20.8	
18 to 19 years	17.3	15.9	15.9	15.2	19.4	17.6	17.3	17.1	18.0	18.1	16.9	17.1	17.7	
20 to 24 years	12.5	11.2	11.4	10.6	11.9	11.8	12.4	12.8	11.9	11.4	11.9	11.7	11.2	
25 years and over	6.1	6.0	6.3	7.1	6.7	6.7	6.6	6.4	6.4	5.9	6.1	6.1	6.0	
25 to 54 years	6.4	6.5	6.7	7.2	7.1	7.1	7.1	6.7	6.9	6.2	6.3	6.6	6.5	
55 years and over	4.9	4.2	4.7	5.9	5.2	5.2	4.9	5.1	4.7	4.3	4.9	4.2	4.6	

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

{Numbers in thousands}

Reason for unemployment	1976										1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
NUMBER OF UNEMPLOYED														
Job losers	3,461	3,506	3,580	3,758	3,790	3,727	3,756	3,802	3,736	3,207	3,396	3,143	2,953	
On layoff	990	963	1,031	1,142	1,191	1,222	1,107	1,067	1,057	791	1,001	865	754	
Other job losers	2,471	2,543	2,549	2,616	2,599	2,505	2,649	2,735	2,679	2,416	2,395	2,278	2,199	
Job leavers	841	892	895	957	994	934	936	858	831	932	852	919	846	
Reentrants	1,840	1,775	1,813	1,879	1,941	1,912	1,927	2,061	1,957	1,991	1,963	2,013	2,001	
New entrants	888	860	831	794	955	926	894	920	942	905	936	1,003	972	
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	49.2	49.9	50.3	50.9	49.3	49.7	50.0	49.8	50.0	45.6	47.5	44.4	43.6	
On layoff	14.1	13.7	14.5	15.5	15.5	16.3	14.7	14.0	14.2	11.2	14.0	12.2	11.1	
Other job losers	35.1	36.2	35.8	35.4	33.8	33.4	35.3	35.8	35.9	34.3	33.5	32.2	32.5	
Job leavers	12.0	12.7	12.6	13.0	12.9	12.5	12.5	11.2	11.1	13.2	11.9	13.0	12.5	
Reentrants	26.2	25.2	25.5	25.4	25.3	25.5	25.6	27.0	26.2	28.3	27.5	28.4	29.5	
New entrants	12.6	12.2	11.7	10.7	12.4	12.3	11.9	12.0	12.6	12.9	13.1	14.2	14.4	
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE														
Job losers	3.7	3.7	3.8	3.9	4.0	3.9	3.9	4.0	3.9	3.4	3.5	3.3	3.1	
Job leavers .....	.9	.9	.9	1.0	1.0	1.0	1.0	.9	.9	1.0	.9	1.0	.9
Reentrants	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.1	2.1	
New entrants .....	.9	.9	.9	.8	1.0	1.0	.9	1.0	1.0	.9	1.0	1.0	1.0

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

[Numbers in thousands]

Sex and age	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	87,329	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962	89,475	90,023
16 to 19 years	7,328	7,427	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394	7,458	7,573
16 to 17 years	3,014	2,928	2,863	2,994	2,970	2,916	2,861	2,882	2,914	2,906	3,017	2,972	3,092
18 to 19 years	4,350	4,452	4,391	4,386	4,346	4,319	4,380	4,356	4,332	4,396	4,402	4,461	4,527
20 to 24 years	12,269	12,373	12,343	12,457	12,301	12,321	12,279	12,378	12,459	12,598	12,634	12,706	12,710
25 years and over	67,730	67,855	67,892	67,911	68,140	68,317	68,257	68,533	68,762	68,759	68,980	69,336	69,744
25 to 54 years	54,306	54,376	54,485	54,502	54,682	54,751	54,688	54,873	55,059	55,239	55,511	55,787	56,010
55 years and over	13,388	13,406	13,419	13,410	13,506	13,566	13,599	13,644	13,702	13,564	13,538	13,530	13,698
Males, 16 years and over	52,397	52,490	52,332	52,507	52,596	52,546	52,576	52,643	52,799	52,918	53,046	53,270	53,575
16 to 19 years	3,942	3,948	3,889	3,963	3,958	3,845	3,892	3,870	3,940	3,957	3,955	4,003	4,110
16 to 17 years	1,672	1,573	1,531	1,641	1,652	1,587	1,588	1,577	1,622	1,588	1,617	1,613	1,714
18 to 19 years	2,304	2,335	2,330	2,316	2,308	2,298	2,301	2,289	2,316	2,381	2,358	2,384	2,433
20 to 24 years	6,770	6,792	6,720	6,766	6,726	6,778	6,787	6,832	6,879	6,975	6,951	6,988	6,958
25 years and over	41,692	41,762	41,722	41,743	41,828	41,955	41,922	41,931	42,016	41,993	42,160	42,298	42,500
25 to 54 years	33,346	33,395	33,324	33,337	33,392	33,468	33,505	33,478	33,529	33,594	33,799	33,908	34,029
55 years and over	8,336	8,354	8,391	8,402	8,442	8,464	8,461	8,460	8,500	8,449	8,384	8,395	8,461
Females, 16 years and over	34,932	35,150	35,201	35,276	35,238	35,248	35,162	35,577	35,642	35,640	35,916	36,205	36,448
16 to 19 years	3,386	3,479	3,400	3,423	3,355	3,342	3,351	3,369	3,302	3,309	3,439	3,455	3,463
16 to 17 years	1,342	1,355	1,332	1,353	1,318	1,329	1,273	1,305	1,292	1,318	1,400	1,359	1,378
18 to 19 years	2,046	2,117	2,061	2,070	2,038	2,021	2,079	2,067	2,016	2,015	2,044	2,077	2,094
20 to 24 years	5,499	5,581	5,623	5,691	5,575	5,543	5,492	5,546	5,580	5,623	5,683	5,718	5,752
25 years and over	26,038	26,093	26,170	26,168	26,312	26,362	26,335	26,602	26,746	26,766	26,820	27,038	27,244
25 to 54 years	20,960	20,981	21,161	21,165	21,290	21,283	21,183	21,395	21,530	21,645	21,712	21,879	21,981
55 years and over	5,052	5,052	5,028	5,008	5,064	5,102	5,138	5,184	5,202	5,115	5,154	5,135	5,237

A-41. Unemployed persons by sex and age, seasonally adjusted

[Numbers in thousands]

Sex and age	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	7,047	6,911	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183	7,064	6,737
16 to 19 years	1,758	1,690	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677	1,725	1,643
16 to 17 years	798	811	771	786	843	758	776	792	760	777	746	847	736
18 to 19 years	969	879	846	832	956	913	930	930	930	901	931	886	916
20 to 24 years	1,654	1,572	1,606	1,598	1,657	1,639	1,767	1,802	1,779	1,617	1,722	1,638	1,545
25 years and over	3,673	3,646	3,909	4,229	4,075	4,180	4,106	4,102	4,027	3,681	3,766	3,689	3,580
25 to 54 years	3,049	3,064	3,254	3,495	3,438	3,448	3,470	3,438	3,449	3,090	3,088	3,086	3,039
55 years and over	640	606	657	685	688	688	652	664	608	583	679	608	579
Males, 16 years and over	3,812	3,830	3,931	4,020	3,968	4,060	4,178	4,244	4,152	3,714	3,904	3,712	3,466
16 to 19 years	990	937	882	889	908	910	950	951	933	833	903	918	842
16 to 17 years	447	459	415	430	452	429	455	449	432	384	387	459	374
18 to 19 years	540	478	456	461	467	481	496	505	487	457	515	459	465
20 to 24 years	866	869	882	921	903	899	990	987	1,022	892	958	879	819
25 years and over	1,987	1,984	2,158	2,221	2,189	2,282	2,236	2,281	2,194	2,002	2,034	1,919	1,835
25 to 54 years	1,606	1,613	1,742	1,847	1,813	1,830	1,862	1,902	1,853	1,656	1,616	1,534	1,517
55 years and over	379	387	411	372	408	410	385	387	349	354	414	385	328
Females, 16 years and over	3,235	3,081	3,240	3,386	3,549	3,388	3,386	3,407	3,367	3,244	3,279	3,352	3,271
16 to 19 years	768	753	763	752	870	754	753	767	769	835	774	807	801
16 to 17 years	351	352	356	356	391	329	321	343	328	393	359	388	362
18 to 19 years	429	401	390	371	489	432	434	425	443	444	416	427	451
20 to 24 years	788	703	724	677	754	740	777	815	757	725	764	759	726
25 years and over	1,686	1,662	1,751	2,008	1,886	1,898	1,870	1,821	1,833	1,679	1,732	1,770	1,745
25 to 54 years	1,443	1,451	1,512	1,648	1,625	1,618	1,608	1,536	1,596	1,434	1,472	1,552	1,522
55 years and over	261	219	246	313	280	278	267	277	259	229	265	223	251

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-42. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total employed	87,329	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,588	88,962	89,475	90,023
Household heads	51,151	51,170	51,132	51,038	51,120	51,185	51,159	51,356	51,525	51,710	51,729	51,970	52,230
Married men, spouse present	38,225	38,196	38,122	38,146	38,179	38,140	37,989	37,895	37,998	38,195	38,159	38,294	38,536
Married women, spouse present	20,113	20,300	20,334	20,353	20,402	20,470	20,384	20,482	20,498	20,511	20,756	20,963	21,076
Occupation													
White-collar workers	43,431	43,757	43,583	43,503	43,731	44,023	44,207	44,297	44,648	44,521	44,451	44,495	44,851
Professional and technical	13,067	13,236	13,363	13,291	13,471	13,581	13,427	13,597	13,544	13,444	13,408	13,439	13,591
Managers and administrators, except farm	9,382	9,210	9,230	9,226	9,309	9,446	9,436	9,491	9,564	9,613	9,502	9,543	9,434
Sales workers	5,458	5,539	5,467	5,442	5,504	5,555	5,551	5,597	5,815	5,633	5,815	5,617	5,765
Clerical workers	15,524	15,772	15,523	15,544	15,447	15,441	15,793	15,612	15,725	15,831	15,726	15,896	16,061
Blue-collar workers	29,118	29,066	29,132	29,100	28,912	28,745	28,921	29,001	29,150	29,634 ^c	29,917	30,025 ^c	30,193
Craft and kindred workers	11,189	11,259	11,268	11,329	11,286	11,340	11,352	11,353	11,302	11,626	11,668	11,709	11,896
Operatives, except transport	10,190	10,192	10,257	10,131	10,015	9,820	9,885	9,970	10,231	10,341	10,341	10,574	10,394
Transport equipment operatives	3,299	3,296	3,365	3,275	3,266	3,275	3,297	3,258	3,283	3,358	3,448	3,487	3,482
Nonfarm laborers	4,440	4,319	4,242	4,365	4,345	4,310	4,387	4,420	4,334	4,309	4,450	4,255	4,421
Service workers	11,930	12,034	12,058	12,178	12,265	12,165	11,972	12,026	11,880	11,874	12,017	12,272	12,254
Farm workers	2,918	2,839	2,826	2,861	2,913	2,772	2,829	2,743	2,791	2,624	2,663	2,652	2,779
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,354	1,297	1,317	1,306	1,339	1,309	1,310	1,285	1,380	1,246	1,280	1,282	1,310
Self-employed workers	1,641	1,664	1,671	1,686	1,700	1,608	1,671	1,627	1,530	1,490	1,511	1,513	1,548
Unpaid family workers	364	357	342	336	352	344	343	342	340	354	338	319	366
Nonagricultural industries:													
Wage and salary workers	77,823	78,070	78,117	78,250	78,423	78,440	78,498	78,766	78,957	79,205	79,520	79,869	80,306
Private households	1,337	1,303	1,389	1,433	1,384	1,400	1,377	1,448	1,384	1,391	1,317	1,313	1,320
Government	14,806	14,858	14,899	14,942	15,262	15,143	14,998	15,045	14,967	15,013	14,913	14,923	14,960
Other	61,680	61,909	61,829	61,875	61,777	61,897	62,123	62,273	62,606	62,801	63,290	63,633	64,026
Self-employed workers	5,617	5,759	5,642	5,640	5,661	5,701	5,632	5,771	5,798	5,853	5,854	5,919	5,954
Unpaid family workers	465	463	453	447	444	433	448	449	460	419	516	536	499
Persons at work¹													
Nonagricultural industries	77,632	78,960	79,331	79,257	78,991	79,796	79,469	79,940	80,369	79,832	80,837	81,330	81,005
Full-time schedules	63,853	64,877	64,858	65,261	64,687	64,965	64,955	65,385	65,846	65,700	66,144	66,659	66,436
Part time for economic reasons	3,194	3,287	3,150	3,136	3,178	3,376	3,448	3,545	3,454	3,320	3,438	3,276	3,174
Usually work full time	1,307	1,438	1,326	1,311	1,350	1,378	1,339	1,289	1,234	1,112	1,335	1,212	1,167
Usually work part time	1,887	1,849	1,824	1,825	1,828	1,998	2,109	2,256	2,220	2,208	2,103	2,064	2,007
Part time for noneconomic reasons	10,629	10,585	10,796	11,323	10,860	11,126	11,455	11,066	11,010	11,069	10,812	11,395	11,395

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-43. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Apr. 1976	Mar. 1977	Apr. 1977	Apr. 1976	Dec. 1976	Jan. 1977	Feb. 1977	Mar. 1977	Apr. 1977
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,657	6,857	6,861	6,657	6,828	6,847	6,854	6,857	6,861
Civilian labor force	6,257	6,469	6,472	6,291	6,456	6,486	6,512	6,486	6,501
Employed	5,791	5,925	5,962	5,855	5,918	5,995	6,059	6,045	6,027
Unemployed	466	544	510	436	538	491	453	441	474
Unemployment rate	7.4	8.4	7.9	6.9	8.3	7.6	7.0	6.8	7.3
20 to 24 years									
Civilian noninstitutional population ²	1,095	1,080	1,077	1,095	1,089	1,086	1,085	1,080	1,077
Civilian labor force	942	940	929	969	956	964	977	949	956
Employed	796	756	794	820	795	802	823	787	818
Unemployed	146	184	135	149	161	162	154	162	138
Unemployment rate	15.5	19.6	14.5	15.4	16.8	16.8	15.8	17.1	14.4
25 to 29 years									
Civilian noninstitutional population ²	3,355	3,077	3,044	3,355	3,165	3,141	3,109	3,077	3,044
Civilian labor force	3,172	2,911	2,894	3,174	3,010	2,972	2,945	2,906	2,893
Employed	2,948	2,672	2,650	2,971	2,749	2,736	2,748	2,713	2,671
Unemployed	224	239	244	203	261	236	197	193	222
Unemployment rate	7.1	8.2	8.4	6.4	8.7	7.9	6.7	6.6	7.7
30 to 34 years									
Civilian noninstitutional population ²	2,207	2,700	2,740	2,207	2,574	2,620	2,660	2,700	2,740
Civilian labor force	2,143	2,618	2,649	2,148	2,490	2,550	2,590	2,631	2,652
Employed	2,047	2,497	2,518	2,064	2,374	2,457	2,488	2,545	2,538
Unemployed	96	121	131	84	116	93	102	86	114
Unemployment rate	4.5	4.6	4.9	3.9	4.7	3.6	3.9	3.3	4.3
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	16,566	17,264	17,347	16,566	17,036	17,116	17,191	17,264	17,347
Civilian labor force	14,737	15,472	15,147	14,957	15,562	15,460	15,674	15,717	16,645
Employed	13,527	14,090	14,264	13,767	14,141	14,198	14,327	14,483	15,510
Unemployed	1,210	1,382	1,153	1,190	1,421	1,262	1,347	1,234	1,135
Unemployment rate	8.2	8.9	7.6	8.0	9.1	8.2	8.6	7.9	6.8
20 to 24 years									
Civilian noninstitutional population ²	7,861	8,056	8,080	7,861	7,981	8,018	8,036	8,056	8,080
Civilian labor force	6,499	6,738	6,649	6,697	6,948	6,905	6,956	6,932	6,850
Employed	5,772	5,944	5,958	5,972	6,083	6,174	6,151	6,211	6,161
Unemployed	727	794	691	725	865	731	805	721	689
Unemployment rate	11.2	11.8	10.4	10.8	12.4	10.6	11.6	10.4	10.1
25 to 29 years									
Civilian noninstitutional population ²	4,909	5,268	5,298	4,909	5,188	5,211	5,239	5,268	5,298
Civilian labor force	4,609	4,970	4,961	4,624	4,882	4,849	4,952	5,029	4,977
Employed	4,322	4,582	4,677	4,335	4,529	4,475	4,589	4,676	4,691
Unemployed	287	388	284	289	353	374	363	353	286
Unemployment rate	6.2	7.8	5.7	6.3	7.2	7.7	7.3	7.0	5.7
30 to 34 years									
Civilian noninstitutional population ²	3,796	3,940	3,969	3,796	3,867	3,887	3,916	3,940	3,969
Civilian labor force	3,629	3,764	3,807	3,636	3,732	3,706	3,766	3,756	3,818
Employed	3,433	3,564	3,629	3,460	3,529	3,549	3,587	3,596	3,658
Unemployed	196	200	178	176	203	157	179	160	160
Unemployment rate	5.4	5.3	4.7	4.8	5.4	4.2	4.8	4.3	4.2

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.....	77,051	22,603	745	3,512	18,347	54,448	4,498	17,000	4,177	12,824	4,223	14,006	14,720	2,748	11,973
1976.....	79,443	23,332	783	3,594	18,956	56,111	4,509	17,694	4,263	13,431	4,316	14,644	14,948	2,733	12,215
Apr.....	78,976	23,047	766	3,468	18,813	55,929	4,474	17,490	4,212	13,278	4,276	14,536	15,153	2,730	12,423
May.....	79,424	23,245	775	3,598	18,872	56,179	4,474	17,606	4,228	13,378	4,278	14,654	15,147	2,735	12,412
June.....	80,142	23,662	795	3,750	19,117	56,480	4,531	17,757	4,280	13,477	4,344	14,815	15,033	2,758	12,275
July.....	79,242	23,446	804	3,821	18,821	55,796	4,540	17,723	4,297	13,426	4,368	14,825	14,340	2,775	11,565
Aug.....	79,555	23,806	766	3,869	19,171	55,749	4,528	17,754	4,302	13,452	4,368	14,869	14,230	2,754	11,476
Sept.....	80,277	24,027	804	3,815	19,408	56,250	4,560	17,870	4,300	13,570	4,347	14,813	14,660	2,717	11,943
Oct.....	80,572	23,804	804	3,815	19,185	56,768	4,538	17,922	4,322	13,600	4,355	14,849	15,104	2,711	12,393
Nov.....	80,943	23,781	807	3,742	19,232	57,162	4,546	18,122	4,321	13,801	4,368	14,858	15,268	2,720	12,548
Dec.....	81,099	23,480	805	3,547	19,128	57,619	4,553	18,559	4,326	14,233	4,385	14,861	15,261	2,725	12,536
1977:															
Jan.....	79,473	23,005	806	3,198	19,001	56,468	4,499	17,791	4,297	13,494	4,379	14,740	15,059	2,697	12,362
Feb.....	79,734	23,063	807	3,251	19,005	56,671	4,494	17,653	4,291	13,362	4,391	14,887	15,246	2,705	12,541
Mar ^P	80,527	23,442	825	3,439	19,178	57,085	4,521	17,783	4,306	13,477	4,419	15,032	15,330	2,714	12,616
Apr ^P	81,293	23,783	839	3,661	19,283	57,510	4,538	18,019	4,331	13,688	4,454	15,200	15,299	2,721	12,578

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
-	TOTAL	78,169	78,976	79,734	80,527	81,293	-	-	-	-	-
-	PRIVATE SECTOR	62,991	63,823	64,488	65,197	65,994	51,711	52,473	52,803	53,455	54,178
-	MINING	759	766	807	825	839	574	581	603	621	634
10	METAL MINING	89.6	90.2	96.0	96.3	-	68.9	69.5	74.0	74.3	-
101	Iron ores	24.2	24.9	25.6	25.8	-	19.5	20.1	20.6	20.8	-
102	Copper ores	33.9	34.2	36.4	36.3	-	25.5	25.9	28.0	27.9	-
11,12	COAL MINING	213.3	214.3	221.6	299.4	-	182.7	183.5	181.5	189.5	-
12	Bituminous coal and lignite mining	209.4	210.5	217.8	225.6	-	179.4	180.2	178.1	186.2	-
13	OIL AND GAS EXTRACTION	345.7	347.3	383.5	387.6	-	236.4	237.1	265.1	269.9	-
131,2	Crude petroleum and natural gas fields	160.8	161.0	168.3	168.7	-	81.3	81.5	83.1	84.1	-
138	Oil and gas field services	184.9	186.3	215.2	218.9	-	155.1	155.6	182.0	185.8	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	110.0	114.5	106.3	111.5	-	85.9	90.5	82.5	87.2	-
142	Crushed and broken stone	37.1	39.8	35.6	38.1	-	29.8	32.5	28.4	30.8	-
144	Sand and gravel	32.3	34.0	31.1	33.3	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,285	3,468	3,251	3,439	3,661	2,552	2,723	2,494	2,675	2,890
15	GENERAL BUILDING CONTRACTORS	992.7	1,035.3	977.8	1,035.1	-	760.6	798.9	739.3	795.1	-
16	HEAVY CONSTRUCTION CONTRACTORS	593.1	679.7	574.6	631.3	-	465.5	550.7	435.1	491.1	-
161	Highway and street construction	220.3	281.3	213.7	241.9	-	175.5	234.9	162.1	188.5	-
162	Heavy construction, nec	372.8	398.4	360.9	389.4	-	290.0	315.8	273.0	302.6	-
17	SPECIAL TRADE CONTRACTORS	1,699.3	1,753.0	1,699.0	1,772.3	-	1,326.2	1,373.3	1,319.1	1,389.2	-
171	Plumbing, heating, air conditioning	415.1	414.4	419.8	425.6	-	313.5	308.8	311.6	317.4	-
172	Painting, paper hanging, decorating	111.0	122.0	119.2	127.6	-	92.8	103.8	99.5	107.0	-
173	Electrical work	319.3	321.1	312.4	315.1	-	247.3	249.4	241.1	244.6	-
174	Masonry, stonework, and plastering	183.9	191.4	180.9	199.1	-	157.4	164.4	153.8	171.1	-
176	Roofing and sheet metal work	118.9	124.0	115.6	125.0	-	94.3	98.6	90.5	98.7	-
-	MANUFACTURING	18,679	18,813	19,005	19,178	19,283	13,409	13,529	13,600	13,766	13,863
19,24,25, 32-39	DURABLE GOODS	10,835	10,945	11,108	11,246	11,318	7,712	7,814	7,899	8,026	8,092
20-23, 26-31	NONDURABLE GOODS	7,844	7,868	7,897	7,932	7,965	5,697	5,715	5,701	5,740	5,771
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	160.4	159.3	155.8	155.2	155.7	73.0	72.4	69.5	69.5	71.0
192	Ammunition, except for small arms	105.1	103.7	101.6	100.2	100.0	37.5	36.8	35.4	34.9	35.2
1925	Complete guided missiles	86.7	85.9	84.0	82.6	-	24.3	24.1	22.6	22.2	-
1929	Ammunition, exc. for small arms, nec	18.4	17.8	17.6	17.6	-	13.2	12.7	12.8	12.7	-
24	LUMBER AND WOOD PRODUCTS	578.9	587.5	606.0	615.0	623.3	482.5	490.9	511.8	520.8	529.1
241	Logging camps and logging contractors	70.2	70.1	70.0	68.5	67.8	-	-	-	-	-
242	Sawmills and planing mills	202.8	204.0	210.1	212.1	213.5	178.6	180.6	186.5	188.7	190.0
2421	Sawmills and planing mills, general	172.1	173.4	178.3	180.2	-	151.2	153.4	158.2	160.3	-
243	Millwork, plywood and related products	191.7	196.1	205.9	213.1	218.6	158.6	162.6	170.2	176.9	181.7
2431	Millwork	87.1	88.7	95.1	97.1	-	71.5	72.9	77.2	79.2	-
2432	Veneer and plywood	71.8	72.4	75.1	75.6	-	64.2	64.7	67.1	67.6	-
244	Wooden containers	21.3	21.9	20.8	21.1	21.5	18.8	19.0	18.3	18.7	19.1
2441,2	Wooden boxes, shooks, and crates	17.1	17.6	16.6	17.0	-	15.1	15.3	14.7	15.1	-
249	Miscellaneous wood products	92.9	95.4	99.2	100.2	101.9	74.5	76.6	81.1	82.0	83.9

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
DURABLE GOODS—Continued											
25	FURNITURE AND FIXTURES	483.4	487.4	493.7	500.5	502.1	395.9	399.4	404.7	411.0	412.8
251	Household furniture	350.6	353.4	358.2	362.4	364.6	296.3	298.7	302.9	306.7	308.7
2511	Wood household furniture	177.7	179.5	181.8	183.9	—	155.4	156.8	159.5	161.1	—
2512	Upholstered household furniture	102.5	103.1	104.8	104.8	—	85.0	85.8	86.1	86.1	—
2515	Mattresses and bedsprings	33.3	33.4	32.1	32.4	—	25.5	25.4	24.5	24.8	—
252	Office furniture	37.0	37.1	40.2	41.6	—	28.9	29.1	32.3	33.6	—
254	Partitions and fixtures	51.3	51.5	51.9	52.7	—	38.1	38.3	38.4	39.2	—
253,9	Other furniture and fixtures	44.5	45.4	43.4	43.8	43.5	32.6	33.3	31.1	31.5	31.3
32	STONE, CLAY, AND GLASS PRODUCTS ...	602.9	618.3	597.6	626.7	639.9	477.3	491.6	467.9	496.4	507.8
321	Flat glass	16.4	16.2	15.7	15.7	—	13.1	12.9	12.5	12.5	—
322	Glass and glassware, pressed or blown	128.4	129.5	127.4	135.6	(*)	110.5	111.6	109.8	118.1	(*)
3221	Glass containers	74.2	75.5	75.8	78.4	—	65.1	66.4	67.7	70.3	—
3229	Pressed and blown glass, nec	54.2	54.0	51.6	57.2	—	45.4	45.2	42.1	47.8	—
324	Cement, hydraulic	28.1	29.7	27.6	29.0	29.3	22.0	23.5	21.4	22.8	23.1
325	Structural clay products	45.7	46.5	42.6	47.3	(*)	36.3	37.3	32.9	37.4	(*)
3251	Brick and structural clay tile	20.1	21.0	18.0	20.7	—	16.6	17.5	14.4	17.0	—
326	Pottery and related products	43.6	44.2	40.2	40.1	—	36.8	37.4	33.7	33.5	—
327	Concrete, gypsum, and plaster products	176.0	186.0	173.9	185.2	195.3	134.5	143.8	131.7	142.1	151.1
328,9	Other stone and nonmetallic mineral products	129.2	131.0	132.0	134.3	135.8	97.2	98.6	98.6	101.1	102.4
3291	Abrasive products	23.8	23.9	23.8	23.8	—	16.9	17.0	16.7	16.7	—
33	PRIMARY METAL INDUSTRIES	1,169.4	1,184.3	1,170.6	1,191.0	1,207.2	914.8	930.4	910.9	930.6	946.7
331	Blast furnace and basic steel products	527.9	541.9	525.5	540.7	(*)	410.7	424.6	405.6	421.1	(*)
3312	Blast furnaces and steel mills	456.7	469.8	454.1	467.8	—	357.0	369.9	352.0	366.2	—
332	Iron and steel foundries	219.2	215.5	215.1	216.0	(*)	180.4	177.3	175.5	175.9	(*)
3321	Gray iron foundries	138.8	135.9	139.5	139.5	—	116.1	114.0	115.8	115.4	—
3322	Malleable iron foundries	20.6	21.4	19.5	20.0	—	16.5	17.2	15.7	16.1	—
3323	Steel foundries	59.8	58.2	56.1	56.5	—	47.8	46.1	44.0	44.4	—
333,4	Nonferrous metals	81.8	83.3	85.7	85.5	86.4	62.0	63.3	64.8	64.9	65.9
3334	Primary aluminum	30.5	32.0	34.3	34.1	—	24.4	25.7	27.8	27.5	—
335	Nonferrous rolling and drawing	189.9	192.8	195.4	197.7	(*)	139.5	143.2	144.4	145.8	(*)
3351	Copper rolling and drawing	34.5	35.3	35.7	36.2	—	26.2	27.1	27.1	27.5	—
3352	Aluminum rolling and drawing	57.9	59.0	62.0	62.9	—	41.0	42.4	44.8	44.9	—
3357	Nonferrous wire drawing and insulating	77.8	79.3	78.1	78.7	—	58.2	59.7	58.7	59.4	—
336	Nonferrous foundries	78.3	78.1	80.1	81.3	81.5	65.0	64.5	66.3	67.7	67.7
3361	Aluminum castings	42.9	43.5	44.2	45.2	—	36.1	36.5	37.1	38.3	—
3362,9	Other nonferrous castings	35.4	34.6	35.9	36.1	—	28.9	28.0	29.2	29.4	—
339	Miscellaneous primary metal products	72.3	72.7	68.8	69.8	70.9	57.2	57.5	54.3	55.2	56.2
3391	Iron and steel forgings	47.7	47.6	43.5	43.9	—	37.8	37.7	34.6	34.9	—
34	FABRICATED METAL PRODUCTS	1,364.5	1,377.6	1,397.7	1,416.1	1,425.8	1,025.4	1,038.9	1,053.5	1,069.2	1,078.4
341	Metal cans	61.8	63.8	58.9	61.7	61.4	52.9	55.2	49.9	53.2	52.6
342	Cutlery, hand tools, and hardware	164.2	165.8	171.5	172.5	172.8	126.7	128.1	133.8	134.5	134.6
3421,3,5	Cutlery and hand tools, including saws	69.9	70.0	69.9	70.3	—	53.4	53.6	54.1	54.3	—
3429	Hardware, nec	94.3	95.8	101.6	102.2	—	73.3	74.5	79.7	80.2	—
343	Plumbing and heating, except electric	68.6	68.8	72.0	73.1	73.8	50.5	50.6	53.8	54.2	55.2
3431,2	Sanitary ware and plumbers' brass goods	31.5	31.9	32.5	32.9	—	24.1	24.3	25.3	25.5	—
3433	Heating equipment, except electric	37.1	36.9	39.5	40.2	—	26.4	26.3	28.5	28.7	—
344	Fabricated structural metal products	439.1	443.1	444.7	449.9	454.6	302.2	306.4	306.7	311.4	316.2
3441	Fabricated structural steel	98.6	98.3	93.4	94.6	—	69.7	69.3	65.2	66.7	—
3442	Metal doors, sash, and trim	64.4	67.8	69.1	71.3	—	46.4	50.0	50.3	52.2	—
3443	Fabricated plate work (boiler shops)	139.4	138.6	136.5	136.3	—	90.7	90.0	88.1	87.8	—
3444	Sheet metal work	82.4	83.7	88.4	89.6	—	58.6	59.9	64.2	65.1	—
3446,9	Architectural and miscellaneous metal work	54.3	54.7	57.3	58.1	—	36.8	37.2	38.9	39.6	—
345	Screw machine products, bolts, etc	96.1	96.8	103.0	104.0	104.5	74.1	74.9	80.5	81.2	81.2
3451	Screw machine products	44.1	44.6	49.1	49.8	—	35.9	36.4	40.5	41.1	—
3452	Bolts, nuts, rivets, and washers	52.0	52.2	53.9	54.2	—	38.2	38.5	40.0	40.1	—
346	Metal stampings	225.2	227.5	228.4	230.6	232.5	183.1	185.6	186.0	188.1	189.7
347	Metal services, nec	88.3	89.4	92.0	93.7	94.4	71.9	72.8	75.0	76.5	77.3
348	Miscellaneous fabricated wire products	58.9	60.0	58.7	59.8	60.2	46.7	47.7	45.6	46.1	46.6
349	Miscellaneous fabricated metal products	162.3	162.4	168.5	170.8	171.6	117.3	117.6	122.2	124.0	125.0
3494,8	Valves, pipe, and pipe fittings	107.7	107.3	111.1	112.1	—	74.0	73.6	76.5	77.1	—

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					
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	
	DURABLE GOODS—Continued											
35	MACHINERY, EXCEPT ELECTRICAL	2,052.6	2,057.9	2,140.6	2,141.3	2,146.2	1,330.0	1,333.8	1,384.5	1,385.8	1,392.7	
351	Engines and turbines	112.7	113.0	115.1	115.8	116.0	73.4	73.5	74.6	75.6	76.0	
3511	Steam engines and turbines	42.7	43.1	42.7	43.2	—	22.8	22.9	22.5	22.8	—	
3519	Internal combustion engines, nec	70.0	69.9	72.4	72.6	—	50.6	50.6	52.1	52.8	—	
352	Farm machinery	151.1	150.4	149.1	143.3	—	107.6	106.8	104.7	100.6	—	
353	Construction and related machinery	335.7	337.6	338.0	338.0	339.8	217.4	218.9	218.4	218.0	219.5	
3531,2	Construction and mining machinery	179.1	180.5	175.1	175.2	—	115.6	116.6	112.7	112.6	—	
3533	Oil field machinery	69.4	69.5	69.5	69.8	—	49.8	49.4	48.9	48.9	—	
3535,6	Conveyors, hoists, cranes, monorails	45.6	46.1	48.9	48.5	—	27.6	28.0	28.7	28.4	—	
3537	Industrial trucks and tractors	28.9	29.0	32.6	32.6	—	17.9	18.4	21.6	21.6	—	
354	Metal working machinery	303.7	305.4	321.6	323.6	325.2	221.0	221.8	236.1	238.0	239.7	
3541	Machine tools, metal cutting types	58.4	58.4	61.9	62.2	—	37.7	37.6	40.4	40.7	—	
3544	Special dies, tools, jigs, and fixtures	119.0	119.7	129.4	130.8	—	95.4	95.7	104.1	105.4	—	
3546	Machine tool accessories	53.0	53.5	56.1	56.2	—	37.8	38.0	40.0	40.2	—	
3542,8	Miscellaneous metal working machinery	73.3	73.8	74.2	74.4	—	50.1	50.5	51.6	51.7	—	
355	Special industry machinery	175.2	175.5	177.6	176.9	177.2	111.8	112.3	113.1	112.4	112.5	
3551	Food products machinery	40.5	40.7	41.7	41.8	—	26.2	26.5	27.1	27.1	—	
3552	Textile machinery	31.4	31.1	30.3	30.2	—	22.5	22.3	21.7	21.6	—	
3555	Printing trades machinery	25.0	25.1	25.9	26.0	—	14.9	15.2	15.1	15.2	—	
356	General industrial machinery	283.0	279.9	294.1	293.9	(*)	185.4	182.9	193.1	192.9	(*)	
3561	Pumps and compressors	81.0	81.3	84.3	84.2	—	48.3	48.6	50.8	50.8	—	
3562	Ball and roller bearings	53.5	49.9	54.8	54.5	—	40.7	37.9	41.8	41.2	—	
3564	Blowers and fans	32.4	33.1	35.6	35.6	—	20.6	20.7	22.8	22.8	—	
3566	Power transmission equipment	47.7	48.0	47.1	47.4	—	33.7	34.1	32.8	33.4	—	
357	Office and computing machines	283.4	284.7	309.7	309.8	309.0	112.9	113.5	125.2	123.3	124.9	
3573	Electronic computing equipment	212.5	213.6	235.5	237.6	—	70.4	71.1	81.9	82.5	—	
358	Service industry machines	159.9	162.3	169.8	172.5	173.9	110.9	113.2	117.3	119.8	122.5	
3585	Refrigeration machinery	111.7	113.9	119.3	122.0	—	79.1	81.3	84.1	86.5	—	
359	Miscellaneous machinery, except electrical ..	247.9	249.1	265.6	267.5	268.7	189.6	190.9	202.0	205.2	206.1	
36	ELECTRICAL EQUIPMENT AND SUPPLIES ..	1,799.4	1,813.8	1,878.9	1,890.2	1,899.9	1,182.3	1,196.8	1,242.3	1,252.6	1,264.0	
361	Electric test and distributing equipment ..	191.6	192.7	197.6	198.9	200.7	127.2	128.6	132.9	134.5	137.1	
3611	Electric measuring instruments	69.0	69.5	73.6	74.1	—	40.9	41.4	44.7	45.1	—	
3612	Transformers	49.4	49.8	48.5	48.7	—	35.0	35.7	34.7	35.3	—	
3613	Switchgear and switchboard apparatus	73.2	73.4	75.5	76.1	—	51.3	51.5	53.5	54.1	—	
362	Electrical industrial apparatus	207.6	209.5	219.4	220.8	(*)	146.8	148.9	156.5	157.2	(*)	
3621	Motors and generators	103.8	104.5	107.0	107.7	—	77.5	78.3	80.3	80.6	—	
3622	Industrial controls	64.4	65.3	70.2	70.3	—	41.4	42.5	46.0	46.1	—	
363	Household appliances	164.1	167.5	170.2	173.5	(*)	127.4	130.8	132.1	135.7	(*)	
3632	Household refrigerators and freezers	37.4	38.5	37.3	38.0	—	28.8	29.9	28.3	29.3	—	
3633	Household laundry equipment	24.9	25.8	25.5	26.4	—	19.3	20.2	20.0	20.8	—	
3634	Electric housewares and fans	46.8	47.5	50.1	51.7	—	36.6	37.4	39.6	41.3	—	
364	Electric lighting and wiring equipment	191.4	193.9	201.6	204.8	206.5	146.4	149.1	154.3	156.9	158.4	
3641	Electric lamps	35.9	36.7	37.4	37.6	—	31.9	32.7	33.3	33.7	—	
3642	Lighting fixtures	63.8	64.1	65.2	66.5	—	48.9	49.4	50.3	51.2	—	
3643,4	Wiring devices	91.7	93.1	99.0	100.7	—	65.6	67.0	70.7	72.0	—	
365	Radio and TV receiving equipment	125.8	126.1	127.6	128.0	(*)	90.6	90.6	90.0	90.2	(*)	
366	Communication equipment	420.8	420.1	428.5	429.5	(*)	208.1	207.9	213.4	215.0	(*)	
3661	Telephone and telegraph apparatus	132.1	132.4	140.2	141.5	—	83.8	84.6	93.5	94.6	—	
3662	Radio and TV communication equipment	288.7	287.7	288.3	288.0	—	124.3	123.3	119.9	120.4	—	
367	Electronic components and accessories	361.2	364.8	383.8	383.9	385.5	230.7	233.9	245.8	245.5	246.2	
3671-3	Electron tubes	41.9	42.0	41.9	41.8	—	27.4	27.5	26.8	26.4	—	
3674,9	Other electronic components	319.3	322.8	341.9	342.1	—	203.3	206.4	219.0	219.1	—	
369	Miscellaneous electrical equipment and supplies	136.9	139.2	150.2	150.8	(*)	105.1	107.0	117.3	117.6	(*)	
3694	Engine electrical equipment	71.0	71.6	79.0	78.8	—	56.0	56.3	64.1	63.5	—	
37	TRANSPORTATION EQUIPMENT	1,707.2	1,735.3	1,735.8	1,775.5	1,785.1	1,210.1	1,233.2	1,223.9	1,256.9	1,258.5	
371	Motor vehicles and equipment	830.6	848.5	842.7	871.1	(*)	647.9	662.0	651.7	678.1	(*)	
3711	Motor vehicles	346.6	354.1	334.2	355.9	—	259.2	264.7	245.0	265.1	—	
3712	Passenger car bodies	46.6	46.6	47.0	47.0	—	36.7	36.5	36.2	36.2	—	
3713	Truck and bus bodies	37.5	38.5	40.0	40.8	—	28.4	29.3	30.8	31.6	—	
3714	Motor vehicle parts and accessories	379.6	388.5	397.4	402.7	—	308.7	316.4	321.1	326.0	—	
3715	Truck trailers	20.3	20.8	24.1	24.7	—	14.9	15.1	18.6	19.2	—	
372	Aircraft and parts	490.1	486.6	482.5	476.4	(*)	255.7	252.8	247.7	241.1	(*)	
3721	Aircraft	264.3	261.7	259.8	260.4	—	127.3	125.3	123.3	122.4	—	
3722	Aircraft engines and engine parts	132.6	132.9	132.4	125.3	—	71.8	72.0	70.3	64.1	—	
3723,9	Other aircraft parts and equipment	93.2	92.0	90.3	90.7	—	56.6	55.5	54.1	54.6	—	
373	Ship and boat building and repairing	208.5	212.9	220.7	227.2	(*)	166.9	170.1	176.1	180.4	(*)	
3731	Ship building and repairing	162.5	165.5	170.2	175.4	—	128.9	130.8	134.6	137.5	—	

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
DURABLE GOODS—Continued											
TRANSPORTATION EQUIPMENT—Continued											
3732	Boat building and repairing	46.0	47.4	50.5	51.8	—	38.0	39.3	41.5	42.9	—
374	Railroad equipment	44.2	43.4	45.0	45.9	—	32.5	31.8	33.2	33.9	—
375.9	Other transportation equipment	133.8	143.9	144.9	154.9	—	107.1	116.5	115.2	123.4	—
38	INSTRUMENTS AND RELATED PRODUCTS	501.4	505.6	521.1	521.1	516.8	303.6	307.3	318.2	318.5	313.4
381	Engineering and scientific instruments	59.7	58.8	58.5	58.8	—	29.1	28.7	27.5	27.7	—
382	Mechanical measuring and control devices	115.3	117.3	120.5	120.2	(*)	72.8	74.8	77.7	77.4	(*)
3821	Mechanical measuring devices	75.8	76.2	78.9	79.7	—	44.6	45.3	48.0	48.9	—
3822	Automatic temperature controls	39.5	41.1	41.6	40.5	—	28.2	29.5	29.7	28.5	—
383.5	Optical and ophthalmic goods	62.4	63.1	68.0	67.9	67.8	42.4	42.7	46.0	45.5	45.4
385	Ophthalmic goods	40.9	41.4	44.0	43.7	—	30.0	30.3	31.7	31.3	—
384	Medical instruments and supplies	106.5	107.9	113.4	113.8	113.8	71.9	72.7	76.2	77.7	75.6
386	Photographic equipment and supplies	127.4	127.9	130.3	130.3	(*)	64.4	64.1	66.8	66.5	(*)
387	Watches, clocks, and watchcases	30.1	30.6	30.4	30.1	—	24.0	24.3	24.0	23.7	—
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	414.6	417.7	409.7	413.3	416.0	317.1	319.0	311.8	315.0	317.9
391	Jewelry, silverware, and plated ware	54.2	53.9	54.1	54.2	(*)	39.1	39.9	39.7	39.6	(*)
394	Toys and sporting goods	111.2	115.0	112.8	115.4	—	84.5	87.8	85.7	88.4	—
3941.3	Games, toys, dolls, and play vehicles	56.2	58.6	57.0	58.4	—	40.4	42.3	40.9	42.8	—
3949	Sporting and athletic goods, nec	55.0	56.4	55.8	57.0	—	44.1	45.5	44.8	45.6	—
395	Pens, pencils, office, and art supplies	35.4	35.0	33.2	33.5	—	25.4	24.7	23.5	23.9	—
396	Costume jewelry and notions	56.3	54.8	51.3	50.9	—	46.3	44.6	41.5	40.9	—
393.9	Other manufacturing industries	158.5	159.0	158.3	159.3	159.7	121.8	122.0	121.4	122.2	122.5
393	Musical instruments and parts	24.6	25.0	23.6	23.7	—	20.4	20.7	19.4	19.3	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,626.9	1,630.2	1,652.5	1,656.6	1,653.8	1,089.8	1,090.4	1,105.8	1,110.9	1,106.7
201	Meat products	339.0	342.0	355.5	353.6	354.6	276.3	279.1	291.7	290.3	291.1
2011	Meat packing plants	167.4	167.2	173.3	169.6	—	134.2	134.1	138.6	135.8	—
2013	Sausages and other prepared meats	66.1	65.9	66.7	66.9	—	46.4	46.4	47.6	47.6	—
2015	Poultry dressing plants	105.5	108.9	115.5	117.1	—	95.7	98.6	105.5	106.9	—
202	Dairy products	190.9	193.3	188.1	189.9	191.2	99.7	100.9	96.7	98.5	100.7
2024	Ice cream and frozen desserts	22.0	23.4	20.4	21.0	—	12.4	12.9	10.9	11.5	—
2028	Fluid milk	123.3	123.9	122.4	122.8	—	53.2	53.7	51.6	52.1	—
203	Canned, cured, and frozen foods	258.4	259.1	247.5	252.3	—	210.0	210.6	198.4	203.6	—
2031.6	Canned, cured, and frozen sea foods	42.5	43.6	39.6	42.1	—	36.6	37.4	34.2	37.0	—
2032.3	Canned food, except sea foods	106.7	108.2	107.3	107.8	—	82.0	83.3	81.9	82.2	—
2037	Frozen fruits and vegetables	65.6	65.8	60.3	62.6	—	57.3	57.6	51.5	54.2	—
204	Grain mill products	139.9	139.6	147.6	147.4	145.9	97.5	97.0	101.5	101.8	100.1
2041	Flour and other grain mill products	26.2	26.1	28.1	28.0	—	18.6	18.4	18.8	18.9	—
2042	Prepared feeds for animals and fowls	73.1	72.2	75.6	75.1	—	48.5	47.5	49.7	49.5	—
205	Bakery products	237.1	238.0	236.6	237.7	238.4	135.3	135.7	135.8	136.9	137.4
2051	Bread, cake, and related products	196.6	197.8	197.7	197.9	—	103.3	104.2	104.7	105.0	—
2052	Cookies and crackers	40.5	40.2	38.9	39.8	—	32.0	31.5	31.1	31.9	—
206	Sugar	31.0	30.3	32.9	28.4	—	22.6	21.7	25.3	21.0	—
207	Confectionery and related products	76.1	74.5	77.4	76.9	73.3	58.2	56.7	59.3	58.9	55.8
2071	Confectionery products	56.1	54.9	55.5	54.8	—	43.7	42.7	43.8	43.1	—
208	Beverages	209.9	210.6	220.6	223.9	226.1	97.3	96.4	102.3	105.0	106.5
2082	Malt liquors	38.8	39.3	47.0	48.5	—	25.1	25.4	33.0	34.2	—
2086	Bottled and canned soft drinks	126.8	128.8	130.1	131.2	—	46.1	47.0	45.9	46.5	—
209	Miscellaneous foods and kindred products	144.6	142.8	146.3	146.5	146.7	92.9	92.3	94.8	94.9	94.8
21	TOBACCO MANUFACTURES	70.3	68.9	71.4	67.5	66.3	57.3	55.9	57.9	54.2	53.5
211	Cigarettes	45.7	46.3	44.6	43.5	—	37.2	37.9	36.0	34.9	—
212	Cigars	11.0	10.8	10.0	9.9	—	9.7	9.5	8.6	8.5	—
22	TEXTILE MILL PRODUCTS	962.9	969.8	962.8	970.0	980.5	841.2	847.6	838.9	846.1	855.7
221	Weaving mills, cotton	173.7	174.0	174.4	173.1	174.3	158.0	158.4	158.0	156.6	157.8
222	Weaving mills, synthetics	121.9	121.5	121.5	121.1	(*)	109.0	108.6	109.2	108.7	(*)
223	Weaving and finishing mills, wool	22.6	22.6	23.3	23.4	23.5	19.0	18.9	19.5	19.6	19.7
224	Narrow fabric mills	26.9	27.4	25.5	25.8	26.0	23.4	23.8	22.0	22.4	22.6
225	Knitting mills	256.3	260.4	258.5	263.0	266.9	220.6	224.2	221.8	226.5	230.4
2251	Women's hosiery, except socks	37.6	37.7	38.5	38.1	—	33.1	33.2	34.1	33.8	—
2252	Hosiery, nec	34.5	35.1	34.5	35.1	—	30.7	31.4	30.7	31.4	—
2253	Knit outerwear mills	74.5	76.1	76.5	78.4	—	63.2	64.7	64.7	66.8	—
2254	Knit underwear mills	38.8	39.4	39.2	40.4	—	33.9	34.2	33.9	34.9	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977P	Apr. 1977P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977P	Apr. 1977P
NONDURABLE GOODS—Continued											
TEXTILE MILL PRODUCTS—Continued											
226	Textile finishing, except wool	82.9	83.1	78.9	79.7	(*)	70.6	70.7	66.6	67.6	(*)
227	Floor covering mills	59.4	60.2	62.0	62.8	—	46.5	47.5	49.2	49.8	—
228	Yarn and thread mills	153.0	153.7	152.7	153.9	(*)	139.7	140.7	139.6	140.7	(*)
229	Miscellaneous textile goods	66.2	66.9	66.0	67.2	67.5	54.4	54.8	53.0	54.2	54.4
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,322.9	1,316.7	1,277.8	1,287.8	1,289.3	1,141.8	1,134.9	1,095.2	1,106.2	1,106.2
231	Men's and boys' suits and coats	88.9	87.4	88.7	86.9	(*)	77.8	76.7	78.4	77.2	(*)
232	Men's and boys' furnishings	382.4	384.6	378.0	381.3	383.9	329.3	330.8	323.0	325.9	328.6
2321	Men's and boys' shirts and nightwear	117.9	119.5	113.5	114.4	—	103.1	104.5	98.3	99.1	—
2327	Men's and boys' separate trousers	87.4	87.5	85.5	86.6	—	76.9	76.7	74.5	75.4	—
2328	Men's and boys' work clothing	93.4	93.1	96.4	95.9	—	77.5	77.1	78.7	78.8	—
233	Women's and misses' outerwear	411.0	402.8	378.5	383.2	379.5	361.9	353.5	329.5	334.8	330.6
2331	Women's and misses' blouses and waists	51.6	51.0	48.3	48.7	—	45.7	45.1	42.4	42.7	—
2335	Women's and misses' dresses	182.6	180.2	164.8	171.3	—	164.2	161.3	145.7	152.6	—
2337	Women's and misses' suits and coats	57.5	53.2	52.6	50.2	—	48.6	44.7	43.9	41.7	—
2339	Women's and misses' outerwear, nec	119.3	118.4	112.8	113.0	—	103.4	102.4	97.5	97.8	—
234	Women's and children's undergarments	101.4	102.0	99.7	100.6	100.9	86.2	86.8	84.7	85.5	85.5
2341	Women's and children's underwear	76.7	77.0	75.8	76.8	—	66.4	66.8	65.6	66.4	—
2342	Corsets and allied garments	24.7	25.0	23.9	23.8	—	19.8	20.0	19.1	19.1	—
235	Hats, caps, and millinery	15.8	15.8	16.2	16.4	—	13.6	13.6	14.2	14.5	—
236	Children's outerwear	78.3	77.9	76.8	75.8	75.1	67.4	67.0	65.7	64.7	64.2
2361	Children's dresses and blouses	31.6	31.6	30.9	30.6	—	28.5	28.5	27.8	27.5	—
237,8	Fur goods and miscellaneous apparel	66.3	67.8	66.1	67.4	—	57.4	58.7	56.9	57.9	—
239	Miscellaneous fabricated textile products	178.8	178.4	173.8	176.2	178.3	148.2	147.8	142.8	145.7	147.2
2391,2	Housefurnishings	76.3	75.5	74.7	74.6	—	64.1	63.5	62.2	62.2	—
26	PAPER AND ALLIED PRODUCTS	665.5	669.1	680.3	683.4	689.7	503.0	507.0	511.3	514.3	520.8
261,2,6	Paper and pulp mills	195.9	197.1	197.9	198.8	(*)	149.2	150.6	151.2	151.7	(*)
263	Paperboard mills	69.0	68.7	71.7	70.6	71.5	54.9	54.9	56.5	54.9	55.8
264	Miscellaneous converted paper products	195.3	195.3	201.6	203.4	(*)	140.0	140.1	142.3	145.3	(*)
2643	Bags, except textile bags	42.8	42.7	44.3	44.5	—	34.4	34.1	35.4	35.5	—
265	Paperboard containers and boxes	205.3	208.0	209.1	210.6	211.3	158.9	161.4	161.3	162.4	163.2
2651,2	Folding and setup paperboard boxes	57.4	58.7	58.0	58.7	—	46.1	47.4	46.6	47.0	—
2653	Corrugated and solid fiber boxes	99.1	100.2	102.3	103.3	—	73.0	73.9	74.7	75.6	—
2654	Sanitary food containers	30.5	30.8	31.2	31.1	—	25.1	25.4	25.8	25.5	—
27	PRINTING AND PUBLISHING	1,072.7	1,075.1	1,094.2	1,096.9	1,096.3	628.7	629.7	632.8	635.3	634.5
271	Newspapers	378.0	378.1	390.0	388.4	387.7	166.7	166.0	166.8	165.0	165.0
272	Periodicals	69.6	69.4	71.6	71.7	—	18.5	18.5	19.6	19.9	—
273	Books	88.8	89.6	89.1	90.6	—	48.4	49.0	47.6	49.1	—
275	Commercial printing	358.4	359.7	361.0	362.9	362.7	268.8	270.0	270.0	271.7	270.7
2751	Commercial printing, except lithographic	201.3	201.6	205.1	205.7	—	152.8	153.2	156.1	156.5	—
2752	Commercial printing, lithographic	146.2	147.3	145.3	146.3	—	107.7	108.6	105.7	106.5	—
278	Blankbooks and bookbinding	49.9	49.7	50.5	50.8	51.0	40.5	40.3	41.1	41.2	41.8
274,6,7,9	Other publishing and printing ind	128.0	128.6	132.0	132.5	132.8	85.8	85.9	87.7	88.4	88.7
28	CHEMICALS AND ALLIED PRODUCTS	1,026.9	1,029.8	1,041.0	1,044.8	1,049.5	586.5	589.0	594.6	599.3	605.4
281	Industrial chemicals	331.7	333.4	340.7	341.5	(*)	177.7	179.1	181.6	182.7	(*)
2812	Alkalies and chlorine	21.4	21.5	20.6	20.6	—	15.6	15.7	15.1	15.3	—
2818	Industrial organic chemicals, nec	137.4	137.8	140.9	140.6	—	60.1	60.4	64.2	63.6	—
2819	Industrial inorganic chemicals, nec	109.3	110.2	112.4	113.2	—	61.7	62.2	60.1	61.4	—
282	Plastics materials and synthetics	207.2	207.5	203.2	203.5	205.4	138.3	139.5	136.1	137.0	139.4
2821	Plastics materials and resins	86.4	87.2	88.8	88.7	—	53.1	54.7	55.9	55.9	—
2823,4	Synthetic fibers	108.7	108.1	101.0	101.5	—	76.5	76.0	70.0	70.8	—
283	Drugs	165.2	166.5	172.0	173.0	(*)	82.3	82.9	86.6	87.8	(*)
2834	Pharmaceutical preparations	131.9	132.8	137.5	138.5	—	63.8	64.1	67.0	68.5	—
284	Soap, cleaners, and toilet goods	118.6	115.7	122.9	122.7	122.5	69.0	66.2	73.4	72.9	73.6
2841	Soap and other detergents	37.4	34.6	40.2	40.1	—	24.6	21.9	26.4	26.3	—
2844	Toilet preparations	48.8	48.3	48.9	49.1	—	27.9	27.4	29.3	29.1	—
285	Paints and allied products	64.8	65.8	65.6	65.8	66.9	34.5	35.3	34.5	34.6	35.5
287	Agricultural chemicals	59.0	60.3	57.7	59.8	60.9	37.4	38.4	36.2	38.1	39.1
2871,2	Fertilizers, complete and mixing only	35.7	36.9	34.4	36.2	—	25.3	26.3	23.7	25.4	—
288,9	Other chemical products	80.4	80.6	78.9	78.5	79.5	47.3	47.6	46.2	46.2	47.0
2892	Explosives	15.5	15.3	13.4	13.4	—	9.9	9.7	8.5	8.6	—
29	PETROLEUM AND COAL PRODUCTS	198.7	201.1	198.9	200.7	207.9	127.7	130.2	126.2	128.9	135.8
291	Petroleum refining	155.6	156.0	154.8	154.9	(*)	96.5	97.1	94.6	95.7	((*)
295,9	Other petroleum and coal products	43.1	45.1	44.1	45.8	48.1	31.2	33.1	31.6	33.2	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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC...	622.1	629.4	655.8	660.6	665.7	483.5	490.5	513.9	518.8	524.6
301	Tires and inner tubes	117.8	118.2	121.0	122.0	122.9	85.3	85.9	90.1	91.5	92.6
302,3,6	Other rubber products	162.8	164.2	170.7	171.1	171.4	127.3	128.9	134.0	134.3	134.4
302	Rubber footwear	23.2	23.0	21.1	20.7	—	19.6	19.6	18.1	17.8	—
307	Miscellaneous plastics products	341.5	347.0	364.1	367.5	371.4	270.9	275.7	289.8	293.0	297.6
31	LEATHER AND LEATHER PRODUCTS	275.0	277.9	262.4	264.1	265.8	237.9	240.1	224.3	226.0	228.1
311	Leather tanning and finishing	24.7	25.3	23.2	23.3	23.5	21.5	21.9	19.8	20.0	20.0
314	Footwear, except rubber	172.9	174.7	161.9	163.1	165.0	151.4	152.9	140.9	142.0	144.5
312,3,5-7,9	Other leather products	77.4	77.9	77.3	77.7	77.3	65.0	65.3	63.6	64.0	63.6
316	Luggage	17.8	18.1	17.8	18.4	—	14.2	14.5	14.0	14.7	—
317	Handbags and personal leather goods	36.1	35.8	36.2	35.4	—	30.7	30.3	30.2	29.3	—
—	TRANSPORTATION AND PUBLIC UTILITIES	4,462	4,474	4,494	4,521	4,538	3,824	3,834	3,824	3,843	3,854
40	RAILROAD TRANSPORTATION	515.0	520.2	519.9	523.4	—	—	—	—	—	—
4011	Class I railroads ²	477.2	481.7	483.3	486.7	—	—	—	—	—	—
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	278.2	271.0	275.1	275.5	—	—	—	—	—	—
411	Local and suburban transportation	72.1	69.6	71.6	70.2	—	66.7	64.2	66.5	65.8	—
412	Taxicabs	79.6	79.3	77.8	76.9	—	—	—	—	—	—
413	Intercity highway transportation	36.8	38.0	36.9	37.2	—	32.9	34.2	33.2	33.6	—
42	TRUCKING AND WAREHOUSING	1,076.5	1,083.3	1,085.3	1,100.5	—	960.0	966.3	958.3	973.9	—
421,3	Trucking and trucking terminals	991.2	1,000.4	993.1	1,007.9	—	887.1	895.9	879.1	894.2	—
422	Public warehousing	85.3	82.9	92.2	92.6	—	72.9	70.4	79.2	79.7	—
45	TRANSPORTATION BY AIR	365.6	365.2	371.9	372.8	—	—	—	—	—	—
451,2	Air transportation	331.4	330.7	336.2	337.1	—	—	—	—	—	—
46	PIPELINE TRANSPORTATION	16.4	16.4	16.4	16.5	—	12.1	12.2	11.9	12.1	—
44,47	OTHER TRANSPORTATION AND SERVICES	329.6	338.4	338.6	343.2	—	—	—	—	—	—
44	WATER TRANSPORTATION	185.5	192.9	187.9	189.9	—	—	—	—	—	—
47	TRANSPORTATION SERVICES	144.1	145.5	150.7	153.3	—	—	—	—	—	—
48	COMMUNICATION	1,149.9	1,147.0	1,151.0	1,153.0	—	884.3	880.6	882.1	882.2	—
481	Telephone communication	942.8	942.8	938.9	939.6	—	717.6	717.1	710.5	709.2	—
482	Telegraph communication ³	17.1	17.2	(*)	(*)	—	12.5	12.6	(*)	(*)	—
483	Radio and television broadcasting	156.6	153.5	159.5	160.4	—	125.4	122.0	127.2	127.9	—
49	ELECTRIC, GAS, AND SANITARY SERVICES	731.0	732.0	735.8	736.0	—	609.9	611.4	608.8	609.2	—
491	Electric companies and systems	314.8	315.4	315.0	315.7	—	260.2	260.9	258.8	259.5	—
492	Gas companies and systems	158.4	158.4	158.1	156.3	—	130.1	130.3	130.2	128.6	—
493	Combination companies and systems	192.6	192.5	194.1	194.2	—	164.2	164.1	161.0	161.2	—
494-7	Water, steam, and sanitary systems	65.2	65.7	68.6	69.8	—	55.4	56.1	58.8	59.9	—
—	WHOLESALE AND RETAIL TRADE	17,216	17,490	17,653	17,783	18,019	15,189	15,446	15,563	15,677	15,882
50	WHOLESALE TRADE	4,194	4,212	4,291	4,306	4,331	3,466	3,481	3,545	3,558	3,580
501	Motor vehicles and automotive equipment	373.5	375.4	383.7	384.8	—	304.9	306.0	313.5	314.8	—
502	Drugs, chemicals, and allied products	238.2	239.1	242.7	243.5	—	190.3	190.5	191.4	192.3	—
503	Dry goods and apparel	155.6	154.9	157.9	158.8	—	121.5	121.6	121.8	122.1	—
504	Groceries and related products	603.3	606.0	608.3	609.3	—	524.2	526.8	526.2	527.9	—
506	Electrical goods	316.6	317.9	320.1	322.6	—	267.0	268.5	272.7	274.2	—
507	Hardware, plumbing and heating equipment	182.5	183.1	187.6	188.6	—	151.5	151.6	155.1	156.5	—
508	Machinery, equipment, and supplies	877.1	880.0	904.4	909.1	—	722.5	724.2	747.4	751.6	—
509	Miscellaneous wholesalers	1,341.4	1,349.0	1,373.8	1,375.6	—	1,097.6	1,104.3	1,125.1	1,126.5	—
52-59	RETAIL TRADE	13,022	13,278	13,362	13,477	13,688	11,723	11,965	12,018	12,119	12,302
53	Retail General Merchandise	2,399.2	2,438.1	2,410.0	2,418.7	—	2,195.2	2,234.3	2,212.1	2,219.6	—
531	Department stores	1,623.8	1,649.5	1,649.6	1,649.2	—	1,494.5	1,520.3	1,526.4	1,525.2	—
532	Mail order houses	114.2	112.7	107.5	107.0	—	106.4	105.0	101.5	101.3	—
533	Variety stores	295.2	304.2	294.1	299.5	—	275.0	284.2	272.7	278.1	—
54	FOOD STORES	2,037.3	2,036.7	2,094.9	2,097.5	—	1,887.5	1,886.3	1,934.9	1,938.2	—
541-3	Grocery, meat, and vegetable stores	1,858.0	1,853.6	1,907.7	1,907.2	—	1,722.1	1,716.8	1,762.3	1,762.6	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
-	WHOLESALE AND RETAIL TRADE—Continued										
56	APPAREL AND ACCESSORY STORES	778.2	807.7	791.7	797.3	-	679.0	707.4	685.5	689.4	-
561	Men's and boys' clothing and furnishings	135.5	138.9	139.8	138.7	-	117.4	120.9	120.8	119.8	-
562	Women's ready-to-wear stores	290.7	299.2	287.7	292.0	-	255.3	263.2	251.3	254.4	-
565	Family clothing stores	122.5	124.6	124.9	124.4	-	111.2	113.2	111.4	111.2	-
566	Shoe stores	160.0	173.0	165.4	167.7	-	134.0	146.7	137.3	139.2	-
57	FURNITURE AND HOME FURNISHINGS STORES	525.2	523.9	537.5	541.5	-	443.3	442.2	451.5	455.0	-
571	Furniture and home furnishings	319.4	319.5	321.5	323.2	-	271.9	272.3	272.9	274.0	-
58	EATING AND DRINKING PLACES	3,464.1	3,601.9	3,609.3	3,692.0	-	3,229.5	3,359.4	3,370.9	3,447.0	-
52,55,59	OTHER RETAIL TRADE	3,818.0	3,869.8	3,918.9	3,929.5	-	3,288.0	3,335.8	3,363.3	3,370.1	-
52	Building materials and farm equipment	607.2	619.9	613.9	624.4	-	516.8	528.8	521.1	530.6	-
55	Automotive dealers and service stations	1,718.4	1,735.8	1,743.7	1,751.7	-	-	-	-	-	-
551.2	Motor vehicle dealers	777.2	779.1	798.0	801.5	-	647.8	649.4	664.6	667.6	-
553.9	Other automotive and accessory dealers	318.3	328.4	322.4	327.6	-	266.5	276.2	271.1	276.4	-
554	Gasoline service stations	622.9	628.3	623.3	622.6	-	-	-	-	-	-
59	Miscellaneous retail stores	1,492.4	1,514.1	1,561.3	1,553.4	-	-	-	-	-	-
591	Drug stores and proprietary stores	473.5	471.6	476.9	475.8	-	421.8	420.7	423.6	422.1	-
594	Book and stationery stores	79.6	80.4	83.5	82.7	-	67.9	68.6	70.8	70.1	-
596	Farm and garden supply stores	137.7	143.2	138.3	145.8	-	-	-	-	-	-
598	Fuel and ice dealers	104.1	100.3	109.7	103.1	-	89.3	85.1	94.4	87.3	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	4,246	4,276	4,391	4,419	4,454	3,235	3,260	3,338	3,359	3,386
60	Banking	1,282.8	1,285.3	1,317.8	1,321.7	-	1,011.3	1,012.9	1,030.6	1,031.1	-
61	Credit agencies other than banks	454.9	457.3	482.2	484.9	-	347.5	349.8	370.8	373.1	-
612	Savings and loan associations	179.0	181.3	197.3	198.5	-	143.3	145.4	157.4	158.4	-
614	Personal credit institutions	194.7	194.9	199.8	200.8	-	-	-	-	-	-
62	Security, commodity brokers and services	174.3	176.1	178.7	178.9	-	142.7	144.1	145.4	145.8	-
63	Insurance carriers	1,102.0	1,104.1	1,130.6	1,133.8	-	742.5	744.2	766.9	769.6	-
631	Life insurance	514.8	514.9	516.8	516.9	-	296.3	295.6	295.4	294.8	-
632	Accident and health insurance	120.2	120.7	123.3	123.7	-	99.1	99.4	101.5	101.6	-
633	Fire, marine, and casualty insurance	407.8	408.9	426.2	428.0	-	298.5	300.2	317.0	319.4	-
64	Insurance agents, brokers, and service	338.6	338.1	352.9	357.3	-	-	-	-	-	-
65	Real estate	778.2	799.3	815.7	828.2	-	-	-	-	-	-
655	Subdividers and developers	105.6	113.1	106.8	110.7	-	-	-	-	-	-
656	Operative builders	53.4	54.9	58.6	61.6	-	-	-	-	-	-
66,67	Other finance, insurance, and real estate	115.2	115.6	113.4	114.6	-	-	-	-	-	-
-	SERVICES	14,344	14,536	14,887	15,032	15,200	12,928	13,100	13,381	13,514	13,669
70	Hotels and other lodging places	988.2	1,012.8	1,024.0	1,029.4	-	-	-	-	-	-
701	Hotels, tourist courts, and motels	828.0	848.4	811.5	826.8	-	765.9	784.8	748.3	763.5	-
72	Personal services	820.0	822.6	797.3	802.4	-	-	-	-	-	-
721	Laundries and dry cleaning plants	348.6	350.4	344.8	345.3	-	311.6	313.7	308.4	308.4	-
722	Photographic studios	44.1	43.2	39.3	39.0	-	38.6	37.7	35.0	34.9	-
73	Miscellaneous business services	2,064.0	2,074.9	2,173.6	2,194.9	-	-	-	-	-	-
731	Advertising	122.7	122.9	130.5	131.4	-	-	-	-	-	-
732	Credit reporting and collection	78.3	79.6	84.8	85.2	-	-	-	-	-	-
734	Services to buildings	401.5	405.8	417.3	422.0	-	-	-	-	-	-
76	Miscellaneous repair services	218.3	215.7	224.7	227.2	-	-	-	-	-	-
78	Motion pictures	195.1	199.4	191.4	198.2	-	-	-	-	-	-
781	Motion picture filming and distributing	61.2	59.2	62.2	63.2	-	44.5	44.0	50.0	49.9	-
782,3	Motion picture theaters and services	133.9	140.2	129.2	135.0	-	-	-	-	-	-
80	Medical and other health services	4,354.7	4,375.9	4,594.1	4,634.6	-	-	-	-	-	-
806	Hospitals	2,357.2	2,363.3	2,452.0	2,462.1	-	2,152.4	2,157.9	2,237.0	2,255.8	-
81	Legal services	356.1	356.0	385.5	390.5	-	-	-	-	-	-
82	Educational services	1,335.7	1,333.5	1,353.4	1,366.8	-	-	-	-	-	-
821	Elementary and secondary schools	424.1	423.5	434.8	436.0	-	-	-	-	-	-
822	Colleges and universities	739.9	737.2	732.1	741.4	-	-	-	-	-	-
89	Miscellaneous services	896.4	893.4	951.0	955.0	-	-	-	-	-	-
891	Engineering and architectural services	400.6	401.5	427.7	432.1	-	-	-	-	-	-
892	Nonprofit research agencies	146.9	147.9	159.9	161.1	-	-	-	-	-	-

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
—	GOVERNMENT	15,178	15,153	15,246	15,330	15,299	—	—	—	—	—
91	FEDERAL GOVERNMENT ⁵	2,724	2,730	2,705	2,714	2,721	—	—	—	—	—
	Executive	2,675.4	2,681.2	2,654.9	2,662.8	—	—	—	—	—	
	Department of Defense	934.1	930.7	917.6	918.4	—	—	—	—	—	
	Postal Service	672.3	670.3	649.9	652.3	—	—	—	—	—	
	Other agencies	1,069.0	1,080.2	1,087.4	1,092.1	—	—	—	—	—	
	Legislative	37.9	37.9	37.9	39.0	—	—	—	—	—	
	Judicial	11.0	11.0	12.1	12.1	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	12,454	12,423	12,541	12,616	12,578	—	—	—	—	
92	State government	3,298.1	3,293.5	3,375.5	3,388.7	—	—	—	—	—	
	State education	1,443.1	1,438.5	1,469.7	1,475.8	—	—	—	—	—	
	Other State government	1,855.0	1,855.0	1,905.8	1,912.9	—	—	—	—	—	
93	Local government	9,155.9	9,129.0	9,165.0	9,227.7	—	—	—	—	—	
	Local education	5,243.6	5,224.0	5,262.3	5,317.1	—	—	—	—	—	
	Other local government	3,912.3	3,905.0	3,902.7	3,910.6	—	—	—	—	—	

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 1976, data relate to line haul railroads with operating revenues of \$10,000,000 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	January 1976		October 1976		January 1977	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
-	TOTAL	30,710	40	32,031	40	31,970	40
-	PRIVATE SECTOR	24,024	38	25,285	39	25,096	39
-	MINING	54	7	60	7	61	8
10	METAL MINING	4.5	5	5.2	5	5.3	6
11,12	COAL MINING	4.3	2	5.2	2	5.0	2
13	OIL AND GAS EXTRACTION	39.3	11	42.3	11	43.3	11
131,2	Crude petroleum and natural gas fields	25.0	16	26.6	16	27.8	17
138	Oil and gas field services	14.3	8	15.7	8	15.5	7
14	NONMETALLIC MINERALS, EXCEPT FUELS	6.3	6	6.9	6	6.9	7
142	Crushed and broken stone	2.1	6	2.2	5	2.1	6
144	Sand and gravel	1.7	5	2.1	6	2.1	7
-	CONTRACT CONSTRUCTION	236	7	249	7	255	8
15	GENERAL BUILDING CONTRACTORS	74.8	8	78.4	7	81.6	8
16	HEAVY CONSTRUCTION CONTRACTORS	38.1	7	42.9	5	42.6	8
161	Highway and street construction	12.3	6	14.2	4	15.1	7
162	Heavy construction, nec	25.8	7	28.7	6	27.5	8
17	SPECIAL TRADE CONTRACTORS	123.0	7	127.2	7	130.9	8
171	Plumbing, heating, air conditioning	36.5	9	36.3	8	37.2	9
172	Painting, paper hanging, decorating	7.6	7	9.1	6	9.3	8
173	Electrical work	20.3	6	20.6	6	21.8	7
174	Masonry, stonework, and plastering	9.4	5	9.8	5	10.7	6
176	Roofing and sheet metal work	8.4	7	9.1	7	9.4	9
-	MANUFACTURING	5,383	29	5,726	30	5,571	29
19,24,25,32,39	DURABLE GOODS	2,327	22	2,522	23	2,495	22
20-23,26-31	NONDURABLE GOODS	3,056	39	3,204	40	3,076	39
	DURABLE GOODS						
19	ORDNANCE AND ACCESSORIES	37.8	23	35.9	23	35.7	23
192	Ammunition, except for small arms	25.8	24	24.1	24	23.8	23
1925	Complete guided missiles	19.1	22	18.0	21	17.7	21
1929	Ammunition, except for small arms, nec	6.7	35	6.1	34	6.1	34
24	LUMBER AND WOOD PRODUCTS	71.7	13	80.1	13	78.9	13
241	Logging camps, and logging contractors	3.8	5	4.2	5	3.7	5
242	Sawmills and planing mills	15.1	8	16.4	8	17.2	8
2421	Sawmills and planing mills, general	11.1	6	11.9	7	12.6	7
243	Millwork, plywood and related products	26.4	14	30.6	15	30.1	15
2431	Millwork	14.8	18	17.1	18	16.6	18
2432	Veneer and plywood	8.6	12	10.0	13	10.1	13
244	Wooden containers	4.1	20	4.3	20	4.2	21
2441,2	Wooden boxes, shoo, and crates	3.4	20	3.4	20	3.3	20
249	Miscellaneous wood products	22.3	25	24.6	25	23.7	24
25	FURNITURE AND FIXTURES	133.6	28	140.8	28	139.2	28
251	Household furniture	106.4	31	112.8	31	110.8	31
2511	Wood household furniture	51.8	29	56.0	30	53.6	29
2512	Upholstered household furniture	33.8	34	36.1	34	36.2	35
2515	Mattresses and bedsprings	9.5	28	9.5	28	8.9	28
252	Office furniture	6.9	19	7.4	19	7.8	19
254	Partitions and fixtures	7.6	15	8.2	15	8.2	16
253,9	Other furniture and fixtures	12.7	29	12.4	28	12.4	28
32	STONE, CLAY, AND GLASS PRODUCTS	107.0	18	115.7	18	112.9	19
321	Flat glass	1.3	8	1.5	9	1.3	8
322	Glass and glassware, pressed or blown	43.0	34	46.4	34	45.1	34
3221	Glass containers	26.3	36	28.6	36	27.9	36
3229	Pressed and blown glass nec	16.7	31	17.8	32	17.2	32
324	Cement, hydraulic	1.3	5	1.3	4	1.3	5
325	Structural clay products	5.3	12	5.9	12	6.0	13
3251	Brick and structural clay tile	1.1	6	1.2	5	1.2	6
326	Pottery and related products	14.2	33	15.1	34	13.7	34
327	Concrete, gypsum, and plaster products	11.7	7	12.2	6	12.2	7
328,9	Other stone and nonmetallic mineral products	20.6	16	22.5	17	22.8	17
3291	Abrasives products	5.4	23	5.4	22	5.4	22

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1976		October 1976		January 1977	
		Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
DURABLE GOODS—Continued							
33	PRIMARY METAL INDUSTRIES	95.6	8	104.3	9	102.2	9
331	Blast furnace and basic steel products	26.8	5	30.4	6	29.1	5
3312	Blast furnaces and steel mills	21.0	5	24.2	5	22.9	5
332	Iron and steel foundries	12.1	6	13.5	6	13.3	6
3321	Gray iron foundries	5.8	4	6.9	5	6.9	5
3322	Malleable iron foundries	1.0	5	1.3	6	1.4	7
3323	Steel foundries	5.3	9	5.3	9	5.0	9
333,4	Nonferrous metals	4.1	5	4.7	6	4.8	6
3334	Primary aluminum	1.0	3	1.4	4	1.4	4
335	Nonferrous rolling and drawing	35.0	19	37.1	19	36.5	19
3351	Copper rolling and drawing	2.7	8	3.2	9	3.2	9
3352	Aluminum rolling and drawing	6.9	12	7.4	12	7.1	11
3357	Nonferrous wire drawing and insulating	21.0	27	22.0	28	22.3	29
336	Nonferrous foundries	11.7	15	12.4	15	12.3	15
3361	Aluminum castings	5.5	13	5.9	13	5.8	13
3362,9	Other nonferrous castings	6.2	18	6.5	18	6.5	18
339	Miscellaneous primary metal products	5.9	8	6.2	9	6.2	9
3391	Iron and steel forgings	3.2	7	3.3	7	3.2	7
34	FABRICATED METAL PRODUCTS	258.6	19	282.9	20	280.1	20
341	Metal cans	9.9	16	9.9	16	10.2	17
342	Cutlery, hand tools, and hardware	53.7	33	58.0	34	58.1	34
3421,3,5	Cutlery and hand tools, including saws	20.6	30	21.8	30	21.6	30
3429	Hardware, nec	33.1	36	36.2	36	36.5	36
343	Plumbing and heating, except electric	12.7	19	13.6	19	13.8	19
3431,2	Sanitary ware and plumbers' brass goods	6.3	21	6.6	21	6.7	21
3433	Heating equipment, except electric	6.4	18	7.0	18	7.1	18
344	Fabricated structural metal products	55.8	13	61.7	14	60.5	13
3441	Fabricated structural steel	6.5	6	6.6	7	6.6	7
3442	Metal doors, sash, and trim	20.1	31	23.2	32	21.2	30
3443	Fabricated plate work (boiler shops)	11.8	8	13.0	9	13.2	10
3444	Sheet metal work	11.7	14	12.4	14	12.8	14
3446,9	Architectural and miscellaneous metal work	5.7	11	6.5	11	6.7	12
345	Screw machine products, bolts, etc.	20.0	21	21.4	21	21.7	21
3451	Screw machine products	10.5	24	11.5	24	11.7	24
3452	Bolts, nuts, rivets, and washers	9.5	19	9.9	19	10.0	19
346	Metal stampings	44.5	20	49.7	22	47.9	21
347	Metal services, nec	17.8	21	20.8	22	19.9	22
348	Misc. fabricated wire products	14.2	25	15.3	26	14.9	25
349	Misc. fabricated metal products	30.0	19	32.5	20	33.1	20
3494,8	Valves, pipe, and pipe fittings	18.9	18	20.1	19	21.0	19
35	MACHINERY, EXCEPT ELECTRICAL	329.4	16	350.6	17	359.9	17
351	Engines and turbines	18.1	16	18.4	16	18.1	16
3511	Steam engines and turbines	5.2	12	5.3	13	5.4	12
3519	Internal combustion engines, nec	12.9	19	13.1	18	12.7	18
352	Farm machinery	17.3	12	15.4	13	18.4	12
353	Construction and related machinery	35.0	10	35.2	11	35.1	10
3531,2	Construction and mining machinery	16.7	9	16.2	9	16.1	9
3533	Oil field machinery	7.7	11	8.0	11	7.8	11
3535,6	Conveyors, hoists, cranes, monorails	5.1	11	5.5	11	5.5	11
3537	Industrial trucks and tractors	3.0	10	3.3	11	3.5	11
354	Metal working machinery	41.4	14	44.2	14	44.8	14
3541	Machine tools, metal cutting types	6.2	10	6.5	11	6.6	11
3544	Special dies, tools, jigs and fixtures	11.0	9	11.9	10	12.0	9
3545	Machine tool accessories	10.4	20	10.7	19	10.6	19
3542,9	Miscellaneous metal working machinery	13.8	19	15.1	20	15.6	21
355	Special industry machinery	22.8	13	23.8	13	24.2	14
3551	Food products machinery	4.7	12	4.8	12	4.9	12
3552	Textile machinery	5.3	17	5.4	17	5.4	18
3555	Printing trades machinery	3.3	13	3.6	14	3.8	15
356	General industrial machinery	47.5	17	51.5	18	52.1	18
3561	Pumps and compressors	11.5	14	12.5	15	12.9	15
3562	Ball and roller bearings	12.1	23	12.9	24	12.8	23
3564	Blowers and fans	6.0	19	6.7	19	6.9	19
3566	Power transmission equipment	7.0	15	7.1	16	7.2	15
357	Office and computing machines	80.9	29	89.1	30	91.9	30
3573	Electronic computing equipment	60.5	29	66.3	29	68.4	29
358	Service industry machines	28.1	18	31.1	19	31.8	19
3585	Refrigeration machinery	18.4	17	20.5	18	21.1	18
359	Miscellaneous machinery, except electrical	38.3	16	41.9	16	43.5	17

**ESTABLISHMENT DATA.
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1976		October 1976		January 1977	
		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	714.6	40	777.6	42	770.0	41
361	Electrical test and distributing equipment	67.5	36	71.7	37	72.4	37
3611	Electric measuring instruments	29.9	44	32.0	45	32.1	44
3612	Transformers	14.1	29	13.7	30	14.7	31
3613	Switchgear and switchboard apparatus	23.5	32	26.0	34	25.6	34
362	Electrical industrial apparatus	71.7	35	79.0	37	80.4	37
3621	Motors and generators	35.8	35	38.8	37	38.7	36
3622	Industrial controls	26.3	41	29.6	43	30.6	44
363	Household appliances	46.9	29	52.0	32	54.3	32
3632	Household refrigerators and freezers	6.9	18	5.5	18	8.3	24
3633	Household laundry equipment	4.5	19	5.1	21	5.0	21
3634	Electric housewares and fans	23.5	51	27.5	53	26.9	53
364	Electric lighting and wiring equipment	82.2	44	90.2	45	89.5	45
3641	Electric lamps	22.9	65	24.5	65	24.3	64
3642	Lighting fixtures	22.0	36	24.0	37	23.3	36
3643,4	Wiring devices	37.3	41	41.7	43	41.9	43
365	Radio and TV receiving equipment	65.9	53	75.3	55	65.7	51
366	Communication equipment	148.3	35	154.2	36	154.0	36
3661	Telephone and telegraph apparatus	58.6	44	62.6	46	64.3	46
3662	Radio and TV communication equipment	89.7	31	91.6	32	89.7	31
367	Electronic components and accessories	188.9	53	206.0	54	203.1	53
3671-3	Electron tubes	16.6	39	16.1	38	15.7	38
3674,9	Other electronic components	172.3	55	189.9	56	187.4	55
369	Miscellaneous electrical equipment and supplies	43.2	32	49.2	33	50.6	33
3694	Engine electrical equipment	23.8	34	27.1	36	27.8	35
37	TRANSPORTATION EQUIPMENT	202.6	12	225.1	13	227.4	13
371	Motor vehicles and equipment	82.5	10	99.5	12	100.4	11
3711	Motor vehicles	26.4	8	34.3	10	33.1	9
3712	Passenger car bodies	3.1	7	5.4	11	5.5	11
3713	Truck and bus bodies	3.5	9	4.2	11	4.2	11
3714	Motor vehicle parts and accessories	48.2	13	54.1	14	56.1	14
3715	Truck trailers	1.3	7	1.5	6	1.5	6
372	Aircraft and parts	77.3	15	75.3	16	76.4	16
3721	Aircraft	42.9	16	42.3	16	42.9	16
3722	Aircraft engines and engine parts	19.0	14	18.1	14	18.4	14
3723,9	Other aircraft parts and equipment	15.4	16	14.9	17	15.1	17
373	Ship and boat building and repairing	17.4	8	20.5	9	21.3	10
3731	Ship building and repairing	11.6	7	13.0	8	13.4	8
3732	Boat building and repairing	5.8	13	7.5	16	7.9	16
374	Railroad equipment	5.2	11	4.8	11	4.6	10
375,9	Other transportation equipment	20.2	17	25.0	17	24.7	18
38	INSTRUMENTS AND RELATED PRODUCTS	195.0	39	205.3	40	205.7	40
381	Engineering and scientific instruments	17.1	29	16.8	29	16.8	29
382	Mechanical measuring and control devices	44.4	39	47.7	40	47.5	40
3821	Mechanical measuring devices	25.8	34	27.3	35	27.8	35
3822	Automatic temperature controls	18.6	49	20.4	49	19.7	48
383,5	Optical and ophthalmic goods	27.6	45	29.3	45	30.3	45
385	Ophthalmic goods	21.0	53	22.0	52	22.1	50
384	Medical instruments and supplies	53.7	51	56.6	51	57.5	51
386	Photographic equipment and supplies	33.7	27	35.3	27	34.6	27
387	Watches, clocks, and watchcases	18.5	63	19.6	64	19.0	64
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	181.4	45	204.0	47	182.9	45
391	Jewelry, silverware, and plated ware	22.7	44	24.7	44	23.4	43
394	Toys and sporting goods	52.8	50	71.1	54	56.7	52
3941,3	Games, toys, dolls, and play vehicles	27.6	52	43.7	57	29.2	54
3949	Sporting and athletic goods, n e c	25.2	49	27.4	49	27.5	50
395	Pens, pencils, office and art supplies	19.1	56	19.0	57	18.7	57
396	Costume jewelry and notions	29.2	54	28.6	54	27.3	54
393,9	Other manufacturing industries	57.6	37	60.6	38	56.8	36
393	Musical instruments and parts	10.5	43	9.9	41	9.6	41
NONDURABLE GOODS							
20	FOOD AND KINDRED PRODUCTS	431.5	26	505.0	28	438.9	26
201	Meat products	101.5	30	109.7	30	106.1	30
2011	Meat packing plants	25.1	15	26.3	15	26.2	15
2013	Sausages and other prepared meats	18.6	28	18.9	28	18.9	28
2015	Poultry dressing plants	57.8	54	64.5	54	61.0	53
202	Dairy products	34.7	18	37.2	19	35.9	19
2024	Ice cream and frozen desserts	4.9	23	5.4	25	4.8	24

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1976		October 1976		January 1977	
		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	18.8	15	19.8	16	19.5	16
203	Canned, cured, and frozen foods	102.7	41	151.2	45	97.9	40
2031,6	Canned, cured, and frozen sea foods	23.8	54	26.9	58	21.1	54
2032,3	Canned food, except sea foods	32.2	31	62.9	40	31.9	30
2037	Frozen fruits and vegetables	29.8	48	39.2	51	28.1	47
204	Grain mill products	23.4	17	25.6	17	25.5	17
2041	Flour and other grain mill products	3.7	14	4.0	15	4.1	15
2042	Prepared feeds for animals and fowls	11.5	16	12.4	16	12.2	16
205	Bakery products	60.0	25	62.4	26	60.4	25
2051	Bread, cake, and related products	40.6	21	42.9	21	41.5	21
2052	Cookies and crackers	19.4	48	19.5	46	18.9	47
206	Sugar	4.3	11	5.7	13	4.3	12
207	Confectionery and related products	34.7	46	38.4	47	35.8	46
2071	Confectionery products	27.0	48	30.2	50	27.4	48
208	Beverages	31.7	15	34.5	15	33.7	15
2082	Malt liquors	4.1	9	4.9	10	4.8	10
2086	Bottled and canned soft drinks	13.8	11	14.7	11	14.6	11
209	Miscellaneous foods and kindred products	38.5	26	40.3	27	39.3	27
21	TOBACCO MANUFACTURES	32.0	40	34.3	41	28.1	38
211	Cigarettes	14.8	32	14.0	31	14.2	32
212	Cigars	7.8	70	7.0	69	6.6	67
22	TEXTILE MILL PRODUCTS	441.3	46	449.7	47	445.5	47
221	Weaving mills, cotton	73.2	42	73.6	42	73.5	42
222	Weaving mills, synthetics	47.3	39	48.0	39	48.8	40
223	Weaving and finishing mills, wool	8.3	38	8.5	38	8.8	38
224	Narrow fabric mills	15.0	58	15.0	59	14.9	58
225	Knitting mills	159.0	63	165.4	64	161.0	63
2251	Women's hosiery, except socks	28.8	75	29.8	77	29.3	76
2252	Hosiery, n e c	24.1	72	24.6	72	24.0	72
2253	Knit outerwear mills	51.3	72	56.9	73	52.7	72
2254	Knit underwear mills	26.5	70	27.2	69	27.6	70
226	Textile finishing, except wool	23.2	28	22.9	29	23.1	29
227	Floor covering mills	21.4	36	22.7	37	22.5	37
228	Yarn and thread mills	74.5	49	73.6	48	73.2	48
229	Miscellaneous textile goods	19.4	30	20.0	30	19.7	30
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,038.2	81	1,045.1	81	1,007.8	81
231	Men's and boys' suits and coats	67.1	76	68.5	76	67.6	77
232	Men's and boys' furnishings	315.5	84	321.3	84	313.1	84
2321	Men's and boys' shirts and nightwear	101.2	87	103.1	88	99.6	88
2327	Men's and boys' separate trousers	71.6	83	69.3	81	69.3	82
2328	Men's and boys' work clothing	77.1	83	78.2	83	77.7	82
233	Women's and misses' outerwear	339.6	86	325.5	86	310.6	86
2331	Women's and misses' blouses and waists	45.1	89	42.2	88	40.4	87
2335	Women's and misses' dresses	148.9	88	145.2	87	134.9	87
2337	Women's and misses' suits and coats	45.4	80	43.1	78	40.0	79
2339	Women's and misses' outerwear, n e c	100.2	86	95.0	86	95.3	86
234	Women's and children's undergarments	84.0	85	88.1	86	83.6	86
2341	Women's and children's underwear	64.3	87	68.0	87	64.4	87
2342	Corsets and allied garments	19.7	80	20.1	81	19.2	81
235	Hats, caps, and millinery	11.4	73	11.2	72	11.8	75
236	Children's outerwear	65.9	87	67.2	87	64.2	86
2361	Children's dresses and blouses	27.5	90	27.6	89	27.1	89
237,8	Fur goods and miscellaneous apparel	47.2	73	51.5	74	47.7	74
239	Miscellaneous fabricated textile products	107.5	62	111.8	63	109.2	63
2391,2	Housefurnishings	52.8	70	54.7	70	51.2	69
26	PAPER AND ALLIED PRODUCTS	135.8	21	144.0	21	142.1	21
261,2,6	Paper and pulp mills	21.8	11	23.3	12	23.0	12
263	Paperboard mills	4.9	7	5.3	8	5.5	8
264	Miscellaneous converted paper products	63.3	33	66.5	33	65.3	33
2643	Bags, except textile bags	14.1	33	14.5	33	14.5	33
265	Paperboard containers and boxes	45.8	23	48.9	23	48.3	23
2651,2	Folding and setup paperboard boxes	17.7	31	19.4	32	17.9	31
2653	Corrugated and solid fiber boxes	13.9	14	14.7	14	15.0	15
2654	Sanitary food containers	9.1	31	9.5	31	10.0	33

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1976		October 1976		January 1977	
		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	371.5	35	387.4	36	386.1	35
271	Newspapers	121.5	32	126.8	33	127.3	33
272	Periodicals	35.3	51	36.4	51	37.1	52
273	Books	42.1	48	42.8	49	44.0	50
275	Commercial printing	102.5	29	106.2	29	103.7	29
2751	Commercial printing, ex. lithographic	58.4	29	61.2	30	59.1	29
2752	Commercial printing, lithographic	40.8	28	42.0	29	41.3	29
278	Blankbooks and bookbinding	23.9	49	26.0	51	25.3	51
274,6,7,9	Other publishing and printing ind.	46.2	36	49.2	37	48.7	37
28	CHEMICALS AND ALLIED PRODUCTS	216.7	21	228.7	22	228.1	22
281	Industrial chemicals	40.6	12	44.8	13	46.3	14
2812	Alkalies and chlorines	1.8	8	1.9	9	2.1	10
2818	Industrial organic chemicals, n e c	19.1	14	20.7	15	21.2	15
2819	Industrial inorganic chemicals, n e c	13.3	12	15.1	14	15.6	14
282	Plastics materials and synthetics	37.9	18	35.4	17	36.2	18
2821	Plastics materials and resins	8.3	10	8.2	9	9.0	10
2823,4	Synthetic fibers	28.7	27	26.3	26	26.2	26
283	Drugs	64.3	39	67.5	40	68.1	40
2834	Pharmaceutical preparations	53.4	41	55.7	41	56.6	41
284	Soap, cleaners, and toilet goods	42.8	36	49.4	39	45.3	37
2841	Soap and other detergents	8.2	21	8.7	21	8.4	21
2844	Toilet preparations	25.5	55	30.7	58	26.9	56
285	Paints and allied products	10.5	16	11.1	17	11.0	17
287	Agricultural chemicals	6.5	12	6.6	12	6.8	12
2871,2	Fertilizers, complete and mixing only	2.8	8	3.0	9	3.0	9
286,9	Other chemical products	14.1	18	13.9	18	14.4	18
2892	Explosives	2.7	17	2.2	16	2.2	17
29	PETROLEUM AND COAL PRODUCTS	19.6	10	20.9	10	21.5	11
291	Petroleum refining	14.8	9	15.6	10	16.2	10
295,9	Other petroleum and coal products	4.8	12	5.3	11	5.3	12
30	RUBBER AND PLASTICS PRODUCTS, NEC	204.9	34	226.9	35	221.0	34
301	Tires and inner tubes	10.5	9	11.0	9	10.8	9
302,3,6	Other rubber products	58.8	37	64.4	37	63.2	37
302	Rubber footwear	13.8	61	14.8	63	13.6	62
307	Miscellaneous plastics products	135.6	41	151.5	42	147.0	41
31	LEATHER AND LEATHER PRODUCTS	164.4	61	161.6	61	157.3	60
311	Leather tanning and finishing	3.5	14	3.4	15	3.3	14
314	Footwear, except rubber	113.2	66	107.0	66	106.9	66
312,3,5,7,9	Other leather products	47.7	64	51.2	65	47.1	63
316	Luggage	10.7	64	11.4	64	9.6	59
317	Handbags and personal leather goods	24.7	71	26.7	73	24.9	71
TRANSPORTATION AND PUBLIC UTILITIES		981	22	990	22	1,006	22
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	51.9	19	55.8	20	56.8	20
411	Local and suburban transportation	8.2	11	8.1	12	9.2	13
412	Taxicabs	4.8	6	4.9	6	5.8	8
413	Intercity highway transportation	4.3	11	4.4	11	4.6	12
42	TRUCKING AND WAREHOUSING	109.6	10	115.2	10	114.7	11
421,3	Trucking and trucking terminals	96.0	10	99.4	10	99.5	10
422	Public warehousing	13.6	16	15.8	17	15.2	17
45	TRANSPORTATION BY AIR	102.5	28	104.3	28	106.7	29
451,2	Air transportation	96.7	29	98.6	29	101.1	30
46	PIPE LINE TRANSPORTATION	1.5	9	1.5	9	1.4	9
44	WATER TRANSPORTATION	17.0	9	17.4	9	17.9	9
47	TRANSPORTATION SERVICES	34.3	25	37.0	25	41.1	27
48	COMMUNICATION	523.1	45	518.2	45	517.2	45
481	Telephone communication	464.6	49	457.2	49	457.5	49
483	Radio and television broadcasting	45.2	29	47.1	29	46.6	29
49	ELECTRIC, GAS, AND SANITARY SERVICES	118.8	16	121.0	16	122.3	17
491	Electric companies and systems	50.0	16	50.8	16	51.4	16
492	Gas companies and systems	30.1	19	30.5	19	30.6	19

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1976		October 1976		January 1977	
		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	29.7	15	30.5	16	30.7	16
494-7	Water, steam, and sanitary systems	9.0	14	9.2	13	9.6	14
—	WHOLESALE AND RETAIL TRADE	7,182	42	7,519	42	7,459	42
50	WHOLESALE TRADE	1,018	24	1,064	25	1,058	25
501	Motor vehicles and automotive equipment	78.1	21	82.6	22	83.0	21
502	Drugs, chemicals, and allied products	83.5	35	83.9	35	82.4	34
503	Dry goods and apparel	75.0	49	77.0	49	77.2	49
504	Groceries and related products	135.5	22	145.8	23	138.4	22
506	Electrical goods	84.7	27	87.4	27	87.7	27
507	Hardware; plumbing and heating equipment	47.7	26	48.7	26	49.4	26
508	Machinery, equipment, and supplies	178.8	21	188.9	21	191.5	21
509	Miscellaneous wholesalers	305.3	23	318.2	23	317.1	23
52-59	RETAIL TRADE	6,164	47	6,455	47	6,401	47
53	Retail general merchandise	1,712.9	68	1,708.9	67	1,714.3	68
531	Department stores	1,186.0	70	1,176.0	69	1,189.4	68
532	Mail order houses	77.7	63	76.8	63	70.9	64
533	Variety stores	218.4	72	224.7	71	226.1	73
54	Food stores	798.6	39	825.9	40	830.0	40
541-3	Grocery, meat, and vegetable stores	686.1	37	709.7	38	714.6	37
56	Apparel and accessory stores	540.3	67	537.6	67	548.2	67
561	Men's and boys' clothing and furnishings	62.8	43	60.9	43	64.5	44
562	Women's ready-to-wear stores	266.0	89	263.1	88	264.1	88
565	Family clothing stores	88.9	68	88.0	70	92.6	71
566	Shoe stores	62.9	39	63.5	39	64.5	38
57	Furniture and home furnishings stores	160.4	31	165.6	31	165.2	30
571	Furniture and home furnishings	104.8	33	107.0	33	107.0	33
58	Eating and drinking places	1,886.5	56	2,104.6	57	2,024.5	57
52,55,59	Other retail trade	1,064.9	28	1,112.7	28	1,119.1	28
52	Building materials and farm equipment	115.3	19	122.9	19	122.2	20
55	Automotive dealers and service stations	249.0	15	261.3	15	258.0	15
551,2	Motor vehicle dealers	96.1	12	100.1	13	101.5	13
553,9	Other automotive and accessory dealers	51.4	16	53.1	16	53.0	16
59	Miscellaneous retail stores	700.6	47	728.5	47	738.9	47
591	Drug stores and proprietary stores	296.8	62	294.9	62	299.2	61
594	Book and stationery stores	38.5	49	40.3	49	41.8	49
596	Farm and garden supply stores	29.5	23	30.6	22	29.5	22
598	Fuel and ice dealers	20.2	19	19.8	20	21.3	19
—	FINANCE, INSURANCE, AND REAL ESTATE	2,320	55	2,408	55	2,439	56
60	Banking	863.2	67	881.3	67	893.3	68
61	Credit agencies other than banks	271.0	60	288.8	61	296.7	62
612	Savings and loan associations	122.9	70	134.9	71	139.2	71
614	Personal credit institutions	98.6	51	102.2	52	104.9	53
62	Security, commodity brokers and services	60.3	35	62.7	36	62.8	35
63	Insurance carriers	598.6	55	621.3	56	631.3	56
631	Life insurance	238.3	46	243.7	47	246.6	48
632	Accident and health insurance	85.5	72	86.9	71	88.2	72
633	Fire, marine, and casualty insurance	237.9	59	250.5	60	255.3	60
64	Insurance agents, brokers, and service	189.3	57	198.4	57	201.8	58
65	Real estate	279.3	36	295.8	36	295.0	36
655	Subdividers and developers	26.8	26	27.5	24	28.2	26
656	Operative builders	11.4	22	12.4	21	11.8	21
66,67	Other finance, insurance, and real estate	57.9	51	59.3	52	58.1	51
—	SERVICES	7,868	56	8,333	56	8,301	56
Hotels and other lodging places:							
701	Hotels, tourist courts, and motels	421.2	53	468.6	54	426.7	53
72	Personal services	519.2	63	514.0	63	500.4	62
721	Laundries and dry cleaning plants	219.4	62	217.7	62	214.6	62
722	Photographic studios	27.5	65	32.8	67	23.7	60
73	Miscellaneous business services	745.6	37	807.9	37	807.4	37
731	Advertising	53.8	45	57.9	45	59.0	46
732	Credit reporting and collection	53.7	69	57.9	70	58.9	70
734	Services to buildings	157.8	40	168.3	40	166.6	40
76	Miscellaneous repair services	35.6	16	36.4	16	37.9	17
78	Motion pictures	72.2	37	76.6	38	72.2	38
781	Motion picture filming and distributing	23.4	37	25.7	38	23.7	39
782,3	Motion picture theaters and services	48.8	38	50.9	38	48.5	37

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

SIC Code	Industry	January 1976		October 1976		January 1977	
		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	3,453.3	80	3,646.3	81	3,701.6	81
806	Hospitals	1,851.4	80	1,938.2	80	1,955.8	80
81	Legal services	224.6	64	239.9	64	247.1	64
82	Educational services	640.2	51	684.3	51	671.4	52
821	Elementary and secondary schools	264.8	63	264.9	62	272.9	63
822	Colleges and universities	292.2	43	328.9	45	305.7	45
89	Miscellaneous services	244.9	28	259.7	28	270.8	29
891	Engineering and architectural services	65.4	16	70.8	17	74.9	18
892	Nonprofit research agencies	50.9	35	55.7	36	56.7	36
	GOVERNMENT	6,686	45	6,746	45	6,878	46
91	FEDERAL GOVERNMENT	801	29	801	30	846	31
92,93	STATE AND LOCAL GOVERNMENT	5,885	47	5,945	48	6,032	49
92	State government	1,417.0	44	1,484.7	44	1,472.6	45
	State education	593.6	44	649.7	44	621.6	44
	Other State government	823.4	45	835.0	44	851.0	45
93	Local government	4,467.7	50	4,460.4	49	4,559.8	50
	Local education	3,133.1	62	3,092.0	60	3,170.3	61
	Other local government	1,334.6	34	1,368.4	35	1,389.5	36

**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.....	117.0	97.1	121.5	109.5	94.3	127.8	105.6	124.9	118.5	127.2	130.9	138.7	129.1	101.1	138.0
1976.....	120.6	100.3	127.7	112.0	97.5	131.7	105.8	130.0	120.9	133.2	133.8	145.0	131.1	100.5	140.7
Apr.	120.4	100.6	126.4	112.8	97.7	131.3	105.8	129.8	120.6	133.0	133.0	143.6	130.8	100.5	140.3
May	120.4	100.5	126.6	112.4	97.7	131.3	105.7	129.8	120.8	133.0	132.8	143.9	130.9	100.4	140.5
June	120.5	100.4	127.4	112.0	97.6	131.5	105.2	129.8	120.7	133.0	133.4	144.3	131.2	100.3	140.9
July	120.7	100.3	129.0	112.5	97.4	131.9	105.8	130.4	121.2	133.6	133.7	144.8	131.1	100.1	140.9
Aug	120.9	100.2	122.7	111.6	97.6	132.2	105.6	130.6	121.2	133.8	133.7	145.6	131.4	100.5	141.1
Sept	121.4	100.8	130.2	111.1	98.2	132.6	106.3	131.1	121.5	134.5	134.5	146.1	131.2	100.3	140.8
Oct	121.2	100.2	130.5	111.7	97.4	132.7	105.7	131.0	121.8	134.2	135.2	146.4	131.5	100.4	141.2
Nov	121.6	100.9	131.3	112.8	98.0	132.9	106.1	130.9	121.7	134.1	135.8	147.3	131.9	100.6	141.7
Dec	122.0	101.0	131.8	112.4	98.2	133.5	106.9	131.5	122.1	134.8	136.5	147.9	132.0	100.0	142.0
1977.....	122.3	101.4	133.3	111.0	98.8	133.8	106.8	132.2	122.6	135.5	137.1	148.6	131.7	100.1	141.6
Jan	122.7	101.9	134.3	113.6	98.9	134.1	106.9	132.8	123.0	136.2	137.4	149.2	131.6	100.1	141.5
Feb	123.6	103.1	137.0	116.8	99.8	134.7	107.2	133.6	123.4	137.1	138.0	150.0	132.0	100.2	142.0
Mar. p.....	124.0	103.8	138.3	119.1	100.2	135.0	107.4	133.7	124.0	137.1	138.5	150.5	132.1	100.2	142.1

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	1976										1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. p	Apr. p	
TOTAL	79,312	79,319	79,368	79,513	79,618	79,918	79,819	80,106	80,344	80,561	80,824	81,372	81,644	
GOODS-PRODUCING	23,403	23,381	23,357	23,344	23,310	23,463	23,323	23,489	23,508	23,589	23,701	23,985	24,151	
MINING	775	776	781	791	752	798	800	805	808	817	823	840	848	
CONTRACT CONSTRUCTION	3,620	3,605	3,592	3,608	3,579	3,565	3,582	3,619	3,605	3,561	3,645	3,746	3,822	
MANUFACTURING	19,008	19,000	18,984	18,945	18,979	19,100	18,941	19,065	19,095	19,211	19,233	19,399	19,481	
DURABLE GOODS	11,016	11,062	11,059	11,034	11,083	11,146	11,018	11,128	11,158	11,236	11,230	11,369	11,392	
Ordnance and accessories	160	160	158	156	157	156	155	156	156	156	156	156	157	
Lumber and wood products	600	601	601	605	605	613	613	621	626	625	626	634	636	
Furniture and fixtures	493	496	493	490	486	495	491	491	493	494	497	505	508	
Stone, clay, and glass products	626	627	628	631	628	630	630	636	629	631	620	642	648	
Primary metal industries	1,187	1,193	1,200	1,206	1,215	1,216	1,194	1,186	1,182	1,183	1,178	1,199	1,210	
Fabricated metal products	1,387	1,392	1,390	1,387	1,394	1,404	1,387	1,396	1,404	1,413	1,416	1,432	1,436	
Machinery, except electrical	2,056	2,068	2,069	2,084	2,090	2,115	2,078	2,106	2,107	2,125	2,134	2,135	2,144	
Electrical equipment and supplies	1,830	1,837	1,837	1,815	1,843	1,848	1,849	1,860	1,863	1,874	1,888	1,909	1,917	
Transportation equipment	1,742	1,747	1,743	1,728	1,737	1,737	1,695	1,749	1,766	1,790	1,766	1,808	1,792	
Instruments and related products	509	512	513	512	510	512	511	514	517	521	524	525	520	
Miscellaneous manufacturing	426	429	427	420	418	420	415	413	415	424	425	424	424	
NONDURABLE GOODS	7,992	7,938	7,925	7,911	7,896	7,954	7,923	7,937	7,937	7,975	8,003	8,030	8,089	
Food and kindred products	1,707	1,712	1,718	1,719	1,715	1,711	1,706	1,711	1,710	1,721	1,727	1,729	1,732	
Tobacco manufactures	76	76	75	80	78	76	76	75	75	74	73	72	73	
Textile mill products	973	977	973	970	969	971	961	960	957	958	964	973	983	
Apparel and other textile products	1,322	1,321	1,320	1,299	1,292	1,281	1,273	1,276	1,271	1,278	1,280	1,284	1,294	
Paper and allied products	677	679	678	680	679	681	677	680	680	684	688	689	697	
Printing and publishing	1,076	1,079	1,077	1,082	1,082	1,086	1,087	1,089	1,089	1,090	1,095	1,098	1,097	
Chemicals and allied products	1,036	1,034	1,029	1,037	1,040	1,035	1,032	1,038	1,041	1,044	1,050	1,048	1,056	
Petroleum and coal products	205	203	202	201	202	202	202	203	204	205	205	206	212	
Rubber and plastics products, nec	641	578	577	572	572	643	645	642	647	656	656	665	678	
Leather and leather products	279	279	276	271	267	268	264	263	263	265	265	266	267	
SERVICE-PRODUCING	55,909	55,938	56,011	56,169	56,308	56,455	56,496	56,617	56,836	56,972	57,123	57,387	57,493	
TRANSPORTATION AND PUBLIC UTILITIES	4,510	4,503	4,482	4,508	4,501	4,528	4,506	4,519	4,553	4,549	4,553	4,567	4,575	
WHOLESALE AND RETAIL TRADE ..	17,662	17,663	17,664	17,737	17,764	17,839	17,824	17,808	17,898	17,981	18,067	18,172	18,196	
WHOLESALE TRADE	4,250	4,258	4,254	4,271	4,272	4,283	4,292	4,291	4,304	4,323	4,334	4,349	4,370	
RETAIL TRADE	13,412	13,405	13,410	13,466	13,492	13,556	13,532	13,517	13,594	13,658	13,733	13,823	13,826	
FINANCE, INSURANCE, AND REAL ESTATE	4,289	4,282	4,301	4,312	4,312	4,338	4,359	4,381	4,403	4,423	4,431	4,450	4,467	
SERVICES	14,536	14,567	14,610	14,664	14,751	14,798	14,819	14,873	14,936	15,010	15,068	15,153	15,200	
Hotels and other lodging places	1,053	1,056	1,044	1,060	1,061	1,068	1,069	1,071	1,090	1,099	1,084	1,088	-	
Personal services	826	824	822	823	823	817	814	809	808	808	807	810	-	
Medical and other health services	4,385	4,409	4,439	4,417	4,476	4,505	4,519	4,648	4,577	4,584	4,603	4,639	-	
Educational services	1,262	1,255	1,248	1,248	1,252	1,266	1,283	1,277	1,271	1,269	1,282	1,283	-	
GOVERNMENT	14,912	14,923	14,954	14,948	14,980	14,952	14,988	15,036	15,046	15,009	15,004	15,045	15,055	
FEDERAL	2,733	2,730	2,728	2,723	2,732	2,728	2,730	2,734	2,720	2,721	2,721	2,725	2,724	
STATE AND LOCAL	12,179	12,193	12,226	12,225	12,248	12,224	12,258	12,302	12,326	12,288	12,283	12,320	12,331	

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	1976										1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. P	Apr. P	
TOTAL	53,004	52,998	53,007	53,104	53,151	53,474	53,309	53,498	53,672	53,813	54,065	54,509	54,729	
GOODS-PRODUCING	17,154	17,141	17,101	17,085	17,029	17,180	17,032	17,172	17,158	17,190	17,287	17,558	17,723	
MINING	588	588	592	599	561	605	605	612	613	609	617	635	642	
CONTRACT CONSTRUCTION	2,866	2,860	2,844	2,868	2,841	2,826	2,852	2,885	2,854	2,780	2,860	2,959	3,042	
MANUFACTURING	13,700	13,693	13,665	13,618	13,627	13,749	13,575	13,675	13,691	13,801	13,810	13,964	14,039	
DURABLE GOODS	7,871	7,916	7,905	7,878	7,911	7,975	7,833	7,929	7,955	8,026	8,011	8,131	8,153	
Ordnance and accessories	73	73	72	71	71	70	69	69	70	70	70	70	72	
Lumber and wood products	501	503	504	507	507	515	515	522	528	529	531	539	540	
Furniture and fixtures	405	408	405	401	398	408	403	403	406	403	408	415	419	
Stone, clay, and glass products	499	500	501	503	499	503	501	506	500	501	488	511	515	
Primary metal industries	931	938	943	952	956	959	934	926	923	923	917	938	948	
Fabricated metal products	1,047	1,052	1,049	1,045	1,051	1,062	1,044	1,051	1,059	1,069	1,071	1,083	1,087	
Machinery, except electrical	1,329	1,342	1,336	1,347	1,350	1,370	1,329	1,357	1,358	1,373	1,378	1,379	1,387	
Electrical equipment and supplies	1,210	1,218	1,218	1,199	1,222	1,224	1,224	1,232	1,231	1,237	1,250	1,269	1,278	
Transportation equipment	1,239	1,241	1,236	1,219	1,228	1,230	1,186	1,236	1,251	1,278	1,251	1,281	1,265	
Instruments and related products	310	312	313	314	311	312	311	312	315	318	320	321	316	
Miscellaneous manufacturing	327	329	328	320	318	322	317	315	314	325	327	325	326	
NONDURABLE GOODS	5,829	5,777	5,760	5,740	5,716	5,772	5,742	5,746	5,736	5,775	5,799	5,833	5,886	
Food and kindred products	1,164	1,167	1,172	1,177	1,168	1,164	1,159	1,161	1,156	1,169	1,175	1,179	1,181	
Tobacco manufactures	63	63	62	67	65	63	63	63	62	60	60	59	60	
Textile mill products	850	855	850	847	845	848	838	835	833	835	840	849	858	
Apparel and other textile products	1,140	1,139	1,138	1,115	1,109	1,100	1,091	1,093	1,089	1,096	1,098	1,102	1,111	
Paper and allied products	513	516	517	516	514	515	512	515	514	517	517	519	527	
Printing and publishing	630	632	630	630	629	632	632	632	631	631	635	636	635	
Chemicals and allied products	591	592	587	591	595	589	588	590	590	594	601	601	608	
Petroleum and coal products	134	132	130	130	130	130	131	132	132	133	132	134	139	
Rubber and plastics products, nec	503	439	436	433	432	504	502	501	505	513	514	526	538	
Leather and leather products	241	242	238	234	229	229	226	224	224	227	227	228	229	
SERVICE-PRODUCING	35,850	35,857	35,906	36,019	36,122	36,294	36,277	36,326	36,514	36,623	36,778	36,951	37,006	
TRANSPORTATION AND PUBLIC UTILITIES	3,869	3,859	3,840	3,859	3,854	3,877	3,856	3,861	3,900	3,882	3,878	3,882	3,889	
WHOLESALE AND RETAIL TRADE ..	15,618	15,620	15,623	15,668	15,700	15,771	15,761	15,734	15,792	15,876	15,974	16,053	16,059	
WHOLESALE TRADE	3,520	3,528	3,523	3,532	3,534	3,547	3,554	3,553	3,562	3,572	3,584	3,598	3,620	
RETAIL TRADE	12,098	12,092	12,100	12,136	12,166	12,224	12,207	12,181	12,230	12,304	12,390	12,455	12,439	
FINANCE, INSURANCE, AND REAL ESTATE	3,276	3,263	3,280	3,288	3,289	3,309	3,325	3,345	3,364	3,374	3,382	3,393	3,403	
SERVICES	13,087	13,115	13,163	13,204	13,279	13,337	13,335	13,386	13,458	13,491	13,544	13,623	13,655	

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, 1974 to date

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1974				
January	58.7	61.6	64.8	63.1
February	55.8	55.2	56.4	59.6
March	48.0	54.7	54.7	54.9
April	54.7	52.3	51.5	50.0
May	54.7	57.0	50.3	40.1
June	54.4	50.9	44.5	28.2
July	49.1	44.2	35.8	26.7
August	42.2	36.0	32.0	22.1
September	32.6	35.5	21.8	20.6
October	35.5	26.2	15.7	18.6
November	19.8	21.8	16.0	16.6
December	19.8	12.8	13.7	14.0
1975				
January	16.9	12.5	13.7	16.3
February	16.9	14.0	12.8	17.4
March	27.3	22.7	18.9	17.2
April	44.2	34.6	29.1	20.3
May	51.2	43.6	40.7	25.6
June	39.8	47.7	59.0	40.1
July	57.3	55.5	63.4	50.3
August	72.4	75.0	66.6	61.9
September	81.4	78.8	72.4	71.5
October	64.0	70.6	78.8	75.9
November	59.6	69.2	79.4	79.1
December	69.2	75.0	77.6	81.4
1976				
January	76.7	82.0	82.8	84.6
February	74.4	84.3	83.1	82.8
March	77.9	84.9	77.0	79.4
April	77.9	81.1	77.0	73.5
May	63.4	70.6	71.5	79.7
June	47.1	57.0	70.9	79.4
July	52.9	47.4	55.2	75.3
August	49.1	65.1	55.2	74.1
September	68.9	54.9	61.9	77.0p
October	39.0	59.9	70.1	75.0p
November	64.2	53.8	69.8	
December	68.3	75.9	74.4p	
1977				
January	71.5	76.7	88.1p	
February	61.6	82.6p		
March	76.7p	83.7p		
April	75.3p			
May				
June				
July				
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		
	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
1 ALABAMA ¹	1,181.8	1,214.0	1,226.4	13.4	14.8	15.1	66.9	63.1	64.8	332.3	339.9	346.8
2 Birmingham ²	314.8	320.2	324.2	8.3	8.6	8.6	18.4	18.5	19.2	65.4	62.6	65.6
3 Huntsville ¹	102.1	102.7	104.3	(3)	(3)	(3)	3.5	3.2	3.3	28.0	29.1	30.3
4 Mobile ¹	127.8	132.6	132.9	(3)	(3)	(3)	11.1	10.1	10.2	23.8	26.2	26.3
5 Montgomery ²	88.3	88.7	89.3	(3)	(3)	(3)	5.8	5.5	5.5	13.7	13.3	13.9
6 Tuscaloosa ¹	47.1	47.0	47.4	.7	.7	.8	2.5	2.8	3.0	10.6	10.3	10.4
7 ALASKA ²	162.1	149.0	150.5	3.8	4.9	5.0	26.8	17.0	17.5	8.0	8.5	9.1
8 ARIZONA	740.6	762.6	766.0	23.3	24.7	24.6	39.5	40.5	40.9	97.1	101.7	101.8
9 Phoenix ¹	440.2	456.3	458.5	.4	.4	.4	22.0	23.3	23.4	70.7	75.5	75.7
10 Tucson	145.9	148.5	148.8	7.2	8.0	8.0	9.2	9.0	9.1	12.0	11.9	11.9
11 ARKANSAS ¹	644.8	669.2	677.3	4.4	5.0	5.2	31.0	31.4	32.9	188.6	200.5	203.7
12 Fayetteville-Springdale ¹	51.3	54.0	54.3	(3)	(3)	(3)	2.4	3.0	3.0	15.2	15.9	16.1
13 Fort Smith ¹	58.3	61.1	61.0	.5	.5	.5	2.4	2.4	2.3	21.3	22.8	22.7
14 Little Rock-North Little Rock ¹	155.1	159.5	160.7	(3)	(3)	(3)	7.7	8.1	8.7	28.5	29.4	29.7
15 Pine Bluff ¹	26.6	26.7	26.8	(3)	(3)	(3)	1.0	1.0	1.0	5.8	5.9	5.9
16 CALIFORNIA ¹	7,969.4	8,252.6	8,327.8	33.9	34.7	35.2	296.7	325.0	336.3	1,606.6	1,651.2	1,665.2
17 Anaheim-Santa Ana-Garden Grove ¹	584.3	620.0	625.7	2.0	1.8	1.8	25.4	34.5	35.5	156.6	167.6	163.7
18 Bakersfield ¹	104.0	108.4	108.8	8.3	8.8	8.7	4.0	4.4	4.6	8.0	8.9	8.8
19 Fresno ¹	150.5	155.0	157.0	.7	.7	.7	7.0	7.6	7.6	19.4	19.2	20.3
20 Los Angeles-Long Beach ¹	3,072.7	3,166.5	3,150.1	11.1	11.5	11.5	55.2	95.1	97.6	783.6	805.4	812.5
21 Modesto ¹	69.1	73.5	75.0	.1	.1	.1	3.7	4.2	4.4	14.6	15.3	15.9
22 Oxnard-Simi Valley-Ventura ¹	114.6	117.4	118.4	2.0	2.1	2.1	4.5	4.3	4.5	17.3	17.6	17.7
23 Riverside-San Bernardino-Ontario ¹	342.3	349.3	351.2	2.2	2.2	2.3	13.1	12.6	12.7	52.4	52.9	53.0
24 Sacramento ¹	321.7	337.8	339.4	.3	.3	.3	13.0	13.4	13.8	21.2	21.9	22.2
25 Salinas-Seaside-Monterey ¹	74.2	74.8	76.4	.6	.6	.6	2.5	2.8	2.9	8.8	8.3	9.4
26 San Diego ¹	488.6	503.2	506.8	.8	.8	.8	25.0	27.8	28.0	71.5	72.4	72.6
27 San Francisco-Oakland ¹	1,346.0	1,370.1	1,375.3	2.2	2.3	2.3	56.0	55.7	56.2	183.5	185.4	186.4
28 San Jose ¹	479.9	495.3	500.3	.1	.1	.1	15.9	16.5	17.0	156.1	160.9	163.2
29 Santa Barbara-Santa Maria-Lompoc ¹	100.1	103.0	104.3	.9	1.0	1.0	3.1	3.5	3.5	13.3	13.4	13.9
30 Santa Rosa ¹	66.4	69.1	69.6	.4	.4	.4	3.2	3.3	3.4	9.4	9.5	10.0
31 Stockton ¹	99.1	100.1	101.4	.1	.1	.1	3.4	3.4	3.5	17.3	16.9	17.3
32 Vallejo-Fairfield-Napa ¹	82.6	85.5	85.7	.2	.2	.2	3.0	2.4	2.5	8.6	8.6	8.5
33 COLORADO	957.7	979.7	982.2	18.9	20.5	20.5	50.1	50.0	50.7	134.8	139.4	139.3
34 Denver-Boulder	606.7	621.4	622.4	7.5	8.1	8.2	33.6	34.0	34.5	91.6	94.8	95.1
35 CONNECTICUT	1,215.9	1,227.8	(*)	(4)	(4)	(*)	33.4	31.2	(*)	392.1	397.1	(*)
36 Bridgeport ²	145.9	142.8	143.7	(4)	(4)	(4)	3.5	3.1	3.3	58.4	58.3	58.6
37 Hartford ²	236.4	236.4	238.7	(4)	(4)	(4)	8.6	7.1	7.3	84.4	81.0	81.2
38 New Britain ²	53.7	53.8	54.3	(4)	(4)	(4)	1.4	1.4	1.5	26.1	25.8	26.0
39 New Haven-West Haven ²	171.0	168.8	169.1	(4)	(4)	(4)	4.8	4.0	4.2	43.5	42.5	42.7
40 Stamford ²	88.8	89.6	90.5	(4)	(4)	(4)	2.7	2.7	2.8	27.9	27.6	27.6
41 Waterbury ²	79.5	80.5	81.1	(4)	(4)	(4)	1.9	1.4	1.5	33.0	33.2	33.3
42 DELAWARE ²	236.8	227.7	234.2	(3)	(3)	(3)	14.1	13.4	13.7	69.4	61.6	67.5
43 Wilmington ²	207.8	198.8	204.8	(3)	(3)	(3)	11.8	12.0	12.3	65.9	57.8	63.4
44 DISTRICT OF COLUMBIA ^{1,5}	573.0	570.9	572.6	(3)	(3)	(3)	16.8	16.5	16.9	15.7	15.4	15.5
45 Washington SMSA ¹	1,342.9	1,354.7	1,364.1	(3)	(3)	(3)	67.3	64.2	67.9	48.6	48.8	49.2
46 FLORIDA ¹	2,803.3	2,895.9	2,904.7	9.4	9.3	9.4	162.3	175.3	174.2	341.4	354.8	353.5
47 Fort Lauderdale-Hollywood ¹	247.8	248.0	249.4	(3)	(3)	(3)	16.0	16.6	16.5	25.2	26.4	26.7
48 Jacksonville ¹	257.2	257.5	258.8	(3)	(3)	(3)	14.4	14.3	14.7	29.1	28.5	28.4
49 Miami ¹	593.8	593.7	592.1	(3)	(3)	(3)	23.0	23.3	22.4	83.3	86.9	86.4
50 Orlando ¹	212.6	214.1	214.4	(3)	(3)	(3)	11.4	11.6	11.7	24.5	25.9	25.9
51 Pensacola ¹	86.6	89.3	89.4	(3)	(3)	(3)	5.9	6.8	6.8	13.7	13.8	13.6
52 Tampa-St. Petersburg ¹	426.9	427.6	428.4	(3)	(3)	(3)	27.9	26.7	26.8	56.8	58.2	58.4
53 West Palm Beach-Boca Raton ¹	147.5	153.1	153.5	(3)	(3)	(3)	9.6	9.8	9.8	17.9	20.0	20.0
54 GEORGIA	1,744.7	1,765.4	1,780.1	6.9	7.4	7.5	74.0	75.4	80.5	455.8	458.5	463.1
55 Atlanta	743.5	754.4	756.6	(3)	(3)	(3)	32.6	33.8	34.1	120.0	120.6	121.5
56 Augusta	104.1	109.0	109.6	(3)	(3)	(3)	4.7	6.8	7.4	32.2	33.6	33.7
57 Columbus	75.4	75.1	75.4	(3)	(3)	(3)	5.1	4.8	4.9	21.1	21.6	21.8
58 Macon	90.2	89.9	90.4	(3)	(3)	(3)	4.4	4.3	4.7	14.1	14.1	14.5
59 Savannah	72.2	74.7	75.0	(3)	(3)	(3)	4.7	4.6	4.6	15.1	15.6	15.8
60 HAWAII	341.0	344.2	345.2	(3)	(3)	(3)	24.2	21.9	21.8	22.8	23.5	22.6
61 Honolulu	287.0	289.5	290.5	(3)	(3)	(3)	20.6	19.3	18.4	16.3	17.1	16.4

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			
MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	
60.4	64.5	64.7	235.9	247.0	247.8	51.3	53.4	53.5	171.5	178.1	179.4	250.1	253.2	254.3	1
23.3	24.5	24.6	75.3	78.5	78.5	20.2	20.8	20.8	55.2	56.9	57.1	48.7	49.8	49.8	2
2.2	2.3	2.3	19.0	19.5	19.7	2.7	2.8	2.8	14.7	15.0	15.1	32.0	30.8	30.8	3
9.8	9.5	9.6	30.8	32.5	32.7	5.9	6.2	5.1	25.3	25.9	25.8	21.1	21.8	21.9	4
3.9	4.2	4.2	20.2	20.6	20.6	5.2	5.2	5.2	16.1	16.8	16.8	23.4	23.1	23.1	5
1.5	1.8	1.8	8.4	8.3	8.3	1.4	1.5	1.5	4.9	5.1	5.0	16.7	16.5	16.6	6
15.2	14.3	14.3	26.1	26.7	26.2	6.6	7.4	7.3	28.5	24.8	25.4	47.1	45.4	45.7	7
38.4	36.2	36.3	177.9	182.4	183.0	42.2	43.3	43.5	142.7	147.8	148.9	180.0	183.0	184.0	8
23.0	23.5	23.6	115.2	119.6	120.0	32.7	33.8	33.6	87.1	89.7	90.4	89.1	90.5	91.1	9
7.6	7.5	7.5	31.6	32.3	32.4	5.8	5.8	5.8	29.7	30.3	30.5	42.5	43.7	43.6	10
36.9	37.8	37.8	137.1	142.0	143.4	27.2	28.8	29.2	92.5	96.6	97.3	127.1	127.1	127.8	11
3.0	2.9	2.9	11.8	12.6	12.7	1.7	1.8	1.8	6.8	7.2	7.3	10.4	10.6	10.5	12
3.0	3.1	3.1	12.2	13.0	13.1	2.1	2.1	2.1	9.5	10.1	10.1	7.2	7.1	7.1	13
11.2	11.0	11.0	35.8	37.1	37.0	11.2	11.8	11.6	27.4	28.3	28.4	33.3	33.8	34.0	14
3.2	2.4	3.4	5.4	5.4	5.4	1.1	1.2	1.2	4.0	4.0	4.0	6.0	5.8	5.9	15
455.0	463.4	466.7	1,905.2	1,886.2	1,897.9	460.6	480.5	484.9	1,594.8	1,653.4	1,670.7	1,716.6	1,757.8	1,770.9	16
18.2	19.1	19.3	140.1	150.2	150.7	32.0	34.4	34.8	111.9	116.4	117.8	98.1	101.0	102.1	17
6.4	6.5	6.8	25.8	26.5	26.7	3.8	3.9	3.9	17.1	17.7	17.8	39.6	31.3	31.5	18
8.3	8.7	8.6	38.0	40.5	40.9	7.6	8.0	8.0	27.8	28.9	28.9	41.7	41.4	42.0	19
170.9	173.5	174.9	696.1	730.1	731.7	186.6	192.5	193.6	641.3	665.1	673.0	487.9	493.3	495.3	20
3.1	3.2	3.2	16.3	18.0	18.5	2.0	2.1	2.1	13.0	13.4	13.4	16.3	17.2	17.4	21
4.3	4.6	4.8	26.6	27.3	27.7	4.3	4.5	4.5	19.6	20.4	20.5	36.0	36.6	36.6	22
18.8	19.2	19.3	81.0	83.5	83.8	13.2	13.6	13.6	71.1	72.5	73.5	90.5	92.8	93.0	23
16.8	17.3	17.3	71.5	77.1	77.6	14.5	15.6	15.7	55.4	58.5	58.7	129.0	133.7	133.8	24
4.3	4.2	4.3	18.1	18.9	18.9	3.3	3.3	3.3	14.5	14.7	14.8	22.1	22.0	22.2	25
22.7	23.2	23.5	111.6	117.2	117.2	25.7	27.2	27.4	98.9	102.4	103.6	132.4	132.2	133.7	26
19.5	118.8	119.0	298.5	307.7	308.0	14.7	116.1	116.6	273.7	280.8	281.9	297.9	303.3	304.9	27
17.8	18.4	18.5	94.2	99.2	99.2	19.4	20.4	20.6	100.6	102.8	103.6	75.8	76.6	77.6	28
3.2	3.4	3.4	23.2	24.8	25.1	4.3	4.4	4.4	24.3	24.7	24.9	27.8	27.8	28.1	29
3.2	3.2	3.2	15.6	16.8	17.0	3.6	3.7	3.8	12.7	13.0	13.0	18.3	18.8	18.8	30
6.8	6.8	6.8	22.2	23.1	23.3	4.0	4.0	4.1	18.7	19.4	19.5	26.6	26.4	26.8	31
3.8	4.0	4.0	15.0	15.5	15.6	2.6	2.6	2.7	14.4	15.2	15.2	35.0	37.0	37.0	32
55.8	60.8	61.3	226.1	233.5	233.2	57.0	59.7	60.0	188.7	195.4	195.5	222.4	220.5	221.7	33
40.1	40.5	40.8	150.4	154.7	154.4	42.7	44.4	44.5	122.4	126.4	126.3	118.3	118.4	118.7	34
52.7	52.6	(*)	245.6	252.8	(*)	85.8	87.9	(*)	222.2	228.4	(*)	180.1	177.9	(*)	35
5.6	5.4	5.5	29.0	28.4	28.4	6.0	5.9	5.9	25.7	24.0	24.3	17.7	17.7	17.7	36
12.5	12.4	12.8	70.8	72.7	73.3	49.5	50.9	51.1	56.6	61.3	62.0	51.1	51.1	51.0	37
1.3	1.3	1.3	8.8	9.1	9.1	1.5	1.5	1.6	7.7	7.9	8.1	6.7	6.7	6.8	38
13.9	13.7	13.6	35.7	36.1	36.3	9.5	9.6	9.7	39.8	39.3	38.8	23.9	23.4	23.9	39
3.1	3.1	3.1	19.8	20.4	20.5	5.9	6.0	6.0	19.4	19.5	19.9	9.9	10.4	10.6	40
2.9	2.5	3.0	14.1	14.6	14.7	2.6	2.8	2.8	14.0	14.7	14.9	11.1	10.8	10.9	41
11.9	11.9	12.0	51.6	50.8	50.9	10.9	11.0	11.0	37.5	38.0	38.0	41.4	41.0	41.1	42
10.6	10.5	10.5	42.5	42.0	41.9	10.0	10.0	10.0	32.7	32.6	32.6	34.3	33.9	34.1	43
28.3	28.8	28.8	64.1	65.0	65.0	33.0	32.2	32.2	147.5	147.8	148.5	267.6	265.2	265.7	44
63.8	65.0	65.1	251.4	261.8	263.0	76.1	76.8	77.2	317.9	321.0	323.1	517.8	517.1	518.6	45
81.0	86.8	86.5	735.1	758.8	762.8	87.2	88.9	89.4	630.0	645.2	649.4	556.9	576.8	579.5	46
14.1	13.4	13.4	73.8	71.4	71.7	18.7	20.4	20.7	61.7	60.9	61.1	38.3	38.9	39.3	47
21.4	20.9	20.9	68.2	66.1	69.4	26.5	26.4	26.4	47.4	47.5	48.2	50.2	50.8	50.8	48
57.8	59.2	58.8	153.2	149.8	149.1	43.4	43.8	44.1	146.3	147.6	147.6	86.3	83.1	83.7	49
11.7	11.7	11.8	59.0	59.4	59.3	13.9	14.1	14.1	54.3	55.4	55.5	36.8	36.0	36.1	50
4.1	4.4	4.4	19.4	20.6	20.9	3.6	3.6	3.6	15.2	15.7	15.7	24.7	24.4	24.4	51
26.4	26.7	26.7	122.9	121.2	121.0	29.1	29.2	29.4	93.2	95.7	95.9	70.6	69.9	70.2	52
6.7	6.7	6.8	39.6	40.6	40.5	11.0	11.2	11.3	37.2	38.4	38.6	25.5	26.4	26.5	53
13.4	13.0	13.8	380.7	380.1	381.5	95.2	94.7	94.8	253.5	258.0	259.2	365.2	378.2	379.8	54
68.3	68.5	68.6	203.2	205.4	205.3	57.5	57.7	57.7	133.4	135.0	135.5	129.5	133.5	133.8	55
3.8	3.5	3.9	18.8	18.7	18.6	3.6	3.6	3.7	13.9	14.8	14.8	27.1	27.5	27.5	56
2.7	2.7	2.5	14.5	14.1	14.2	4.5	4.7	4.7	9.6	9.8	10.0	17.9	17.4	17.5	57
3.6	3.5	3.5	18.6	19.2	18.0	5.4	5.3	5.3	13.7	14.1	14.0	30.4	30.3	30.4	58
7.2	6.8	6.6	16.5	17.3	17.5	3.6	3.7	3.7	11.6	12.8	12.6	13.5	14.2	14.2	59
25.6	25.8	25.5	85.7	86.8	87.2	23.4	24.4	24.4	73.4	76.2	76.8	85.9	85.6	86.9	60
21.6	21.8	21.6	73.1	74.2	74.6	21.1	21.9	21.9	60.4	62.8	63.1	73.9	73.4	74.5	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		
	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
1 IDAHO ¹	277.7	291.6	294.7	3.6	3.2	3.2	13.2	15.8	15.8	49.3	52.2	52.5
2 Boise City ¹	62.6	65.4	66.4	(3)	(3)	(3)	4.5	4.4	4.7	6.1	6.3	6.5
3 ILLINOIS ¹	4,431.5	4,467.4	4,502.2	26.0	26.2	26.5	154.3	145.0	152.7	1,189.0	1,212.0	1,213.6
4 Bloomington—Normal ¹	46.5	47.4	47.4	(4)	(4)	(4)	.8	.9	.9	6.8	7.3	7.4
5 Champaign—Urbana—Rantoul ¹	66.8	65.4	66.5	(4)	(4)	(4)	2.5	2.5	2.6	6.3	6.2	6.2
6 Chicago—Gary ¹	(*)	3,268.4	(*)	(*)	4.0	(*)	(*)	104.4	(*)	(*)	912.3	(*)
7 Chicago SMSA ^{1,6}	2,965.3	3,026.3	3,040.7	4.3	4.0	4.1	95.6	92.8	96.0	798.2	817.5	819.9
8 Davenport—Rock Island—Moline ¹	149.4	153.5	153.7	(4)	(4)	(4)	5.7	4.9	5.1	47.3	51.5	51.1
9 Decatur ¹	52.0	53.4	53.7	(4)	(4)	(4)	2.7	3.0	3.1	19.4	19.2	19.3
10 Peoria ¹	143.7	142.4	143.4	(4)	(4)	(4)	7.6	7.5	7.8	51.7	50.4	50.6
11 Rockford ¹	108.5	112.6	113.4	(4)	(4)	(4)	2.6	2.6	2.8	48.3	51.8	52.1
12 Springfield ¹	77.2	77.1	76.2	(4)	(4)	(4)	3.2	3.3	3.6	8.1	8.2	6.6
13 INDIANA ¹	1,566.5	1,992.4	2,013.2	7.7	7.1	7.4	70.5	66.4	71.6	670.5	678.8	683.5
14 Evansville ¹	110.9	111.3	111.7	2.4	2.2	2.3	4.8	4.3	4.6	35.7	36.7	36.6
15 Fort Wayne ¹	153.0	153.4	156.6	(3)	(3)	(3)	5.6	5.5	5.7	54.7	54.6	56.8
16 Gary—Hammond—East Chicago ^{1,6}	230.6	229.5	233.8	(3)	(3)	(3)	11.6	11.3	12.0	95.3	95.2	97.5
17 Indianapolis ¹	459.5	459.5	456.4	(3)	(2)	(3)	15.8	14.7	15.4	120.0	119.2	113.6
18 Muncie ¹	46.4	46.9	47.8	(3)	(3)	(3)	1.4	1.5	1.6	14.7	14.1	14.8
19 South Bend ¹	101.8	101.8	102.7	(3)	(2)	(3)	3.8	3.8	3.9	31.6	31.9	32.3
20 Terre Haute ¹	57.2	56.7	57.2	1.1	1.1	1.1	1.8	1.6	1.7	15.4	15.0	15.2
21 IOWA ¹	999.9	1,008.9	1,017.8	2.5	2.3	2.6	39.9	38.2	39.7	229.8	236.0	236.9
22 Cedar Rapids ¹	73.9	74.8	74.4	(3)	(3)	(3)	3.1	2.4	2.5	26.7	28.0	27.5
23 Des Moines ¹	155.7	155.7	157.8	(3)	(3)	(3)	6.3	5.9	6.3	24.3	23.0	24.1
24 Dubuque ¹	39.3	39.7	39.8	(3)	(3)	(3)	1.1	1.0	1.0	15.5	15.6	15.7
25 Sioux City ¹	49.3	49.2	47.9	(3)	(3)	(3)	2.9	3.3	3.4	12.4	11.8	10.1
26 Waterloo—Cedar Falls ¹	57.2	58.0	58.6	(3)	(3)	(3)	1.8	1.8	1.9	20.3	20.8	21.0
27 KANSAS ¹	824.0	840.5	846.8	10.5	10.8	10.9	38.8	39.7	42.3	165.9	166.9	166.7
28 Topeka ¹	76.1	77.9	78.9	.1	.1	.2	2.6	2.9	3.2	10.7	10.9	11.1
29 Wichita ¹	167.4	174.0	174.1	2.0	1.8	1.7	7.4	8.9	9.3	51.9	52.5	52.3
30 KENTUCKY ²	1,082.3	1,095.1	(*)	45.4	45.3	(*)	48.6	47.7	(*)	265.2	270.5	(*)
31 Lexington—Fayette ²	125.0	133.1	134.0	(3)	(3)	(3)	6.0	5.8	6.2	28.0	30.4	30.5
32 Louisville ²	348.0	355.1	355.6	(3)	(3)	(3)	14.6	13.1	14.1	100.7	103.5	101.5
33 LOUISIANA ¹	1,291.1	1,302.3	1,303.8	61.8	63.5	63.9	102.7	117.8	117.6	190.1	191.2	190.0
34 Baton Rouge ¹	170.8	171.3	171.2	1.0	1.0	1.0	22.8	22.4	22.3	23.7	24.4	24.4
35 Lake Charles ¹	50.8	51.9	52.0	1.6	1.6	1.6	5.0	5.3	4.9	11.0	10.9	11.2
36 Monroe ¹	43.8	42.8	43.0	.4	.3	.3	3.6	3.4	3.4	7.2	7.3	7.3
37 New Orleans ¹	433.1	435.7	436.4	14.3	14.7	14.6	26.9	26.2	26.5	52.1	51.8	51.8
38 Shreveport ¹	126.4	129.4	129.5	4.6	4.7	4.7	7.7	7.7	7.7	25.3	26.0	26.3
39 MAINE ¹	357.2	369.6	372.4	(3)	(3)	(3)	16.6	17.4	17.5	99.4	102.3	103.4
40 Lewiston—Auburn ¹	30.4	31.9	32.2	(3)	(3)	(3)	1.0	1.0	1.1	11.5	12.3	12.4
41 Portland ¹	77.5	80.2	81.1	(3)	(3)	(3)	3.3	3.4	3.4	15.9	15.6	15.7
42 MARYLAND ^{1,7}	1,481.2	1,492.2	1,510.6	1.7	1.7	1.7	86.5	80.6	88.1	225.0	226.7	231.4
43 Baltimore ¹	841.7	843.3	855.1	(3)	(3)	(3)	40.6	37.5	41.6	157.4	156.8	160.5
44 MASSACHUSETTS ²	2,264.5	2,312.4	2,322.6	(3)	(3)	(3)	63.2	58.4	60.5	583.1	602.1	603.2
45 Boston ²	1,250.0	1,255.8	1,266.0	(3)	(3)	(3)	37.7	34.5	35.6	249.3	257.0	258.2
46 Brockton ²	50.0	51.0	51.1	-	-	-	1.2	.9	.9	11.5	11.9	11.9
47 Fall River ²	49.3	47.7	48.0	(3)	(3)	(3)	(3)	(3)	(3)	20.6	19.0	19.1
48 Lawrence—Haverhill ²	92.5	91.0	91.8	(3)	(3)	(3)	1.8	1.5	1.6	36.5	34.6	34.7
49 Lowell ²	59.8	59.8	60.1	(3)	(3)	(3)	1.5	1.3	1.3	20.3	20.8	20.9
50 New Bedford ²	58.3	57.8	58.2	(3)	(3)	(3)	1.0	.8	.8	24.5	24.9	24.9
51 Springfield—Chicopee—Holyoke ²	211.3	211.7	211.7	(3)	(3)	(3)	5.0	4.5	4.5	63.0	61.5	61.5
52 Worcester ²	141.0	142.9	143.5	(3)	(3)	(3)	3.8	3.6	3.8	41.5	42.8	42.8
53 MICHIGAN ²	3,200.0	3,306.4	3,337.0	12.0	10.6	10.5	92.1	92.7	98.7	1,033.6	1,076.6	1,091.1
54 Ann Arbor ²	116.9	123.8	122.5	(3)	(3)	(3)	2.3	2.0	2.0	35.2	39.4	39.7
55 Battle Creek ²	62.5	63.0	63.7	(3)	(3)	(3)	1.2	.9	1.0	22.8	22.8	23.1
56 Bay City ²	33.0	33.3	33.4	(3)	(3)	(3)	.7	1.0	1.0	10.1	10.2	10.2
57 Detroit ²	1,596.6	1,630.3	1,655.2	1.1	1.1	1.1	42.4	47.0	49.1	531.4	550.3	563.2
58 Flint ²	175.3	185.7	185.5	(3)	(2)	(3)	3.7	4.4	4.6	74.4	81.2	81.2
59 Grand Rapids ²	221.1	229.6	231.5	(3)	(3)	(3)	7.6	7.7	8.0	74.0	79.5	80.0
60 Jackson ²	48.4	49.2	49.1	(3)	(3)	(3)	1.4	.8	.9	14.9	15.5	15.3
61 Kalamazoo—Portage ²	99.2	102.0	102.8	(3)	(3)	(3)	3.6	3.2	3.3	33.1	34.5	34.6
62 Lansing—East Lansing ²	169.4	174.8	176.2	(3)	(3)	(3)	3.9	3.7	3.7	36.1	39.9	40.4
63 Muskegon—Norton Shores—Musk. Hgds. ²	56.6	57.8	58.7	(3)	(3)	(3)	1.8	1.9	2.2	21.2	22.1	22.4

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			
MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	
16.5	17.4	17.9	70.0	73.5	74.3	14.9	15.9	16.0	47.2	49.3	49.6	63.0	64.1	65.4	1
3.8	4.1	4.1	16.9	17.9	18.0	4.9	5.2	5.2	10.7	11.3	11.5	15.6	16.2	16.3	2
270.4	271.8	272.7	1,011.9	1,028.0	1,032.2	255.8	258.5	259.3	789.0	806.9	810.9	735.0	719.0	734.4	3
3.0	3.0	3.0	10.4	10.8	10.8	6.4	6.6	6.6	7.2	7.1	7.0	11.8	11.8	11.6	4
2.5	2.6	2.6	13.6	14.2	14.3	2.0	2.0	2.0	9.2	9.0	9.3	30.9	28.9	29.5	5
(*)	198.9	(*)	(*)	774.7	(*)	(*)	204.9	(*)	(*)	617.6	(*)	(*)	451.7	(*)	6
185.3	184.6	185.1	693.5	730.8	731.9	193.5	195.9	196.6	568.5	584.8	585.7	426.5	416.0	421.4	7
7.5	7.4	7.5	36.6	37.2	37.3	6.3	6.3	6.3	19.9	20.2	20.3	26.0	26.0	26.0	8
3.9	4.1	4.2	9.6	10.4	10.4	2.1	2.3	2.3	8.9	9.2	9.3	5.4	5.2	5.3	9
7.5	7.7	7.7	31.0	31.5	31.7	6.5	6.8	6.8	23.2	24.1	24.3	16.2	14.5	14.5	10
4.4	4.7	4.7	22.1	22.1	22.3	3.3	3.3	3.3	15.6	16.0	16.3	12.1	12.0	12.0	11
5.0	5.2	5.2	15.6	14.8	15.0	6.6	6.6	6.6	12.8	13.8	13.8	25.9	25.3	25.5	12
99.9	101.0	101.5	419.9	428.4	433.8	89.1	90.4	90.8	277.7	282.9	285.9	331.2	337.5	338.8	13
5.9	6.0	6.0	25.7	25.6	25.7	3.8	3.8	3.8	20.4	20.6	20.6	12.2	12.1	12.1	14
5.8	9.5	10.0	35.9	35.9	36.3	8.7	9.0	9.1	22.9	23.1	23.3	15.4	15.4	15.4	15
13.6	13.9	14.0	42.3	41.8	42.3	7.7	7.8	7.8	30.3	30.3	30.7	29.8	29.2	29.5	16
28.1	28.4	28.5	110.0	110.6	111.5	32.6	32.6	32.7	70.7	71.7	72.1	82.3	82.3	82.6	17
1.9	1.9	1.9	10.0	10.6	10.7	1.5	1.4	1.4	6.4	6.7	6.7	10.5	10.7	10.7	18
4.8	4.9	5.0	23.2	23.5	23.7	5.4	4.8	4.7	21.0	21.1	21.2	12.0	11.8	11.9	19
4.1	3.9	3.9	13.5	13.7	13.7	1.8	1.8	1.9	8.1	8.1	8.1	11.4	11.5	11.6	20
54.2	53.5	53.3	246.2	248.0	251.7	46.9	47.7	47.8	179.5	182.2	183.7	200.9	200.8	201.4	21
3.6	3.6	3.6	15.3	15.2	15.2	3.5	3.5	3.6	12.6	12.8	12.8	9.0	9.2	9.1	22
10.6	10.4	10.3	39.2	40.3	40.4	17.4	17.6	17.6	30.1	31.0	31.2	27.8	27.1	27.5	23
1.6	1.6	1.6	7.9	8.1	8.2	1.1	1.1	1.1	8.5	8.6	8.6	3.6	3.5	3.5	24
3.6	3.5	3.5	11.9	11.9	11.9	2.5	2.4	2.4	9.8	9.6	9.8	6.3	6.5	6.5	25
2.3	2.2	2.2	12.2	12.2	12.4	1.5	1.6	1.6	8.6	8.8	8.8	10.4	10.6	10.7	26
56.2	56.4	56.5	199.7	203.4	204.6	39.6	41.0	41.1	138.6	144.6	146.3	174.7	177.7	178.3	27
7.1	6.9	6.9	15.8	16.8	17.0	5.4	5.6	5.6	13.4	14.0	14.2	21.0	20.7	20.7	28
8.2	8.8	8.8	37.0	37.6	37.6	8.0	9.0	9.0	30.6	32.0	32.0	22.3	23.4	23.4	29
58.6	59.7	(*)	225.4	228.2	(*)	42.4	43.1	(*)	173.6	177.5	(*)	223.1	223.1	(*)	30
5.0	5.8	5.8	27.6	30.0	30.2	5.4	5.8	5.8	22.0	23.1	23.2	31.0	32.2	32.3	31
21.8	22.1	22.4	77.1	79.4	80.0	19.2	19.8	19.9	63.4	65.5	66.1	51.1	51.6	51.6	32
100.4	100.4	100.4	297.2	290.5	291.0	61.3	60.6	60.9	220.9	223.3	224.4	256.7	255.0	255.6	33
8.2	8.6	8.4	33.4	32.9	32.9	9.2	9.4	9.5	24.7	24.3	24.4	47.8	48.3	48.3	34
2.9	3.1	3.1	11.1	11.4	11.5	2.1	2.2	2.2	8.3	8.6	8.7	8.8	8.8	8.8	35
2.3	2.2	2.3	11.1	11.1	11.2	3.0	3.0	3.1	6.6	6.6	6.6	9.6	8.8	8.8	36
44.8	44.8	44.8	109.8	111.3	111.6	26.5	26.6	26.7	89.3	91.9	91.9	69.4	68.4	68.5	37
9.7	9.3	9.3	31.7	32.9	32.6	5.8	5.9	5.9	21.0	22.1	22.2	20.6	20.8	20.8	38
17.7	17.3	17.5	73.3	76.9	77.6	14.2	14.8	14.8	55.0	63.0	62.9	77.0	77.9	78.7	39
1.2	1.2	1.1	6.7	7.2	7.2	1.3	1.3	1.4	5.8	5.9	6.0	2.9	3.0	3.0	40
4.7	4.8	4.9	19.8	21.7	21.9	6.2	6.7	6.7	14.8	15.4	15.6	12.8	12.6	12.9	41
77.3	77.5	77.9	352.7	357.1	360.2	78.6	79.6	79.9	281.6	289.7	290.8	377.8	379.3	380.6	42
53.7	54.1	54.5	191.3	193.3	194.8	48.2	48.5	48.7	156.3	160.3	160.9	194.2	192.8	194.1	43
112.7	110.9	111.1	505.8	518.0	520.8	134.1	134.7	135.1	495.8	516.2	519.8	369.8	372.1	372.1	44
68.5	66.6	67.0	288.9	290.6	296.5	92.3	93.3	93.6	318.6	322.5	324.1	194.7	191.3	191.0	45
3.6	3.5	3.6	14.4	15.0	14.9	1.7	1.6	1.7	7.9	8.6	8.7	9.7	9.5	9.4	46
1.9	1.5	2.0	9.6	9.5	9.6	(3)	(3)	(3)	11.4	11.5	11.6	5.8	5.8	5.7	47
3.3	3.1	3.1	18.2	18.8	19.1	3.3	3.2	3.2	14.2	14.2	14.5	15.2	15.6	15.6	48
2.4	2.6	2.6	13.1	12.8	12.9	1.9	1.8	1.9	10.0	10.0	10.0	10.6	10.5	10.5	49
2.6	2.4	2.4	10.9	10.2	10.4	(3)	(3)	(3)	11.6	11.5	11.7	7.7	8.0	8.0	50
8.4	8.3	8.3	44.7	45.3	45.3	11.1	11.3	11.3	36.4	36.9	37.0	42.7	43.9	43.8	51
7.1	6.5	7.0	29.4	29.3	29.4	7.9	8.0	8.0	26.9	28.0	28.3	24.4	24.3	24.2	52
143.0	143.3	144.2	654.7	674.2	678.0	134.7	136.8	137.3	525.8	552.0	555.4	604.1	620.1	621.8	53
2.1	2.0	2.1	15.5	16.7	16.9	3.2	3.4	3.4	16.3	17.4	17.6	41.9	42.9	40.8	54
2.0	2.1	2.1	10.4	10.5	10.6	3.5	3.5	3.5	10.7	10.8	11.0	11.9	12.4	12.4	55
1.9	1.8	1.8	8.3	8.3	8.4	1.0	1.1	1.1	6.0	5.8	5.8	5.0	5.1	5.1	56
80.0	77.9	78.6	321.1	320.5	324.1	78.0	80.2	80.3	288.0	295.5	299.2	254.5	257.9	259.4	57
5.7	5.8	6.0	34.3	36.1	35.7	5.1	5.3	5.3	23.9	24.8	24.6	28.2	28.1	28.1	58
9.3	9.5	9.5	50.4	52.6	53.1	8.3	8.4	8.5	41.9	42.3	42.8	29.6	29.6	29.7	59
4.3	4.4	4.4	9.6	9.7	9.7	1.5	1.5	1.5	8.2	8.7	8.7	8.5	8.6	8.6	60
3.2	3.3	3.3	18.1	19.4	19.5	3.3	3.4	3.4	16.9	16.9	17.1	21.0	21.3	21.7	61
4.0	4.2	4.2	30.9	31.1	31.3	7.7	8.1	8.2	23.4	23.7	23.7	63.4	64.1	64.7	62
2.7	3.0	3.0	10.1	10.1	10.4	1.6	1.7	1.7	8.4	8.5	8.4	10.8	10.5	10.6	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		
	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
MICHIGAN—Continued												
1 Saginaw ²	79.2	82.7	83.2	(3)	(3)	(3)	1.9	1.8	2.0	31.0	33.7	33.8
MINNESOTA¹	1,460.4	1,502.7	1,508.2	13.4	13.8	14.7	50.6	49.2	49.9	307.7	315.2	317.4
3 Duluth—Superior ¹	54.9	54.6	54.3	(3)	(3)	(3)	1.8	1.5	1.5	7.8	7.8	7.7
4 Minneapolis—St. Paul ¹	884.7	909.7	913.0	(3)	(3)	(3)	27.2	28.9	29.3	201.3	205.8	207.5
MISSISSIPPI¹	713.0	741.5	745.8	6.9	7.2	7.6	36.2	41.4	42.7	214.1	220.6	221.3
6 Jackson ¹	120.2	122.8	123.9	.9	1.0	1.1	6.3	6.5	7.2	17.8	18.1	18.2
MISSOURI	1,733.3	1,747.1	1,765.8	8.2	7.5	7.9	64.0	59.5	64.5	412.4	422.0	425.3
8 Kansas City	546.7	545.4	551.6	.6	.6	.7	23.8	19.6	21.3	111.1	111.4	113.5
9 St. Joseph	35.1	35.4	35.7	(4)	(4)	(4)	1.5	1.7	1.8	9.4	9.3	9.6
10 St. Louis	504.8	901.1	907.9	2.5	2.5	2.6	37.7	32.4	35.9	241.1	247.1	247.1
11 Springfield	70.4	73.3	74.2	.2	.1	.2	2.4	2.6	3.0	17.1	17.6	17.7
MONTANA	238.3	244.2	(*)	5.8	5.0	(*)	10.3	10.2	(*)	21.5	23.3	(*)
13 Billings	38.8	41.4	(*)	(3)	(3)	(*)	2.0	2.1	(*)	3.1	3.9	(*)
14 Great Falls	27.4	28.4	(*)	(3)	(3)	(*)	1.3	1.6	(*)	1.7	1.7	(*)
NEBRASKA	552.7	563.6	566.1	1.4	1.4	1.5	23.2	21.3	22.6	85.8	90.3	88.9
16 Lincoln	88.5	91.5	91.8	—	—	—	3.7	3.3	3.4	13.2	13.9	13.9
17 Omaha	230.5	234.8	236.7	(4)	(4)	(4)	9.7	9.0	9.5	33.1	34.7	34.9
NEVADA¹	267.5	285.1	289.1	3.4	3.6	3.6	14.8	14.9	15.8	12.4	13.4	13.5
19 Las Vegas ¹	148.2	157.6	159.9	.2	.2	.2	9.2	8.4	9.0	5.1	5.3	5.3
20 Reno ¹	75.5	91.0	82.1	.3	.4	.4	3.8	4.5	4.6	5.3	5.6	5.6
NEW HAMPSHIRE¹	297.5	312.2	314.2	.4	.3	.3	10.1	11.5	11.9	91.3	96.2	96.5
22 Manchester ¹	58.2	59.7	59.7	(4)	(4)	(4)	2.1	1.9	2.0	16.9	17.7	17.3
23 Nashua ¹	44.1	46.0	46.4	(4)	(4)	(4)	1.1	1.6	1.7	20.3	21.0	21.2
NEW JERSEY²	2,695.6	2,695.4	2,731.0	2.6	2.5	2.6	84.7	75.5	81.7	751.0	740.3	751.5
25 Atlantic City ²	61.4	59.3	60.5	—	—	—	2.8	2.7	2.8	8.5	8.0	8.0
26 Camden ^{2, 8}	287.8	286.1	292.0	.1	.1	.1	11.8	9.7	11.4	64.3	64.7	65.6
27 Hackensack ^{2, 9}	352.3	350.1	358.6	(3)	(3)	(3)	10.9	9.4	10.3	105.7	101.5	105.9
28 Jersey City ^{2, 9}	231.3	225.5	226.3	—	—	—	3.7	4.2	4.7	75.1	70.5	70.1
29 Long Branch—Asbury Park ²	133.5	135.7	137.4	(3)	(3)	(3)	5.0	5.1	5.3	21.3	21.5	22.2
30 New Burns—Perth Amboy—Sayreville ²	239.4	240.0	243.5	(3)	(3)	(3)	7.2	6.6	7.2	81.7	78.3	80.6
31 Newark ^{2, 9}	848.0	846.2	852.8	.8	.9	.9	26.3	23.4	26.4	234.6	236.6	238.0
32 Paterson—Clifton—Passaic ^{2, 9}	176.7	176.8	179.3	(3)	(3)	(3)	4.4	3.7	4.5	65.3	64.1	64.6
33 Trenton ²	147.0	152.0	153.4	(3)	(3)	(3)	2.4	2.5	2.6	36.3	37.2	38.2
34 Vineland—Millville—Bridgeton ²	50.9	50.1	51.6	(3)	(3)	(3)	1.4	.9	1.0	18.7	18.0	19.4
NEW MEXICO¹	278.9	394.6	398.2	20.7	22.4	22.7	23.9	24.7	26.0	28.9	30.5	30.6
36 Albuquerque ¹	151.0	157.6	158.9	(3)	(3)	(3)	9.1	9.6	10.2	15.7	15.7	15.7
NEW YORK²	6,716.4	6,661.8	(*)	6.3	6.3	(*)	169.4	156.7	(*)	1,428.7	1,429.6	(*)
38 Albany—Schenectady—Troy ²	307.8	307.5	(*)	(3)	(3)	(*)	9.0	8.2	(*)	60.7	60.7	(*)
39 Binghamton ²	105.2	106.4	(*)	(3)	(3)	(*)	3.0	3.1	(*)	37.6	39.4	(*)
40 Buffalo ²	477.6	484.6	(*)	(3)	(3)	(*)	14.1	15.1	(*)	138.5	140.3	(*)
41 Elmira ²	37.1	35.3	(*)	(3)	(3)	(*)	1.3	1.1	(*)	12.2	11.5	(*)
42 Monroe County ^{2, 10}	212.2	314.7	(*)	(3)	(3)	(*)	7.4	8.4	(*)	123.8	126.8	(*)
43 Nassau—Suffolk ^{2, 11}	789.9	786.8	(*)	(3)	(3)	(*)	29.0	23.0	(*)	144.0	145.3	(*)
44 New York—Northeastern New Jersey	6,165.8	6,131.9	(*)	2.3	2.5	(*)	159.6	143.8	(*)	1,288.6	1,282.5	(*)
45 New York and Nassau—Suffolk ^{2, 9}	4,389.0	4,316.7	(*)	2.0	1.9	(*)	108.8	95.8	(*)	771.3	764.5	(*)
46 New York SMSA ^{2, 11}	3,599.1	3,529.9	(*)	1.9	1.8	(*)	79.8	72.9	(*)	627.3	619.2	(*)
47 New York City ^{2, 12}	3,215.8	3,145.8	(*)	1.7	1.6	(*)	66.4	60.5	(*)	549.6	538.7	(*)
48 Poughkeepsie ²	85.1	85.5	(*)	(3)	(3)	(*)	2.1	2.5	(*)	27.7	28.2	(*)
49 Rochester ²	380.0	383.9	(*)	(3)	(3)	(*)	9.0	9.8	(*)	140.9	145.3	(*)
50 Rockland County ^{2, 12}	71.5	70.8	(*)	(3)	(3)	(*)	1.7	1.2	(*)	14.0	14.4	(*)
51 Syracuse ²	234.0	235.5	(*)	(3)	(3)	(*)	7.7	7.2	(*)	53.9	55.4	(*)
52 Utica—Rome ²	108.0	108.1	(*)	(3)	(3)	(*)	2.0	2.6	(*)	30.1	29.1	(*)
53 Westchester County ^{2, 12}	300.9	302.7	(*)	(3)	(3)	(*)	11.0	10.7	(*)	62.5	64.9	(*)
NORTH CAROLINA	1,967.5	1,975.8	1,983.3	4.0	4.2	4.3	97.9	89.8	91.4	728.1	731.7	732.2
55 Asheville	58.8	58.8	60.5	(3)	(3)	(3)	3.0	2.9	3.1	18.7	18.9	18.8
56 Charlotte—Gastonia	269.1	273.1	274.0	(3)	(3)	(3)	14.4	13.0	13.2	79.7	81.7	81.9
57 Greensboro—Winston-Salem—High Pt.	329.6	332.2	333.9	(3)	(3)	(3)	13.3	13.0	13.4	133.7	135.6	135.8
58 Raleigh—Durham	209.8	215.4	215.9	(3)	(3)	(3)	9.9	9.4	9.6	34.5	35.7	35.7

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			
MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	
4.0	3.9	3.8	15.6	16.7	16.4	3.5	3.8	3.8	11.8	11.2	11.5	11.4	11.6	11.9	1
37.7	90.1	90.5	364.4	379.1	382.2	75.7	78.9	78.9	280.6	295.2	293.7	280.2	281.2	281.4	2
5.5	5.4	5.5	14.7	14.7	14.4	2.0	2.1	2.1	11.2	11.3	11.3	11.9	11.8	11.7	3
56.8	57.7	58.3	218.7	229.0	230.9	56.2	58.2	58.4	177.8	184.4	182.1	146.7	145.5	146.6	4
33.9	35.2	35.0	136.3	144.7	145.7	28.1	29.3	29.4	100.5	104.0	104.7	157.1	159.1	159.4	5
7.4	7.6	7.6	27.6	27.8	28.0	9.3	9.6	9.6	23.2	24.2	24.1	27.7	27.9	28.0	6
121.5	122.1	122.7	402.9	402.3	404.6	92.7	93.1	93.3	309.5	314.1	318.0	322.1	326.5	329.5	7
49.7	49.4	49.9	138.7	141.3	141.7	36.3	36.9	37.0	102.2	103.3	104.0	84.3	82.9	83.5	8
2.4	2.4	2.4	8.6	9.0	9.0	1.6	1.6	1.6	5.9	5.8	5.7	5.7	5.6	5.6	9
62.8	63.2	63.9	202.7	201.9	202.9	48.4	48.6	48.6	175.5	172.4	173.3	134.0	133.0	133.6	10
5.0	5.2	5.2	18.7	19.4	19.6	2.6	2.9	2.9	13.7	14.2	14.3	10.7	11.3	11.3	11
19.0	19.5	(*)	58.3	60.1	(*)	10.5	10.8	(*)	45.4	47.6	(*)	67.5	67.7	(*)	12
3.2	3.2	(*)	12.8	13.4	(*)	2.0	2.1	(*)	8.2	8.3	(*)	7.5	8.3	(*)	13
1.8	1.9	(*)	8.3	8.6	(*)	1.9	2.0	(*)	6.3	6.7	(*)	6.1	5.9	(*)	14
40.8	42.7	43.0	144.0	149.3	149.1	34.3	35.7	35.8	100.1	102.3	103.4	123.2	120.8	121.8	15
5.7	6.0	6.0	19.2	19.4	19.3	6.2	6.4	6.4	15.2	15.5	15.6	26.2	27.1	27.1	16
20.8	21.0	21.0	58.2	57.5	57.4	19.9	20.5	20.6	47.7	49.6	50.5	41.2	42.5	42.8	17
17.2	18.2	18.3	52.7	57.5	58.2	10.9	11.7	11.8	108.7	117.0	118.8	47.4	48.8	49.1	18
9.6	10.1	10.2	29.0	31.7	32.0	5.9	6.2	6.3	68.8	74.0	75.0	20.4	21.7	21.9	19
5.5	6.1	6.0	16.4	18.3	18.4	4.0	4.5	4.5	25.9	27.8	28.5	14.3	13.8	14.1	20
11.9	12.2	12.1	63.6	66.9	67.8	14.5	15.4	15.5	55.5	58.5	58.5	50.2	51.2	51.6	21
3.8	4.0	4.0	13.6	13.8	14.0	4.1	4.1	4.1	10.8	11.1	11.2	6.9	7.1	7.1	22
1.8	1.8	1.8	9.0	9.1	9.2	1.4	1.5	1.5	6.0	6.5	6.5	4.5	4.5	4.5	23
174.5	173.7	175.0	596.0	610.7	616.8	135.7	139.9	140.5	477.2	479.9	486.4	473.9	472.9	476.5	24
3.2	3.3	3.3	15.5	14.6	15.1	4.4	4.4	4.5	13.4	12.7	13.2	13.6	13.6	13.6	25
14.7	14.0	14.2	75.7	77.9	77.3	13.5	13.9	14.0	53.1	52.8	52.9	54.6	56.0	56.5	26
18.7	17.4	17.4	103.5	102.7	103.5	13.6	13.9	14.0	60.7	64.3	65.9	39.2	40.9	41.6	27
28.8	29.5	29.9	42.9	41.3	41.4	8.5	8.8	8.8	26.2	28.4	28.5	43.1	42.8	42.9	28
5.6	5.4	5.5	32.5	33.4	34.1	5.4	5.4	5.4	31.4	32.7	32.8	31.9	32.2	32.1	29
15.6	16.1	16.2	52.5	53.0	53.0	7.4	8.9	8.9	31.1	32.8	33.2	43.5	44.3	44.4	30
64.0	61.8	61.4	164.8	162.4	162.7	59.1	58.7	58.9	156.2	162.9	163.7	139.2	139.5	140.8	31
6.7	6.8	6.9	40.1	39.5	40.0	8.5	8.9	8.9	27.6	27.6	27.9	24.1	26.2	26.5	32
5.2	5.1	5.2	22.1	22.6	22.6	5.7	6.0	6.1	35.7	33.1	37.7	39.6	40.5	41.0	33
3.0	3.0	3.0	7.7	7.6	7.5	2.5	2.5	2.5	7.4	7.6	7.6	10.2	10.5	10.6	34
23.3	23.9	24.1	86.4	90.6	91.3	16.5	16.9	17.1	71.2	75.1	75.7	108.0	110.5	110.7	35
8.6	9.0	9.0	38.6	40.4	40.6	8.4	8.5	8.6	34.8	36.8	37.1	35.8	37.6	37.7	36
425.3	423.2	(*)	1,381.4	1,375.5	(*)	573.2	570.9	(*)	1,444.7	1,462.5	(*)	1,297.4	1,236.7	(*)	37
14.8	14.6	(*)	59.9	59.8	(*)	13.7	13.6	(*)	59.5	60.4	(*)	90.3	90.1	(*)	38
4.1	4.2	(*)	19.5	18.5	(*)	3.5	3.4	(*)	14.5	15.5	(*)	23.0	22.3	(*)	39
25.7	25.4	(*)	104.0	108.1	(*)	20.5	20.8	(*)	87.1	88.6	(*)	87.8	86.4	(*)	40
1.4	1.3	(*)	7.9	8.0	(*)	1.0	1.0	(*)	6.4	6.3	(*)	6.9	6.2	(*)	41
10.1	9.8	(*)	57.4	58.8	(*)	13.6	14.2	(*)	59.4	59.6	(*)	40.4	37.1	(*)	42
35.1	35.0	(*)	205.8	208.9	(*)	43.0	43.8	(*)	164.2	166.0	(*)	168.6	164.8	(*)	43
450.9	448.4	(*)	1,308.6	1,314.2	(*)	577.9	582.0	(*)	1,321.6	1,334.0	(*)	1,056.3	1,024.5	(*)	44
320.0	315.4	(*)	921.9	916.6	(*)	478.4	475.1	(*)	1,022.7	1,021.5	(*)	763.8	725.8	(*)	45
284.9	280.4	(*)	716.0	707.7	(*)	435.4	431.3	(*)	858.6	855.6	(*)	595.1	561.1	(*)	46
263.4	259.7	(*)	627.2	618.1	(*)	417.2	412.8	(*)	769.3	766.4	(*)	520.9	488.0	(*)	47
2.9	2.6	(*)	14.4	14.1	(*)	2.4	2.4	(*)	14.5	15.1	(*)	20.9	20.2	(*)	48
12.7	12.2	(*)	72.2	73.9	(*)	15.2	15.6	(*)	69.4	69.8	(*)	60.6	57.2	(*)	49
3.4	3.4	(*)	15.5	14.9	(*)	2.2	2.0	(*)	15.5	15.5	(*)	19.5	19.4	(*)	50
13.5	13.4	(*)	51.8	52.1	(*)	14.3	14.2	(*)	45.5	47.6	(*)	47.4	45.6	(*)	51
4.0	3.8	(*)	19.7	20.1	(*)	4.9	5.2	(*)	17.8	19.6	(*)	29.5	28.7	(*)	52
17.4	16.8	(*)	70.8	72.0	(*)	15.6	16.1	(*)	71.8	71.6	(*)	51.8	50.6	(*)	53
96.8	97.4	98.2	365.7	364.7	365.8	82.2	83.4	83.6	261.1	267.1	267.9	331.7	337.5	339.9	54
3.2	3.4	3.4	11.8	11.9	12.0	2.4	2.8	2.9	10.0	10.3	10.5	9.7	9.6	9.8	55
25.3	25.7	25.9	61.6	61.7	61.8	17.3	18.3	18.4	36.9	38.0	38.1	33.9	34.7	34.7	56
19.1	19.3	19.4	62.0	62.2	62.5	14.2	14.1	14.2	44.7	45.8	45.9	42.6	42.2	42.7	57
5.7	5.7	5.8	39.2	39.4	39.7	13.3	13.9	14.0	42.5	44.8	44.7	60.7	62.5	62.4	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		
		MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
1	NORTH DAKOTA	203.9	210.5	211.3	2.4	2.6	2.6	11.1	12.2	12.1	15.6	14.6	14.5
2	Fargo—Moorhead	53.6	55.2	55.0	.3	.1	2.6	2.5	2.5	2.4	5.0	4.8	4.6
3	OHIO ¹	4,037.4	4,064.0	4,113.3	27.8	27.9	28.2	138.6	129.8	138.0	1,283.5	1,289.2	1,306.0
4	Akron ¹	248.1	248.9	251.2	.3	.3	.3	6.2	5.5	5.8	83.8	82.5	83.2
5	Canton ¹	143.2	144.7	143.5	.8	.7	.7	4.9	4.7	4.9	53.8	53.7	51.0
6	Cincinnati ¹	531.7	535.2	539.2	.4	.4	.4	20.4	19.5	20.1	153.1	154.9	155.5
7	Cleveland ¹	851.3	855.3	861.9	1.5	1.3	1.3	27.1	24.7	25.9	262.3	265.5	267.2
8	Columbus ¹	447.7	454.6	460.5	.6	.6	.6	16.1	14.8	15.5	92.5	94.2	96.8
9	Dayton ¹	326.6	330.5	334.1	.4	.4	.4	10.0	9.3	10.0	101.3	106.8	106.9
10	Toledo ¹	278.0	284.7	287.0	.5	.5	.5	10.5	10.0	10.4	82.8	84.8	85.1
11	Youngstown—Warren ¹	202.4	197.1	203.4	.3	.2	.2	5.7	5.1	5.6	82.4	75.4	80.0
12	OKLAHOMA ¹	917.5	950.9	957.2	44.1	47.8	48.0	44.4	42.5	43.7	153.3	160.8	160.5
13	Oklahoma City ¹	310.8	324.0	327.3	9.5	10.4	10.4	14.7	15.5	16.7	39.6	43.2	43.6
14	Tulsa ¹	239.8	246.8	247.9	16.2	16.4	16.4	13.7	15.0	15.2	52.0	53.4	53.3
15	OREGON ¹	842.8	874.7	880.5	1.3	1.3	1.3	30.0	34.6	33.8	180.6	191.2	191.5
16	Eugene—Springfield ¹	85.6	89.1	90.5	(3)	(3)	(3)	3.0	4.0	4.2	18.5	19.1	19.4
17	Jackson County	-	-	-	-	-	-	-	-	-	6.5	7.2	7.2
18	Portland ¹	448.5	463.8	467.5	(3)	(3)	(3)	17.1	17.8	16.9	90.4	95.0	95.7
19	Selem ²	68.3	72.1	72.3	(3)	(3)	(3)	3.2	3.5	3.3	9.9	10.6	10.7
20	PENNSYLVANIA ¹	4,440.2	4,396.0	4,451.5	47.6	45.5	47.7	160.9	145.7	159.0	1,325.3	1,302.6	1,323.0
21	Allentown—Bethlehem—Easton ¹	253.8	253.6	254.6	(3)	(3)	(3)	9.5	7.2	7.7	106.0	107.1	108.0
22	Altoona ¹	49.5	50.6	50.9	(3)	(3)	(3)	1.7	1.7	1.8	13.3	12.8	12.7
23	Delaware Valley ^{1, 13}	1,503.3	1,483.6	1,490.0	(3)	(3)	(3)	50.2	41.7	45.2	381.8	372.9	376.9
24	Erie ¹	107.0	107.0	108.5	(3)	(3)	(3)	2.8	2.3	2.6	41.5	41.6	42.6
25	Harrisburg ¹	200.8	201.1	203.0	(3)	(3)	(3)	8.4	7.6	8.3	38.3	38.2	38.5
26	Johnstown ¹	86.6	84.3	87.3	9.1	7.0	8.5	2.4	2.5	2.7	22.5	21.2	21.7
27	Lancaster ¹	132.4	132.1	133.8	(3)	(3)	(3)	6.1	6.1	6.5	52.7	53.1	53.7
28	Northeast Pennsylvania ¹	226.6	223.3	225.8	1.3	1.1	1.2	9.8	10.5	11.0	72.7	70.0	71.3
29	Philadelphia SMSA ¹	1,791.3	1,772.7	1,781.9	(3)	(3)	(3)	62.0	51.4	56.7	446.2	437.6	442.5
30	Philadelphia City ^{1, 14}	806.2	794.2	795.4	(3)	(3)	(3)	17.1	14.5	15.2	160.1	155.6	158.6
31	Pittsburgh ¹	886.7	860.8	882.5	11.4	11.3	11.4	38.9	31.7	38.3	246.2	235.4	240.1
32	Reading ¹	128.4	129.2	130.2	(3)	(3)	(3)	4.0	3.5	3.8	49.2	50.2	50.5
33	Scranton ^{1, 15}	80.2	79.5	80.7	(3)	(3)	(3)	2.1	2.0	2.1	26.5	26.1	26.5
34	Wilkes-Barre—Hazleton ^{1, 14}	122.0	118.6	120.0	1.2	1.0	1.1	6.7	7.5	7.8	41.8	39.5	40.3
35	Williamsport ¹	44.0	44.0	43.9	(3)	(3)	(3)	1.2	1.1	1.1	17.1	16.9	17.1
36	York ¹	135.1	136.2	137.4	(3)	(3)	(3)	5.6	5.2	5.8	57.1	57.0	57.7
37	RHODE ISLAND ¹	355.3	367.4	366.5	(3)	(3)	(3)	9.2	10.1	10.5	119.4	125.6	124.7
38	Providence—Warwick—Pawtucket ¹	368.4	379.1	378.5	(3)	(3)	(3)	9.4	10.3	10.7	133.2	140.0	139.5
39	SOUTH CAROLINA ¹	1,024.9	1,048.8	1,061.5	1.8	1.8	1.8	60.2	58.1	59.1	366.5	369.9	373.0
40	Charleston—North Charleston	119.4	123.7	124.3	(3)	(3)	(3)	9.0	9.8	9.9	16.4	17.5	17.8
41	Columbia ¹	148.2	153.2	154.3	(3)	(3)	(3)	6.7	6.7	6.7	22.5	22.6	22.8
42	Greenville—Spartanburg ¹	232.4	232.7	232.6	(3)	(3)	(3)	13.2	12.2	12.2	100.7	100.9	100.9
43	SOUTH DAKOTA	210.4	212.0	212.0	2.5	2.6	2.6	7.8	8.0	8.0	21.3	21.0	20.7
44	Rapid City	24.3	24.6	24.7	(4)	(4)	(4)	1.7	1.8	1.8	2.2	2.3	2.3
45	Sioux Falls	44.0	45.7	45.5	(4)	(4)	(4)	2.2	2.3	2.3	6.5	7.1	7.0
46	TENNESSEE	1,513.2	1,518.8	1,530.9	9.0	8.9	9.1	62.9	58.8	62.3	469.7	467.7	472.0
47	Chattanooga	154.9	155.6	157.1	.8	.8	.9	5.5	5.2	5.3	55.3	53.8	54.9
48	Knoxville	175.2	177.5	178.1	1.6	1.7	1.7	9.1	8.9	9.2	47.6	49.5	49.4
49	Memphis	316.4	317.9	319.7	.2	.2	.2	124.5	12.2	12.5	57.2	57.5	58.3
50	Nashville—Davidson	295.2	301.3	303.4	(3)	(3)	(3)	14.1	14.6	15.2	74.6	76.9	77.2
51	TEXAS ¹	4,599.8	4,758.7	4,789.1	135.8	144.6	146.1	309.5	317.3	325.2	840.4	864.6	869.7
52	Amarillo ¹	64.1	66.8	66.9	(3)	(3)	(3)	3.8	4.2	4.2	8.4	8.9	8.9
53	Austin ¹	175.2	178.6	179.7	(3)	(3)	(3)	8.9	8.6	8.7	16.6	18.4	18.4
54	Beaumont—Port Arthur—Orange ¹	134.5	131.9	133.0	(3)	(3)	(3)	13.7	14.0	14.6	41.6	37.5	37.9
55	Corpus Christi ¹	101.5	102.6	102.5	3.8	3.8	3.8	11.4	10.9	10.9	12.0	12.1	11.9
56	Dallas—Fort Worth ¹	1,105.5	1,137.9	1,144.3	12.3	12.9	13.2	47.4	47.0	48.7	241.4	250.3	250.3
57	El Paso ¹	138.6	135.8	135.9	(3)	(3)	(3)	6.5	6.5	6.4	31.7	29.4	29.3
58	Galveston—Texas City ¹	65.1	(*)	(*)	(3)	(*)	(*)	7.3	(*)	(*)	11.9	(*)	(*)
59	Houston ¹	1,077.8	1,122.8	1,128.7	45.2	46.1	46.9	114.4	116.0	117.9	186.2	186.2	187.2
60	Lubbock ¹	75.1	79.6	80.1	(3)	(3)	(3)	4.4	4.2	4.1	9.8	11.4	11.5
61	San Antonio ¹	326.7	329.0	329.9	1.7	1.7	1.7	18.6	17.8	18.3	39.8	40.6	40.9
62	Waco ¹	59.5	61.0	61.4	(3)	(3)	(3)	2.7	2.8	3.0	13.7	14.2	14.2
63	Wichita Falls ¹	45.3	46.0	46.1	2.2	2.2	2.2	2.7	2.8	2.8	7.4	7.5	7.6

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			
MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	
12.4	12.5	12.9	56.4	59.8	60.5	8.9	9.4	9.4	41.5	42.0	42.2	55.7	57.0	57.2	1
3.3	3.4	3.4	16.2	16.9	17.0	3.1	3.3	3.3	11.7	12.3	12.2	11.8	12.1	12.0	2
209.0	207.5	208.9	863.1	883.7	891.6	173.7	176.5	177.2	692.9	712.7	721.1	648.8	636.6	642.3	3
13.8	13.8	13.9	53.3	54.1	54.7	8.2	8.7	8.7	41.3	42.8	43.2	41.2	41.2	41.5	4
6.7	7.1	7.1	30.1	31.1	31.4	5.2	5.2	5.3	24.6	25.1	25.7	17.1	17.1	17.4	5
30.1	29.4	29.6	121.2	124.3	125.3	28.5	28.2	28.4	96.6	100.3	101.5	81.3	78.1	78.4	6
45.0	44.3	44.3	191.5	195.8	196.9	43.4	44.4	44.4	159.6	162.2	164.0	120.9	117.1	117.8	7
22.1	22.6	22.7	106.0	108.3	109.1	30.2	31.0	31.2	84.4	86.0	87.2	95.8	97.2	97.4	8
11.8	10.7	10.8	66.7	68.7	69.4	10.8	11.1	11.2	60.6	62.1	62.9	65.0	61.4	62.5	9
18.3	18.7	18.9	62.5	64.4	65.3	8.8	9.3	9.3	50.5	53.0	53.3	44.0	43.9	44.2	10
9.4	9.4	9.5	41.7	43.2	43.7	6.3	6.5	6.5	31.9	32.7	33.2	24.7	24.6	24.7	11
56.5	57.8	57.9	214.0	225.9	227.8	45.6	47.4	47.7	148.9	156.8	157.8	210.7	211.9	213.8	12
19.3	19.5	19.9	75.9	80.4	81.0	19.9	20.7	20.9	51.9	54.2	54.9	79.0	79.7	79.9	13
18.6	18.7	18.8	57.5	58.2	58.2	12.7	13.1	13.3	44.5	46.1	46.4	24.6	25.9	26.3	14
49.5	51.4	51.9	199.3	207.0	209.2	49.6	53.5	53.8	146.9	150.7	152.3	185.6	185.0	186.7	15
4.3	4.5	4.6	20.5	21.8	22.1	4.0	4.2	4.3	14.2	15.1	15.4	21.1	20.4	20.5	16
29.9	31.7	32.1	112.2	116.8	117.9	32.3	34.5	34.7	89.4	92.5	93.7	77.2	75.5	76.5	18
2.4	2.5	2.5	13.9	15.2	15.2	4.0	4.2	4.2	10.9	11.5	11.5	24.0	24.6	24.9	19
254.0	254.7	255.7	889.0	898.9	902.0	208.8	210.6	211.9	821.2	829.9	839.4	733.4	708.1	712.8	20
12.9	13.0	12.5	43.9	45.3	44.9	7.6	7.7	7.7	37.5	38.0	38.2	36.4	35.3	35.6	21
7.4	8.0	8.0	10.5	11.5	11.6	1.3	1.4	1.4	7.6	7.8	7.9	7.7	7.4	7.5	22
81.2	82.5	82.7	309.7	309.8	306.9	96.5	96.4	96.8	336.1	340.2	340.7	247.8	240.1	240.8	23
5.0	5.2	5.3	20.6	20.2	20.4	4.2	4.5	4.4	18.0	18.7	18.4	14.9	14.5	14.8	24
14.6	14.7	14.7	40.2	41.0	41.1	10.8	11.2	11.2	32.5	33.0	33.5	56.0	55.4	55.7	25
5.6	5.7	5.7	15.7	16.0	16.4	3.1	3.5	3.5	13.7	14.7	14.6	14.5	13.7	14.2	26
5.7	5.8	5.9	28.2	28.3	28.4	4.1	4.2	4.2	21.1	21.1	21.2	14.5	13.5	13.9	27
11.7	11.3	11.4	46.6	46.5	46.3	8.6	8.7	8.8	38.2	38.7	38.8	37.7	36.5	37.0	28
96.0	96.5	96.9	385.4	387.7	384.2	110.0	110.4	110.7	389.2	392.9	393.6	302.5	296.2	297.3	29
55.2	56.3	56.4	150.6	151.4	148.8	65.2	64.0	64.2	201.0	200.7	200.6	157.0	151.7	151.6	30
56.7	56.9	57.4	188.9	190.0	195.2	40.4	41.0	41.2	176.8	177.4	179.9	127.4	117.1	119.0	31
6.5	6.4	6.4	23.7	24.0	24.0	5.0	5.2	5.4	20.3	21.0	21.2	19.7	18.9	18.9	32
4.5	4.2	4.2	17.8	17.6	17.7	3.0	3.0	3.0	15.5	15.7	16.1	10.8	10.9	11.1	33
5.9	5.8	5.9	24.4	24.3	24.2	4.7	5.0	4.9	17.0	16.5	16.5	20.3	19.0	19.3	34
2.0	2.0	2.0	8.5	8.6	8.6	1.8	1.8	1.8	7.7	7.8	7.4	5.7	5.8	5.9	35
6.3	6.0	5.9	27.6	28.4	28.2	3.1	3.3	3.3	18.1	19.8	19.8	17.3	16.5	16.7	36
13.3	13.8	13.7	71.3	73.6	73.2	17.8	18.0	18.1	66.6	69.1	69.3	57.7	57.2	57.0	37
13.4	13.4	13.3	73.8	75.8	75.5	18.0	18.0	17.8	66.3	67.6	67.9	54.3	54.0	53.8	38
42.0	44.4	44.8	179.5	190.7	194.5	39.1	39.9	40.0	129.1	134.4	137.2	206.7	209.6	211.1	39
7.2	7.2	7.2	24.9	26.2	26.3	4.7	4.9	4.9	18.2	18.7	18.9	39.0	39.4	39.3	40
8.2	8.3	8.4	30.1	31.8	32.5	10.9	11.8	11.7	21.9	22.7	22.7	47.9	49.3	49.5	41
9.2	9.3	9.3	41.4	41.6	41.5	8.0	8.1	8.0	31.7	32.1	32.3	28.2	28.5	28.4	42
12.0	12.3	12.1	53.8	54.4	54.3	9.0	9.2	9.3	46.7	47.5	47.9	57.3	57.0	57.1	43
1.6	1.4	1.4	6.5	7.0	7.1	1.2	1.2	1.2	5.2	5.3	5.3	5.9	5.6	5.6	44
3.9	4.4	4.4	12.8	13.1	12.9	2.2	2.4	2.4	10.1	10.9	11.0	6.3	5.5	5.5	45
71.1	72.0	72.2	316.4	320.8	322.5	65.2	66.0	66.3	233.9	235.0	235.7	285.0	289.6	290.8	46
5.4	5.5	5.5	29.2	30.5	30.3	8.5	8.0	7.9	22.5	23.1	23.2	27.7	28.7	29.1	47
7.3	7.6	7.6	37.6	38.6	38.8	6.8	7.0	7.1	25.5	25.2	25.2	39.7	39.0	39.1	48
20.6	20.6	20.8	84.6	84.5	84.9	18.2	18.3	18.5	59.0	60.4	60.2	64.1	64.2	64.3	49
16.2	17.0	17.0	68.3	69.9	70.7	19.4	19.2	19.2	53.9	54.6	54.7	48.7	49.1	49.4	50
289.7	294.1	295.6	1,134.3	1,167.5	1,171.9	250.0	262.0	263.6	791.4	835.6	843.1	848.7	873.0	873.9	51
6.3	6.4	6.5	19.3	20.3	20.3	3.1	3.2	3.2	12.0	12.5	12.5	11.2	11.3	11.3	52
5.5	5.4	5.4	36.1	35.9	36.1	9.6	9.7	9.8	28.3	29.7	30.0	70.2	70.9	71.3	53
9.2	9.7	9.8	27.2	27.5	27.5	4.7	5.0	5.0	20.1	20.1	20.1	18.0	18.1	18.1	54
5.7	5.6	5.7	24.9	26.4	26.4	4.8	4.8	4.8	16.1	16.7	16.7	22.8	22.3	22.3	55
74.3	76.1	76.5	299.2	311.9	313.1	81.2	84.0	84.3	195.8	200.9	203.2	153.9	154.8	155.0	56
5.6	9.4	9.4	34.3	34.1	34.2	6.3	6.1	6.2	21.9	21.5	21.9	28.3	28.8	28.5	57
5.4	(*)	(*)	11.0	(*)	(*)	4.1	(*)	(*)	9.7	(*)	(*)	15.7	(*)	(*)	58
79.0	79.9	80.4	261.0	280.7	281.0	61.1	63.1	63.6	206.1	218.1	219.3	124.8	132.7	132.4	59
4.5	4.6	4.6	23.0	24.6	24.8	3.6	3.7	3.8	13.5	14.1	14.1	16.3	17.0	17.2	60
13.9	14.1	14.2	81.6	81.4	81.0	21.1	21.9	22.1	60.9	61.8	61.8	89.1	89.7	89.9	61
2.9	3.0	3.0	13.4	13.8	14.0	3.5	3.5	3.5	12.6	13.0	13.0	10.7	10.7	10.7	62
2.2	2.2	2.2	11.4	11.4	11.5	2.0	2.1	2.1	6.7	6.7	6.7	10.7	11.1	11.0	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		
	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
1 UTAH ¹	449.5	469.0	472.3	13.3	14.8	14.8	23.2	22.9	24.3	68.0	72.0	72.3
2 Salt Lake City—Ogden ¹	323.9	338.1	340.2	6.0	7.0	6.9	16.3	16.5	16.4	46.3	48.3	49.2
3 VERMONT ²	163.2	171.4	171.8	.7	.6	.7	5.1	5.8	5.9	40.4	41.4	41.6
4 Burlington ^{3 17}	42.1	44.3	44.6	-	-	-	-	-	-	9.4	10.3	10.3
5 Springfield ^{2 17}	12.5	12.4	12.5	-	-	-	-	-	-	5.4	5.1	5.1
6 VIRGINIA ¹	1,796.9	1,845.3	1,862.0	21.1	22.0	22.2	104.1	104.2	109.2	381.9	389.9	390.6
7 Bristol ¹	24.4	24.8	24.6	(3)	(3)	(3)	.9	.9	1.0	8.7	8.6	8.3
8 Lynchburg ¹	59.8	61.6	61.6	(3)	(3)	(3)	2.5	2.5	2.7	26.4	27.5	27.4
9 Newport News—Hampton ¹	128.4	134.3	135.3	(3)	(3)	(3)	6.6	6.4	6.9	31.6	32.9	33.1
10 Norfolk—Virginia Beach—Portsmouth ¹	244.4	247.7	249.5	(3)	(3)	(3)	14.6	14.2	15.0	25.2	25.6	26.3
11 Northern Virginia ^{1 18}	253.7	254.3	263.0	.3	.3	.3	22.4	20.5	22.2	13.2	13.7	13.8
12 Richmond ¹	281.5	285.5	286.0	.4	.3	.3	15.1	15.3	15.6	51.5	50.8	50.0
13 Roanoke ¹	95.6	96.0	96.6	.1	.2	.2	5.1	4.6	4.8	21.5	20.9	21.0
14 WASHINGTON.....	1,210.7	1,238.3	1,250.2	1.9	1.9	1.9	50.6	52.2	53.8	237.8	243.4	245.0
15 Seattle—Everett.....	567.2	591.9	597.4	(3)	(3)	(3)	21.6	24.4	25.6	117.3	119.7	120.5
16 Spokane.....	102.5	104.5	105.7	(3)	(3)	(3)	4.6	4.5	4.9	13.5	14.8	14.6
17 Tacoma.....	117.3	119.9	121.2	(3)	(3)	(3)	4.5	5.1	5.3	20.9	18.8	18.5
18 WEST VIRGINIA ¹	580.0	577.1	597.3	68.0	68.5	72.9	28.4	26.5	31.5	121.3	119.8	125.1
19 Charleston ¹	103.2	101.8	101.5	6.3	6.2	6.1	6.5	5.3	5.6	18.8	19.1	19.0
20 Huntington—Ashland ¹	96.1	95.7	96.0	.8	.8	.8	5.8	4.9	5.1	28.0	28.1	28.2
21 Parkersburg—Martinsburg ¹	51.2	50.8	51.3	.4	.4	.4	2.4	1.9	2.0	16.2	16.4	16.7
22 Wheeling ¹	64.0	62.6	63.6	8.4	8.4	8.4	2.6	2.0	2.2	13.7	13.3	14.2
23 WISCONSIN ¹	1,676.2	1,716.3	1,723.2	2.0	1.8	2.0	54.4	58.8	61.0	503.9	504.3	503.4
24 Appleton—Oshkosh ¹	105.4	105.8	107.1	(3)	(3)	(3)	4.5	4.3	4.3	40.0	39.9	40.8
25 Green Bay ¹	64.9	67.6	67.7	(3)	(3)	(3)	2.5	3.0	3.1	19.1	19.7	19.7
26 Kenosha ¹	41.2	34.5	34.1	(3)	(3)	(3)	.9	.8	.8	18.4	10.9	10.4
27 La Crosse ¹	35.1	36.7	36.8	(3)	(3)	(3)	1.1	1.2	1.3	8.6	8.6	8.7
28 Madison ¹	141.7	145.4	146.3	(3)	(3)	(3)	4.9	5.3	5.3	16.6	17.0	17.0
29 Milwaukee ¹	597.0	605.0	603.0	(3)	(3)	(3)	17.7	18.2	18.4	195.1	195.8	193.0
30 Racine ¹	62.3	60.9	61.5	(3)	(3)	(3)	1.4	1.5	1.5	26.8	27.1	27.2
31 WYOMING ¹	144.9	154.8	156.1	13.9	22.4	22.7	11.9	13.3	13.7	7.8	8.3	8.0
32 Casper ¹	26.4	28.0	28.2	4.6	4.9	5.0	2.0	2.1	2.1	1.6	1.7	1.7
33 Cheyenne ¹	23.2	23.4	23.9	(3)	(3)	(3)	1.4	1.4	1.5	1.4	1.4	1.4

¹ Based on 1972 Standard Industrial Classification.
² Based on 1972 Standard Industrial Classification and adjusted to 1976 benchmark; not strictly comparable with previously published data.
³ Combined with services.
⁴ Combined with construction.
⁵ Federal employment in the Maryland and Virginia sectors of the Washington SMSA is no longer included in data for the District of Columbia.
⁶ Area included in Chicago—Gary Standard Consolidated Statistical Area.
⁷ Data now include federal employment in the Maryland sector of the Washington, D.C. Standard Metropolitan Statistical Area.
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			
MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	
27.4	27.5	28.2	106.1	113.2	113.4	20.1	21.4	21.5	76.9	79.4	79.9	114.6	117.4	117.9	1
22.0	22.2	22.5	79.5	85.0	85.3	16.6	17.3	17.5	52.3	54.0	54.7	84.5	87.8	87.7	2
8.0	8.4	8.4	33.1	35.2	35.1	6.6	6.7	6.8	38.0	41.5	41.3	31.5	31.9	32.1	3
2.0	2.0	2.0	9.0	9.8	9.8	-	-	-	9.1	9.6	9.7	-	-	-	4
.7	.8	.8	1.5	1.9	1.9	-	-	-	2.3	2.6	2.6	-	-	-	5
103.1	107.8	104.2	369.6	381.9	382.5	83.0	88.0	88.8	301.7	314.5	317.5	437.4	440.6	443.0	6
.9	.9	.9	5.8	6.0	6.0	.9	.9	.9	3.1	3.3	3.2	4.1	4.2	4.3	7
2.6	2.6	2.6	9.6	9.5	9.3	2.6	2.7	2.7	8.0	8.3	8.3	8.1	8.5	8.6	8
4.3	4.3	4.3	23.1	24.0	24.1	4.0	4.4	4.4	22.5	23.7	23.8	36.3	38.6	38.7	9
16.7	18.1	18.1	57.6	60.1	59.9	12.4	12.8	12.8	42.8	42.7	43.0	75.1	74.2	74.4	10
24.9	25.3	25.5	82.2	85.9	86.2	20.0	21.2	21.3	81.3	83.3	84.0	109.4	109.1	109.7	11
17.5	17.8	17.8	64.4	66.8	67.0	21.7	22.6	22.8	47.2	49.0	49.3	63.7	62.9	63.2	12
10.1	9.8	9.8	22.2	23.4	23.5	5.3	5.4	5.4	17.4	17.7	17.8	13.8	14.0	14.1	13
71.7	73.5	74.0	281.1	286.5	289.1	66.6	63.4	69.1	223.6	231.3	234.6	277.4	281.1	282.7	14
39.3	41.8	42.3	135.0	144.5	145.8	39.6	41.9	42.1	107.2	111.4	112.4	107.2	108.2	108.7	15
7.1	7.1	7.2	27.8	28.1	28.3	6.4	6.3	6.4	23.1	23.5	24.4	20.0	19.8	19.9	16
5.4	5.5	5.6	27.7	30.0	30.4	5.5	5.5	5.6	24.0	25.2	25.7	29.3	29.8	30.1	17
39.0	39.4	39.9	114.1	114.0	116.8	18.5	18.1	18.3	82.3	82.3	84.4	108.5	108.1	108.3	18
8.3	8.7	8.4	23.2	22.9	23.0	4.4	4.5	4.5	16.8	16.9	17.0	18.5	18.1	17.9	19
9.0	9.2	9.1	19.7	19.7	19.7	3.4	3.3	3.3	13.2	13.0	13.0	16.3	16.8	16.7	20
2.3	2.3	2.3	11.2	11.2	11.3	1.7	1.7	1.7	8.0	7.7	7.6	9.0	9.2	9.2	21
3.6	3.6	3.6	13.4	13.4	13.5	2.4	2.4	2.4	12.0	12.0	12.1	7.8	7.4	7.3	22
81.0	80.7	81.4	369.6	385.5	388.7	75.7	77.2	77.6	294.9	314.2	316.0	294.6	293.7	293.2	23
4.0	3.9	3.9	21.4	21.1	21.3	4.1	4.2	4.2	16.5	16.9	17.0	14.9	15.5	15.5	24
4.6	4.3	4.3	15.3	15.8	15.8	1.9	2.1	2.1	11.7	12.7	12.7	9.7	10.1	10.0	25
1.3	1.4	1.4	7.6	7.6	7.7	.8	.8	.8	6.7	7.1	7.0	5.4	5.9	5.9	26
2.1	2.2	2.3	9.1	9.6	9.6	.9	.9	.9	7.5	7.9	7.9	5.9	6.3	6.2	27
5.3	5.2	5.2	29.6	31.6	31.8	9.0	9.5	9.5	24.6	25.0	25.2	51.9	51.9	52.3	28
30.5	30.6	30.0	129.2	130.4	131.1	32.8	33.3	33.3	114.3	119.3	119.6	77.5	77.4	77.1	29
2.3	1.9	2.0	11.9	12.0	12.1	1.7	1.7	1.7	5.5	10.2	10.4	8.4	6.6	6.6	30
12.5	12.6	12.8	31.9	34.1	34.4	4.8	5.5	5.5	20.7	22.0	22.3	35.4	36.6	37.1	31
2.0	2.1	2.1	6.6	7.2	7.3	1.1	1.3	1.3	4.0	4.1	4.1	4.5	4.6	4.6	32
2.3	3.1	3.2	5.2	5.6	5.7	1.2	1.3	1.3	3.8	3.9	3.9	6.9	6.7	6.9	33

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
-	TOTAL PRIVATE	\$170.88	\$171.12	\$182.73	\$183.45	\$184.53	\$4.76	\$4.78	\$5.09	\$5.11	\$5.14
-	MINING	265.44	267.76	292.71	294.50	294.19	6.29	6.33	6.76	6.77	6.81
10	METAL MINING	267.32	283.10	288.81	288.75	-	6.52	6.63	7.01	7.06	-
101	Iron ores	276.22	299.60	312.60	314.07	-	6.77	7.00	7.39	7.46	-
102	Copper ores	277.30	293.51	278.31	280.80	-	6.78	6.89	7.21	7.20	-
11,12	COAL MINING	307.23	301.86	333.26	341.12	-	7.70	7.74	8.29	8.32	-
12	Bituminous coal and lignite mining	307.65	302.25	334.03	342.76	-	7.73	7.77	8.33	8.36	-
13	OIL AND GAS EXTRACTION	250.30	250.49	281.67	278.61	-	5.65	5.68	6.11	6.07	-
131,2	Crude petroleum and natural gas fields	262.66	264.79	297.49	287.43	-	6.55	6.49	7.10	6.86	-
138	Oil and gas field services	243.66	243.27	274.56	274.75	-	5.24	5.30	5.72	5.76	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	217.51	231.26	242.52	244.72	-	5.13	5.28	5.64	5.60	-
142	Crushed and broken stone	206.64	221.63	230.59	232.29	-	4.92	5.06	5.35	5.34	-
-	CONTRACT CONSTRUCTION	269.54	278.25	288.41	287.31	288.51	7.55	7.50	7.88	7.85	7.84
15	GENERAL BUILDING CONTRACTORS	260.19	273.06	281.09	281.82	-	7.35	7.38	7.68	7.70	-
16	HEAVY CONSTRUCTION CONTRACTORS	250.28	265.49	269.66	269.49	-	6.71	6.79	6.95	6.91	-
181	Highway and street construction	225.09	249.32	252.44	251.29	-	6.10	6.28	6.54	6.46	-
162	Heavy construction, nec	265.13	277.87	280.08	281.13	-	7.07	7.18	7.20	7.19	-
17	SPECIAL TRADE CONTRACTORS	282.14	286.04	298.69	297.50	-	7.97	7.88	8.32	8.31	-
171	Plumbing, heating, air conditioning	299.09	300.80	322.49	320.26	-	8.04	8.00	8.42	8.45	-
172	Painting, paper hanging, decorating	252.20	253.69	269.60	264.45	-	7.31	7.29	7.86	7.71	-
173	Electrical work	330.87	328.62	346.63	345.40	-	8.73	8.74	9.17	9.26	-
174	Masonry, stonework, and plastering	252.40	262.57	252.59	265.50	-	7.79	7.70	8.07	8.07	-
176	Roofing and sheetmetal work	213.54	234.77	234.05	233.42	-	7.19	7.05	7.43	7.41	-
-	MANUFACTURING	202.80	198.74	216.66	220.70	220.80	5.07	5.07	5.43	5.49	5.52
19,24,25,32-39	DURABLE GOODS	219.92	214.24	233.92	238.68	239.32	5.43	5.41	5.79	5.85	5.88
20-23,26-31	NONDURABLE GOODS	179.21	176.72	192.76	194.04	194.72	4.56	4.59	4.93	4.95	4.98
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	227.96	220.81	246.04	250.51	252.35	5.56	5.59	6.06	6.14	6.14
192	Ammunition, except for small arms	228.17	223.47	252.10	255.15	256.00	5.69	5.73	6.24	6.30	6.29
1925	Complete guided missiles	249.82	244.22	280.26	287.00	-	6.23	6.23	6.92	7.00	-
1929	Ammunition, exc. for small arms, nec.	188.54	183.74	201.80	200.59	-	4.69	4.76	5.02	5.04	-
24	LUMBER AND WOOD PRODUCTS	178.65	180.80	197.38	194.22	194.53	4.50	4.52	4.91	4.88	4.90
242	Sawmills and planing mills	176.84	178.61	197.21	194.00	194.40	4.41	4.41	4.81	4.79	4.80
2421	Sawmills and planing mills, general	184.92	185.95	206.32	203.00	-	4.60	4.58	5.02	5.00	-
243	Millwork, plywood and related products	184.93	185.72	204.17	202.75	201.22	4.67	4.69	5.13	5.12	5.12
2431	Millwork	178.72	177.56	190.12	191.88	-	4.63	4.60	4.90	4.92	-
2432	Veneer and plywood	193.46	198.03	227.14	225.22	-	4.73	4.83	5.46	5.44	-
244	Wooden containers	138.84	138.41	142.84	142.42	140.96	3.56	3.54	3.71	3.68	3.69
2441,2	Wooden boxes, shooks, and crates	137.46	134.94	140.56	140.18	-	3.48	3.46	3.67	3.66	-
249	Miscellaneous wood products	159.39	158.28	163.18	162.77	162.31	3.85	3.87	4.10	4.10	4.13
25	FURNITURE AND FIXTURES	150.93	148.19	156.00	159.68	158.00	3.90	3.91	4.16	4.18	4.18
251	Household furniture	142.43	139.86	145.41	150.08	148.10	3.69	3.70	3.93	3.96	3.96
2511	Wood household furniture	135.24	132.86	138.38	142.45	-	3.45	3.46	3.70	3.70	-
2512	Upholstered household furniture	150.07	146.86	154.03	158.73	-	3.97	3.98	4.22	4.29	-
2515	Mattresses and bedsprings	159.64	158.36	167.35	167.81	-	4.28	4.28	4.56	4.56	-
252	Office furniture	171.54	169.22	188.73	187.46	-	4.31	4.35	4.73	4.71	-
254	Partitions and fixtures	189.37	182.28	197.22	198.07	-	4.77	4.71	5.07	5.04	-
253,9	Other furniture and fixtures	170.05	165.61	175.26	177.33	178.86	4.44	4.44	4.60	4.63	4.67
32	STONE, CLAY, AND GLASS PRODUCTS	207.47	212.16	225.48	228.93	232.25	5.11	5.20	5.54	5.57	5.61
321	Flat glass	279.42	279.86	302.46	291.40	-	6.59	6.76	7.10	7.09	-
322	Glass and glassware, pressed or blown	212.34	218.29	231.01	237.72	(*)	5.23	5.43	5.69	5.77	(*)
3221	Glass containers	219.89	227.29	234.93	246.20	-	5.35	5.64	5.73	5.89	-
3229	Pressed and blown glass, nec	201.10	204.91	224.24	224.32	-	5.04	5.11	5.62	5.58	-
324	Cement, hydraulic	282.76	301.89	316.35	322.91	(*)	6.83	7.12	7.55	7.58	(*)
325	Structural clay products	166.87	170.98	176.62	180.10	(*)	4.11	4.16	4.46	4.48	(*)
3251	Brick and structural clay tile	152.59	155.66	156.02	160.80	-	3.74	3.76	3.96	4.01	-
326	Pottery and related products	172.77	169.99	190.68	194.14	-	4.43	4.45	4.94	4.94	-
327	Concrete, gypsum, and plaster products	205.44	216.30	222.19	231.08	241.86	5.06	5.15	5.38	5.45	5.56
328,9	Other stone and nonmetallic mineral products	203.72	202.61	221.54	218.56	217.74	5.03	5.04	5.43	5.41	5.43
3291	Abrasive products	197.85	197.85	215.07	213.70	-	5.06	5.06	5.35	5.41	-

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
—	TOTAL PRIVATE	35.9	35.8	35.9	35.9	35.9	—	—	—	—	—
—	MINING	42.2	42.3	43.3	43.5	43.2	—	—	—	—	—
10	METAL MINING	41.0	42.7	41.2	40.9	—	—	—	—	—	—
101	Iron ores	40.8	42.8	42.3	42.1	—	—	—	—	—	—
102	Copper ores	40.9	42.6	38.6	39.0	—	—	—	—	—	—
11,12	COAL MINING	39.9	39.0	40.2	41.0	—	—	—	—	—	—
12	Bituminous coal and lignite mining	39.8	38.9	40.1	41.0	—	—	—	—	—	—
13	OIL AND GAS EXTRACTION	44.3	44.1	46.1	45.9	—	—	—	—	—	—
131,2	Crude petroleum and natural gas fields ..	40.1	40.8	41.9	41.9	—	—	—	—	—	—
138	Oil and gas field services	46.5	45.9	48.0	47.7	—	—	—	—	—	—
14	NONMETALLIC MINERALS, EXCEPT FUELS	42.4	43.8	43.0	43.7	—	—	—	—	—	—
142	Crushed and broken stone	42.0	43.8	43.1	43.5	—	—	—	—	—	—
—	CONTRACT CONSTRUCTION	35.7	37.1	36.6	36.6	36.8	—	—	—	—	—
15	GENERAL BUILDING CONTRACTORS ..	35.4	37.0	36.6	36.6	—	—	—	—	—	—
18	HEAVY CONSTRUCTION CONTRACTORS ..	37.3	39.1	38.8	39.0	—	—	—	—	—	—
181	Highway and street construction	36.9	39.7	38.6	38.9	—	—	—	—	—	—
182	Heavy construction, nec	37.5	38.7	38.9	39.1	—	—	—	—	—	—
17	SPECIAL TRADE CONTRACTORS	35.4	36.3	35.9	35.8	—	—	—	—	—	—
171	Plumbing, heating, air conditioning	37.2	37.6	38.3	37.9	—	—	—	—	—	—
172	Painting, paper hanging, decorating	34.5	34.8	34.3	34.3	—	—	—	—	—	—
173	Electrical work	37.9	37.6	37.8	37.3	—	—	—	—	—	—
174	Masonry, stonework, and plastering	32.4	34.1	31.3	32.9	—	—	—	—	—	—
176	Roofing and sheet metal work	39.7	33.3	31.5	31.5	—	—	—	—	—	—
—	MANUFACTURING	40.0	39.2	39.9	40.2	40.0	3.0	2.4	3.0	3.2	3.1
19,24,25, 32-39	DURABLE GOODS	40.5	39.6	40.4	40.8	40.7	3.0	2.3	3.1	3.3	3.3
20-23,26-31	NONDURABLE GOODS	39.3	38.5	39.1	39.2	39.1	3.0	2.5	2.9	2.9	2.9
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	41.0	39.5	40.6	40.8	41.1	2.5	1.7	2.5	2.7	—
192	Ammunition, except for small arms	40.1	39.0	40.4	40.5	40.7	1.8	1.6	2.3	2.4	—
1925	Complete guided missiles	40.1	39.2	40.5	41.0	—	—	—	—	—	—
1929	Ammunition, exc. for small arms, nec.	40.2	38.6	40.2	39.8	—	—	—	—	—	—
24	LUMBER AND WOOD PRODUCTS	39.7	40.0	40.2	39.8	39.7	3.4	3.3	3.6	3.5	—
242	Sawmills and planing mills	40.1	40.5	41.0	40.5	40.5	4.0	3.7	4.3	4.2	—
2421	Sawmills and planing mills, general	40.2	40.6	41.1	40.6	—	—	—	—	—	—
243	Millwork, plywood and related products ..	39.6	39.6	39.8	39.6	39.3	2.9	2.9	3.1	3.1	—
2431	Millwork	38.6	38.6	38.8	39.0	—	—	—	—	—	—
2432	Veneer and plywood	40.9	41.0	41.6	41.4	—	—	—	—	—	—
244	Wooden containers	39.0	39.1	38.5	38.7	38.2	2.3	2.4	2.3	2.4	—
2441,2	Wooden boxes, shooks, and crates	39.5	39.0	38.3	38.3	—	—	—	—	—	—
249	Miscellaneous wood products	41.4	40.9	39.8	39.7	39.3	3.8	3.7	3.5	3.4	—
25	FURNITURE AND FIXTURES	38.7	37.9	37.5	38.2	37.8	2.2	1.7	1.8	1.9	—
251	Household furniture	38.6	37.8	37.0	37.9	37.4	2.2	1.7	1.8	2.0	—
2511	Wood household furniture	39.2	38.4	37.4	38.5	—	2.5	2.0	2.2	2.4	—
2512	Upholstered household furniture	37.8	36.9	36.5	37.0	—	—	—	—	—	—
2515	Mattresses and bedsprings	37.3	37.0	36.7	36.8	—	—	—	—	—	—
252	Office furniture	39.8	38.9	39.9	39.8	—	2.4	1.7	2.6	2.1	—
254	Partitions and fixtures	39.7	38.7	38.9	39.3	—	2.6	1.8	1.9	2.2	—
253,9	Other furniture and fixtures	38.3	37.3	38.1	38.3	38.3	1.8	1.0	1.0	1.2	—
32	STONE, CLAY, AND GLASS PRODUCTS ..	40.6	40.8	40.7	41.1	41.4	3.6	3.8	4.0	4.2	—
321	Flat glass	42.4	41.4	42.6	41.1	—	4.0	3.6	6.8	5.4	—
322	Glass and glassware, pressed or blown ..	40.6	40.2	40.6	41.2	(*)	4.3	4.4	4.3	4.1	—
3221	Glass containers	41.1	40.3	41.0	41.8	—	—	—	—	—	—
3229	Pressed and blown glass, nec	39.9	40.1	39.9	40.2	—	2.9	2.9	3.3	3.0	—
324	Cement, hydraulic	41.4	42.4	41.9	42.6	(*)	2.8	3.3	3.5	3.9	—
325	Structural clay products	40.6	41.1	39.6	40.2	(*)	3.3	3.5	3.2	3.5	—
3251	Brick and structural clay tile	40.8	41.4	39.4	40.1	—	—	—	—	—	—
326	Pottery and related products	39.0	38.2	38.6	39.3	—	2.0	2.0	2.4	2.5	—
327	Concrete, gypsum and plaster products	40.6	42.0	41.3	42.4	43.5	4.2	4.9	5.0	5.6	—
328,9	Other stone and nonmetallic mineral products	40.5	40.2	40.8	40.4	40.1	3.0	2.7	3.3	3.6	—
3291	Abrasive products	39.1	39.1	40.2	39.5	—	—	—	—	—	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	\$268.52	\$274.19	\$285.22	\$293.45	\$297.05	\$6.63	\$6.77	\$7.06	\$7.14	\$7.21
331	Blast furnace and basic steel products	296.60	319.66	311.65	325.21	(*)	7.49	7.74	7.93	8.01	(*)
3312	Blast furnaces and steel mills	302.20	329.51	317.49	331.70	—	7.67	7.94	8.12	8.19	—
332	Iron and steel foundries	248.66	233.24	264.31	265.85	(*)	6.05	5.95	6.51	6.50	(*)
3321	Gray iron foundries	257.09	240.12	274.44	276.71	—	6.24	6.11	6.71	6.70	—
3322	Malleable iron foundries	261.74	257.02	272.34	268.23	—	6.56	6.54	6.86	6.86	—
3323	Steel foundries	221.53	206.56	235.76	234.77	—	5.39	5.31	5.85	5.84	—
333.4	Nonferrous metals	263.94	272.39	285.23	289.22	290.46	6.36	6.47	6.94	7.02	7.05
3334	Primary aluminum	294.56	305.73	314.11	323.05	—	6.98	7.11	7.68	7.86	—
335	Nonferrous rolling and drawing	247.13	238.50	269.66	273.70	(*)	5.87	5.86	6.33	6.38	(*)
3351	Copper rolling and drawing	250.54	237.51	264.97	269.18	—	5.84	5.85	6.22	6.26	—
3352	Aluminum rolling and drawing	261.80	254.00	281.65	286.44	—	6.16	6.15	6.55	6.60	—
3357	Nonferrous wire drawing and insulating	243.86	234.14	267.95	271.78	—	5.82	5.81	6.29	6.35	—
336	Nonferrous foundries	209.09	197.88	222.63	223.85	224.52	5.15	5.10	5.47	5.50	5.53
3361	Aluminum castings	217.18	205.67	228.37	229.04	—	5.31	5.26	5.57	5.60	—
3362.9	Other nonferrous castings	199.89	187.88	214.80	216.54	—	4.96	4.88	5.33	5.36	—
339	Miscellaneous primary metal products	258.85	237.12	270.95	277.57	271.60	6.36	6.24	6.74	6.82	6.79
3391	Iron and steel forgings	273.23	248.25	288.55	296.21	—	6.78	6.62	7.16	7.26	—
34	FABRICATED METAL PRODUCTS	216.52	207.64	225.03	230.11	230.20	5.32	5.27	5.57	5.64	5.67
341	Metal cans	292.07	288.15	305.73	311.45	(*)	6.84	6.91	7.16	7.26	(*)
342	Cutlery, hand tools, and hardware	206.74	196.17	206.35	212.49	(*)	5.13	5.03	5.07	5.17	(*)
3421,3.5	Cutlery and hand tools, incl. saws	191.35	184.94	203.92	207.26	—	4.76	4.73	5.06	5.08	—
3429	Hardware, nec	218.70	204.61	207.87	216.52	—	5.40	5.26	5.07	5.23	—
343	Plumbing and heating, except electric	187.23	181.81	202.40	202.00	(*)	4.74	4.71	5.06	5.05	(*)
3431,2	Sanitary ware and plumbers' brass goods	191.04	185.73	203.26	202.07	—	4.80	4.75	5.02	5.09	—
3433	Heating equipment, except electric	183.46	177.93	201.40	201.40	—	4.68	4.67	5.11	5.01	—
344	Fabricated structural metal products	210.53	204.75	220.25	223.11	221.13	5.25	5.21	5.52	5.55	5.57
3441	Fabricated structural steel	222.09	222.08	229.71	233.45	—	5.43	5.47	5.70	5.75	—
3442	Metal doors, sash, and trim	167.70	163.97	170.17	174.21	—	4.30	4.27	4.49	4.49	—
3443	Fabricated plate work (boiler shops)	227.92	216.38	245.18	246.24	—	5.60	5.52	5.98	6.05	—
3444	Sheet metal work	214.34	209.21	224.72	228.66	—	5.44	5.42	5.59	5.66	—
3446.9	Architectural and misc. metal work	195.23	192.27	203.95	207.90	—	4.93	4.88	5.27	5.25	—
345	Screw machine products, bolts, etc	212.48	202.98	233.20	234.47	232.39	5.12	5.10	5.50	5.53	5.52
3451	Screw machine products	200.49	196.18	225.78	223.24	—	4.89	4.88	5.30	5.29	—
3452	Bolts, nuts, rivets, and washers	223.33	209.75	240.39	245.80	—	5.33	5.31	5.71	5.77	—
346	Metal stampings	247.16	227.56	248.77	262.35	266.34	5.97	5.82	6.33	6.51	6.56
347	Metal services, nec	174.87	171.43	185.26	185.72	182.56	4.35	4.34	4.62	4.62	4.61
348	Miscellaneous fabricated wire products	186.80	181.03	192.32	194.00	195.69	4.67	4.63	4.82	4.85	4.88
349	Miscellaneous fabricated metal products	213.31	205.65	231.84	232.82	230.42	5.19	5.18	5.60	5.61	5.62
3494.8	Valves, pipe, and pipe fittings	222.14	213.60	238.98	238.41	—	5.34	5.34	5.69	5.69	—
35	MACHINERY, EXCEPT ELECTRICAL	232.63	224.80	248.63	250.66	248.66	5.66	5.62	6.02	6.04	6.05
351	Engines and turbines	257.99	248.22	283.31	282.30	(*)	6.37	6.30	7.03	7.04	(*)
3511	Steam engines and turbines	241.90	237.55	258.55	265.43	—	5.90	5.88	6.48	6.57	—
3519	Internal combustion engines, nec	265.58	253.50	294.44	289.60	—	6.59	6.50	7.27	7.24	—
352	Farm machinery	250.06	241.59	259.90	260.83	—	6.04	5.98	6.37	6.27	—
353	Construction and related machinery	242.76	233.25	257.75	266.02	263.22	5.95	5.92	6.38	6.41	6.42
3531,2	Construction and mining machinery	257.60	247.68	270.96	283.85	—	6.44	6.40	6.93	6.94	—
3533	Oil field machinery	231.23	218.15	254.48	260.48	—	5.39	5.36	5.85	5.92	—
3535.6	Conveyors, hoists, cranes, monorails	231.57	222.20	231.60	232.13	—	5.58	5.50	5.79	5.76	—
3537	Industrial trucks and tractors	207.90	208.68	239.44	236.29	—	5.25	5.31	5.84	5.82	—
354	Metal working machinery	244.11	235.07	271.53	270.50	269.44	5.84	5.79	6.30	6.32	6.31
3541	Machine tools, metal cutting types	239.20	233.16	279.40	276.46	—	5.82	5.80	6.35	6.37	—
3544	Special dies, tools, jigs and fixtures	271.25	257.69	299.71	295.70	—	6.25	6.15	6.69	6.69	—
3545	Machine tool accessories	217.49	212.26	241.43	246.03	—	5.37	5.36	5.86	5.90	—
3542.8	Miscellaneous metal working machinery	215.74	208.12	231.90	232.53	—	5.38	5.35	5.74	5.77	—
355	Special industry machinery	213.20	207.23	235.04	236.14	231.58	5.20	5.22	5.65	5.69	5.69
3551	Food products machinery	223.31	217.25	243.26	245.74	—	5.46	5.50	5.89	5.95	—
3552	Textile machinery	175.64	173.31	190.76	192.85	—	4.38	4.41	4.71	4.75	—
3555	Printing trades machinery	218.12	212.79	252.70	248.17	—	5.32	5.36	5.96	5.98	—
356	General industrial machinery	230.11	220.81	246.15	246.19	(*)	5.64	5.59	5.96	5.99	(*)
3561	Pumps and compressors	232.67	222.64	248.95	252.78	—	5.62	5.58	5.97	5.99	—
3562	Ball and roller bearings	238.91	226.58	246.63	249.69	—	5.87	5.78	6.03	6.09	—
3564	Blowers and fans	208.58	207.20	233.66	227.66	—	5.15	5.18	5.59	5.3	—
3566	Power transmission equipment	234.77	219.29	248.95	246.38	—	5.63	5.58	5.97	5.3	—
357	Office and computing machines	217.35	214.13	221.37	222.32	219.35	5.25	5.21	5.36	5.37	5.35
3573	Electronic computing equipment	229.15	224.52	227.39	227.55	—	5.43	5.41	5.44	5.47	—
358	Service industry machines	202.40	202.24	213.15	218.14	215.82	5.06	5.12	5.41	5.44	5.45
3585	Refrigeration machinery	205.34	203.78	211.77	216.91	—	5.07	5.12	5.43	5.45	—
359	Miscellaneous machinery, except electrical	227.42	218.83	242.02	243.28	241.12	5.48	5.43	5.79	5.82	5.81

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					
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	
	DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	40.5	40.5	40.4	41.1	41.2	3.0	3.1	3.4	3.4	—	
331	Blast furnace and basic steel products	39.6	41.3	39.3	40.6	(*)	2.1	3.2	2.5	2.6	—	
3312	Blast furnaces and steel mills	39.4	41.5	39.1	40.5	—	2.0	3.3	2.4	2.5	—	
332	Iron and steel foundries	41.1	39.2	40.6	40.9	(*)	4.0	2.8	4.2	3.9	—	
3321	Gray iron foundries	41.2	39.3	40.9	41.3	—	4.2	3.1	4.5	4.2	—	
3322	Malleable iron foundries	39.9	39.3	39.7	39.1	—	—	—	—	—	—	
3323	Steel foundries	41.1	38.9	40.3	40.2	—	3.5	2.3	3.8	3.7	—	
333,4	Nonferrous metals	41.5	42.1	41.1	41.2	41.2	3.5	3.9	3.3	3.4	—	
3334	Primary aluminum	42.2	43.0	40.9	41.1	—	—	—	—	—	—	
335	Nonferrous rolling and drawing	42.1	40.7	42.6	42.9	(*)	4.2	3.7	4.9	5.2	—	
3351	Copper rolling and drawing	42.9	40.6	42.6	43.0	—	—	—	—	—	—	
3352	Aluminum rolling and drawing	42.5	41.3	43.0	43.4	—	4.3	5.2	5.9	6.2	—	
3357	Nonferrous wire drawing and insulating	41.9	40.3	42.6	42.8	—	4.2	2.4	4.4	4.7	—	
336	Nonferrous foundries	40.6	38.8	40.7	40.7	40.6	3.0	2.0	3.2	3.2	—	
3361	Aluminum castings	40.9	39.1	41.0	40.9	—	—	—	—	—	—	
3362,9	Other nonferrous castings	40.3	38.5	40.3	40.4	—	—	—	—	—	—	
339	Miscellaneous primary metal products	40.7	38.0	40.2	40.7	40.0	3.5	1.8	3.5	3.8	—	
3391	Iron and steel forgings	40.3	37.5	40.3	40.8	—	—	—	—	—	—	
34	FABRICATED METAL PRODUCTS	40.7	39.4	40.4	40.8	40.6	3.1	2.1	3.1	3.3	—	
341	Metal cans	42.7	41.7	42.7	42.9	(*)	3.6	3.6	3.8	3.9	—	
342	Cutlery, hand tools, and hardware	40.3	39.0	40.7	41.1	(*)	2.9	1.5	2.9	3.3	—	
3421,3,5	Cutlery and hand tools, incl. saws	40.2	39.1	40.3	40.8	—	—	—	—	—	—	
3429	Hardware, nec	40.5	38.9	41.0	41.4	—	—	—	—	—	—	
343	Plumbing and heating, except electric	39.5	38.6	40.0	40.0	(*)	2.6	1.8	3.2	2.9	—	
3431,2	Sanitary ware and plumbers' brass goods	39.8	39.1	39.7	39.7	—	—	—	—	—	—	
3433	Heating equipment, except electric	39.2	38.1	40.2	40.2	—	—	—	—	—	—	
344	Fabricated structural metal products	40.1	39.3	39.9	40.2	39.7	2.6	2.0	2.5	2.5	—	
3441	Fabricated structural steel	40.9	40.6	40.3	40.6	—	3.0	2.7	2.7	2.8	—	
3442	Metal doors, sash, and trim	39.0	38.4	37.9	38.8	—	—	—	—	—	—	
3443	Fabricated plate work (boiler shops)	40.7	39.2	41.0	40.7	—	2.9	1.6	3.1	2.8	—	
3444	Sheet metal work	39.4	38.6	40.2	40.4	—	—	—	—	—	—	
3446,9	Architectural and misc. metal work	39.6	39.4	38.7	39.6	—	—	—	—	—	—	
345	Screw machine products, bolts, etc	41.5	39.8	42.4	42.4	42.1	3.5	2.3	4.3	4.2	—	
3451	Screw machine products	41.0	40.2	42.6	42.2	—	—	—	—	—	—	
3452	Bolts, nuts, rivets, and washers	41.9	39.5	42.1	42.6	—	—	—	—	—	—	
346	Metal stampings	41.4	39.1	39.3	40.3	40.6	3.7	2.1	3.2	4.2	—	
347	Metal services, nec	40.2	39.5	40.1	40.2	39.6	3.4	2.8	3.5	3.4	—	
348	Miscellaneous fabricated wire products	40.0	39.1	39.9	40.0	40.1	3.0	1.7	2.5	2.6	—	
349	Miscellaneous fabricated metal products	41.1	39.7	41.4	41.5	41.0	3.2	2.4	3.3	3.3	—	
3494,8	Valves, pipe, and pipe fittings	41.6	40.0	42.0	41.9	—	—	—	—	—	—	
35	MACHINERY, EXCEPT ELECTRICAL	41.1	40.0	41.3	41.5	41.1	3.0	2.2	3.5	3.5	—	
351	Engines and turbines	40.5	39.4	40.3	40.1	(*)	2.8	1.9	2.5	2.7	—	
3511	Steam engines and turbines	41.0	40.4	39.9	40.4	—	—	—	—	—	—	
3519	Internal combustion engines, nec	40.3	39.0	40.5	40.0	—	—	—	—	—	—	
352	Farm machinery	41.4	40.4	40.8	41.6	—	3.3	2.1	3.8	3.8	—	
353	Construction and related machinery	40.8	39.4	40.4	41.5	41.0	2.6	1.6	2.4	2.7	—	
3531,2	Construction and mining machinery	40.0	38.7	39.1	40.9	—	1.9	.8	1.6	2.2	—	
3533	Oil field machinery	42.9	40.7	43.5	44.0	—	—	—	—	—	—	
3535,6	Conveyors, hoists, cranes, monorails	41.5	40.4	40.0	40.3	—	—	—	—	—	—	
3537	Industrial trucks and tractors	39.6	39.3	41.0	40.6	—	—	—	—	—	—	
354	Metal working machinery	41.8	40.6	43.1	42.8	42.7	3.8	2.9	5.3	5.2	—	
3541	Machine tools, metal cutting types	41.1	40.2	44.0	43.4	—	3.1	2.2	4.8	4.5	—	
3544	Special dies, tools, jig and fixtures	43.4	41.9	44.8	44.2	—	—	—	—	—	—	
3545	Machine tool accessories	40.5	39.6	41.2	41.7	—	2.7	2.1	3.7	4.0	—	
3542,8	Miscellaneous metal working machinery	40.1	38.9	40.4	40.3	—	—	—	—	—	—	
355	Special industry machinery	41.0	39.7	41.6	41.5	40.7	2.8	2.0	3.3	3.4	—	
3551	Food products machinery	40.9	39.5	41.3	41.3	—	—	—	—	—	—	
3552	Textile machinery	40.1	39.3	40.5	40.6	—	—	—	—	—	—	
3555	Printing trades machinery	41.0	39.7	42.4	41.5	—	—	—	—	—	—	
356	General industrial machinery	40.8	39.5	41.3	41.1	(*)	3.0	1.8	3.4	3.3	—	
3561	Pumps and compressors	41.4	39.9	41.7	42.2	—	3.4	2.2	4.1	4.2	—	
3562	Ball and roller bearings	40.7	39.2	40.9	41.0	—	2.8	1.3	3.1	3.2	—	
3564	Blowers and fans	40.5	40.0	41.8	40.8	—	—	—	—	—	—	
3566	Power transmission equipment	41.7	39.3	41.7	41.2	—	3.8	2.0	3.3	3.1	—	
357	Office and computing machines	41.4	41.1	41.3	41.4	41.0	2.1	1.8	3.1	3.2	—	
3573	Electronic computing equipment	42.2	41.5	41.8	41.6	—	—	—	—	—	—	
358	Service industry machines	40.0	39.5	39.4	40.1	39.6	2.2	2.1	1.9	2.2	—	
3585	Refrigeration machinery	40.5	39.8	39.0	39.8	—	2.3	2.2	1.8	2.1	—	
359	Miscellaneous machinery, except electrical	41.5	40.3	41.8	41.8	41.5	3.9	2.9	4.0	4.1	—	

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES . . .	\$192.00	\$185.64	\$208.35	\$208.64	\$208.68	\$4.80	\$4.76	\$5.17	\$5.19	\$5.23
361	Electric test and distributing equipment . . .	198.09	194.64	216.80	215.61	210.40	4.94	4.94	5.34	5.35	5.34
3611	Electric measuring instruments	195.02	190.51	207.88	209.72	—	4.90	4.86	5.21	5.23	—
3612	Transformers	188.55	185.47	209.71	207.57	—	4.61	4.66	5.09	5.10	—
3613	Switchgear and switchboard apparatus . . .	206.96	203.84	228.33	226.08	—	5.20	5.20	5.61	5.61	—
362	Electrical industrial apparatus	194.97	189.34	211.17	210.53	(*)	4.85	4.83	5.24	5.25	(*)
3621	Motors and generators	201.06	191.69	217.89	216.54	—	4.94	4.89	5.38	5.36	—
3622	Industrial controls	180.78	176.72	195.23	193.15	—	4.60	4.59	4.93	4.94	—
363	Household appliances	190.32	184.08	201.10	204.06	(*)	4.77	4.72	5.13	5.14	(*)
3632	Household refrigerators and freezers . . .	197.71	194.24	222.61	218.24	—	4.98	4.93	5.39	5.31	—
3633	Household laundry equipment	228.48	211.46	218.04	233.23	—	5.60	5.45	6.04	6.17	—
3634	Electric housewares and fans	158.28	157.80	171.88	173.21	—	4.09	4.12	4.43	4.43	—
364	Electric lighting and wiring equipment . . .	184.63	180.18	194.22	192.55	189.93	4.57	4.55	4.88	4.85	4.87
3641	Electric lamps	192.87	186.24	213.72	212.68	—	4.67	4.61	5.29	5.20	—
3642	Lighting fixtures	192.72	192.63	191.39	189.63	—	4.83	4.84	4.92	4.90	—
3643,4	Wiring devices	174.90	168.52	186.93	185.93	—	4.34	4.31	4.65	4.66	—
365	Radio and TV receiving equipment	167.42	151.79	176.53	180.21	(*)	4.36	4.24	4.72	4.78	(*)
366	Communication equipment	222.20	214.42	247.28	248.59	(*)	5.50	5.47	5.93	5.99	(*)
3661	Telephone and telegraph apparatus	228.07	219.06	260.90	258.69	—	5.59	5.56	6.11	6.13	—
3662	Radio and TV communication equipment . . .	218.14	211.92	236.81	241.08	—	5.44	5.42	5.79	5.88	—
367	Electronic components and accessories . . .	158.39	156.36	174.47	173.96	172.70	4.02	4.03	4.34	4.36	4.35
3671,3	Electron tubes	204.62	200.27	227.29	231.57	—	5.04	5.07	5.49	5.54	—
3674,9	Other electronic components	152.10	150.16	167.60	167.14	—	3.88	3.88	4.19	4.21	—
369	Miscellaneous electrical equip. and supplies .	227.42	213.05	243.26	243.49	(*)	5.52	5.38	5.89	5.91	(*)
3694	Engine electrical equipment	242.90	228.52	264.13	264.86	—	5.91	5.80	6.38	6.46	—
37	TRANSPORTATION EQUIPMENT	269.19	251.77	281.67	298.92	298.07	6.44	6.31	6.87	7.05	7.03
371	Motor vehicles and equipment	301.70	277.70	314.75	346.76	(*)	7.00	6.84	7.53	7.81	(*)
3711	Motor vehicles	316.54	289.07	329.51	367.89	—	7.26	7.12	7.94	8.05	—
3712	Passenger car bodies	335.69	305.92	355.10	396.17	—	7.88	7.61	8.22	8.65	—
3713	Truck and bus bodies	218.43	214.34	238.00	248.05	—	5.38	5.44	5.95	6.05	—
3714	Motor vehicle parts and accessories	298.51	275.26	313.12	340.86	—	6.91	6.73	7.42	7.80	—
3715	Truck trailers	192.23	192.15	211.70	215.95	—	4.98	5.03	5.24	5.28	—
372	Aircraft and parts	261.40	249.71	281.48	279.55	(*)	6.36	6.29	6.75	6.72	(*)
3721	Aircraft	270.44	263.56	289.95	290.09	—	6.58	6.54	6.92	6.94	—
3722	Aircraft engines and engine parts	258.62	237.22	282.36	273.88	—	6.37	6.21	6.87	6.68	—
3723,9	Other aircraft parts and equipment	243.78	233.78	260.40	263.13	—	5.86	5.83	6.20	6.25	—
373	Ship and boat building and repairing	219.94	212.62	228.74	226.40	(*)	5.54	5.48	5.85	5.85	(*)
3731	Ship building and repairing	233.83	224.46	243.75	241.01	—	5.89	5.83	6.25	6.26	—
3732	Boat building and repairing	173.89	172.30	178.36	179.21	—	4.38	4.34	4.55	4.56	—
374	Railroad equipment	256.76	250.37	265.80	283.69	—	6.55	6.52	6.94	7.11	—
375,9	Other transportation equipment	169.38	168.73	177.25	183.61	—	4.31	4.36	4.64	4.72	—
38	INSTRUMENTS AND RELATED PRODUCTS . . .	193.11	188.42	207.06	205.02	205.53	4.78	4.77	5.10	5.10	5.10
381	Engineering and scientific instruments . . .	201.90	199.50	218.69	218.15	—	5.01	5.00	5.36	5.36	—
382	Mechanical measuring and control devices . .	187.92	179.08	205.09	203.09	(*)	4.64	4.58	4.99	4.99	(*)
3821	Mechanical measuring devices	188.00	181.74	209.20	207.98	—	4.70	4.66	5.09	5.11	—
3822	Automatic temperature controls	187.46	174.83	196.73	194.47	—	4.55	4.46	4.81	4.79	—
383,5	Optical and ophthalmic goods	172.06	166.18	182.00	182.91	(*)	4.28	4.25	4.55	4.55	(*)
385	Ophthalmic goods	155.23	149.76	164.19	165.42	—	3.92	3.90	4.21	4.22	—
384	Medical instruments and supplies	165.85	160.90	179.95	176.73	(*)	4.22	4.19	4.51	4.52	(*)
386	Photographic equipment and supplies	254.98	255.62	267.21	263.63	(*)	6.10	6.13	6.47	6.43	(*)
387	Watches, clocks, and watchcases	153.65	147.84	166.03	163.94	—	3.88	3.85	4.13	4.14	—
39	MISC. MANUFACTURING INDUSTRIES	153.65	150.10	167.03	168.20	165.21	3.96	3.95	4.25	4.28	4.28
391	Jewelry, silverware, and plated ware	162.70	160.55	174.60	175.95	(*)	4.14	4.17	4.50	4.50	(*)
394	Toys and sporting goods	142.82	138.00	154.05	154.04	—	3.70	3.68	3.95	3.97	—
3941-3	Games, toys, dolls and play vehicles	133.86	130.65	146.31	144.78	—	3.56	3.56	3.82	3.82	—
3949	Sporting and athletic goods, nec	150.50	145.16	160.78	163.17	—	3.81	3.79	4.06	4.11	—
395	Pens, pencils, office and art supplies	155.54	152.86	168.80	171.23	—	3.85	3.86	4.22	4.27	—
396	Costume jewelry and notions	130.44	129.11	150.42	149.69	—	3.46	3.48	3.77	3.78	—
393,9	Other manufacturing industries	166.45	162.31	179.27	180.85	178.94	4.29	4.26	4.55	4.59	4.60
393	Musical instruments and parts	156.41	150.91	166.80	167.16	—	3.99	3.93	4.17	4.20	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	192.15	192.27	207.23	207.11	208.03	4.84	4.88	5.22	5.23	5.28
201	Meat products	198.69	198.58	209.58	205.74	205.06	5.03	5.04	5.36	5.33	5.34
2011.	Meat packing plants	246.86	246.51	264.60	261.04	—	5.92	5.94	6.30	6.29	—
2013	Sausages and other prepared meats	229.47	235.94	249.24	243.82	—	5.78	5.84	6.20	6.22	—
2015	Poultry dressing plants	115.48	115.16	119.36	118.68	—	3.19	3.19	3.42	3.43	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.0	39.0	40.3	40.2	39.9	2.2	1.5	2.4	2.4	—
361	Electric test and distributing equipment	40.1	39.4	40.6	40.3	39.4	1.9	1.6	2.3	2.2	—
3611	Electric measuring instruments	39.8	39.2	39.9	40.1	—	1.7	1.3	1.9	1.9	—
3612	Transformers	40.9	39.8	41.2	40.7	—	—	—	—	—	—
3613	Switchgear and switchboard apparatus	39.8	39.2	40.7	40.3	—	—	—	—	—	—
362	Electrical industrial apparatus	40.2	39.2	40.3	40.1	(*)	2.3	1.8	2.5	2.4	—
3621	Motors and generators	40.7	39.2	40.5	40.4	—	2.6	2.0	2.7	2.6	—
3622	Industrial controls	39.3	38.5	39.6	39.1	—	1.4	1.1	1.8	1.4	—
363	Household appliances	39.9	39.0	39.2	39.7	(*)	2.3	1.5	1.9	2.2	—
3632	Household refrigerators and freezers	39.7	39.4	41.3	41.1	—	—	—	—	—	—
3633	Household laundry equipment	40.8	38.8	36.1	37.8	—	—	—	—	—	—
3634	Electric housewares and fans	38.7	38.3	38.8	39.1	—	1.9	1.3	1.7	1.8	—
364	Electric lighting and wiring equipment	40.4	39.6	39.8	39.7	39.0	2.7	2.2	2.4	2.2	—
3641	Electric lamps	41.3	40.4	40.4	40.9	—	3.0	2.2	2.2	2.0	—
3642	Lighting fixtures	39.9	39.8	38.9	38.7	—	2.8	2.6	2.4	2.1	—
3643,4	Wiring devices	40.3	39.1	40.2	39.9	—	2.4	1.8	2.4	2.3	—
365	Radio and TV receiving equipment	38.4	35.8	37.4	37.7	(*)	1.3	.3	1.0	1.2	—
366	Communication equipment	40.4	39.2	41.7	41.5	(*)	2.0	1.4	2.8	2.6	—
3661	Telephone and telegraph apparatus	40.8	39.4	42.7	42.2	—	—	—	—	—	—
3662	Radio and TV communication equipment	40.1	39.1	40.9	41.0	—	2.0	1.5	2.4	2.4	—
367	Electronic components and accessories	39.4	38.8	40.2	39.9	39.7	2.0	1.7	2.3	2.2	—
3671-3	Electron tubes	40.6	39.5	41.4	41.8	—	2.0	1.5	1.6	1.9	—
3674,9	Other electronic components	39.2	38.7	40.0	39.7	—	2.0	1.7	2.4	2.2	—
369	Miscellaneous electrical equip. and supplies	41.2	39.6	41.3	41.2	(*)	3.0	1.4	3.7	3.6	—
3694	Engine electrical equipment	41.1	39.4	41.4	41.0	—	—	—	—	—	—
37	TRANSPORTATION EQUIPMENT	41.8	39.9	41.0	42.4	42.4	3.9	2.5	3.6	4.8	—
371	Motor vehicles and equipment	43.1	40.6	41.8	44.4	(*)	5.1	2.9	4.6	6.5	—
3711	Motor vehicles	43.6	40.6	41.5	45.7	—	5.4	3.2	4.5	7.7	—
3712	Passenger car bodies	42.6	40.2	43.2	45.8	—	—	—	—	—	—
3713	Truck and bus bodies	40.6	39.4	40.0	41.0	—	—	—	—	—	—
3714	Motor vehicle parts and accessories	43.2	40.9	42.2	43.7	—	5.2	2.9	4.9	5.7	—
3715	Truck trailers	38.6	38.2	40.4	40.9	—	—	—	—	—	—
372	Aircraft and parts	41.1	39.7	41.7	41.6	(*)	2.8	2.0	2.8	2.9	—
3721	Aircraft	41.1	40.3	41.9	41.8	—	2.6	1.9	2.3	2.3	—
3722	Aircraft engines and engine parts	40.6	38.2	41.1	41.0	—	2.6	1.7	3.1	3.0	—
3723,9	Other aircraft parts and equipment	41.6	40.1	42.0	42.1	—	3.5	2.5	3.6	3.9	—
373	Ship and boat building and repairing	39.7	38.8	39.1	38.7	(*)	2.7	2.0	2.3	2.7	—
3731	Ship building and repairing	39.7	38.5	39.0	38.5	—	—	—	—	—	—
3732	Boat building and repairing	39.7	39.7	39.2	39.3	—	—	—	—	—	—
374	Railroad equipment	39.2	38.4	38.3	39.9	—	1.8	1.3	2.1	2.5	—
375,9	Other transportation equipment	39.3	38.7	38.2	38.9	—	2.1	2.3	2.1	2.5	—
38	INSTRUMENTS AND RELATED PRODUCTS	40.4	39.5	40.6	40.2	40.3	2.4	1.8	2.4	2.3	—
381	Engineering and scientific instruments	40.3	39.9	40.8	40.7	—	2.9	2.1	2.4	2.5	—
382	Mechanical measuring and control devices	40.5	39.1	41.1	40.7	(*)	2.3	1.6	2.8	2.5	—
3821	Mechanical measuring devices	40.0	39.0	41.1	40.7	—	2.2	1.3	2.8	2.7	—
3822	Automatic temperature controls	41.2	39.2	40.9	40.6	—	2.5	1.9	2.7	2.3	—
383,5	Optical and ophthalmic goods	40.2	39.1	40.0	40.2	(*)	2.6	1.9	2.2	2.3	—
385	Ophthalmic goods	39.6	38.4	39.0	39.2	—	2.2	1.5	1.8	1.9	—
384	Medical instruments and supplies	39.3	38.4	39.9	39.1	(*)	2.0	1.3	2.5	2.4	—
386	Photographic equipment and supplies	41.8	41.7	41.3	41.0	(*)	3.0	2.8	2.1	2.1	—
387	Watches, clocks, and watch cases	39.6	38.4	40.2	39.6	—	1.5	1.1	2.5	1.9	—
39	MISC. MANUFACTURING INDUSTRIES	38.8	38.0	39.3	39.3	38.6	2.3	1.5	2.0	2.0	—
391	Jewelry, silverware, and plated ware	39.3	38.5	38.8	39.1	(*)	2.9	2.3	2.3	2.3	—
394	Toys and sporting goods	38.6	37.5	39.0	38.8	—	1.9	1.2	1.5	1.6	—
3941-3	Games, toys, dolls and play vehicles	37.6	36.7	38.3	37.9	—	—	—	—	—	—
3949	Sporting and athletic goods, nec	39.5	38.3	39.6	39.7	—	—	—	—	—	—
395	Pens, pencils, office and art supplies	40.4	39.6	40.0	40.1	—	2.9	2.3	2.3	2.3	—
396	Costume jewelry and notions	37.7	37.1	39.9	39.6	—	2.0	1.0	2.3	1.9	—
393,9	Other manufacturing industries	38.8	38.1	39.4	39.4	38.9	2.3	1.6	2.1	2.1	—
393	Musical instruments and parts	39.2	38.4	40.0	39.8	—	1.8	1.1	1.8	1.9	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	39.7	39.4	39.7	39.6	39.4	3.6	3.3	3.7	3.5	—
201	Meat products	39.5	39.4	39.1	38.6	38.4	3.8	3.5	3.6	3.4	—
2011	Meat packing plants	41.7	41.5	42.0	41.5	—	4.9	4.2	4.5	4.5	—
2013	Sausages and other prepared meats	39.7	40.4	40.2	39.2	—	—	—	—	—	—
2015	Poultry dressing plants	36.2	36.1	34.9	34.6	—	—	—	—	—	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	\$197.35	\$198.17	\$212.58	\$215.04	\$215.79	\$4.79	\$4.81	\$5.11	\$5.12	\$5.15
2024	Ice cream and frozen desserts	191.04	188.58	201.49	206.56	—	4.80	4.75	5.22	5.19	—
2026	Fluid milk	207.97	209.08	224.37	225.50	—	4.94	4.99	5.23	5.22	—
203	Canned, cured, and frozen foods	157.63	152.46	169.88	169.42	—	4.17	4.20	4.53	4.53	—
2031,6	Canned, cured, and frozen sea foods	140.56	129.75	136.35	142.56	—	3.83	3.85	4.07	4.05	—
2032,3	Canned food, except sea foods	169.48	166.13	184.99	183.33	—	4.46	4.49	4.83	4.85	—
2037	Frozen fruits and vegetables	148.22	141.23	161.70	159.89	—	3.86	3.88	4.20	4.23	—
204	Grain mill products	215.97	214.66	240.90	239.57	(*)	5.13	5.16	5.50	5.52	(*)
2041	Flour and other grain mill products	231.88	232.85	269.56	267.93	—	5.27	5.28	5.86	5.85	—
2042	Prepared feeds for animals and fowls	183.48	180.89	203.94	201.97	—	4.40	4.38	4.71	4.73	—
205	Bakery products	194.89	196.78	206.51	208.65	209.52	5.01	5.02	5.35	5.35	5.40
2051	Bread, cake, and related products	192.61	195.89	203.90	205.88	—	4.99	5.01	5.31	5.32	—
2052	Cookies and crackers	201.68	202.07	215.76	217.74	—	5.08	5.09	5.49	5.43	—
206	Sugar	220.99	227.42	226.33	229.68	—	5.47	5.52	5.63	5.80	—
207	Confectionery and related products	173.93	168.40	179.64	189.13	189.37	4.37	4.42	4.63	4.74	4.77
2071	Confectionery products	167.06	162.69	165.94	178.75	—	4.24	4.27	4.39	4.56	—
208	Beverages	216.31	226.80	239.95	245.35	251.25	5.49	5.60	6.09	6.18	6.25
2082	Malt liquors	312.49	338.96	327.54	345.95	—	7.37	7.60	7.95	8.14	—
2086	Bottled and canned soft drinks	166.37	171.39	179.88	178.64	—	4.31	4.35	4.66	4.64	—
209	Miscellaneous foods and kindred products ..	196.93	198.49	212.67	211.65	210.02	4.70	4.76	5.10	5.10	5.11
21	TOBACCO MANUFACTURES	191.88	195.07	206.75	206.39	209.25	5.01	5.12	5.37	5.46	5.58
211	Cigarettes	223.88	224.27	248.04	246.27	—	5.77	5.81	6.36	6.38	—
212	Cigars	119.04	113.98	125.88	123.08	—	3.10	3.14	3.43	3.40	—
22	TEXTILE MILL PRODUCTS	144.94	136.93	154.37	155.54	155.96	3.57	3.52	3.84	3.85	3.87
221	Weaving mills, cotton	152.46	140.23	159.59	162.38	161.60	3.63	3.55	3.96	3.98	3.99
222	Weaving mills, synthetics	151.98	140.82	162.00	160.80	(*)	3.68	3.62	4.00	3.99	(*)
223	Weaving and finishing mills, wool	151.84	143.60	159.53	158.38	161.16	3.65	3.59	3.91	3.93	3.95
224	Narrow fabric mills	139.67	134.92	143.35	145.16	145.16	3.39	3.39	3.62	3.62	3.62
225	Knitting mills	132.40	126.51	140.79	142.30	140.50	3.43	3.41	3.61	3.63	3.64
2251	Women's hosiery, except socks	114.87	110.53	128.02	125.03	—	3.13	3.14	3.36	3.37	—
2252	Hosiery, nec	120.71	113.93	129.45	129.92	—	3.16	3.13	3.38	3.41	—
2253	Knit outerwear mills	133.46	127.02	139.11	142.09	—	3.54	3.48	3.69	3.71	—
2254	Knit underwear mills	118.13	113.62	128.98	131.71	—	3.15	3.13	3.35	3.36	—
226	Textile finishing, except wool	161.44	150.51	168.08	171.40	(*)	3.89	3.82	4.14	4.15	(*)
227	Floor covering mills	149.29	144.76	165.60	165.55	—	3.65	3.61	4.00	3.97	—
228	Yarn and thread mills	133.87	129.36	145.44	148.06	(*)	3.33	3.30	3.60	3.62	(*)
229	Miscellaneous textile goods	163.28	156.31	175.14	173.47	173.02	3.86	3.85	4.17	4.22	4.22
23	APPAREL AND OTHER TEXTILE PRODUCTS	121.99	117.28	125.32	126.74	124.95	3.37	3.37	3.55	3.57	3.57
231	Men's and boys' suits and coats	148.92	143.44	157.16	156.11	(*)	4.08	4.11	4.39	4.41	(*)
232	Men's and boys' furnishings	113.22	109.96	113.96	113.34	113.05	3.06	3.08	3.21	3.22	3.23
2321	Men's and boys' shirts and nightwear	112.04	108.00	111.23	108.39	—	3.02	3.00	3.16	3.16	—
2327	Men's and boys' separate trousers	115.44	111.51	113.43	113.12	—	3.12	3.15	3.25	3.26	—
2328	Men's and boys' work clothing	110.26	107.21	116.66	117.34	—	2.98	3.02	3.17	3.18	—
233	Women's and misses' outerwear	118.68	113.47	122.30	124.12	120.57	3.46	3.47	3.64	3.64	3.61
2331	Women's and misses' blouses and waists ..	113.14	107.91	119.67	121.78	—	3.27	3.28	3.53	3.54	—
2335	Women's and misses' dresses	119.64	115.24	120.70	122.98	—	3.55	3.59	3.68	3.66	—
2337	Women's and misses' suits and coats	128.02	118.94	136.78	135.38	—	3.81	3.80	4.12	4.14	—
2339	Women's and misses' outerwear, nec	115.34	111.17	119.01	122.48	—	3.24	3.26	3.41	3.46	—
234	Women's and children's undergarments	113.83	110.09	117.72	119.43	118.41	3.11	3.11	3.27	3.29	3.28
2341	Women's and children's underwear	109.99	106.61	113.40	115.43	—	3.03	3.02	3.15	3.18	—
2342	Corsets and allied garments	128.48	121.40	131.38	133.95	—	3.39	3.41	3.68	3.69	—
235	Hats, caps, and millinery	114.44	110.77	115.69	114.27	—	3.06	3.01	3.11	3.08	—
236	Children's outerwear	113.52	106.91	118.34	118.01	113.47	3.11	3.09	3.26	3.26	3.27
2361	Children's dresses and blouses	110.80	104.83	116.11	114.78	—	3.73	3.12	3.28	3.27	—
237,8	Fur goods and miscellaneous apparel	123.03	118.62	130.30	131.04	—	3.38	3.37	3.56	3.60	—
239	Miscellaneous fabricated textile products ..	143.26	139.13	147.31	155.45	154.57	3.78	3.75	3.96	4.08	4.10
2391,2	Housefurnishings	114.64	114.02	120.85	123.21	—	3.09	3.09	3.32	3.33	—
26	PAPER AND ALLIED PRODUCTS	221.55	218.82	239.55	242.53	245.23	5.25	5.26	5.69	5.72	5.77
261,2,6	Paper and pulp mills	259.16	262.40	283.52	285.05	(*)	5.89	5.91	6.40	6.42	(*)
263	Paperboard mills	260.83	262.22	287.98	293.49	(*)	6.01	6.07	6.59	6.64	(*)
264	Miscellaneous converted paper products	196.11	189.27	207.57	210.74	(*)	4.76	4.72	5.10	5.14	(*)
2643	Bags, except textile bags	184.32	178.99	197.47	199.10	—	4.54	4.52	4.84	4.88	—
265	Paperboard containers and boxes	196.46	188.97	210.12	213.42	215.69	4.78	4.76	5.15	5.18	5.21
2651,2	Folding and setup paperboard boxes	186.71	180.12	201.06	202.28	—	4.61	4.56	4.94	4.97	—
2653	Corrugated and solid fiber boxes	206.41	198.00	221.40	226.18	—	5.01	5.00	5.40	5.45	—
2654	Sanitary food containers	186.06	177.91	194.31	198.21	—	4.43	4.47	4.87	4.87	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	41.2	41.2	41.6	42.0	41.9	3.8	3.7	3.9	4.1	—
2024	Ice cream and frozen desserts	39.8	39.7	38.6	39.8	—	—	—	—	—	—
2026	Fluid milk	42.1	41.9	42.9	43.2	—	—	—	—	—	—
203	Canned, cured, and frozen foods	37.8	36.3	37.5	37.4	—	2.7	2.2	2.9	2.5	—
2031,6	Canned, cured, and frozen sea foods	36.7	33.7	33.5	35.2	—	—	—	—	—	—
2032,3	Canned food, except sea foods	38.0	37.0	38.3	37.8	—	—	—	—	—	—
2037	Frozen fruits and vegetables	38.4	36.4	38.5	37.8	—	—	—	—	—	—
204	Grain mill products	42.1	41.6	43.8	43.4	(*)	5.0	4.4	6.3	5.5	—
2041	Flour and other grain mill products	44.0	44.1	46.0	45.8	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	41.7	41.3	43.3	42.7	—	—	—	—	—	—
205	Bakery products	38.9	39.2	38.6	39.0	38.8	3.0	3.1	3.2	3.2	—
2051	Bread, cake, and related products	38.6	39.1	38.4	38.7	—	—	—	—	—	—
2052	Cookies and crackers	39.7	39.7	39.3	40.1	—	—	—	—	—	—
206	Sugar	40.4	41.2	40.2	39.6	—	3.7	3.0	2.8	2.0	—
207	Confectionery and related products	39.8	38.1	38.8	39.9	39.7	2.8	1.7	2.5	2.5	—
2071	Confectionery products	39.4	38.1	37.8	39.2	—	—	—	—	—	—
208	Beverages	39.4	40.5	39.4	39.7	40.2	3.1	3.9	3.3	3.8	—
2082	Malt liquors	42.4	44.6	41.2	42.5	—	—	—	—	—	—
2088	Bottled and canned soft drinks	38.6	39.4	38.6	38.5	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	41.9	41.7	41.7	41.5	41.1	4.8	4.7	4.5	4.5	—
21	TOBACCO MANUFACTURES	38.3	38.1	38.5	37.8	37.5	1.0	1.2	1.6	1.5	—
211	Cigarettes	38.8	38.6	39.0	38.6	—	.9	1.4	1.8	1.7	—
212	Cigars	38.4	36.3	36.7	36.2	—	1.4	.8	.8	.6	—
22	TEXTILE MILL PRODUCTS	40.6	38.9	40.2	40.4	40.3	3.8	2.6	3.3	3.5	—
221	Weaving mills, cotton	42.0	39.5	40.3	40.8	40.5	4.9	2.9	3.5	3.8	—
222	Weaving mills, synthetics	41.3	38.9	40.5	40.3	(*)	4.3	2.6	3.2	3.3	—
223	Weaving and finishing mills, wool	41.6	40.0	40.8	40.3	40.8	3.8	2.7	3.0	3.2	—
224	Narrow fabric mills	41.2	39.8	39.6	40.1	40.1	3.4	3.0	2.9	3.1	—
225	Knitting mills	38.6	37.1	39.0	39.2	38.6	2.7	2.0	2.7	3.0	—
2251	Women's hosiery, except socks	36.7	35.2	38.1	37.1	—	—	—	—	—	—
2252	Hosiery, nec	38.2	36.4	38.3	38.1	—	—	—	—	—	—
2253	Knit outerwear mills	37.7	36.5	37.7	38.3	—	—	—	—	—	—
2254	Knit underwear mills	37.5	36.3	38.5	39.2	—	—	—	—	—	—
226	Textile finishing, except wool	41.5	39.4	40.6	41.3	(*)	4.5	2.9	3.8	4.0	—
227	Floor covering mills	40.9	40.1	41.4	41.7	—	3.5	2.7	4.1	4.0	—
228	Yarn and thread mills	40.2	39.2	40.4	40.9	(*)	3.5	2.7	3.4	3.8	—
229	Miscellaneous textile goods	42.3	40.6	42.0	41.6	41.0	4.1	3.0	4.2	3.9	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.2	34.8	35.3	35.5	35.0	1.4	.9	1.1	1.2	—
231	Men's and boys' suits and coats	36.5	34.9	35.8	35.4	(*)	1.2	.7	1.0	.8	—
232	Men's and boys' furnishings	37.0	35.7	35.5	35.2	35.0	1.2	.9	.9	1.0	—
2321	Men's and boys' shirts and nightwear	37.1	36.0	35.2	34.3	—	1.4	.8	1.0	.9	—
2327	Men's and boys' separate trousers	37.0	35.4	34.9	34.7	—	1.2	.8	.8	.9	—
2328	Men's and boys' work clothing	37.0	35.5	36.8	36.9	—	1.0	.8	1.2	1.2	—
233	Women's and misses' outerwear	34.3	32.7	33.6	34.1	33.4	1.3	.9	1.0	1.2	—
2331	Women's and misses' blouses and waists	34.6	32.9	33.9	34.4	—	—	—	—	—	—
2335	Women's and misses' dresses	33.7	32.1	32.8	33.6	—	1.1	.9	1.0	1.2	—
2337	Women's and misses' suits and coats	33.6	31.3	33.2	32.7	—	1.1	.7	.9	1.1	—
2339	Women's and misses' outerwear, nec	35.6	34.1	34.9	35.4	—	1.7	.9	1.2	1.5	—
234	Women's and children's undergarments	36.6	35.4	36.0	36.3	36.1	1.4	.7	.9	.9	—
2341	Women's and children's underwear	36.3	35.3	36.0	36.3	—	—	—	—	—	—
2342	Corsets and allied garments	37.9	35.6	35.7	36.3	—	—	—	—	—	—
235	Hats, caps, and millinery	37.4	36.8	37.2	37.1	—	1.0	1.3	1.6	1.4	—
236	Children's outerwear	36.5	34.6	36.3	36.2	34.7	1.7	1.0	1.3	1.4	—
2361	Children's dresses and blouses	35.4	33.6	35.4	35.1	—	—	—	—	—	—
237,8	Fur goods and miscellaneous apparel	36.4	35.2	36.6	36.4	—	1.3	.8	1.0	1.0	—
239	Miscellaneous fabricated textile products	37.9	37.1	37.2	38.1	37.7	1.9	1.4	1.3	1.8	—
2391,2	Housefurnishings	37.1	36.9	36.4	37.0	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	42.2	41.6	42.1	42.4	42.5	4.7	4.0	4.2	4.4	—
261,2,6	Paper and pulp mills	44.0	44.4	44.3	44.4	(*)	6.1	5.8	5.8	5.8	—
263	Paperboard mills	43.4	43.2	43.7	44.2	(*)	6.5	6.2	6.7	7.0	—
264	Miscellaneous converted paper products	41.2	40.1	40.7	41.0	(*)	3.5	2.7	3.1	3.4	—
2643	Bags, except textile bags	40.6	39.6	40.8	40.8	—	—	—	—	—	—
265	Paperboard containers and boxes	41.1	39.7	40.8	41.2	41.4	3.7	2.7	2.9	3.2	—
2651,2	Folding and setup paperboard boxes	40.5	39.5	40.7	40.7	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	41.2	39.6	41.0	41.5	—	3.8	3.2	3.2	3.6	—
2654	Sanitary food containers	42.0	39.8	39.9	40.7	—	—	—	—	—	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 P	Apr. 1977 P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 P	Apr. 1977 P
NONDURABLE GOODS—Continued											
PRINTING AND PUBLISHING											
27	PRINTING AND PUBLISHING	\$208.88	\$206.64	\$222.38	\$224.47	\$221.49	\$5.60	\$5.60	\$5.93	\$5.97	\$5.97
271	Newspapers	210.46	210.91	219.02	221.07	225.08	6.19	6.24	6.48	6.56	6.62
272	Periodicals	213.01	215.84	228.00	233.31	—	5.65	5.71	6.00	6.06	—
273	Books	184.89	180.98	201.49	204.23	—	4.79	4.75	5.22	5.21	—
275	Commercial printing	217.11	214.48	231.84	234.00	228.10	5.61	5.60	5.96	6.00	5.94
2751	Commercial printing, except lithographic	209.44	207.43	221.76	223.11	—	5.44	5.43	5.76	5.78	—
2752	Commercial printing, lithographic	228.90	226.14	248.61	252.01	—	5.93	5.92	6.31	6.38	—
278	Blankbooks and bookbinding	166.80	161.36	181.89	185.40	180.42	4.31	4.28	4.64	4.67	4.65
274,6,7,9	Other publishing and printing ind	213.16	208.32	230.68	230.44	226.95	5.58	5.57	5.93	5.97	6.02
CHEMICALS AND ALLIED PRODUCTS											
28	INDUSTRIAL CHEMICALS	236.55	240.61	256.47	258.96	261.25	5.70	5.77	6.18	6.21	6.25
281	Industrial chemicals	263.76	276.68	287.02	292.17	(*)	6.31	6.51	6.85	6.94	(*)
2812	Alkalies and chlorine	260.18	281.43	288.98	284.69	—	6.18	6.44	6.93	6.91	—
2818	Industrial organic chemicals, nec	290.28	308.42	309.01	320.63	—	6.83	7.09	7.34	7.58	—
2819	Industrial inorganic chemicals, nec	245.22	254.82	278.81	283.05	—	6.04	6.20	6.67	6.66	—
282	Plastics materials and synthetics	233.38	240.98	251.91	254.14	255.55	5.61	5.67	6.07	6.08	6.07
2821	Plastics materials and resins	252.74	253.43	270.57	273.94	—	5.81	5.88	6.22	6.24	—
2823,4	Synthetic fibers	212.78	223.86	227.03	227.37	—	5.28	5.33	5.69	5.67	—
283	Drugs	219.50	214.94	238.62	237.46	(*)	5.38	5.36	5.82	5.82	(*)
2834	Pharmaceutical preparations	214.20	209.08	234.11	232.56	—	5.25	5.24	5.71	5.70	—
284	Soap, cleaners, and toilet goods	223.99	217.06	243.76	242.19	245.03	5.49	5.44	5.96	5.98	6.05
2841	Soap and other detergents	284.13	279.07	324.11	319.37	—	6.83	6.84	7.52	7.55	—
2844	Toilet preparations	185.60	180.57	193.55	191.98	—	4.64	4.63	4.90	4.91	—
285	Paints and allied products	217.42	214.65	231.01	235.34	232.23	5.29	5.30	5.69	5.74	5.72
287	Agricultural chemicals	217.25	224.00	241.98	242.55	238.49	4.96	5.00	5.55	5.50	5.47
2871,2	Fertilizers, complete and mixing only	205.15	212.05	228.15	229.56	—	4.61	4.64	5.15	5.09	—
286,9	Other chemical products	220.71	220.04	236.08	240.77	(*)	5.37	5.38	5.73	5.76	(*)
2892	Explosives	215.20	219.30	231.13	231.39	—	5.34	5.31	5.61	5.63	—
PETROLEUM AND COAL PRODUCTS											
29	PETROLEUM REFINING	295.94	300.46	318.93	324.44	332.78	7.08	7.12	7.63	7.67	7.83
291	Petroleum refining	319.14	327.47	346.94	355.32	(*)	7.69	7.76	8.32	8.40	(*)
295,9	Other petroleum and coal products	224.80	220.60	232.96	236.73	236.17	5.24	5.24	5.56	5.57	5.57
RUBBER AND PLASTICS PRODUCTS, NEC											
30	Tires and inner tubes	185.64	177.30	207.74	207.65	207.77	4.55	4.50	5.03	5.04	5.08
301	Other rubber products	261.76	243.26	331.35	324.30	(*)	5.99	5.89	7.05	7.05	(*)
302,3,6	Rubber footwear	183.11	174.27	197.60	200.69	199.00	4.51	4.48	4.94	4.98	5.00
302	Rubber footwear	130.20	123.20	129.93	129.58	—	3.50	3.52	3.55	3.55	—
307	Miscellaneous plastics products	163.21	157.95	174.07	174.44	175.20	4.07	4.05	4.33	4.35	4.38
LEATHER AND LEATHER PRODUCTS											
31	Leather tanning and finishing	129.88	126.17	131.40	131.40	131.04	3.40	3.41	3.60	3.61	3.60
311	Leather tanning and finishing	186.59	181.20	181.74	183.85	184.39	4.54	4.53	4.66	4.69	4.68
314	Footwear, except rubber	124.15	120.25	123.86	123.88	124.20	3.25	3.25	3.45	3.47	3.45
312,3,5-7,9	Other leather products	125.29	121.34	132.83	131.71	128.87	3.35	3.38	3.59	3.55	3.56
316	Luggage	127.35	124.56	131.36	131.04	—	3.47	3.60	3.69	3.61	—
317	Handbags and personal leather goods	121.98	113.60	128.43	126.96	—	3.21	3.20	3.49	3.45	—
TRANSPORTATION AND PUBLIC UTILITIES											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ²	^c 291.72	303.21	324.24	(*)	—	^c 6.63	6.86	7.27	(*)	—
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	204.23	213.60	226.86	219.62	—	5.21	5.34	5.70	5.56	—
413	Intercity highway transportation ^{**}	244.30	260.95	262.96	263.47	—	6.48	6.64	6.92	6.97	—
TRUCKING AND WAREHOUSING											
42	Trucking and trucking terminals	249.77	250.90	269.58	269.06	—	6.26	6.32	6.64	6.66	—
421,3	Trucking and trucking terminals	255.60	256.71	276.35	276.08	—	6.39	6.45	6.79	6.80	—
422	Public warehousing	178.09	180.50	188.96	186.20	—	4.59	4.64	4.87	4.90	—
46	PIPE LINE TRANSPORTATION	302.41	303.88	339.06	351.90	—	7.34	7.34	8.17	8.28	—
COMMUNICATION											
48	TELEPHONE COMMUNICATION	236.16	238.46	262.15	261.62	—	6.15	6.13	6.62	6.64	—
481	Telephone communication	238.51	241.72	265.72	265.56	—	6.26	6.23	6.71	6.74	—
4817	Switchboard operating employees ³	170.50	185.30	196.04	189.33	—	5.23	5.34	5.80	5.72	—
4818	Line construction employees ⁴	300.30	299.04	337.98	337.33	—	7.15	7.12	7.86	7.90	—
482	Telegraph communication ⁵	257.92	252.77	(*)	(*)	—	6.20	6.15	(*)	(*)	—
483	Radio and television broadcasting	225.79	223.65	244.61	242.74	—	5.76	5.72	6.24	6.24	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	37.3	36.9	37.5	37.6	37.1	2.3	2.2	2.4	2.6	—
271	Newspapers	34.0	33.8	33.8	33.7	34.0	1.4	1.5	1.5	1.6	—
272	Periodicals	37.7	37.8	38.0	38.5	—	2.1	2.6	2.3	2.3	—
273	Books	38.6	38.1	38.6	39.2	—	2.9	2.7	2.9	3.1	—
275	Commercial printing	38.7	38.3	38.9	39.0	38.4	—	—	—	—	—
2751	Commercial printing, except lithographic	38.5	38.2	38.5	38.6	—	2.8	2.7	2.7	2.8	—
2752	Commercial printing, lithographic	38.6	38.2	39.4	39.5	—	3.0	2.7	3.2	3.5	—
278	Blankbooks and bookbinding	38.7	37.7	39.2	39.7	38.8	2.0	1.4	2.4	2.7	—
274,6,7,9	Other publishing and printing ind.	38.2	37.4	38.9	38.6	37.7	2.2	1.7	2.5	2.5	—
28	CHEMICALS AND ALLIED PRODUCTS	41.5	41.7	41.5	41.7	41.8	3.2	3.4	3.2	3.3	—
281	Industrial chemicals	41.8	42.5	41.9	42.1	(*)	3.3	4.3	3.4	3.5	—
2812	Alkalies and chlorine	42.1	43.7	41.7	41.2	—	—	—	—	—	—
2818	Industrial organic chemicals, nec.	42.5	43.5	42.1	42.3	—	3.5	5.4	3.3	3.2	—
2819	Industrial inorganic chemicals, nec.	40.6	41.1	41.8	42.5	—	2.8	3.4	3.4	3.6	—
282	Plastics materials and synthetics	41.6	42.5	41.5	41.8	42.1	3.0	3.2	2.9	3.1	—
2821	Plastics materials and resins	43.5	43.1	43.5	43.9	—	4.7	4.4	4.1	4.5	—
2823,4	Synthetic fibers	40.3	42.0	39.9	40.1	—	1.9	2.2	2.0	2.1	—
283	Drugs	40.8	40.1	41.0	40.8	(*)	2.5	2.0	3.1	2.9	—
2834	Pharmaceutical preparations	40.8	39.9	41.0	40.8	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	40.8	39.9	40.9	40.5	40.5	2.9	2.0	2.7	2.7	—
2841	Soap and other detergents	41.6	40.8	43.1	42.3	—	—	—	—	—	—
2844	Toilet preparations	40.0	39.0	39.5	39.1	—	—	—	—	—	—
285	Paints and allied products	41.1	40.5	40.6	41.0	40.6	3.2	2.6	2.6	3.0	—
287	Agricultural chemicals	43.8	44.8	43.6	44.1	43.6	6.0	6.7	5.4	6.1	—
2871,2	Fertilizers, complete and mixing only	44.5	45.7	44.3	45.1	—	—	—	—	—	—
286,9	Other chemical products	41.1	40.9	41.2	41.8	(*)	2.9	2.5	3.3	3.3	—
2892	Explosives	40.3	41.3	41.2	41.1	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	41.8	42.2	41.8	42.3	42.5	3.5	3.0	3.0	3.2	—
291	Petroleum refining	41.5	42.2	41.7	42.3	(*)	2.9	2.4	2.7	2.7	—
295,9	Other petroleum and coal products	42.9	42.1	41.9	42.5	42.4	5.3	4.7	3.8	4.5	—
30	RUBBER AND PLASTICS PRODUCTS, NEC	40.8	39.4	41.3	41.2	40.9	3.6	2.4	3.8	3.6	—
301	Tires and inner tubes	43.7	41.3	47.0	46.0	(*)	5.4	3.5	7.4	6.4	—
302,3,6	Other rubber products	40.6	38.9	40.0	40.3	39.8	3.2	1.9	2.8	3.0	—
302	Rubber footwear	37.2	35.0	36.6	36.5	—	1.0	1.0	1.3	1.0	—
307	Miscellaneous plastics products	40.1	39.0	40.2	40.1	40.0	3.2	2.4	3.1	3.0	—
31	LEATHER AND LEATHER PRODUCTS	38.2	37.0	36.5	36.4	36.4	2.3	1.6	1.5	1.6	—
311	Leather tanning and finishing	41.1	40.0	39.0	39.2	39.4	4.1	3.7	2.8	3.2	—
314	Footwear, except rubber	38.2	37.0	35.9	35.7	36.0	2.2	1.5	1.3	1.3	—
312,3,5-7,9	Other leather products	37.4	35.9	37.0	37.1	36.2	2.0	1.1	1.7	1.6	—
316	Luggage	36.7	34.6	35.6	36.3	—	1.9	1.2	1.9	1.9	—
317	Handbags and personal leather goods	38.0	35.5	36.8	36.8	—	2.4	.8	1.6	1.4	—
—	TRANSPORTATION AND PUBLIC UTILITIES	39.5	39.6	40.2	39.9	40.0	—	—	—	—	—
RAILROAD TRANSPORTATION:											
4011	Class I railroads ² ***	^c 44.0	44.2	44.6	(*)	—	—	—	—	—	—
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	39.2	40.0	39.8	39.5	—	—	—	—	—	—
413	Intercity highway transportation	37.7	39.3	38.0	37.8	—	—	—	—	—	—
42	TRUCKING AND WAREHOUSING	39.9	39.7	40.6	40.4	—	—	—	—	—	—
421,3	Trucking and trucking terminals	40.0	39.8	40.7	40.6	—	—	—	—	—	—
422	Public warehousing	38.8	38.9	38.8	38.0	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	41.2	41.4	41.5	42.5	—	—	—	—	—	—
48	COMMUNICATION	38.4	38.9	39.6	39.4	—	—	—	—	—	—
481	Telephone communication	38.1	38.8	39.6	39.4	—	—	—	—	—	—
4817	Switchboard operating employees ³	32.6	34.7	33.8	33.1	—	—	—	—	—	—
4818	Line construction employees ⁴	42.0	42.0	43.0	42.7	—	—	—	—	—	—
482	Telegraph communication ⁵	41.6	41.1	(*)	(*)	—	—	—	—	—	—
483	Radio and television broadcasting	39.2	39.1	39.2	38.9	—	—	—	—	—	—

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 P	Apr. 1977 P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 P	Apr. 1977 P
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$265.15	\$265.97	\$290.23	\$283.18	-	\$6.42	\$6.44	\$6.96	\$6.89	-
491	Electric companies and systems	268.69	268.32	292.03	288.56	-	6.49	6.45	7.02	6.97	-
492	Gas companies and systems	236.74	241.98	276.36	264.21	-	5.86	5.96	6.58	6.46	-
493	Combination companies and systems	299.17	298.69	317.18	308.56	-	7.14	7.18	7.68	7.60	-
494-7	Water, steam, and sanitary systems	210.01	216.41	239.28	228.80	-	5.16	5.24	5.63	5.54	-
-	WHOLESALE AND RETAIL TRADE	129.48	130.99	138.60	139.02	\$139.68	3.90	3.91	4.20	4.20	\$4.22
50	WHOLESALE TRADE	195.32	196.86	209.52	209.37	211.53	5.06	5.09	5.40	5.41	5.48
501	Motor vehicles and automotive equipment	177.06	179.08	185.25	188.85	-	4.53	4.58	4.75	4.83	-
502	Drugs, chemicals, and allied products	199.21	201.00	225.38	224.27	-	5.27	5.35	5.90	5.81	-
503	Dry goods and apparel	170.46	168.48	179.64	178.64	-	4.67	4.68	4.94	4.99	-
504	Groceries and related products	191.23	192.61	208.12	208.44	-	4.97	4.99	5.35	5.40	-
506	Electrical goods	215.07	214.73	220.02	217.62	-	5.35	5.45	5.57	5.58	-
507	Hardware, plumbing and heating equipment	185.96	191.59	194.16	198.78	-	4.83	4.90	5.03	5.11	-
508	Machinery, equipment, and supplies	213.70	215.42	230.22	230.58	-	5.41	5.44	5.77	5.75	-
509	Miscellaneous wholesalers	191.52	193.29	206.50	205.80	-	5.08	5.09	5.42	5.43	-
52-59	RETAIL TRADE	109.97	112.35	117.69	118.06	118.76	3.48	3.50	3.76	3.76	3.77
53	Retail general merchandise	103.46	105.74	109.07	111.23	-	3.36	3.39	3.71	3.72	-
531	Department stores	105.10	108.06	112.03	115.53	-	3.48	3.51	3.89	3.89	-
532	Mail order houses	139.36	141.20	143.36	147.03	-	4.16	4.19	4.48	4.51	-
533	Variety stores	82.29	84.56	84.68	82.37	-	2.78	2.79	2.91	2.89	-
54	Food stores	135.36	137.05	145.78	145.96	-	4.23	4.23	4.57	4.59	-
541-3	Grocery, meat, and vegetable stores	139.10	141.16	149.91	150.55	-	4.32	4.33	4.67	4.69	-
56	Apparel and accessory stores	91.73	96.98	96.90	96.94	-	3.11	3.19	3.33	3.32	-
561	Men's and boys' clothing and furnishings	113.40	121.66	121.79	121.66	-	3.59	3.79	3.83	3.79	-
562	Women's ready-to-wear stores	82.94	85.85	84.28	83.42	-	2.88	2.91	3.01	2.99	-
565	Family clothing stores	87.62	93.62	99.53	100.26	-	2.97	3.01	3.34	3.32	-
566	Shoe stores	90.76	98.83	98.33	97.92	-	3.23	3.35	3.45	3.46	-
57	Furniture and home furnishings stores	147.08	149.09	150.65	151.43	-	4.11	4.12	4.22	4.23	-
571	Furniture and home furnishings	148.93	152.40	154.22	156.52	-	4.16	4.20	4.32	4.36	-
58	Eating and drinking places ⁶	70.10	71.40	77.79	77.81	-	2.54	2.55	2.86	2.85	-
52,55,59	Other retail trade	138.60	141.99	147.02	147.33	-	3.84	3.89	4.05	4.07	-
52	Building materials and farm equipment	152.88	156.02	164.22	166.66	-	3.91	3.95	4.20	4.23	-
551,2	Motor vehicle dealers	185.57	192.46	193.26	198.97	-	4.71	4.85	4.93	5.05	-
553,9	Other automotive and accessory dealers	154.05	159.18	169.26	166.83	-	3.93	4.03	4.20	4.15	-
591	Drug stores and proprietary stores	102.11	103.12	107.10	106.70	-	3.37	3.37	3.50	3.51	-
594	Book and stationery stores	119.19	119.57	123.83	124.86	-	3.59	3.58	3.81	3.83	-
598	Fuel and ice dealers	178.70	177.80	206.42	186.12	-	4.49	4.49	4.95	4.76	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	156.88	158.84	165.88	165.07	165.43	4.31	4.34	4.52	4.51	4.52
60	Banking	132.13	133.22	139.81	138.28	-	3.65	3.66	3.82	3.82	-
61	Credit agencies other than banks	141.72	142.46	150.35	150.00	-	3.82	3.84	4.02	4.00	-
612	Savings and loan associations	138.70	139.83	143.52	143.54	-	3.80	3.81	3.90	3.89	-
62	Security, commodity brokers and services	289.11	298.68	291.42	(*)	-	7.49	7.60	7.73	(*)	-
63	Insurance carriers	166.73	167.77	176.06	176.43	-	4.47	4.51	4.72	4.73	-
631	Life insurance	165.10	165.31	172.98	172.42	-	4.45	4.48	4.65	4.66	-
632	Accident and health insurance	158.46	161.45	171.45	171.76	-	4.17	4.26	4.50	4.52	-
633	Fire, marine, and casualty insurance	170.46	171.21	178.45	179.79	-	4.57	4.59	4.81	4.82	-

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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.3	41.3	41.7	41.1	-	-	-	-	-	
491	Electric companies and systems	41.4	41.6	41.6	41.4	-	-	-	-	-	
492	Gas companies and systems	40.4	40.6	42.0	40.9	-	-	-	-	-	
493	Combination companies and systems	41.9	41.6	41.3	40.6	-	-	-	-	-	
494-7	Water, steam, and sanitary systems	40.7	41.3	42.5	41.3	-	-	-	-	-	
-	WHOLESALE AND RETAIL TRADE	33.2	33.5	33.0	33.1	33.1	-	-	-	-	
50	WHOLESALE TRADE	38.6	38.6	38.8	38.7	38.6	-	-	-	-	
501	Motor vehicles and automotive equipment	39.0	39.1	39.0	39.1	-	-	-	-	-	
502	Drugs, chemicals, and allied products	37.8	37.5	38.2	38.6	-	-	-	-	-	
503	Dry goods and apparel	36.5	36.0	36.0	35.8	-	-	-	-	-	
504	Groceries and related products	38.4	38.6	38.9	38.6	-	-	-	-	-	
506	Electrical goods	40.2	39.4	39.5	39.0	-	-	-	-	-	
507	Hardware; plumbing and heating equipment	38.5	39.1	38.6	38.9	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.5	39.6	39.9	40.1	-	-	-	-	-	
509	Miscellaneous wholesalers	37.7	37.9	38.1	37.9	-	-	-	-	-	
52-59	RETAIL TRADE	31.6	32.1	31.3	31.4	31.5	-	-	-	-	
53	Retail general merchandise	30.7	31.1	29.4	29.9	-	-	-	-	-	
531	Department stores	30.2	30.7	28.8	29.7	-	-	-	-	-	
532	Mail order houses	33.5	33.7	32.0	32.6	-	-	-	-	-	
533	Variety stores	29.6	30.2	29.1	28.5	-	-	-	-	-	
54	Food stores	32.0	32.4	31.9	31.8	-	-	-	-	-	
541-3	Grocery, meat, and vegetable stores	32.2	32.6	32.1	32.1	-	-	-	-	-	
56	Apparel and accessory stores	29.4	30.4	29.1	29.2	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.5	32.1	31.8	32.1	-	-	-	-	-	
562	Women's ready-to-wear stores	28.8	29.5	28.0	27.9	-	-	-	-	-	
565	Family clothing stores	29.5	31.0	29.8	30.2	-	-	-	-	-	
566	Shoe stores	28.1	29.5	28.5	28.3	-	-	-	-	-	
57	Furniture and home furnishings stores	35.7	36.1	35.7	35.8	-	-	-	-	-	
571	Furniture and home furnishings	35.8	36.2	35.7	35.9	-	-	-	-	-	
58	Eating and drinking places ⁶	27.6	28.0	27.2	27.3	-	-	-	-	-	
52,55,59	Other retail trade	36.0	36.5	36.3	36.2	-	-	-	-	-	
52	Building materials and farm equipment	39.0	39.4	39.1	39.4	-	-	-	-	-	
551,2	Motor vehicle dealers	39.4	39.6	39.2	39.4	-	-	-	-	-	
.553,9	Other automotive and accessory dealers	39.1	39.4	40.3	40.2	-	-	-	-	-	
591	Drug stores and proprietary stores	30.3	30.6	30.6	30.4	-	-	-	-	-	
594	Book and stationery stores	33.2	33.4	32.5	32.6	-	-	-	-	-	
598	Fuel and ice dealers	39.8	39.6	41.7	39.1	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.4	36.6	36.7	36.6	36.6	-	-	-	-	
60	Banking	36.2	36.4	36.6	36.2	-	-	-	-	-	
61	Credit agencies other than banks	37.1	37.1	37.4	37.5	-	-	-	-	-	
612	Savings and loan associations	36.5	36.7	36.8	36.9	-	-	-	-	-	
62	Security, commodity brokers and services	38.6	39.3	37.7	(*)	-	-	-	-	-	
63	Insurance carriers	37.3	37.2	37.3	37.3	-	-	-	-	-	
631	Life insurance	37.1	36.9	37.2	37.0	-	-	-	-	-	
632	Accident and health insurance	38.0	37.9	38.1	38.0	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.3	37.3	37.1	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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
-	SERVICES	\$142.52	\$143.19	\$153.97	\$153.38	\$154.51	\$4.28	\$4.30	\$4.61	\$4.62	\$4.64
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	92.63	93.85	98.25	97.93	-	2.95	2.97	3.19	3.19	-
	Personal services:										
721	Laundries and dry cleaning plants	110.40	112.70	119.02	120.40	-	3.19	3.21	3.43	3.44	-
722	Photographic studios	111.88	114.92	119.07	119.70	-	3.37	3.41	3.78	3.80	-
	Motion pictures:										
781	Motion picture filming and distributing ...	260.12	257.68	276.71	273.29	-	6.36	6.41	6.97	7.08	-
806	Hospitals	139.47	140.83	151.53	153.00	-	4.09	4.13	4.47	4.50	-

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

² Beginning January 1976, data relate to line haul railroads with operating revenues of \$10,000,000 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 strictly comparable with previously published data due to change in pay practices of a large employer.

* Not available.

** January 1977 corrected data for Intercity highway transportation (SIC 413) are: average weekly earnings, \$281.75 and average hourly earnings \$6.98.

Data for class I railroads (SIC 4011) are: \$311.47 and 43.2.

c=corrected

p=preliminary

**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				
		Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^P	Apr. 1977 ^P
-	SERVICES	33.3	33.3	33.4	33.2	33.3	-	-	-	-	-
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	31.4	31.6	30.8	30.7	-	-	-	-	-	-
	Personal services:										
721	Laundries and dry cleaning plants	34.5	35.0	34.7	35.0	-	-	-	-	-	
722	Photographic studios	33.2	33.7	31.5	31.5	-	-	-	-	-	
	Motion pictures:										
781	Motion picture filming and distributing ...	40.9	40.2	39.7	38.6	-	-	-	-	-	
806	Hospitals	34.1	34.1	33.9	34.0	-	-	-	-	-	

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	1976												1977
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Executive Branch													
Total employment	2,675.6	2,677.6	2,675.4	2,681.2	2,686.0	2,707.8	2,724.1	2,704.2	2,668.0	2,661.1	2,670.3	2,674.4	2,645.8
Average weekly hours	39.3	39.3	39.1	39.2	39.2	39.3	39.6	39.4	39.3	39.9	39.6	40.4	39.4
Average overtime hours	1.0	.9	.9	.8	.9	.9	1.0	1.0	1.1	1.4	1.2	2.0	1.0
Indexes (1967=100):													
Average weekly earnings	195.2	195.2	193.9	195.5	196.6	195.7	196.1	196.5	199.5	209.7	208.6	215.9	208.9
Average hourly earnings	195.7	195.7	195.4	196.5	197.6	196.2	195.1	196.5	200.0	207.0	207.6	210.5	208.9
Department of Defense													
Total employment	941.1	937.1	934.1	930.7	930.2	936.7	938.5	929.3	917.2	918.0	920.4	919.6	918.4
Average weekly hours	39.9	39.9	39.6	39.8	39.8	40.0	40.1	40.0	39.9	39.9	40.2	40.0	39.9
Average overtime hours . . . . .	.6	.6	.5	.5	.6	.7	.6	.7	.9	.8	.8	.7	.7
Indexes (1967=100):													
Average weekly earnings	189.7	190.2	189.0	191.1	-	191.2	188.2	191.5	195.1	201.5	204.4	203.7	202.3
Average hourly earnings	191.6	192.1	192.4	193.5	-	192.6	189.1	192.9	197.0	203.5	204.9	205.2	204.4
Postal service													
Total employment	677.9	677.0	672.3	670.3	670.6	672.8	670.7	667.8	662.8	657.9	664.9	685.7	650.0
Average weekly hours	39.9	39.5	39.4	39.2	39.3	39.0	39.7	39.4	39.6	42.1	40.6	43.8	40.4
Average overtime hours	1.6	1.2	1.1	1.0	1.1	.9	1.0	1.1	1.4	2.9	2.2	5.5	1.9
Indexes (1967=100):													
Average weekly earnings	221.5	218.4	217.5	219.8	223.2	220.9	224.5	223.8	226.8	243.7	237.6	267.8	240.0
Average hourly earnings	214.3	213.4	213.1	216.5	219.2	218.6	218.3	219.2	221.0	223.5	225.9	236.0	229.3
Other agencies													
Total employment	1,056.6	1,063.5	1,069.0	1,080.2	1,085.2	1,098.3	1,114.9	1,107.1	1,088.0	1,085.2	1,085.0	1,069.1	1,077.4
Average weekly hours	38.5	38.6	38.6	38.7	38.7	38.9	39.1	38.9	38.6	38.7	38.6	38.4	38.2
Average overtime hours	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.0	.9	.8
Indexes (1967=100):													
Average weekly earnings	186.4	-	185.9	185.7	186.2	185.4	187.3	185.6	188.6	199.0	197.5	197.4	197.2
Average hourly earnings	187.9	-	186.9	186.1	186.6	184.9	185.9	185.1	189.6	199.5	198.5	199.5	200.2

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 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				
	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
MANUFACTURING	\$4.88	\$4.92	\$5.24	\$5.28	\$5.31
DURABLE GOODS	5.24	5.26	5.57	5.62	5.65
Ordnance and accessories	5.39	5.47	5.88	5.94	-
Lumber and wood products	4.31	4.34	4.70	4.68	-
Furniture and fixtures	3.80	3.82	4.06	4.08	-
Stone, clay, and glass products	4.89	4.97	5.28	5.30	-
Primary metal industries	6.39	6.52	6.78	6.85	-
Fabricated metal products	5.13	5.13	5.37	5.42	-
Machinery, except electrical	5.45	5.47	5.78	5.79	-
Electrical equipment and supplies	4.67	4.67	5.02	5.04	-
Transportation equipment	6.15	6.12	6.58	6.68	-
Instruments and related products	4.65	4.66	4.95	4.95	-
Miscellaneous manufacturing industries	3.84	3.87	4.14	4.17	-
NONDURABLE GOODS	4.39	4.44	4.75	4.77	4.81
Food and kindred products	4.63	4.68	4.99	5.01	-
Tobacco manufactures	4.94	5.04	5.26	5.35	-
Textile mill products	3.41	3.41	3.69	3.69	-
Apparel and other textile products	3.31	3.33	3.49	3.52	-
Paper and allied products	4.98	5.02	5.42	5.43	-
Printing and publishing	(²)	(²)	(²)	(²)	-
Chemicals and allied products	5.48	5.55	5.95	5.97	-
Petroleum and coal products	6.79	6.88	7.36	7.39	-
Rubber and plastics products, nec	4.36	4.37	4.81	4.83	-
Leather and leather products	3.30	3.34	3.53	3.53	-

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 workers ¹
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			Married worker with 3 dependents		
	Mar. 1976	Feb. 1977	Mar. 1977 P	Mar. 1976	Feb. 1977	Mar. 1977 P	Mar. 1976	Feb. 1977	Mar. 1977 P
TOTAL PRIVATE:									
Current dollars	\$170.88	\$182.73	\$183.45	\$140.00	\$148.55	\$149.07	\$152.35	\$161.34	\$161.88
1967 dollars	102.02	103.18	102.95	83.58	83.88	83.65	90.96	91.10	90.84
MINING:									
Current dollars	265.44	292.71	294.50	208.80	228.07	229.24	224.17	244.95	246.31
1967 dollars	158.47	165.28	165.26	124.66	128.78	128.64	133.83	138.31	138.22
CONTRACT CONSTRUCTION:									
Current dollars	269.54	288.41	287.31	211.73	225.22	224.43	227.34	241.70	240.87
1967 dollars	160.92	162.85	161.23	126.41	127.17	125.94	135.73	136.48	135.17
MANUFACTURING:									
Current dollars	202.80	216.66	220.70	163.01	173.33	176.35	176.42	186.84	189.88
1967 dollars	121.07	122.34	123.85	97.32	97.87	98.96	105.33	105.50	106.55
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	248.46	270.95	268.13	196.66	212.74	210.72	211.06	228.43	226.25
1967 dollars	148.33	152.99	150.47	117.41	120.12	118.25	126.01	128.98	126.96
WHOLESALE AND RETAIL TRADE:									
Current dollars	129.48	138.60	139.02	109.14	116.00	116.31	121.91	128.80	129.08
1967 dollars	77.30	78.26	78.01	65.16	65.50	65.27	78.78	72.73	72.44
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	156.88	165.88	165.07	129.74	136.39	135.81	141.55	148.50	147.87
1967 dollars	93.66	93.66	92.63	77.46	77.01	76.21	84.51	83.85	82.98
SERVICES:									
Current dollars	142.52	153.97	153.38	118.94	127.55	127.11	131.47	139.29	138.87
1967 dollars	85.09	86.94	86.07	71.01	72.02	71.33	78.49	78.65	77.93
CONSUMER PRICE INDEX (All items, 1967 = 100)	167.5	177.1	178.2	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	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
	Hours				
TOTAL	108.1	109.5	110.5	111.9	113.4
GOODS-PRODUCING	92.8	93.3	93.9	96.5	98.0
MINING	121.2	122.8	130.7	135.1	137.1
CONTRACT CONSTRUCTION	89.4	98.9	89.4	95.9	104.3
MANUFACTURING	92.5	91.3	93.5	95.2	95.6
DURABLE GOODS	90.8	89.9	92.8	95.2	95.6
Ordnance and accessories	41.2	39.4	38.8	39.0	40.2
Lumber and wood products	91.7	94.0	98.6	99.2	100.6
Furniture and fixtures	101.3	100.1	100.2	103.8	103.0
Stone, clay, and glass products	93.1	96.5	91.5	98.1	101.0
Primary metal industries	85.2	86.5	84.5	87.8	89.6
Fabricated metal products	95.4	93.6	97.4	99.7	100.3
Machinery, except electrical	93.8	91.6	98.2	98.7	98.3
Electrical equipment and supplies	89.0	87.7	94.1	94.7	94.9
Transportation equipment	89.1	86.8	88.4	93.9	94.1
Instruments and related products	105.5	104.5	111.2	110.2	108.6
Miscellaneous manufacturing	92.1	90.8	91.9	92.7	92.0
NONDURABLE GOODS	94.9	93.2	94.5	95.4	95.5
Food and kindred products	89.1	88.5	90.3	90.6	89.7
Tobacco manufactures	77.1	74.7	78.2	71.8	70.5
Textile mill products	98.3	94.8	97.0	98.5	99.3
Apparel and other textile products	92.7	88.6	86.9	88.2	86.9
Paper and allied products	94.4	93.6	95.6	96.8	98.4
Printing and publishing	92.5	91.6	93.5	94.1	92.8
Chemicals and allied products	98.9	99.9	100.3	101.4	102.9
Petroleum and coal products	109.3	112.3	107.7	111.6	117.9
Rubber and plastics products, nec	120.2	117.6	129.3	130.0	130.7
Leather and leather products	78.5	76.6	70.6	71.0	71.6
SERVICE-PRODUCING	118.7	120.8	122.0	122.7	124.1
TRANSPORTATION AND PUBLIC UTILITIES	100.4	101.0	102.1	102.0	102.5
WHOLESALE AND RETAIL TRADE	114.0	117.0	116.1	117.1	118.7
WHOLESALE TRADE	111.5	112.1	114.7	114.9	115.5
RETAIL TRADE	114.8	119.0	116.6	117.9	119.9
FINANCE, INSURANCE, AND REAL ESTATE	124.0	125.4	128.8	129.2	130.3
SERVICES	132.0	133.7	137.1	137.9	139.7

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	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p	Apr. 1977 ^p
	Payrolls				
TOTAL	192.0	195.4	209.9	213.7	217.9
GOODS-PRODUCING	167.6	169.3	180.9	187.5	192.0
MINING	239.1	243.7	277.1	286.8	292.7
CONTRACT CONSTRUCTION	163.9	180.3	171.2	183.2	198.8
MANUFACTURING	165.7	163.6	179.6	184.8	186.4
DURABLE GOODS	164.2	162.1	178.8	185.5	187.2
Ordnance and accessories	71.9	69.1	73.8	75.2	77.5
Lumber and wood products	174.5	179.6	204.6	204.8	208.5
Furniture and fixtures	170.1	168.1	179.1	186.5	185.2
Stone, clay, and glass products	168.8	178.1	179.7	193.9	201.0
Primary metal industries	169.0	175.2	178.7	187.5	193.4
Fabricated metal products	170.6	165.7	182.3	188.9	191.1
Machinery, except electrical	166.4	161.3	185.4	186.9	186.6
Electrical equipment and supplies	154.0	150.6	175.3	177.1	179.0
Transportation equipment	167.1	159.5	176.8	192.7	192.5
Instruments and related products	177.1	175.0	198.9	197.1	194.3
Miscellaneous manufacturing	155.3	152.7	166.3	168.8	167.6
NONDURABLE GOODS	168.3	166.2	181.0	183.6	185.0
Food and kindred products	163.6	163.7	178.5	179.6	179.5
Tobacco manufactures	170.4	168.5	185.1	172.8	173.3
Textile mill products	170.6	162.4	181.0	184.1	186.8
Apparel and other textile products	153.9	147.3	151.8	155.2	152.8
Paper and allied products	172.6	171.5	189.4	192.6	197.5
Printing and publishing	157.8	156.5	169.1	171.5	169.1
Chemicals and allied products	181.5	185.7	199.8	203.0	207.1
Petroleum and coal products	216.2	223.5	229.7	239.3	258.1
Rubber and plastics products, nec	199.1	192.8	236.7	238.7	241.7
Leather and leather products	129.2	126.5	123.1	124.0	124.5
SERVICE-PRODUCING	213.0	217.8	234.9	236.2	240.1
TRANSPORTATION AND PUBLIC UTILITIES	195.4	198.4	212.8	211.9	214.9
WHOLESALE AND RETAIL TRADE	198.0	204.0	217.0	218.9	223.2
WHOLESALE TRADE	196.3	198.7	215.2	216.0	219.8
RETAIL TRADE	198.8	207.3	218.0	220.5	225.0
FINANCE, INSURANCE, AND REAL ESTATE	206.8	210.5	225.4	225.4	228.2
SERVICES	246.6	251.2	276.2	278.6	283.1

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	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
TOTAL PRIVATE	36.1	36.3	36.1	36.1	36.1	36.0	36.1	36.2	36.2	35.8	36.3	36.2	36.2
MINING	42.8	42.4	42.2	42.6	41.2	43.5	43.3	43.3	43.7	42.9	43.6	44.2	43.7
CONTRACT CONSTRUCTION	37.4	37.1	37.3	36.9	36.8	35.9	37.3	37.4	37.3	35.4	37.8	36.9	37.1
MANUFACTURING	39.4	40.3	40.2	40.1	40.0	39.7	39.9	40.1	40.0	39.5	40.3	40.4	40.2
Overtime hours	2.6	3.3	3.2	3.1	3.0	3.0	2.9	3.1	3.2	3.2	3.3	3.3	3.4
DURABLE GOODS	39.8	40.9	40.9	40.9	40.8	40.2	40.5	40.8	40.5	40.0	40.8	41.0	40.8
Overtime hours	2.5	3.4	3.4	3.3	3.1	3.0	3.0	3.2	3.3	3.4	3.3	3.4	3.6
Ordnance and accessories	39.7	40.8	41.1	40.9	40.7	40.1	40.6	40.6	41.0	40.5	40.6	40.6	41.3
Lumber and wood products	40.0	40.1	39.8	40.6	40.2	39.8	40.3	40.3	40.3	39.9	40.5	40.1	39.7
Furniture and fixtures	38.4	39.0	38.6	38.6	38.5	38.0	38.4	38.6	38.6	37.0	38.1	38.7	38.3
Stone, clay, and glass products	41.1	41.4	41.4	41.0	41.1	40.9	41.4	41.2	41.2	39.9	41.4	41.3	41.7
Primary metal industries	40.6	41.0	41.2	41.2	40.9	40.3	40.2	40.3	40.1	40.0	40.6	41.2	41.3
Fabricated metal products	39.6	41.0	41.0	41.0	41.0	40.6	40.4	40.8	40.5	39.9	40.8	41.0	40.8
Machinery, except electrical	40.2	41.2	41.2	41.5	41.4	40.8	41.2	41.5	41.2	40.6	41.3	41.5	41.3
Electrical equipment and supplies	39.1	40.2	40.1	40.1	40.1	39.7	40.0	40.3	40.2	39.4	40.6	40.3	40.0
Transportation equipment	39.8	42.4	42.5	42.0	41.9	41.1	41.2	42.0	41.1	41.4	41.4	42.8	42.3
Instruments and related products	39.6	40.8	40.5	40.8	40.4	39.9	40.3	40.4	40.7	39.8	40.8	40.3	40.4
Miscellaneous manufacturing, Ind.	38.0	38.7	38.5	38.8	38.5	38.2	38.7	39.0	38.9	38.2	39.5	39.3	38.6
NONDURABLE GOODS	38.9	39.5	39.3	39.1	38.9	39.0	39.1	39.2	39.3	38.7	39.6	39.5	39.4
Overtime hours	2.8	3.1	2.9	2.9	2.8	2.9	2.8	3.0	3.1	3.0	3.2	3.1	3.2
Food and kindred products	40.1	40.2	40.1	40.0	40.1	40.2	40.3	40.4	40.1	39.5	40.3	40.2	40.1
Tobacco manufactures	38.6	38.6	38.3	35.0	36.8	37.1	37.5	36.9	37.5	36.1	39.4	38.5	38.0
Textile mill products	39.3	40.6	40.3	40.2	39.3	39.0	39.4	39.8	40.1	39.7	40.5	40.7	40.7
Apparel and other textile products	34.9	36.0	35.8	35.5	35.2	34.9	35.0	35.1	35.3	34.2	35.7	35.6	35.1
Paper and allied products	42.1	42.8	42.4	42.3	42.1	42.2	42.1	42.4	42.6	41.9	42.7	42.8	43.0
Printing and publishing	37.2	37.6	37.5	37.7	37.5	37.4	37.5	37.6	37.7	37.4	37.9	37.7	37.4
Chemicals and allied products	41.7	41.6	41.5	41.4	41.3	41.9	41.6	41.7	41.7	41.6	41.7	41.8	41.8
Petroleum and coal products	42.2	42.2	42.0	42.2	42.3	42.2	42.0	41.9	42.5	42.3	42.5	42.7	42.5
Rubber and plastics products, nec	39.6	40.7	40.3	40.3	40.0	40.5	41.1	41.2	41.5	40.9	41.4	41.2	41.1
Leather and leather products	37.7	38.2	37.0	37.0	36.7	36.5	36.4	36.4	36.5	35.3	36.7	36.5	37.1
TRANSPORTATION AND PUBLIC UTILITIES	39.8	39.7	39.8	39.8	40.0	39.9	39.8	40.2	40.5	39.8	40.5	40.3	40.2
WHOLESALE AND RETAIL TRADE	33.9	33.7	33.5	33.6	33.6	33.6	33.5	33.4	33.6	33.2	33.4	33.5	33.5
WHOLESALE TRADE	38.9	38.8	38.8	39.1	38.9	38.8	38.7	38.7	38.6	38.7	39.1	38.9	38.9
RETAIL TRADE	32.5	32.2	31.9	32.0	32.0	32.1	32.0	31.9	32.2	31.6	31.8	31.9	31.9
FINANCE, INSURANCE, AND REAL ESTATE	36.6	36.8	36.6	36.6	36.8	36.7	36.7	36.7	36.7	36.8	36.6	36.7	36.6
SERVICES	33.5	33.6	33.4	33.4	33.5	33.6	33.5	33.5	33.5	33.5	33.6	33.4	33.5

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	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
	Average hourly earnings												
TOTAL PRIVATE	\$4.79	\$4.84	\$4.85	\$4.88	\$4.91	\$4.92	\$4.95	\$5.00	\$5.02	\$5.07	\$5.09	\$5.12	\$5.16
MINING	6.32	6.36	6.33	6.44	6.34	6.60	6.62	6.62	6.67	6.67	6.72	6.77	6.80
CONTRACT CONSTRUCTION	7.57	7.66	7.68	7.77	7.74	7.71	7.76	7.81	7.82	7.82	7.88	7.88	7.91
MANUFACTURING	5.08	5.13	5.16	5.21	5.25	5.29	5.29	5.34	5.38	5.43	5.43	5.50	5.53
TRANSPORTATION AND PUBLIC UTILITIES	6.38	6.44	6.47	6.48	6.52	6.54	6.58	6.62	6.64	6.69	6.74	6.76	6.81
WHOLESALE AND RETAIL TRADE	3.91	3.94	3.95	3.98	4.00	4.03	4.05	4.08	4.11	4.15	4.18	4.19	4.22
FINANCE, INSURANCE, AND REAL ESTATE	4.33	4.36	4.34	4.37	4.43	4.39	4.43	4.42	4.43	4.51	4.48	4.50	4.51
SERVICES	4.30	4.34	4.36	4.35	4.39	4.39	4.43	4.48	4.50	4.58	4.58	4.61	4.64
	Average weekly earnings												
TOTAL PRIVATE:													
Current dollars	172.92	175.69	175.09	176.17	177.25	177.12	178.70	181.00	181.72	181.51	184.77	185.34	186.79
1967 dollars	102.68	103.65	102.87	103.02	103.17	102.74	103.29	104.32	104.32	103.37	104.21	103.89	-
Real spendable earnings (worker and 3 dependents, 1967 dollars)	91.41	92.06	91.42	91.47	91.51	91.14	91.51	92.24	92.18	91.36	91.86	91.54	-

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	1976									1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P	Apr.P
TOTAL	111.5	112.0	111.6	111.8	111.8	112.2	112.2	112.8	113.3	112.3	114.2	115.0	115.4
GOODS-PRODUCING	95.6	97.2	96.8	96.5	95.7	95.9	96.0	97.2	96.9	95.2	98.3	99.8	100.4
MINING	125.9	124.7	125.0	127.7	115.6	131.7	131.1	132.6	134.0	130.7	134.6	140.4	140.4
CONTRACT CONSTRUCTION	105.0	104.0	104.0	103.7	102.5	99.4	104.2	105.7	104.3	96.4	105.9	107.0	110.6
MANUFACTURING	93.0	95.1	94.6	94.2	93.9	94.0	93.2	94.5	94.4	93.8	95.7	97.2	97.3
DURABLE GOODS	90.9	94.0	93.8	93.5	93.6	93.2	92.0	93.8	93.6	93.2	94.8	96.9	96.6
Ordnance and accessories	39.9	41.0	40.7	40.0	39.8	38.6	38.5	38.5	39.5	39.0	39.1	39.1	40.9
Lumber and wood products	96.0	96.6	96.1	98.6	97.6	98.2	99.4	100.8	101.9	101.1	103.0	103.6	102.7
Furniture and fixtures	102.7	105.1	103.3	102.3	101.2	102.4	102.2	102.8	103.5	98.5	102.7	106.1	106.0
Stone, clay, and glass products	98.6	99.5	99.7	99.2	98.6	98.9	99.7	100.2	99.1	96.1	97.1	101.5	103.3
Primary metal industries	86.8	88.3	89.2	90.1	89.8	88.8	86.2	85.7	85.0	84.8	85.5	88.7	89.9
Fabricated metal products	94.9	98.7	98.4	98.0	98.6	98.6	96.5	98.1	98.1	97.6	100.0	101.6	101.5
Machinery, except electrical	91.7	94.9	94.5	95.9	95.9	95.9	94.0	96.7	96.0	95.7	97.7	98.2	98.3
Electrical equipment and supplies	89.0	92.2	91.9	90.5	92.2	91.5	92.1	93.4	93.1	91.7	95.5	96.2	96.2
Transportation equipment	96.9	92.8	92.6	90.3	90.7	89.1	86.1	91.5	90.6	93.3	91.3	96.7	94.3
Instruments and related products	105.7	109.6	109.1	110.3	108.1	107.2	107.9	108.5	110.4	108.9	112.4	111.3	109.9
Miscellaneous manufacturing, Ind.	93.1	95.4	94.7	93.1	91.8	92.2	92.0	92.1	91.6	93.1	96.8	95.7	94.3
NONDURABLE GOODS	96.0	96.6	95.8	95.2	94.2	95.2	95.0	95.4	95.5	94.7	97.1	97.6	98.2
Food and kindred products	96.1	96.6	96.8	97.0	96.5	96.4	96.2	96.6	95.5	95.1	97.5	97.6	97.5
Tobacco manufactures	85.4	85.4	83.4	82.3	84.0	82.1	83.0	81.6	81.6	76.1	83.0	79.8	80.1
Textile mill products	96.1	99.9	98.6	98.0	95.5	95.2	95.0	95.6	96.1	95.4	97.9	99.4	100.5
Apparel and other textile products	89.3	92.0	91.4	88.9	87.6	86.2	85.7	86.1	86.3	84.1	88.0	88.1	87.5
Paper and allied products	95.9	98.1	97.3	96.9	96.1	96.5	95.7	97.0	97.2	96.2	98.0	98.6	100.6
Printing and publishing	92.3	93.6	93.1	93.6	92.9	93.1	93.4	93.6	93.7	93.0	94.8	94.5	93.6
Chemicals and allied products	100.1	100.0	99.0	99.4	99.8	100.3	99.4	100.0	100.0	100.4	101.8	102.1	103.2
Petroleum and coal products	115.6	113.9	111.6	112.2	112.4	112.2	112.5	113.1	114.7	115.0	114.7	117.0	120.8
Rubber and plastics products, nec	121.3	108.8	107.0	106.2	105.2	124.3	125.6	125.7	127.6	127.7	129.6	131.9	134.6
Leather and leather products	78.4	79.8	76.0	74.7	72.5	72.1	71.0	70.4	70.5	69.1	71.1	71.8	73.3
SERVICE-PRODUCING	122.6	122.3	121.8	122.5	123.0	123.6	123.5	123.5	124.6	124.1	125.3	125.6	125.9
TRANSPORTATION AND PUBLIC UTILITIES	102.4	101.9	101.6	102.1	102.5	102.9	102.0	103.2	105.0	102.7	104.4	104.0	104.0
WHOLESALE AND RETAIL TRADE	119.8	118.9	118.1	118.9	119.0	119.7	119.3	118.9	120.0	119.1	120.7	121.4	121.5
WHOLESALE TRADE	114.3	114.3	114.1	115.3	114.7	114.9	114.8	114.8	114.8	115.4	117.0	116.8	117.5
RETAIL TRADE	121.8	120.6	119.6	120.3	120.6	121.6	121.0	120.4	122.0	120.4	122.1	123.1	122.9
FINANCE, INSURANCE, AND REAL ESTATE	126.1	126.3	126.3	126.6	127.3	127.7	128.3	129.1	129.8	130.6	130.2	131.0	131.0
SERVICES	134.6	135.3	135.0	135.4	136.6	137.2	137.6	137.7	138.4	138.8	139.7	139.7	140.5

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	Millions of hours (Annual rate) ²			Percent change		
	FEBRUARY 1977	MARCH 1977p	APRIL 1977p	Apr. 1976 to Apr. 1977	Feb. 1977 to Mar. 1977	Mar. 1977 to Apr. 1977
TOTAL	154,924	155,344	155,811	4.0	0.3	0.3
PRIVATE SECTOR	124,964	125,694	126,141	3.5	0.6	0.4
MINING	1,866	1,931	1,927	11.7	3.5	-0.2
CONTRACT CONSTRUCTION	7,165	7,188	7,373	4.7	0.3	2.6
MANUFACTURING	40,064	40,468	40,522	4.0	1.0	0.1
DURABLE GOODS	23,641	24,020	23,984	5.3	1.6	-0.1
NONDURABLE GOODS	16,423	16,448	16,538	2.2	0.2	0.6
TRANSPORTATION AND PUBLIC UTILITIES	9,589	9,571	9,564	2.5	-0.2	-0.1
WHOLESALE AND RETAIL TRADE	31,521	31,727	31,774	1.6	0.7	0.1
FINANCE, INSURANCE, AND REAL ESTATE	8,433	8,492	8,502	4.2	0.7	0.1
SERVICES	26,327	26,318	26,478	4.6	-0.0	0.6
GOVERNMENT	29,960	29,651	29,670	6.0	-1.0	0.1

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Survey Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

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

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				1976				1977
	1975	1976	III	IV	I	II	III	IV	I	II	III	IV	I p
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	111.3	115.7	108.7	107.7	108.1	111.2	113.4	112.8	114.7	115.5	116.3	116.4r	117.4
Output	118.1	126.1	120.6	117.7	114.2	116.7	120.1	121.2	124.2	125.8	126.8	127.5	129.4
Hours	106.1	108.9	111.0	109.2	105.7	104.9	105.9	107.5	108.2	108.9	108.9	109.5	110.3
Compensation per hour	179.9	193.7	166.6	170.8	176.1	178.7	180.8	184.2	188.8	191.8	195.3	199.2r	204.3
Real compensation per hour	111.6	113.6	111.3	110.8	112.0	112.0	111.1	111.3	112.8	113.3	113.7	114.7	115.4
Unit labor costs	161.6	167.4	153.3	158.6	162.9	160.7	159.5	163.3	164.6	166.0	167.8	171.1r	174.1
Unit nonlabor payments	149.6	159.3	132.0	134.9	138.6	146.6	156.2	156.3	159.6	160.7	160.7	160.4r	161.1
Implicit price deflator	157.5	164.6	146.0	150.4	154.5	155.9	158.4	160.9	161.7	163.8	165.4	167.4	169.6
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	109.2	113.2r	106.7	105.8	106.0	109.0	111.4	110.6	112.0	113.2	114.0	113.6r	114.4
Output	118.0	126.2	121.0	117.9	114.4	116.6	119.9	121.3	124.3	126.0	126.9	127.5	129.5
Hours	108.0	111.4	113.4	111.4	107.8	106.9	107.7	109.7	111.0	111.2	111.3	112.2	113.2
Compensation per hour	177.4	190.5	163.9	168.5	173.1	176.1	178.9	181.4	185.4	188.9	192.1	195.4r	200.2
Real compensation per hour	110.0	111.7	109.5	109.3	110.1	110.4	109.8	109.6	110.8	111.6	111.9	112.5r	113.0
Unit labor costs	162.4	168.2	153.6	159.3	163.3	161.5	160.6	164.1	165.4	166.8	168.5	171.9	175.0
Unit nonlabor payments	144.8	155.6r	127.0	129.7	136.0	142.3	150.0	150.3	152.6	154.2	157.6	158.0r	157.1
Implicit price deflator	156.4	163.9	144.6	149.2	154.0	155.0	157.0	159.3	161.0	162.5	164.8	167.2	168.9
MANUFACTURING:													
Output per hour of all persons	114.9	122.4	115.5	112.7	109.0	112.7	118.6	119.5	120.9	123.1	124.8	124.7r	124.7
Output	106.3	118.2	118.5	111.5	100.8	102.7	109.5	112.6	116.5	119.0	120.5	120.9r	122.2
Hours	92.5	96.6	102.6	98.9	92.4	91.1	92.3	94.2	96.4	96.7	96.6	97.0	98.0
Compensation per hour	179.8	193.2	163.6	169.8	175.9	178.5	180.7	183.7	187.8	191.7	194.6	198.4	203.6
Real compensation per hour	111.5	113.3	109.3	110.1	111.9	111.8	111.0	111.0	112.3	113.3	113.3	114.2	115.0
Unit labor costs	156.4	157.9	141.7	150.7	161.3	158.3	152.3	153.7	155.4	155.8	155.9	159.0r	163.3
DURABLE GOODS													
Output per hour of all persons	110.9	117.8	109.7	107.7	104.2	108.6	115.2	115.5	116.5	119.3	121.1	120.4r	120.1
Output	101.3	112.5	113.9	107.9	96.9	97.9	104.2	106.4	110.2	113.8	116.3	115.8r	117.0
Hours	91.3	95.5	103.9	100.2	92.9	90.1	90.5	92.2	94.6	95.4	95.9	96.2	97.4
Compensation per hour	181.3	194.7	163.5	169.7	176.0	180.0	182.7	185.7	189.5	193.9	195.9	199.1r	204.2
Real compensation per hour	112.4	114.2	109.2	110.1	111.9	112.8	112.2	112.2	113.3	114.6	114.1	114.6	115.3
Unit labor costs	163.5	165.3	149.1	157.5	168.9	165.7	158.6	160.8	162.7	162.5	161.8	165.3r	170.1
NONDURABLE GOODS													
Output per hour of all persons	121.5	129.7	125.2	121.0	117.1	119.4	124.4	125.9	127.7	129.2	131.1	131.8r	132.4
Output	114.5	127.6	126.0	117.5	107.5	110.4	118.1	122.5	126.3	127.4	127.9	129.4r	130.9
Hours	94.2	98.3	100.7	97.1	91.7	92.4	95.0	97.3	98.9	98.6	97.5	98.1	98.9
Compensation per hour	177.8	191.1	163.3	169.3	175.5	176.4	178.4	181.5	185.8	188.8	192.7	197.6	202.9
Real compensation per hour	110.3	112.1	109.0	109.9	111.6	110.6	109.5	109.7	111.1	111.6	112.2	113.8	114.6
Unit labor costs	146.3	147.3	130.4	140.0	149.8	147.7	143.4	144.2	145.5	146.1	146.9	149.9r	153.2
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	112.8	117.3	109.1	108.0	108.8	112.5	115.1	114.8	116.0	117.2	118.0	117.9p	N.A.
Output	124.0	133.1	127.7	123.7	119.7	122.4	126.2	127.5	130.8	133.0	134.0	134.5p	N.A.
Hours	109.9	113.5	117.1	114.6	110.0	108.8	109.7	111.1	112.8	113.4	113.6	114.0p	N.A.
Compensation per hour	179.9	193.7	165.1	169.9	175.5	178.3	181.2	184.6	188.4	191.9	195.0	199.3p	N.A.
Real compensation per hour	111.6	113.6	110.2	110.2	111.6	111.7	111.3	111.5	112.6	113.4	113.6	114.7p	N.A.
Total unit costs	166.8	172.6r	155.2	162.0	167.4	165.9	165.4	168.7	169.6	171.0	172.8	176.7p	N.A.
Unit labor costs	159.4	165.1	151.4	157.3	161.3	158.5	157.5	160.8	162.5	163.7	165.3	169.0p	N.A.
Unit nonlabor costs	189.8	195.7	167.2	176.8	186.5	189.2	190.2	193.4	191.9	193.8	196.2	200.7p	N.A.
Unit profits	87.0	107.0r	66.4	60.2	61.6	82.4	102.0	100.5	106.0	107.1	111.3	103.8p	N.A.
Implicit price deflator	155.0	162.9r	142.0	146.9	151.7	153.5	156.0	158.6	160.2	161.5	163.7	165.9p	N.A.

p=preliminary.
r=revised.

**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					
	III 1975	IV 1975	I 1976	II 1976	III 1976	IV 1976	IV 1974	I 1975	II 1975	III 1975	IV 1975	I 1976
	to IV 1975	to I 1976	to II 1976	to III 1976	to IV 1976	to I 1977	to IV 1975	to I 1976	to II 1976	to III 1976	to IV 1976	to I 1977
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	-2.1	7.0	2.9	2.9	0.3	3.2	4.7	6.1	3.9	2.6	3.2	2.3
Output	3.6	10.2	5.5	2.9	2.3	6.2	3.0	8.7	7.8	5.5	5.2	4.2
Hours	5.9	2.9	2.6	0.1	2.1	2.8	-1.6	2.4	3.8	2.8	1.9	1.9
Compensation per hour	7.6	10.4	6.5	7.5	8.2	10.7	7.8	7.2	7.3	8.0	8.1	8.2
Real compensation per hour	0.9	5.6	1.8	1.3	3.5	2.4	0.4	0.8	1.2	2.4	3.0	2.2
Unit labor costs	10.0	3.1	3.5	4.5	8.0	7.3	3.0	1.0	3.3	5.2	4.8	5.8
Unit nonlabor payments	0.2	-0.1	8.8	2.8	-0.8	1.9	15.8	12.7	8.8	2.9	2.6	3.1
Implicit price deflator	6.6	2.1	5.2	3.9	5.0	5.5	7.0	4.7	5.1	4.4	4.0	4.9
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-2.8	5.4	4.4	2.6	-1.2	2.6	4.5	5.7	3.9	2.4	2.8	2.1
Output	4.5	10.5	5.4	3.0	1.9	6.4	2.9	8.7	8.1	5.8	5.2	4.2
Hours	7.6	4.8	1.0	0.4	3.2	3.7	-1.6	2.9	4.1	3.4	2.3	2.1
Compensation per hour	5.8	9.0	7.7	7.1	7.0	10.2	7.7	7.1	7.2	7.4	7.7	8.0
Real compensation per hour	-0.8	4.3	3.0	0.9	2.3	1.9	0.3	0.6	1.1	1.8	2.6	2.0
Unit labor costs	8.9	3.4	3.2	4.3	8.3	7.3	3.0	1.3	3.2	4.9	4.8	5.8
Unit nonlabor payments	0.6	6.3	4.4	9.0	1.1	-2.2	15.8	12.2	8.4	5.0	5.1	3.0
Implicit price deflator	6.2	4.3	3.6	5.8	5.9	4.2	6.8	4.6	4.9	5.0	4.9	4.9
MANUFACTURING:												
Output per hour of all persons	3.0	4.7	7.4	5.7	-0.2	-0.1	6.1	10.9	9.2	5.2	4.4	3.1
Output	11.9	14.4	8.9	5.3	1.3	4.2	1.0	15.6	15.9	10.1	7.4	4.9
Hours	8.7	9.3	1.4	-0.5	1.5	4.4	-4.8	4.2	6.2	4.7	2.9	1.7
Compensation per hour	6.8	9.2	8.6	6.2	7.9	11.1	8.2	6.8	7.4	7.7	8.0	8.4
Real compensation per hour	0.1	4.5	3.8	0.1	3.2	2.7	0.8	0.3	1.3	2.1	2.9	2.4
Unit labor costs	3.7	4.3	1.1	0.4	8.2	11.2	2.0	-3.7	-1.6	2.4	3.5	5.1
DURABLE GOODS												
Output per hour of all persons	1.1	3.6	9.9	6.1	-2.1	-1.2	7.2	11.8	9.8	5.1	4.3	3.0
Output	8.7	15.1	13.6	8.6	-1.3	4.1	-1.4	13.8	16.2	11.5	8.8	6.1
Hours	7.5	11.2	3.3	2.3	0.9	5.4	-8.0	1.8	5.8	6.0	4.4	3.0
Compensation per hour	6.7	8.5	9.4	4.3	6.6	10.8	9.4	7.7	7.7	7.2	7.2	7.8
Real compensation per hour	0.1	3.8	4.6	-1.7	1.9	2.5	1.9	1.2	1.6	1.7	2.1	1.8
Unit labor costs	5.5	4.8	-0.4	-1.7	8.9	12.2	2.1	-3.7	-2.0	2.0	2.8	4.6
NONDURABLE GOODS												
Output per hour of all persons	5.0	5.9	4.7	6.3	2.0	1.9	4.1	9.0	8.2	5.5	4.7	3.7
Output	15.9	13.0	3.5	1.6	4.6	4.8	4.3	17.6	15.4	8.3	5.6	3.6
Hours	10.5	6.7	-1.2	-4.4	2.5	2.9	0.2	7.9	6.7	2.7	0.8	-0.1
Compensation per hour	7.2	9.9	6.5	8.6	10.5	11.2	7.2	5.9	7.0	8.0	8.9	9.2
Real compensation per hour	0.5	5.2	1.8	2.3	5.6	2.8	-0.2	0.5	0.9	2.4	3.7	3.1
Unit labor costs	2.1	3.8	1.7	2.2	8.3	9.2	3.0	-2.8	-1.1	2.5	4.0	5.3
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-0.9	4.2	4.4	2.6	-0.1	N.A.	6.3	6.6	4.2	2.5	2.7	N.A.
Output	4.2	10.6	6.8	3.3	1.3	N.A.	3.1	9.3	8.6	6.2	5.4	N.A.
Hours	5.1	6.2	2.3	0.7	1.4	N.A.	-3.0	2.6	4.3	3.6	2.6	N.A.
Compensation per hour	7.6	8.6	7.6	6.7	9.0	N.A.	8.7	7.3	7.6	7.6	8.0	N.A.
Real compensation per hour	0.9	3.9	2.9	0.6	4.1	N.A.	1.2	0.9	1.5	2.1	2.9	N.A.
Total unit costs	8.1	2.2	3.4	4.3	9.3	N.A.	4.1	1.3	3.1	4.5	4.7	N.A.
Unit labor costs	8.6	4.3	3.1	4.0	9.2	N.A.	2.2	0.7	3.3	5.0	5.1	N.A.
Unit nonlabor costs	7.1	-3.1	3.9	5.1	9.6	N.A.	9.4	2.9	2.5	3.2	3.8	N.A.
Unit profits	-5.9	23.8	4.2	16.9	-24.5	N.A.	66.9	71.9	30.0	9.1	3.3	N.A.
Implicit price deflator	6.7	4.1	3.4	5.5	5.4	N.A.	7.9	5.6	5.2	4.9	4.6	N.A.

p=preliminary.
r=revised.

**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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAR. 1976	FEB. 1977	MAR. 1977 ^P	MAR. 1976	FEB. 1977	MAR. 1977 ^P	MAR. 1976	FEB. 1977	MAR. 1977 ^P
ALABAMA ¹	\$176.14	\$188.60	\$192.23	40.4	40.3	40.3	\$4.36	\$4.68	\$4.77
Birmingham ²	211.07	219.85	231.18	39.9	39.9	40.7	5.29	5.51	5.68
Mobile ¹	208.15	232.67	233.50	41.3	41.4	41.4	5.04	5.62	5.64
ALASKA ²	307.89	341.88	(*)	40.3	44.4	(*)	7.64	7.70	(*)
ARIZONA	199.25	218.65	216.22	39.3	39.9	39.6	5.07	5.48	5.46
Phoenix	195.89	216.14	216.26	39.1	40.1	39.9	5.01	5.39	5.42
Tucson	206.27	218.18	219.52	38.7	39.1	39.2	5.33	5.58	5.60
ARKANSAS ¹	150.86	165.13	166.36	39.7	39.6	39.8	3.80	4.17	4.18
Fayetteville-Springdale ¹	138.77	150.90	147.83	39.2	39.4	38.8	3.54	3.83	3.81
Fort Smith ¹	154.05	167.27	164.40	39.1	38.9	38.5	3.94	4.30	4.27
Little Rock-North Little Rock ¹	169.74	191.83	192.98	39.2	40.3	40.8	4.33	4.76	4.73
Pine Bluff ¹	185.09	205.28	200.38	40.5	42.5	41.4	4.57	4.83	4.84
CALIFORNIA ¹	215.42	230.66	234.00	39.6	35.7	40.0	5.44	5.81	5.85
Anaheim-Santa Ana-Garden Grove ¹	204.62	217.35	217.62	40.2	40.4	40.3	5.09	5.38	5.40
Bakersfield ¹	229.91	247.02	245.86	39.1	40.1	39.4	5.88	6.16	6.24
Fresno ¹	199.40	207.28	208.43	39.8	38.6	39.4	5.01	5.37	5.29
Los Angeles-Long Beach ¹	201.39	216.26	220.18	39.8	39.9	40.4	5.06	5.42	5.45
Modesto ¹	206.88	225.55	227.12	38.1	38.1	38.3	5.43	5.92	5.93
Oxnard-Simi Valley-Ventura ¹	191.12	202.37	201.33	38.2	39.7	39.4	4.99	5.09	5.11
Riverside-San Bernardino-Ontario ¹	217.84	246.22	237.61	38.9	93.3	98.3	5.60	5.97	5.97
Sacramento ¹	226.98	244.72	244.48	38.8	38.6	38.5	5.85	6.34	6.35
Salinas-Seaside-Monterey ¹	195.45	266.18	206.64	37.3	38.4	36.0	5.24	5.89	5.74
San Diego ¹	214.79	223.11	225.23	38.7	38.6	38.5	5.55	5.78	5.85
San Francisco-Oakland ¹	259.23	277.68	288.08	39.1	39.0	39.9	6.63	7.12	7.22
San Jose ¹	235.01	255.84	259.94	39.3	40.1	40.3	5.98	6.38	6.45
Santa Barbara-Santa Maria-Lompoc ¹	192.66	211.60	208.96	39.0	40.0	39.5	4.94	5.29	5.29
Santa Rosa ¹	200.91	220.23	216.79	37.0	38.3	37.9	5.43	5.75	5.72
Stockton ¹	237.16	263.46	259.64	39.2	40.1	39.7	6.05	6.57	6.54
Vallejo-Fairfield-Napa ¹	239.99	229.82	221.86	39.8	37.8	37.1	6.03	6.08	5.98
COLORADO	208.82	222.22	215.17	39.7	39.4	38.7	5.26	5.64	5.56
Denver-Boulder	210.94	222.26	213.84	39.8	39.2	38.6	5.30	5.67	5.54
CONNECTICUT ²	204.91	222.76	(*)	40.9	41.1	(*)	5.01	5.42	(*)
Bridgeport ²	217.04	232.48	234.73	41.9	42.5	42.6	5.18	5.47	5.51
Hartford ²	229.48	254.40	254.65	41.8	42.9	42.3	5.49	5.93	6.02
New Britain ²	210.82	232.10	232.81	41.5	42.2	42.1	5.08	5.50	5.53
New Haven-West Haven ²	204.32	222.50	222.08	40.3	40.9	40.6	5.07	5.44	5.47
Stamford ²	212.07	227.34	225.89	41.5	42.1	41.6	5.11	5.40	5.43
Waterbury ²	177.96	190.44	193.49	41.1	41.4	41.7	4.33	4.60	4.64
DELAWARE ²	218.95	204.91	219.57	40.1	38.3	39.0	5.46	5.35	5.63
Wilmington ²	245.63	241.02	251.13	40.4	39.0	39.3	6.08	6.18	6.39
DISTRICT OF COLUMBIA:									
Washington SMSA	208.67	206.42	210.82	38.5	37.6	38.4	5.42	5.49	5.49
FLORIDA ¹	169.24	185.36	182.61	40.2	41.1	40.4	4.21	4.51	4.52
Fort Lauderdale-Hollywood ¹	166.63	183.08	181.97	39.3	41.8	40.8	4.24	4.38	4.46
Jacksonville ¹	207.47	219.34	207.72	40.6	41.7	40.1	5.11	5.26	5.18
Miami ¹	150.44	162.39	163.96	39.8	39.9	35.7	3.78	4.07	4.13
Orlando ¹	175.44	204.53	191.76	40.8	42.7	40.8	4.30	4.79	4.70
Pensacola ¹	207.56	226.32	230.41	41.1	41.3	42.2	5.05	5.48	5.46
Tampa-St. Petersburg ¹	175.60	195.77	192.38	40.0	40.7	40.5	4.39	4.81	4.75
West Palm Beach-Boca Raton ¹	219.78	235.34	231.97	44.4	44.6	44.1	4.95	5.27	5.26
GEORGIA	168.50	171.97	174.44	40.8	39.9	40.1	4.13	4.31	4.35
Atlanta	210.42	211.83	219.06	40.7	39.3	39.4	5.17	5.39	5.56
Savannah	209.88	222.39	240.75	42.4	42.1	43.3	4.95	5.52	5.56
HAWAII	201.39	209.34	215.52	39.8	38.2	39.4	5.06	5.48	5.47
Honolulu	193.55	199.23	213.70	39.5	37.1	39.5	4.90	5.37	5.41
IDAHO ¹	190.76	211.80	211.33	38.0	38.3	39.5	5.02	5.53	5.35

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		
	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
ILLINOIS ¹	(*)	\$ 237.85	\$ 247.09	(*)	39.3	40.4	(*)	\$ 6.05	\$ 6.12
INDIANA ¹	\$ 239.09	258.04	261.62	40.8	40.7	41.2	\$ 5.86	6.34	6.35
Indianapolis ¹	240.13	275.98	(*)	40.7	41.5	(*)	5.90	6.65	(*)
IOWA	228.80	252.90	253.49	40.0	40.4	40.3	5.72	6.26	6.29
Cedar Rapids	233.29	248.65	246.40	41.0	40.3	40.0	5.69	6.17	6.16
Des Moines	234.57	258.52	256.69	38.9	38.7	38.6	6.03	6.68	6.65
Dubuque	275.71	319.84	323.46	39.9	40.9	41.1	6.91	7.82	7.87
Sioux City	208.79	228.74	210.48	35.1	40.2	38.2	5.34	5.65	5.51
Waterloo—Cedar Falls	286.31	329.45	327.96	40.1	42.4	42.1	7.14	7.77	7.79
KANSAS ¹	198.68	210.29	213.61	40.6	40.9	41.1	4.89	5.14	5.20
Topeka ¹	211.12	234.26	227.58	42.0	43.0	41.7	5.03	5.45	5.46
Wichita ¹	216.49	228.37	228.64	40.5	41.3	41.0	5.35	5.53	5.58
KENTUCKY ²	199.50	213.79	(*)	39.9	39.3	(*)	5.00	5.44	(*)
Louisville ²	224.93	244.84	241.41	39.9	39.3	39.0	5.69	6.23	6.19
LOUISIANA ¹	211.34	230.68	231.90	40.8	40.9	40.9	5.18	5.64	5.67
Baton Rouge ¹	266.70	282.20	287.30	42.0	42.5	42.5	6.35	6.64	6.76
New Orleans ¹	213.72	232.90	235.58	40.4	40.7	40.9	5.29	5.72	5.76
Shreveport ¹	184.12	202.29	202.70	40.2	41.2	41.2	4.58	4.91	4.92
MAINE ¹	160.80	174.84	174.36	40.3	40.1	39.9	3.99	4.36	4.37
Lewiston—Auburn ¹	137.36	143.23	136.86	39.7	38.4	36.4	3.46	3.73	3.76
Portland ¹	167.90	181.04	180.00	39.6	40.5	40.0	4.24	4.47	4.50
MARYLAND ¹	210.93	229.31	236.40	39.5	39.4	40.0	5.34	5.82	5.91
Baltimore ¹	224.00	240.58	250.91	40.0	39.7	40.6	5.60	6.06	6.18
MASSACHUSETTS ²	186.80	201.30	201.20	40.0	40.1	40.0	4.67	5.02	5.03
Boston	203.94	220.50	222.56	39.6	40.1	40.1	5.15	5.50	5.55
Brockton	151.69	158.42	158.80	38.5	37.9	37.9	3.94	4.18	4.19
Fall River	138.74	140.99	145.75	36.8	35.4	35.9	3.77	3.98	4.06
Lawrence—Haverhill	178.36	194.71	195.60	39.2	39.9	40.0	4.55	4.88	4.89
Lowell	163.41	177.30	176.67	39.0	39.4	39.0	4.19	4.50	4.53
New Bedford	159.44	165.50	168.73	38.7	38.4	38.7	4.12	4.31	4.36
Springfield—Chicopee—Holyoke	191.82	210.59	209.90	40.9	41.7	41.4	4.69	5.05	5.07
Worcester	185.57	201.79	203.78	39.4	39.8	39.8	4.71	5.07	5.12
MICHIGAN	284.99	302.02	314.58	42.6	42.0	42.8	6.69	7.19	7.35
Ann Arbor	303.85	327.33	338.08	42.7	42.4	43.1	7.12	7.72	7.84
Battle Creek	270.11	300.42	288.27	41.1	42.6	41.3	6.57	7.05	6.98
Bay City	298.17	318.38	326.54	46.0	47.0	48.0	6.48	6.77	6.80
Detroit	299.44	328.57	339.65	42.6	42.5	43.3	7.03	7.73	7.84
Flint	346.05	327.60	367.34	46.4	42.0	45.1	7.46	7.80	8.15
Grand Rapids	223.98	238.71	249.87	40.4	40.7	41.5	5.54	5.87	6.02
Jackson	243.74	262.63	257.77	41.2	41.7	41.0	5.92	6.30	6.29
Kalamazoo—Portage	250.33	262.13	272.88	41.2	41.3	41.7	6.08	6.35	6.54
Lansing—East Lansing	306.40	322.23	356.28	43.4	43.2	45.9	7.06	7.46	7.76
Muskegon—Norton Shores—Muskegon Heights	238.18	257.95	257.51	41.3	41.8	41.4	5.77	6.17	6.22
Saginaw	354.72	348.83	370.80	45.6	43.5	44.6	7.78	8.02	8.31
MINNESOTA ¹	214.09	233.78	234.00	39.5	40.1	40.0	5.42	5.83	5.85
Duluth—Superior ¹	200.27	203.70	204.61	39.5	38.8	38.9	5.07	5.25	5.26
Minneapolis—St. Paul ¹	231.90	251.10	251.51	40.4	40.5	40.5	5.74	6.20	6.21
MISSISSIPPI ¹	151.22	161.99	162.78	39.9	39.8	39.8	3.79	4.07	4.09
Jackson ¹	158.24	169.24	174.58	41.1	40.2	40.6	3.85	4.21	4.30
MISSOURI	199.19	217.80	215.27	39.6	39.6	39.5	5.03	5.50	5.45
Kansas City	224.31	243.60	255.03	39.7	40.0	41.2	5.65	6.09	6.19
St. Joseph	190.88	199.60	199.00	40.1	40.0	39.8	4.76	4.99	5.00
St. Louis	231.23	251.60	244.55	40.2	40.0	39.7	5.75	6.29	6.16
Springfield	170.96	178.60	187.15	39.3	37.6	39.4	4.35	4.75	4.75
MONTANA	219.82	247.25	259.91	38.7	40.6	42.4	5.68	6.09	6.13

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		
	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
NEBRASKA	\$203.24	\$212.36	\$214.48	41.2	41.3	40.9	\$4.93	\$5.14	\$5.24
Lincoln	184.81	194.20	188.99	39.4	39.4	38.8	4.69	4.93	4.87
Omaha	228.07	246.11	246.82	42.4	42.3	42.3	5.40	5.77	5.84
NEVADA ¹	207.26	224.76	233.83	38.1	39.5	39.7	5.44	5.69	5.89
Las Vegas	253.53	292.93	(*)	39.8	42.5	(*)	6.37	6.89	(*)
NEW HAMPSHIRE ¹	165.20	177.11	179.40	40.0	39.8	40.0	4.13	4.45	4.46
Manchester	150.14	158.34	160.36	39.2	39.0	39.4	3.83	4.06	4.07
Nashua	185.90	205.84	203.94	40.5	41.5	41.2	4.59	4.96	4.95
NEW JERSEY ²	210.89	230.83	237.12	40.4	41.0	41.6	5.22	5.63	5.70
Atlantic City	162.50	164.39	185.55	37.1	34.4	38.1	4.38	4.77	4.87
Camden	194.72	223.56	220.84	39.1	40.5	40.3	4.98	5.52	5.48
Hackensack	200.33	215.46	227.37	40.8	42.0	42.9	4.91	5.13	5.30
Jersey City	201.88	225.28	227.70	39.2	40.3	40.3	5.15	5.59	5.65
New Brunswick—Perth Amboy—Sayreville	231.54	251.58	251.22	41.2	42.0	41.8	5.62	5.99	6.01
Newark	210.01	239.78	249.21	40.7	41.7	42.6	5.16	5.75	5.85
Paterson—Clifton—Passaic	207.65	218.69	223.30	41.2	40.8	41.2	5.04	5.36	5.42
Trenton	213.03	225.91	237.39	40.5	41.1	41.0	5.26	5.74	5.79
NEW MEXICO ¹	151.30	164.31	168.19	39.4	38.3	38.4	3.84	4.29	4.38
Albuquerque	153.95	170.33	176.64	40.3	37.6	38.4	3.82	4.53	4.60
NEW YORK ²	204.34	220.18	(*)	39.6	39.6	(*)	5.16	5.56	(*)
Albany—Schenectady—Troy	217.71	244.36	(*)	41.0	41.7	(*)	5.31	5.86	(*)
Binghamton	199.68	195.60	(*)	41.6	40.0	(*)	4.80	4.89	(*)
Buffalo	262.40	287.71	(*)	41.0	41.9	(*)	6.40	7.11	(*)
Elmira	197.20	217.62	(*)	40.0	10.6	(*)	4.93	5.36	(*)
Monroe County	266.48	286.86	(*)	41.9	42.0	(*)	6.36	6.83	(*)
Nassau—Suffolk	192.67	202.07	(*)	39.4	39.7	(*)	4.89	5.09	(*)
New York—Northeastern New Jersey	199.69	209.48	(*)	39.7	39.6	(*)	5.03	5.29	(*)
New York and Nassau—Suffolk	184.40	195.83	(*)	38.1	38.1	(*)	4.84	5.14	(*)
New York SMSA	182.57	194.67	(*)	37.8	37.8	(*)	4.83	5.15	(*)
New York City	181.23	192.90	(*)	37.6	37.5	(*)	4.82	5.12	(*)
Poughkeepsie	207.77	222.98	(*)	40.5	41.6	(*)	5.13	5.36	(*)
Rochester	253.15	271.88	(*)	41.5	41.7	(*)	6.10	6.52	(*)
Rockland County	202.56	218.17	(*)	42.2	42.2	(*)	4.80	5.17	(*)
Syracuse	224.35	242.95	(*)	41.7	40.9	(*)	5.38	5.94	(*)
Utica—Rome	191.12	204.90	(*)	39.9	40.0	(*)	4.79	5.10	(*)
Westchester County	196.02	216.46	(*)	39.6	39.5	(*)	4.95	5.48	(*)
NORTH CAROLINA	146.89	157.50	159.59	39.7	39.4	39.6	3.70	4.00	4.03
Asheville	143.75	152.47	152.88	39.6	39.5	39.3	3.63	3.86	3.89
Charlotte—Gastonia	150.10	162.38	164.40	40.9	40.8	41.1	3.67	3.98	4.00
Greensboro—Winston-Salem—High Point	158.80	168.60	170.25	39.6	39.3	39.5	4.01	4.29	4.31
Raleigh—Durham	162.18	175.70	178.69	38.8	38.7	39.1	4.18	4.54	4.57
NORTH DAKOTA	175.31	191.12	190.24	37.7	38.3	38.2	4.65	4.99	4.98
Fargo—Moorhead	182.60	202.01	196.74	38.2	38.7	38.5	4.78	5.22	5.11
OHIO ¹	245.96	268.27	272.06	41.2	41.4	41.6	5.97	6.48	6.54
Akron	248.64	276.45	277.44	42.0	42.4	42.1	5.92	6.52	6.59
Canton	241.40	255.71	261.49	39.9	39.4	39.8	6.05	6.49	6.57
Cincinnati	225.50	243.81	253.57	41.0	40.5	41.5	5.50	6.02	6.11
Cleveland	253.12	276.22	281.59	41.7	42.3	42.6	6.07	6.53	6.61
Columbus	221.90	243.98	243.00	40.2	40.8	40.5	5.52	5.98	6.00
Dayton	269.33	291.89	295.61	43.3	43.5	43.6	6.22	6.71	6.78
Toledo	256.89	282.91	264.26	41.3	42.1	39.5	6.22	6.72	6.69
Youngstown—Warren	262.09	291.51	301.10	38.6	39.5	40.2	6.79	7.38	7.49
OKLAHOMA ¹	189.81	204.22	208.06	40.3	40.2	40.4	4.71	5.08	5.15
Oklahoma City	186.80	200.77	203.89	40.0	39.6	39.9	4.67	5.07	5.11
Tulsa	207.25	220.30	223.66	40.4	40.0	40.3	5.13	5.50	5.55
OREGON ²	223.49	247.40	246.13	38.4	38.9	38.7	5.82	6.36	6.36
Eugene—Springfield	238.00	268.54	262.68	39.6	40.2	39.5	6.01	6.68	6.65
Jackson County	221.91	246.96	247.98	39.2	39.3	39.3	5.69	6.30	6.31
Portland	223.11	241.88	244.58	38.6	38.7	38.7	5.78	6.25	6.32

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		
	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P	MAR. 1976	FEB. 1977	MAR. 1977P
PENNSYLVANIA ¹	\$203.58	\$216.33	\$221.65	39.0	38.7	39.3	\$5.22	\$5.59	\$5.64
Allentown—Bethlehem—Easton ¹	195.80	217.17	219.08	37.8	38.1	38.3	5.18	5.70	5.72
Altoona ¹	171.33	185.09	188.65	38.5	38.4	38.5	4.45	4.82	4.90
Delaware Valley ^{1, 8}	217.88	231.08	234.04	39.4	39.3	39.6	5.53	5.88	5.91
Erie ¹	204.22	233.21	234.93	39.5	40.7	41.0	5.17	5.73	5.73
Harrisburg ¹	179.72	195.05	199.92	38.9	38.7	39.2	4.62	5.04	5.10
Johnstown ¹	229.45	226.31	242.55	37.8	37.1	38.5	6.07	6.10	6.30
Lancaster ¹	185.87	196.78	199.58	39.8	39.2	39.6	4.67	5.02	5.04
Northeast Pennsylvania ¹	149.92	160.38	164.08	36.3	35.8	36.3	4.13	4.48	4.52
Philadelphia SMSA	213.70	(*)	(*)	39.5	(*)	(*)	5.41	(*)	(*)
Pittsburgh ¹	248.75	262.47	272.96	39.8	39.0	40.2	6.25	6.73	6.79
Reading ¹	184.21	192.65	207.76	38.7	38.3	39.8	4.76	5.03	5.22
Scranton ^{1, 9}	156.49	171.23	173.74	37.8	37.8	38.1	4.14	4.53	4.56
Wilkes-Barre—Hazleton ^{1, 10}	144.32	151.95	156.80	35.2	34.3	35.0	4.10	4.43	4.48
Williamsport ¹	176.72	201.56	198.74	38.5	39.6	39.2	4.59	5.09	5.07
York ¹	186.19	202.91	206.55	40.3	40.5	40.9	4.62	5.01	5.05
RHODE ISLAND ¹	159.98	167.78	169.85	39.5	39.2	39.5	4.05	4.28	4.30
Providence—Warwick—Pawtucket ¹	161.19	170.25	170.68	39.8	39.5	39.6	4.05	4.31	4.31
SOUTH CAROLINA ¹	153.09	163.14	166.03	40.5	39.5	40.2	3.78	4.13	4.13
Charleston—North Charleston ¹	174.25	190.34	190.85	41.0	41.2	41.4	4.25	4.62	4.61
Columbia ¹	148.96	165.78	166.69	39.2	39.1	39.5	3.80	4.24	4.22
Greenville—Spartanburg ¹	152.36	165.24	164.79	40.2	40.4	39.9	3.79	4.09	4.13
SOUTH DAKOTA	169.65	191.20	193.68	39.0	40.0	40.1	4.35	4.78	4.83
Sioux Falls	215.33	238.78	238.05	40.4	41.6	41.4	5.33	5.74	5.75
TENNESSEE	166.87	179.20	180.05	40.6	40.0	40.1	4.11	4.48	4.49
Chattanooga	175.36	187.33	190.76	40.5	40.2	40.5	4.33	4.66	4.71
Knoxville	193.11	216.24	214.52	40.4	40.8	40.4	4.78	5.30	5.31
Memphis	189.45	202.56	204.49	39.8	39.2	39.4	4.76	5.17	5.19
Nashville—Davidson	175.12	189.77	189.60	39.8	39.7	39.5	4.40	4.78	4.80
TEXAS ¹	199.59	206.59	210.41	40.9	39.5	39.7	4.88	5.23	5.30
Amarillo ¹	190.11	222.13	225.35	41.6	43.3	44.1	4.57	5.13	5.11
Austin ¹	171.40	180.54	182.62	41.3	41.6	41.6	4.15	4.34	4.39
Beaumont—Port Arthur—Orange ¹	279.07	313.74	276.72	41.1	41.5	36.7	6.79	7.56	7.54
Corpus Christi ¹	234.57	247.63	233.95	43.6	41.9	40.9	5.38	5.91	5.72
Dallas—Fort Worth ¹	186.35	192.80	196.18	40.6	40.0	40.2	4.59	4.82	4.88
El Paso ¹	141.70	145.49	145.92	38.4	37.4	38.4	3.69	3.89	3.80
Galveston—Texas City ¹	326.92	(*)	(*)	44.6	(*)	(*)	7.33	(*)	(*)
Houston ¹	243.49	266.05	270.29	42.2	42.5	42.7	5.77	6.26	6.33
Lubbock ¹	148.88	148.22	153.65	40.9	38.6	39.6	3.64	3.84	3.88
San Antonio ¹	157.45	157.21	160.40	42.1	39.4	40.0	3.74	3.99	4.01
Waco ¹	167.68	175.74	176.55	40.7	40.4	40.4	4.12	4.35	4.37
Wichita Falls ¹	171.26	187.23	181.50	39.1	39.5	38.7	4.38	4.74	4.69
UTAH ¹	187.29	202.69	203.49	39.1	39.9	39.9	4.79	5.08	5.10
Salt Lake City—Ogden ¹	181.17	195.02	194.93	39.3	39.8	39.7	4.61	4.90	4.91
VERMONT	177.18	188.09	187.68	41.3	40.8	40.8	4.29	4.61	4.60
Burlington	206.22	231.42	224.37	42.0	43.5	42.9	4.91	5.32	5.23
Springfield	191.35	213.00	208.00	40.8	41.2	40.0	4.69	5.17	5.20
VIRGINIA ¹	166.76	180.58	180.18	39.8	39.6	39.6	4.19	4.56	4.55
Lynchburg ¹	170.95	178.75	178.30	40.8	39.9	39.8	4.19	4.48	4.48
Norfolk—Virginia Beach—Portsmouth ¹	172.30	211.14	215.55	39.7	41.4	42.1	4.34	5.10	5.12
Northern Virginia ^{1, 11}	192.06	201.22	210.60	39.6	39.3	40.5	4.85	5.12	5.20
Richmond ¹	204.82	212.14	211.46	40.8	38.5	38.8	5.02	5.51	5.45
Roanoke ¹	149.72	166.04	165.98	39.4	40.4	39.9	3.80	4.11	4.16
WASHINGTON	239.01	260.56	260.41	38.8	39.3	39.1	6.16	6.63	6.66
Seattle—Everett	249.40	264.71	265.98	39.4	39.1	39.0	6.33	6.77	6.82
Spokane	218.65	225.82	227.56	39.9	38.8	39.1	5.48	5.82	5.82
Tacoma	237.74	258.33	260.56	38.1	39.2	39.3	6.24	6.59	6.63
WEST VIRGINIA ¹	202.15	222.32	232.22	39.1	38.2	39.9	5.17	5.82	5.82
Charleston ¹	242.26	268.74	271.28	41.2	41.6	41.8	5.88	6.46	6.49
Huntington—Ashland ¹	231.82	244.05	253.53	39.9	38.8	39.8	5.81	6.29	6.37
Parkersburg—Marietta ¹	226.24	241.13	249.08	40.4	39.4	40.5	5.60	6.12	6.15

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		
	MAR. 1976	FFR. 1977	MAR. 1977P	MAR. 1976	FFR. 1977	MAR. 1977P	MAR. 1976	FFR. 1977	MAR. 1977P
WEST VIRGINIA—Continued									
Wheeling ¹	\$211.58	\$223.69	\$233.78	39.4	38.7	40.1	\$5.37	\$5.78	\$5.83
WISCONSIN¹	227.02	240.17	241.23	40.6	40.4	40.3	5.59	5.54	5.99
Appleton—Oshkosh ¹	215.79	236.31	236.38	41.3	41.7	41.4	5.23	5.67	5.71
Green Bay ¹	232.32	246.25	247.03	42.2	42.1	42.0	5.50	5.85	5.89
Kenosha ¹	261.02	262.93	263.69	39.0	39.8	39.7	6.69	6.61	6.66
La Crosse ¹	186.52	205.84	208.13	40.2	40.4	40.5	4.64	5.10	5.14
Madison ¹	244.21	259.83	258.92	39.9	39.7	39.4	6.12	6.55	6.58
Milwaukee ¹	247.82	262.06	264.18	40.3	40.4	40.4	6.15	6.49	6.53
Racine ¹	241.09	255.77	254.87	40.3	40.4	40.0	5.99	6.23	6.37
WYOMING¹	217.01	221.45	219.96	41.1	39.9	39.0	5.28	5.55	5.64
Casper ¹	249.49	278.12	274.99	40.9	40.9	40.8	6.10	6.80	6.74
Cheyenne ¹	246.54	211.46	189.75	41.7	38.8	35.6	5.93	5.45	5.33

¹ Based on 1972 Standard Industrial Classification.

² Based on 1972 Standard Industrial Classification and adjusted to 1976 benchmark; not strictly comparable with previously published data.

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	3.9	3.8	3.5	4.2 ^p	3.9	4.4	4.8	4.2	5.1	4.4	3.5	3.0	2.2
1977	-	3.7	3.7	4.2 ^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	2.6	3.1	3.0	2.4	1.7	1.3
1976	2.6	2.1	2.1	2.6 ^p	2.5	3.0	3.6	2.8	3.5	3.2	2.5	1.9	1.3
1977	-	2.2	2.1	2.7 ^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	4.4	4.6	4.3	4.0	3.5	3.4
1976	3.8	3.7	3.1	3.5 ^p	3.5	3.4	3.5	4.3	4.9	4.6	4.1	3.4	3.5
1977	-	3.9	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	1.7	1.3	1.2	1.5	1.6	1.7	1.8	1.8	2.8	2.4	1.7	1.2	1.0
1977	-	1.4	1.3	1.6 ^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	2.0	1.3	1.4	1.6	1.7	1.9
1976	1.3	1.6	1.1	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977	-	1.7	1.4	1.0 ^p									

^ppreliminary.

**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	
		Feb. 1977	Mar. 1977 ^P	Feb. 1977	Mar. 1977 ^P	Feb. 1977	Mar. 1977 ^P	Feb. 1977	Mar. 1977 ^P	Feb. 1977	Mar. 1977 ^P
-	MANUFACTURING	3.7	4.2	2.1	2.7	3.4	3.5	1.3	1.6	1.4	1.0
19,24,25,32-39	DURABLE GOODS	3.7	4.1	1.9	2.5	3.3	3.1	1.1	1.4	1.4	.8
20-23,26-31	NONDURABLE GOODS	3.7	4.2	2.3	2.9	3.5	4.0	1.5	2.0	1.3	1.2
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	1.8	-	.9	-	2.0	-	.5	-	1.0	-
192	Ammunition, except for small arms	1.5	-	.7	-	2.1	-	.4	-	1.2	-
24	LUMBER AND WOOD PRODUCTS	5.1	6.6	3.3	5.0	4.7	5.1	2.1	3.0	1.8	1.2
242	Sawmills and planing mills	4.1	-	3.0	-	4.0	-	2.2	-	1.2	-
2421	Sawmills and planing mills, general	3.9	-	2.9	-	3.9	-	2.1	-	1.1	-
243	Millwork, plywood and related products	5.6	-	3.2	-	4.2	-	2.0	-	1.3	-
2431	Millwork	6.3	-	3.2	-	4.4	-	2.0	-	1.3	-
2432	Veneer and plywood	3.9	-	2.7	-	4.0	-	1.9	-	1.3	-
244	Wooden containers	7.4	-	6.4	-	6.4	-	4.1	-	1.3	-
2441,2	Wooden boxes, shooks, and crates	7.4	-	6.4	-	6.5	-	4.1	-	1.6	-
249	Miscellaneous wood products	5.4	-	3.9	-	4.4	-	2.3	-	1.2	-
25	FURNITURE AND FIXTURES	4.7	5.1	3.4	3.8	4.5	5.1	2.3	3.1	1.4	1.0
251	Household furniture	4.8	-	3.6	-	4.3	-	2.6	-	.9	-
2511	Wood household furniture	4.1	-	3.3	-	4.4	-	2.7	-	.8	-
2512	Upholstered household furniture	4.7	-	3.1	-	4.2	-	2.4	-	1.1	-
2515	Mattresses and bedsprings	3.9	-	2.7	-	3.7	-	1.7	-	1.0	-
252	Office furniture	3.0	-	2.2	-	2.7	-	1.1	-	.8	-
32	STONE, CLAY, AND GLASS PRODUCTS	5.4	6.4	1.9	2.9	4.9	3.2	1.0	1.5	3.1	1.0
321	Flat glass	3.0	-	1.3	-	3.3	-	.1	-	2.4	-
322	Glass and glassware, pressed or blown	6.0	-	1.3	-	6.1	-	.7	-	4.6	-
3221	Glass containers	5.3	-	1.5	-	4.6	-	.9	-	3.0	-
3229	Pressed and blown glass, nec	7.0	-	.9	-	8.4	-	.5	-	6.8	-
324	Cement, hydraulic	4.3	-	.7	-	3.9	-	.3	-	3.1	-
325	Structural clay products	8.4	-	2.0	-	7.4	-	1.4	-	5.2	-
3251	Brick and structural clay tile	9.9	-	3.2	-	9.1	-	2.0	-	6.4	-
326	Pottery and related products	3.3	-	1.9	-	5.0	-	1.1	-	2.8	-
3291	Abrasive products	2.5	-	1.5	-	2.5	-	.7	-	1.3	-
33	PRIMARY METAL INDUSTRIES	3.9	4.3	1.0	1.4	3.3	2.2	.5	.6	2.0	.8
331	Blast furnace and basic steel products	4.0	-	.3	-	3.7	-	.2	-	2.5	-
3312	Blast furnaces and steel mills	4.0	-	.3	-	3.6	-	.2	-	2.4	-
332	Iron and steel foundries	4.1	-	1.7	-	3.3	-	.8	-	1.8	-
3321	Gray iron foundries	4.2	-	2.0	-	2.6	-	.9	-	1.2	-
3322	Malleable iron foundries	4.2	-	1.1	-	4.7	-	.7	-	2.5	-
3323	Steel foundries	3.9	-	1.2	-	4.6	-	.8	-	3.0	-
333,4	Nonferrous metals	2.1	-	1.3	-	1.9	-	.5	-	.5	-
335	Nonferrous rolling and drawing	3.6	-	1.3	-	2.0	-	.4	-	.9	-
3351	Copper rolling and drawing	2.4	-	1.8	-	1.3	-	.5	-	.2	-
3352	Aluminum rolling and drawing	5.2	-	1.1	-	2.3	-	.3	-	1.5	-
3357	Nonferrous wire drawing, and insulating	2.9	-	1.3	-	2.0	-	.4	-	.9	-
336	Nonferrous foundries	4.3	-	2.7	-	4.2	-	1.3	-	2.3	-
3361	Aluminum castings	4.2	-	3.1	-	3.1	-	1.3	-	1.1	-
3362,9	Other nonferrous castings	4.6	-	2.3	-	5.6	-	1.2	-	3.8	-
339	Miscellaneous primary metal products	5.0	-	1.0	-	4.2	-	.5	-	3.0	-
3391	Iron and steel forgings	3.1	-	1.0	-	2.0	-	.4	-	1.0	-
34	FABRICATED METAL PRODUCTS	4.2	-	2.2	-	3.8	-	1.2	-	1.7	-
341	Metal cans	11.0	-	.7	-	5.9	-	.3	-	4.3	-
342	Cutlery, hand tools, and hardware	3.5	-	1.9	-	3.4	-	1.1	-	1.6	-
3421,3,5	Cutlery and hand tools, incl. saws	4.3	-	2.0	-	4.6	-	1.2	-	2.6	-
3429	Hardware, nec	2.9	-	1.8	-	2.5	-	.9	-	.9	-
343	Plumbing and heating, except electric	4.4	-	2.9	-	2.9	-	1.2	-	.8	-
3431,2	Sanitary ware and plumbers' brass goods	4.6	-	3.0	-	2.8	-	1.3	-	.6	-
3433	Heating equipment, except electric	4.2	-	2.8	-	3.1	-	1.2	-	1.0	-
344	Fabricated structural metal products	3.8	-	2.3	-	4.1	-	1.3	-	1.9	-
3441	Fabricated structural steel	4.6	-	2.4	-	5.6	-	1.3	-	3.2	-
3443	Fabricated plate work (boiler shops)	2.2	-	1.4	-	2.5	-	.8	-	1.2	-
3446,9	Architectural and misc. metal work	4.3	-	2.6	-	3.9	-	1.6	-	1.6	-
345	Screw machine products, bolts, etc.	2.9	-	2.5	-	2.8	-	1.3	-	.6	-
3452	Bolts, nuts, rivets, and washers	2.3	-	1.8	-	2.5	-	1.0	-	.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	
		Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p
	DURABLE GOODS — Continued										
	FABRICATED METAL PRODUCTS — Continued										
346	Metal stampings	3.2	-	1.6	-	3.3	-	0.9	-	1.6	-
346	Miscellaneous fabricated wire products	4.7	-	2.6	-	3.5	-	1.6	-	1.1	-
349	Miscellaneous fabricated metal products	3.8	-	2.2	-	2.8	-	1.1	-	1.1	-
3494,8	Valves, pipe, and pipe fittings	2.6	-	2.1	-	2.5	-	1.0	-	.9	-
35	MACHINERY, EXCEPT ELECTRICAL	2.7	2.7	1.7	2.0	2.4	2.4	.8	1.1	1.0	0.6
351	Engines and turbines	2.0	-	.9	-	1.6	-	.4	-	.3	-
3511	Steam engines and turbines	1.1	-	.4	-	2.0	-	.4	-	.5	-
3519	Internal combustion engines, nec	2.6	-	1.1	-	1.4	-	.4	-	.2	-
352	Farm machinery	2.8	-	1.9	-	3.2	-	1.0	-	1.4	-
353	Construction and related machinery	3.6	-	1.4	-	3.5	-	.7	-	2.2	-
3531,2	Construction and mining machinery	4.9	-	1.2	-	4.7	-	.6	-	3.5	-
3533	Oil field machinery	2.5	-	2.0	-	2.2	-	1.2	-	.3	-
3535,6	Conveyors, hoists, cranes, monorails	1.9	-	1.6	-	2.4	-	.7	-	1.1	-
354	Metal working machinery	2.5	-	1.9	-	2.2	-	.9	-	.6	-
3541	Machine tools, metal cutting types	1.9	-	1.3	-	1.4	-	.6	-	.2	-
3545	Machine tool accessories	1.8	-	1.3	-	1.9	-	.8	-	.3	-
3542,8	Miscellaneous metal working machinery	2.2	-	1.4	-	2.8	-	.7	-	1.5	-
355	Special industry machinery	1.9	-	1.4	-	1.9	-	.8	-	.7	-
3551	Food products machinery	1.7	-	1.3	-	1.8	-	.7	-	.6	-
3552	Textile machinery	2.3	-	1.6	-	2.4	-	.9	-	.9	-
356	General industrial machinery	2.5	-	1.6	-	2.2	-	.7	-	.9	-
3561	Pumps and compressors	2.4	-	1.6	-	1.8	-	.7	-	.4	-
3562	Ball and roller bearings	2.5	-	.8	-	3.0	-	.5	-	1.6	-
3566	Power transmission equipment	1.9	-	1.1	-	2.5	-	.7	-	1.2	-
357	Office and computing machines	2.4	-	1.9	-	1.8	-	.8	-	.4	-
3573	Electronic computing equipment	2.5	-	2.0	-	1.8	-	.8	-	.4	-
358	Service industry machines	3.7	-	2.2	-	2.9	-	.8	-	1.1	-
3585	Refrigeration machinery	4.4	-	2.6	-	3.2	-	.8	-	1.3	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	2.9	-	1.6	-	2.7	-	.9	-	.9	-
361	Electric test and distributing equipment	3.2	-	1.7	-	2.2	-	.9	-	.4	-
3611	Electric measuring instruments	2.2	-	1.5	-	1.4	-	.8	-	.1	-
3612	Transformers	3.8	-	2.3	-	2.9	-	1.1	-	.4	-
3613	Switchgear and switchboard apparatus	3.7	-	1.5	-	2.6	-	.9	-	.6	-
362	Electrical industrial apparatus	2.5	-	1.3	-	2.3	-	.7	-	.8	-
3621	Motors and generators	2.6	-	1.2	-	2.3	-	.7	-	.8	-
3622	Industrial controls	2.1	-	1.3	-	2.1	-	.7	-	.5	-
363	Household appliances	3.8	-	1.8	-	3.4	-	1.2	-	1.2	-
3632	Household refrigerators and freezers	4.3	-	.4	-	4.4	-	1.2	-	1.9	-
3633	Household laundry equipment	3.2	-	1.8	-	1.3	-	.4	-	.4	-
3634	Electric housewares and fans	3.4	-	2.3	-	4.0	-	1.7	-	1.6	-
364	Electric lighting and wiring equipment	3.6	-	2.1	-	3.3	-	1.1	-	1.3	-
3641	Electric lamps	3.2	-	.8	-	4.5	-	.5	-	3.2	-
3642	Lighting fixtures	4.0	-	2.3	-	3.9	-	1.5	-	1.3	-
3643,4	Wiring devices	3.5	-	2.4	-	2.6	-	1.2	-	.6	-
365	Radio and TV receiving equipment	4.2	-	.9	-	5.0	-	1.1	-	2.1	-
366	Communication equipment	1.9	-	1.2	-	1.9	-	.6	-	.4	-
3661	Telephone and telegraph apparatus	1.7	-	1.0	-	1.4	-	.4	-	.3	-
3662	Radio and TV communication equipment	1.9	-	1.2	-	2.1	-	.7	-	.5	-
367	Electronic components and accessories	3.0	-	2.0	-	3.0	-	1.3	-	.9	-
3671-3	Electron tubes	2.6	-	1.2	-	2.1	-	.5	-	.5	-
3674,9	Other electronic components	3.0	-	2.1	-	3.1	-	1.4	-	.9	-
369	Miscellaneous electrical equipment	2.7	-	1.4	-	2.5	-	.9	-	.9	-
3694	Engine electrical equipment	2.5	-	1.2	-	2.6	-	.9	-	.8	-
37	TRANSPORTATION EQUIPMENT	3.9	-	1.9	-	3.4	-	1.0	-	1.5	-
371	Motor vehicles and equipment	3.1	-	1.1	-	2.9	-	.5	-	1.6	-
3711	Motor vehicles	4.0	-	.8	-	4.0	-	.4	-	3.0	-
3712	Passenger car bodies	1.4	-	1.0	-	1.2	-	.2	-	.1	-
3713	Truck and bus bodies	5.1	-	2.9	-	2.6	-	1.4	-	.5	-
3714	Motor vehicle parts and accessories	2.1	-	.9	-	2.1	-	.5	-	.8	-
372	Aircraft and parts	1.8	-	1.0	-	1.7	-	.6	-	.5	-
3721	Aircraft	1.7	-	.9	-	1.7	-	.5	-	.7	-
3722	Aircraft engines and engine parts	1.4	-	.7	-	1.6	-	.8	-	.2	-
3723,9	Other aircraft parts and equipment	2.9	-	1.9	-	2.0	-	.9	-	.5	-
373	Ship and boat building and repairing	6.5	-	3.6	-	5.9	-	1.8	-	2.8	-
3731	Ship building and repairing	6.2	-	3.2	-	6.3	-	1.6	-	3.3	-
374	Railroad equipment	5.2	-	.6	-	3.4	-	.4	-	2.0	-
375,9	Other transportation equipment	10.7	-	7.0	-	8.2	-	4.0	-	2.6	-

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	
		Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p
DURABLE GOODS — Continued											
38	INSTRUMENTS AND RELATED PRODUCTS	2.5	2.9	1.8	2.3	2.3	2.9	0.9	1.3	0.5	0.7
381	Engineering and scientific instruments	1.7	-	1.4	-	1.7	-	.8	-	.4	-
382	Mechanical measuring and control devices	2.6	-	2.0	-	2.1	-	.9	-	.5	-
3821	Mechanical measuring devices	2.2	-	1.9	-	2.0	-	.9	-	.5	-
3822	Automatic temperature controls	3.1	-	2.2	-	2.3	-	.9	-	.4	-
383.5	Optical and ophthalmic goods	3.0	-	2.2	-	2.8	-	1.2	-	.9	-
384	Medical instruments and supplies	3.2	-	2.2	-	2.3	-	1.3	-	.3	-
386	Photographic equipment and supplies	1.6	-	1.2	-	1.7	-	.4	-	.2	-
387	Watches, clocks, and watchcases	3.3	-	2.4	-	5.0	-	1.6	-	2.1	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.0	4.9	2.9	3.1	4.0	4.2	1.8	2.0	1.4	1.4
391	Jewelry, silverware, and plated ware	3.2	-	2.2	-	3.7	-	1.7	-	1.2	-
394	Toys and sporting goods	8.0	-	3.5	-	4.8	-	2.1	-	1.5	-
3941.3	Games, toys, dolls and play vehicles	10.7	-	3.1	-	5.5	-	2.1	-	2.1	-
3949	Sporting and athletic goods, nec	5.3	-	3.9	-	4.0	-	2.0	-	.9	-
395	Pens, pencils, office and art supplies	2.8	-	2.5	-	2.6	-	1.1	-	.8	-
396	Costume jewelry and notions	5.4	-	3.7	-	6.0	-	2.7	-	2.5	-
393.9	Other manufacturing industries	3.8	-	2.4	-	3.4	-	1.4	-	1.3	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	4.1	5.1	2.3	3.1	4.2	5.3	1.7	2.1	1.9	2.4
201	Meat products	4.4	-	3.1	-	4.9	-	2.5	-	1.6	-
2011	Meat packing plants	2.8	-	1.4	-	3.2	-	1.0	-	1.6	-
2015	Poultry dressing plants	7.1	-	6.4	-	7.4	-	5.4	-	.9	-
204	Grain mill products	2.7	-	2.0	-	3.2	-	1.4	-	1.1	-
2041	Flour and other grain mill products	2.8	-	1.7	-	2.3	-	1.0	-	.9	-
2042	Prepared feeds for animals and fowls	3.1	-	2.8	-	3.2	-	2.0	-	.4	-
205	Bakery products	3.0	-	1.7	-	2.4	-	1.1	-	.8	-
2051	Bread, cake, and related products	2.3	-	1.8	-	2.2	-	1.2	-	.6	-
2052	Cookies and crackers	6.4	-	.9	-	3.5	-	1.0	-	1.8	-
207	Confectionery and related products	5.0	-	1.6	-	6.2	-	1.6	-	4.1	-
2071	Confectionery products	6.0	-	1.6	-	7.9	-	1.9	-	5.4	-
208	Beverages	4.1	-	2.2	-	3.5	-	1.3	-	1.5	-
2082	Malt liquors	4.7	-	.9	-	3.4	-	.3	-	2.8	-
21	TOBACCO MANUFACTURES	1.0	-	.5	-	6.0	-	.3	-	5.0	-
211	Cigarettes	.4	-	.1	-	1.5	-	.1	-	.7	-
212	Cigars	3.2	-	2.4	-	2.5	-	1.3	-	1.0	-
22	TEXTILE MILL PRODUCTS	4.0	4.8	2.8	3.8	3.8	4.3	2.1	2.8	.8	.6
221	Weaving mills, cotton	2.8	-	2.1	-	3.0	-	2.0	-	.2	-
222	Weaving mills, synthetics	3.0	-	2.4	-	3.4	-	2.1	-	.5	-
223	Weaving and finishing mills, wool	3.8	-	2.9	-	3.1	-	1.9	-	.6	-
224	Narrow fabric mills	3.5	-	2.7	-	4.4	-	1.8	-	1.6	-
225	Knitting mills	5.2	-	3.5	-	4.3	-	2.1	-	1.0	-
2251	Women's hosiery, except socks	3.4	-	2.7	-	4.9	-	2.2	-	1.6	-
2252	Hosiery, nec	4.5	-	4.0	-	3.1	-	2.4	-	.2	-
2254	Knit underwear mills	4.7	-	3.3	-	3.2	-	2.3	-	.4	-
226	Textile finishing, except wool	3.4	-	2.1	-	3.3	-	1.3	-	1.3	-
227	Floor covering mills	3.1	-	2.5	-	3.4	-	1.9	-	.7	-
228	Yarn and thread mills	4.4	-	3.6	-	4.4	-	2.9	-	.5	-
229	Miscellaneous textile goods	5.3	-	2.6	-	4.9	-	1.4	-	2.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.7	5.9	3.3	3.7	5.1	5.6	2.3	3.0	2.0	1.9
231	Men's and boys' suits and coats	3.4	-	2.2	-	3.5	-	1.4	-	1.4	-
232	Men's and boys' furnishings	5.6	-	3.5	-	5.5	-	2.9	-	1.8	-
2321	Men's and boys' shirts and nightwear	5.0	-	3.1	-	5.5	-	2.5	-	2.2	-
2327	Men's and boys' separate trousers	3.9	-	3.3	-	4.9	-	2.9	-	1.5	-
2328	Men's and boys' work clothing	5.7	-	4.3	-	5.5	-	4.0	-	.7	-
234	Women's and children's undergarments	5.2	-	3.4	-	4.6	-	2.5	-	1.4	-
2341	Women's and children's underwear	5.9	-	4.0	-	4.8	-	2.8	-	1.2	-
2342	Corsets and allied garments	2.8	-	1.5	-	3.8	-	1.3	-	2.1	-
26	PAPER AND ALLIED PRODUCTS	2.5	2.6	1.4	1.8	2.4	2.4	.8	1.1	1.0	.6
261,2.6	Paper and pulp mills	1.4	-	.7	-	1.4	-	.4	-	.6	-
263	Paperboard mills	2.7	-	.8	-	2.7	-	.6	-	1.7	-

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	
		Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p	Feb. 1977	Mar. 1977 ^p
	NONDURABLE GOODS—Continued										
	PAPER AND ALLIED PRODUCTS—Continued										
264	Miscellaneous converted paper products	3.1	-	1.8	-	2.3	-	0.9	-	0.7	-
2643	Bags, except textile bags	2.6	-	2.2	-	2.6	-	1.2	-	.6	-
265	Paperboard containers and boxes	3.1	-	1.7	-	3.3	-	1.1	-	1.4	-
2651,2	Folding and setup paperboard boxes	4.1	-	2.0	-	4.4	-	1.2	-	2.2	-
2653	Corrugated and solid fiber boxes	2.0	-	1.3	-	2.5	-	.9	-	1.0	-
27	PRINTING AND PUBLISHING	2.7	3.0	2.1	2.3	2.6	2.5	1.3	1.4	.8	0.6
28	CHEMICALS AND ALLIED PRODUCTS	1.9	1.9	1.2	1.4	1.5	1.5	.5	.6	.5	.3
281	Industrial chemicals	1.3	-	.8	-	1.0	-	.3	-	.2	-
282	Plastics materials and synthetics	1.7	-	.7	-	1.3	-	.4	-	.4	-
2821	Plastics materials and resins	1.3	-	.9	-	1.6	-	.4	-	.6	-
2823,4	Synthetic fibers	2.1	-	.5	-	.9	-	.3	-	.3	-
283	Drugs	1.5	-	1.2	-	1.2	-	.6	-	.2	-
2834	Pharmaceutical preparations	1.6	-	1.3	-	1.3	-	.6	-	.3	-
284	Soap, cleaners, and toilet goods	2.4	-	1.4	-	2.1	-	.6	-	.6	-
2841	Soap and other detergents	1.5	-	.8	-	1.7	-	.3	-	.5	-
2844	Toilet preparations	3.2	-	1.8	-	2.4	-	.9	-	.6	-
285	Paints and allied products	1.7	-	1.4	-	1.7	-	.6	-	.6	-
286,9	Other chemical products	3.6	-	1.7	-	3.0	-	.6	-	1.8	-
29	PETROLEUM AND COAL PRODUCTS	1.8	2.3	1.3	1.7	1.7	1.6	.5	.6	.4	.3
291	Petroleum refining	1.1	-	1.0	-	1.4	-	.3	-	.3	-
295,9	Other petroleum and coal products	4.1	-	2.2	-	2.5	-	1.0	-	.8	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	4.1	5.1	2.9	3.7	3.7	4.5	1.7	2.3	1.1	1.1
301	Tires and inner tubes	1.4	-	.9	-	1.3	-	.4	-	.2	-
302,3,6	Other rubber products	3.1	-	2.1	-	3.3	-	1.5	-	1.0	-
307	Miscellaneous plastics products	5.4	-	4.0	-	4.7	-	2.3	-	1.4	-
31	LEATHER AND LEATHER PRODUCTS	5.6	6.4	3.4	4.5	5.3	5.7	2.6	3.4	1.8	1.4
311	Leather tanning and finishing	3.9	-	2.4	-	3.4	-	1.4	-	1.1	-
314	Footwear, except rubber	5.5	-	3.4	-	5.3	-	3.0	-	1.5	-
	NONMANUFACTURING										
10	METAL MINING	1.8	2.4	1.3	1.7	1.9	2.8	.9	1.2	.2	.8
101	Iron ores	1.8	-	.6	-	1.3	-	.2	-	.1	-
102	Copper ores	1.0	-	.7	-	1.6	-	.7	-	.3	-
11,12	COAL MINING	4.4	1.5	1.1	1.2	1.3	1.5	.6	.7	.1	.5
12	Bituminous coal and lignite mining	4.4	-	1.1	-	1.2	-	.6	-	(¹)	-
	COMMUNICATION:										
481	Telephone communication	.6	-	-	-	.7	-	.2	-	.1	-
482	Telegraph communication ^{2,3}	(*)	-	-	-	(*)	-	(*)	-	(*)	-

¹ Less than 0.05.

² Data relate to all employees except messengers.

³ Telegraph communication (SIC 482) for October 1976 through January 1977 are:

* Not available.

^ppreliminary.

Months	Accession rates		Separation rates		
	Total	New hires	Total	Quits	Layoffs
1976:					
Oct	1.0	0.7	2.3	0.9	1.0
Nov	.3	.2	1.9	1.0	.5
Dec	.2	.1	.8	.3	.3
Avg	1.2	.7	1.9	.8	.5
1977:					
Jan	1.0	.7	1.3	.6	.4

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	4.2	4.3	4.1	4.1	4.2	4.2	4.3	4.5	4.4	4.7	4.9
1966	4.9	5.0	5.3	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7	4.7
1967	4.5	4.4	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.6
1968	4.4	4.4	4.6	4.6	4.6	4.5	4.5	4.7	4.6	4.8	4.9	4.9
1969	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972	4.3	4.3	4.4	4.3	4.4	4.2	4.3	4.4	4.4	4.5	4.5	4.9
1973	5.0	5.1	5.0	4.8	4.7	4.6	4.6	4.7	4.6	4.8	4.9	4.7
1974	4.6	4.5	4.5	4.6	4.6	4.3	4.3	4.1	3.9	3.6	3.1	3.1
1975	3.1	3.2	3.2	3.7	3.6	3.7	4.0	3.9	3.8	3.7	3.7	3.9
1976	4.1	4.2	4.4	4.1	4.0	3.8	3.8	3.8	3.6	3.5	3.8	4.0
1977	4.0	4.6	4.5 ^p									
New hires												
1965	2.9	3.0	3.1	2.9	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	3.1	3.3	3.3	3.4	3.5
1968	3.3	3.3	3.4	3.5	3.5	3.4	3.4	3.5	3.6	3.6	3.6	3.7
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.6	3.5	3.7	3.6	3.5	3.5
1970	3.4	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972	3.0	3.0	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.6	3.8
1973	4.0	4.2	4.1	3.9	3.9	3.8	3.7	3.7	3.6	3.8	3.9	3.8
1974	3.7	3.6	3.6	3.6	3.5	3.3	3.3	3.1	2.9	2.6	2.2	1.9
1975	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.2	2.2	2.2	2.5
1976	2.6	2.8	3.0 ^p	2.8	2.7	2.7	2.5	2.5	2.4	2.3	2.4	2.5
1977	2.7	2.9	3.1 ^p									
Total separations												
1965	3.8	3.8	3.8	4.0	4.0	4.0	3.9	4.4	4.1	4.3	4.3	4.5
1966	4.3	4.3	4.5	4.5	4.6	4.7	4.9	4.8	4.6	4.6	4.8	4.9
1967	4.8	4.9	4.9	4.7	4.6	4.6	4.5	4.3	4.5	4.5	4.4	4.5
1968	4.7	4.6	4.5	4.5	4.4	4.5	4.6	4.7	4.7	4.6	4.6	4.6
1969	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972	4.2	4.1	4.0	4.3	4.2	4.5	4.4	4.1	4.0	4.2	4.2	4.5
1973	4.5	4.6	4.6	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.7	4.7
1974	4.9	4.9	4.8	4.7	4.6	4.6	4.5	4.5	4.5	4.9	5.1	4.9
1975	5.2	5.0	4.5	4.4	4.6	4.3	3.9	3.8	3.9	3.8	3.8	3.6
1976	3.5	3.6	3.8 ^p	3.8	3.8	3.9	3.9	4.0	4.1	4.0	3.6	3.6
1977	3.9	4.1	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	2.6	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	2.3	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	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
1970	2.5	2.5	2.3	2.3	2.1	2.1	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	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.6
1973	2.7	2.9	2.8	2.8	2.7	2.7	2.8	2.7	2.6	2.8	2.8	2.7
1974	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.8	1.6
1975	1.4	1.3	1.2	1.2	1.3	1.3	1.4	1.4	1.3	1.4	1.6	1.6
1976	1.6	1.7	1.8 ^p	1.8	1.7	1.8	1.7	1.7	1.6	1.5	1.5	1.7
1977	1.8	1.9	1.9 ^p									
Layoffs												
1965	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.4	1.4	1.4
1966	1.2	1.1	1.1	1.1	1.1	1.2	1.5	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	1.3	1.2	1.2	1.1	1.1
1969	1.0	1.1	1.1	1.0	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.6	1.9	1.9	2.2	2.0	1.7
1971	1.7	1.5	1.5	1.5	1.6	1.5	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	1.3	1.1	1.0	1.0	.9	.9
1973	.8	.7	.8	.8	.8	.8	1.1	.9	.9	.9	.9	1.0
1974	1.3	1.2	1.1	1.0	1.1	1.2	1.2	1.3	1.5	2.0	2.4	2.4
1975	2.9	2.9	2.6	2.4	2.5	2.2	1.7	1.6	1.8	1.7	1.5	1.3
1976	1.1	1.0	1.1 ^p	1.2	1.3	1.3	1.4	1.4	1.7	1.6	1.3	1.1
1977	1.3	1.4	1.0 ^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	
	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P
ALABAMA:										
Birmingham ¹	2.6	3.7	1.2	1.5	3.9	7.4	0.8	0.8	2.2	5.5
Mobile ^{1 2}	8.5	8.9	1.2	1.8	8.5	7.6	1.6	1.3	6.2	5.6
ALASKA ¹	12.9	12.2	8.9	7.1	10.9	10.9	4.8	5.1	4.2	5.0
ARIZONA ¹	3.6	3.2	2.9	2.4	3.6	3.2	1.8	1.6	1.1	.7
Phoenix ¹	3.7	3.3	3.0	2.6	3.3	3.0	1.7	1.6	.8	.5
ARKANSAS ³	6.4	4.8	4.9	3.8	5.2	4.2	3.1	2.6	1.2	.7
Fort Smith ³	13.5	5.8	12.1	5.2	5.9	6.6	4.0	4.2	.9	1.1
Little Rock-North Little Rock ³	5.0	4.4	3.6	3.3	3.7	2.9	2.4	1.9	.7	.3
Pine Bluff ³	4.9	4.4	4.1	3.5	4.2	2.2	2.8	1.6	.7	.2
COLORADO	4.3	4.2	2.9	2.8	3.7	3.3	1.9	1.7	.9	.9
Denver-Boulder	3.8	3.3	2.9	2.9	2.7	2.9	1.6	1.6	.4	.5
CONNECTICUT ¹	2.8	2.2	1.6	1.3	2.9	2.4	1.0	1.0	.9	.7
Hartford	1.9	1.9	.9	1.0	4.1	2.2	.8	1.4	1.0	.3
DELAWARE ^{2 3}	1.7	12.8	.8	.8	2.9	11.3	.6	.6	1.3	10.2
Wilmington ^{2 3}	1.7	12.7	.6	.6	4.1	11.5	.5	.5	2.7	10.5
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
FLORIDA ¹	5.2	4.0	3.8	3.3	4.0	3.6	2.1	2.0	1.0	.8
Fort Lauderdale-Hollywood ¹	5.4	4.6	4.9	3.8	5.4	4.4	2.9	2.7	1.2	.6
Jacksonville ¹	4.2	3.6	2.9	3.0	3.1	4.1	1.7	1.4	.7	1.5
Miami ¹	4.9	4.0	4.4	3.6	3.5	3.6	1.9	2.4	.7	.5
Orlando ¹	4.1	4.0	3.4	3.4	2.8	3.4	1.3	1.4	.8	1.2
Pensacola ¹	3.4	1.2	1.7	1.1	3.7	1.9	1.0	.7	2.2	.7
Tampa-St. Petersburg ¹	5.0	4.3	3.4	3.3	4.7	4.0	2.4	2.2	1.4	1.1
West Palm Beach-Boca Raton ¹	8.0	4.5	1.9	4.5	2.4	4.5	1.4	2.9	.2	.2
GEORGIA	3.4	3.5	2.5	2.6	3.9	3.4	2.0	1.8	1.0	.8
Atlanta ⁴	2.8	2.7	1.9	2.1	3.2	3.4	1.4	1.2	1.1	1.5
HAWAII ⁵	2.3	1.7	1.2	1.3	2.2	1.9	1.0	.8	.2	.4
IDAHO ^{3 6}	4.6	3.7	3.7	3.0	5.2	5.3	2.4	1.8	2.1	2.6
ILLINOIS:										
Chicago SMSA ³	3.3	2.8	2.2	2.0	3.0	2.8	1.3	1.2	.7	.6
INDIANA	2.9	3.6	1.4	1.6	3.4	2.7	.9	.8	1.9	1.2
Indianapolis ⁷	2.1	2.5	1.1	1.3	3.2	1.5	.6	.6	1.7	.4
IOWA	3.3	2.7	2.1	1.7	3.1	2.4	1.3	1.1	1.3	.8
Cedar Rapids	3.5	1.9	1.0	.8	2.8	1.9	.8	.6	1.7	1.0
Des Moines	2.5	3.1	1.7	1.5	4.0	3.2	1.5	1.6	1.7	.6
KANSAS ³	4.2	3.6	3.2	3.0	4.4	3.2	2.3	2.0	1.2	.5
Topeka ³	3.1	3.5	1.9	2.7	2.9	1.5	1.1	.8	.9	.1
Wichita ³	3.4	3.0	2.8	2.6	3.9	3.0	2.0	1.7	.8	.5
KENTUCKY ¹	3.5	3.9	1.7	1.9	3.4	3.2	1.1	.9	1.4	1.5
Louisville ¹	2.5	2.5	.8	.9	2.4	2.1	.4	.4	.9	.9
LOUISIANA:										
New Orleans ¹	3.4	3.0	2.5	2.2	3.9	3.1	1.6	1.3	1.4	.8
MAINE ³	5.6	4.9	3.5	3.5	5.3	4.7	2.5	2.3	1.9	1.5
Portland ³	2.9	2.5	2.2	1.8	3.7	3.0	1.4	1.4	1.5	.8
MARYLAND ³	2.8	3.3	1.4	1.3	3.3	2.8	.8	.7	2.0	1.5
Baltimore ³	2.6	3.4	1.2	1.3	3.2	2.8	.6	.6	2.0	1.5
MASSACHUSETTS ¹	3.4	3.1	2.0	2.0	3.2	2.7	1.2	1.0	1.1	1.0
Boston ¹	2.6	2.7	1.7	1.8	2.6	2.4	1.0	.8	.9	.9
MICHIGAN	2.9	(*)	1.3	(*)	2.4	(*)	.6	(*)	.9	(*)
Detroit	2.7	(*)	1.4	(*)	2.4	(*)	.7	(*)	.8	(*)
Flint	1.4	(*)	.7	(*)	1.6	(*)	.3	(*)	.4	(*)
Grand Rapids	4.6	(*)	2.0	(*)	4.7	(*)	.8	(*)	3.0	(*)
Lansing-East Lansing	3.6	(*)	.8	(*)	4.7	(*)	.7	(*)	2.0	(*)

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	
	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P
MINNESOTA ³	3.4	2.9	2.0	1.9	3.2	2.5	1.3	1.2	1.4	0.8
Minneapolis—St. Paul ³	3.1	2.7	2.0	1.8	2.7	1.9	1.2	1.0	1.0	.4
MISSISSIPPI:										
Jackson ³	3.0	2.8	1.8	1.3	3.0	2.2	1.6	1.3	.6	.2
MISSOURI	3.2	2.8	1.8	1.8	3.5	2.7	1.3	1.1	1.5	1.0
Kansas City	3.5	3.0	2.2	2.1	2.8	2.5	1.3	1.4	.8	.5
St. Louis	2.5	2.4	1.3	1.3	3.1	2.4	.9	.7	1.5	1.2
MONTANA	2.8	2.4	1.7	1.7	2.2	3.1	1.1	1.6	.7	.7
NEBRASKA	3.9	3.7	3.0	3.1	3.9	3.7	2.0	2.2	1.2	.9
NEVADA	5.6	6.0	4.7	4.4	5.1	5.1	2.4	2.5	1.5	.7
NEW HAMPSHIRE ³	3.3	3.3	2.5	2.5	3.4	3.7	1.7	1.7	.9	.7
NEW JERSEY:										
Camden ^{1 8}	3.5	4.3	1.6	1.4	3.1	3.5	.9	.6	1.4	2.2
Hackensack ¹	3.3	4.2	2.4	2.8	3.8	3.4	1.5	1.2	1.4	1.3
Jersey City ¹	4.2	3.6	1.6	1.6	4.6	2.9	.7	.8	3.3	1.3
Newark ¹	3.2	3.0	2.0	1.8	4.2	2.4	.9	.8	2.4	.8
New Brunswick—Perth Amboy—Sayreville ¹	4.9	4.7	3.0	2.9	3.8	3.0	1.0	1.1	1.7	.7
Peterson—Clifton—Passaic ¹	4.1	3.7	2.4	1.3	4.6	2.9	1.5	1.0	2.4	1.1
Trenton ¹	2.5	2.5	1.3	1.5	2.4	1.7	.6	.5	1.0	.5
NEW YORK	3.6	4.2	1.9	1.8	4.3	3.3	.9	.8	2.5	1.7
Albany—Schenectady—Troy	2.1	2.5	1.1	.9	3.0	3.0	.5	.4	1.3	1.7
Binghamton	2.2	2.5	1.6	1.4	2.9	1.6	1.0	.8	1.5	.4
Buffalo	2.1	4.8	.9	1.0	4.3	2.2	.3	.4	3.2	1.2
Elmira	2.6	2.3	1.5	1.4	2.8	2.5	.8	.6	1.0	.9
Monroe County ⁹	1.5	1.8	1.1	1.2	1.8	2.0	.6	.5	.6	.6
Nassau—Suffolk ¹⁰	4.5	3.9	3.2	2.6	4.5	3.8	1.7	1.5	1.9	1.5
New York and Nassau—Suffolk	4.8	4.6	2.6	2.5	5.4	3.5	1.2	1.1	3.3	1.7
New York SMSA ¹⁰	4.9	4.8	2.5	2.4	5.6	3.4	1.1	1.0	3.6	1.7
New York City ¹¹	5.1	5.1	2.6	2.5	6.0	3.6	1.1	1.0	3.9	1.9
Rochester	2.0	2.1	1.2	1.3	2.3	2.5	.7	.5	1.0	1.1
Syracuse	2.3	3.6	1.2	1.2	2.5	3.8	.7	.8	.8	2.1
Utica—Rome	2.6	3.6	1.4	1.1	5.7	3.2	.9	.6	4.0	2.1
Westchester County ¹¹	3.2	2.5	2.1	1.7	2.9	2.2	.8	.8	1.4	.7
NORTH CAROLINA	3.6	3.3	2.9	2.7	3.8	3.5	2.2	2.0	.8	.8
Charlotte—Gastonia	4.6	4.3	3.5	3.8	3.7	3.7	2.4	2.5	.4	.3
Greensboro—Winston-Salem—High Point	3.5	3.2	2.8	2.7	3.7	3.1	2.2	2.0	.8	.4
NORTH DAKOTA	2.2	2.9	1.6	1.8	6.5	3.5	1.6	1.7	4.2	1.3
Fargo—Moorhead	2.0	5.3	1.6	2.9	5.3	3.7	2.2	2.0	2.6	1.2
OHIO ³	2.7	3.0	1.0	1.1	3.2	2.4	.7	.6	1.8	1.2
Akron ³	1.8	1.9	.6	.6	2.1	1.6	.5	.4	1.2	.7
Canton ³	3.6	2.9	1.2	.7	3.5	2.7	.5	.5	2.2	1.5
Cincinnati ³	2.8	3.0	1.3	1.2	3.3	2.1	.8	.6	1.8	.8
Cleveland ³	2.7	2.8	1.3	1.5	2.6	2.5	.9	.8	.9	.8
Columbus ³	2.3	4.0	1.0	1.3	2.2	3.7	.6	.8	.9	2.4
Dayton ³	2.2	2.5	1.2	1.5	2.3	1.7	.6	.6	.6	.4
Toledo ³	2.2	1.8	.9	.9	2.3	1.9	.5	.4	1.1	.9
Youngstown—Warren ³	3.0	4.5	.3	.2	5.6	2.8	.2	.1	4.1	1.6
OKLAHOMA ³	5.2	4.5	4.4	3.9	4.6	4.5	3.0	3.0	.7	.6
Oklahoma City ³	5.0	4.4	4.1	3.9	4.7	4.0	2.9	2.8	.6	.5
Tulsa ^{3 12}	4.4	4.3	3.7	3.5	4.1	3.9	2.7	2.7	.6	.2
OREGON ^{1 2}	4.0	4.0	3.0	2.9	4.1	4.4	1.7	1.8	1.5	1.9
Portland ^{1 2}	4.2	3.9	2.9	2.8	4.1	4.2	1.6	1.6	1.9	1.7
PENNSYLVANIA ³	3.8	4.5	1.3	1.1	4.4	4.4	.7	.7	3.0	3.1
Allentown—Bethlehem—Easton ³	4.0	2.7	1.3	1.1	3.5	3.5	.8	.6	2.2	2.3
Alltoona ³	5.5	5.2	1.9	2.2	4.5	4.8	1.3	1.1	1.8	3.3
Erie ³	4.0	4.9	.9	1.0	3.8	3.4	.6	.7	2.4	2.0
Harrisburg ³	3.2	3.3	1.9	1.2	3.4	4.2	.9	.9	1.8	2.5
Johnstown ³	3.1	4.8	1.1	.6	5.1	2.5	.6	.6	3.5	1.5
Lancaster ³	2.9	5.3	2.0	2.0	3.4	4.2	1.2	.8	1.5	2.9

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	
	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P	Jan. 1977	Feb. 1977 ^P
PENNSYLVANIA—Continued										
Northeast Pennsylvania ³	5.8	5.0	1.4	1.5	4.9	3.5	0.7	1.0	3.0	2.2
Philadelphia SMSA ³	2.9	4.1	1.5	1.1	3.7	4.6	.9	.6	2.0	3.3
Pittsburgh ³	3.6	5.0	.6	.7	5.7	4.8	.3	.3	4.8	3.6
Reading ³	3.5	4.9	2.1	1.3	4.1	5.6	1.0	.9	2.4	4.0
Scranton ^{3 13}	4.7	3.7	1.5	2.2	4.6	3.0	.9	1.2	2.4	1.3
Wilkes-Barre-Hazleton ^{3 13}	6.2	6.5	1.4	1.5	5.4	4.9	.7	.9	3.8	3.7
Williamsport ³	2.4	2.3	1.3	1.2	2.1	2.4	.7	.6	1.0	1.3
York ³	4.0	3.2	1.8	1.6	3.4	3.5	1.0	1.3	1.8	1.4
RHODE ISLAND¹										
Providence-Warwick-Pawtucket ¹	5.4	4.8	3.5	3.2	5.4	4.4	2.5	2.2	1.9	1.3
	5.2	4.7	3.4	3.3	5.3	4.3	2.6	2.2	1.7	1.2
SOUTH CAROLINA:										
Greenville-Spartanburg ³	3.5	3.1	3.1	2.7	3.9	3.4	2.4	2.0	.4	.4
SOUTH DAKOTA										
Sioux Falls	3.9	2.4	3.1	1.7	3.6	3.7	1.7	1.7	1.4	1.2
	3.9	1.0	2.5	1.1	2.9	3.9	1.4	1.3	1.2	2.1
TENNESSEE:										
Memphis	3.9	3.1	2.3	2.1	3.2	2.4	1.1	1.1	1.2	.5
TEXAS:										
Dallas-Fort Worth ³	4.3	4.0	3.7	3.6	3.8	3.9	2.4	2.5	.6	.6
Houston ³	3.8	3.2	3.3	2.9	4.0	3.3	2.4	2.2	.7	.3
San Antonio ³	3.4	3.5	3.0	2.9	4.0	3.0	2.2	1.8	1.1	.5
UTAH^{3 6}										
Salt Lake City-Ogden ^{3 6}	5.3	4.0	4.1	3.4	6.4	4.0	3.0	2.1	2.3	.9
	4.8	3.7	4.0	3.3	4.0	3.7	2.6	2.1	.4	.5
VERMONT										
Burlington	5.7	3.5	2.2	1.8	3.1	2.5	1.1	1.0	1.5	.9
Springfield	2.8	2.6	1.9	1.3	2.5	1.0	.5	.2	1.6	.6
	3.4	2.6	1.7	1.3	2.6	1.9	.6	.6	1.4	.7
VIRGINIA³										
Richmond ³	3.2	3.4	2.1	2.1	3.2	2.6	1.3	1.2	1.2	.8
	1.3	1.9	1.1	1.0	2.1	1.5	.6	.6	1.0	.5
WASHINGTON:										
Seattle-Everett ¹⁴	4.2	3.1	2.1	1.7	3.8	2.8	1.1	.9	2.1	1.3
WISCONSIN										
Milwaukee	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
WYOMING¹										
	4.7	4.3	4.2	4.1	5.9	5.7	3.3	3.3	1.2	1.9

¹ Based on 1972 Standard Industrial Classification; not strictly comparable with previously published data.

² Excludes canning and preserving.

³ Based on the 1972 Standard Industrial Classification.

⁴ Excludes agricultural chemicals, and miscellaneous manufacturing.

⁵ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁶ Excludes canning and preserving, and sugar.

⁷ Excludes canning and preserving, and newspapers.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁹ Subarea of Rochester Standard Metropolitan Statistical Area.

¹⁰ Area included in New York and Nassau-Suffolk combined SMSA's.

¹¹ Subarea of New York Standard Metropolitan Statistical Area.

¹² Excludes new-hire rate for transportation equipment.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹⁴ Excludes canning and preserving, printing and publishing.

^P preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1976	FEB. 1977 [±]	MAR. 1977P	MAR. 1976	FEB. 1977 [±]	MAR. 1977P	MAR. 1976	FEB. 1977 [±]	MAR. 1977P
ALABAMA	1,453.8	1,475.5	1,483.6	103.1	107.3	95.3	7.1	7.3	6.4
Birmingham	346.9	355.9	356.4	24.4	26.1	21.7	7.0	7.3	6.1
Huntsville	120.0	121.0	121.1	9.3	9.8	7.8	7.7	8.1	6.4
Mobile	158.4	166.2	165.1	9.7	11.8	10.9	6.1	7.1	6.6
Montgomery	102.3	101.9	102.6	5.3	5.5	5.0	5.2	5.4	4.9
Tuscaloosa	51.5	50.5	51.1	3.0	2.8	2.9	5.8	5.5	5.7
ALASKA	153.5	148.8	150.6	14.8	21.6	21.7	9.7	14.5	14.4
ARIZONA	956.3	949.5	953.2	107.2	77.9	76.0	11.2	8.2	8.0
Phoenix	560.5	554.2	557.0	65.0	42.7	42.1	11.6	7.7	7.6
Tucson	183.1	182.0	182.5	16.8	13.0	12.8	9.2	7.1	7.0
ARKANSAS	854.6	861.7	877.1	67.2	64.4	56.7	7.9	7.5	6.5
Fayetteville-Springdale	63.7	65.8	66.1	4.3	4.0	3.4	6.8	6.1	5.1
Fort Smith ¹	73.5	76.8	76.9	5.6	5.2	4.9	7.6	6.8	6.3
Little Rock-North Little Rock	164.4	166.5	167.6	9.7	8.8	7.2	5.9	5.3	4.3
Pine Bluff	33.2	32.3	32.7	2.7	2.2	2.1	8.1	6.9	6.4
CALIFORNIA	9,569.4	9,700.0	9,775.2	967.5	831.0	836.0	10.1	8.6	8.6
Anaheim-Santa Ana-Garden Grove	808.5	839.4	845.3	52.5	42.7	40.2	6.5	5.1	4.8
Bakersfield	145.2	144.1	146.4	13.5	12.5	13.9	9.3	8.7	9.5
Fresno	209.4	220.4	222.2	21.3	20.1	21.7	10.2	9.1	9.8
Los Angeles-Long Beach	3,271.5	3,295.3	3,310.1	311.4	257.1	254.0	9.5	7.8	7.7
Modesto	110.6	116.6	119.5	18.6	18.0	19.2	16.8	15.4	16.1
Oxnard-Simi Valley-Ventura	173.6	177.7	180.6	16.0	13.0	13.3	9.2	7.3	7.4
Riverside-San Bernardino-Ontario	488.9	485.4	489.3	51.8	43.9	43.7	10.6	9.0	8.9
Sacramento	377.5	397.1	403.1	35.9	32.6	35.8	9.5	8.2	8.9
Salinas-Seaside-Monterey	105.6	105.5	110.0	10.9	10.3	10.1	10.3	9.8	9.2
San Diego	654.3	655.9	656.7	84.3	71.7	69.2	12.9	10.9	10.5
San Francisco-Oakland	1,507.1	1,505.2	1,510.3	162.8	139.3	139.3	10.8	9.3	9.2
San Jose	560.6	563.2	569.0	50.1	39.5	40.1	8.9	7.0	7.0
Santa Barbara-Santa Maria-Lompoc	122.5	128.3	129.1	9.4	9.7	8.6	7.7	7.6	6.7
Santa Rosa	99.8	102.1	103.6	12.6	9.9	10.4	12.6	9.7	10.0
Stockton	135.8	135.6	140.8	17.2	15.1	17.3	12.7	11.1	12.3
Vallejo-Fairfield-Napa	101.8	107.0	108.0	7.4	8.0	8.3	7.3	7.5	7.7
COLORADO	1,184.1	1,209.0	1,219.1	79.9	80.0	81.0	6.8	6.6	6.6
Denver-Boulder	704.9	722.5	725.6	47.6	46.7	46.9	6.8	6.5	6.5
CONNECTICUT	1,451.8	1,451.0	1,456.3	146.2	131.6	127.3	10.1	9.1	8.7
Bridgeport	183.4	179.7	180.2	21.1	17.2	15.9	11.5	9.5	8.8
Hartford	342.6	344.2	345.3	29.8	29.6	27.9	8.7	8.6	8.1
New Britain	70.5	69.7	69.2	8.1	6.8	6.9	11.5	9.7	10.0
New Haven-West Haven	195.1	193.2	194.4	20.5	19.3	20.3	10.5	10.0	10.4
Stamford	104.1	106.2	106.6	7.7	7.1	6.6	7.4	6.6	6.2
Waterbury	106.0	104.9	105.2	12.2	10.8	10.4	11.5	10.3	9.9
DELAWARE	258.1	260.9	261.8	23.0	31.1	23.8	8.9	11.9	9.1
Wilmington ¹	230.2	N.A.	229.3	19.9	N.A.	20.1	8.7	N.A.	8.7
DISTRICT OF COLUMBIA	331.5	329.5	332.5	31.1	28.4	28.5	9.4	8.6	8.6
Washington SMSA ¹	1,438.5	1,443.4	1,456.6	79.1	71.1	71.3	5.5	4.9	4.9
FLORIDA	3,556.8	3,576.9	3,561.2	349.6	289.8	261.2	9.8	8.1	7.3
Fort Lauderdale-Hollywood	354.5	359.5	357.6	44.5	35.8	31.3	12.6	10.0	8.8
Jacksonville	296.5	299.0	299.2	18.8	18.1	16.8	6.3	6.1	5.6
Miami	685.3	668.1	666.8	71.1	54.7	53.6	10.4	8.2	8.0
Orlando	272.5	278.1	276.9	27.7	21.4	19.3	10.2	7.7	7.0
Pensacola	105.0	110.3	110.2	5.9	5.5	5.0	5.6	5.0	4.5
Tampa-St. Petersburg	547.7	553.9	551.7	56.5	44.8	40.1	10.3	8.1	7.3
West Palm Beach-Boca Raton	199.8	208.2	204.7	22.5	20.2	17.7	11.3	9.7	8.6
GEORGIA	2,187.7	2,174.5	2,189.4	190.8	161.0	146.7	8.7	7.4	6.7
Atlanta	880.7	887.9	887.8	75.3	61.6	56.2	8.5	6.9	6.3
Augusta ¹	113.8	117.5	117.3	10.0	9.6	8.0	8.8	8.2	6.8
Columbus ¹	83.9	81.8	82.0	7.0	5.7	5.2	8.3	7.0	6.4
Macon	99.8	98.3	98.2	9.8	8.8	8.1	9.9	8.9	8.2
Savannah	80.3	81.1	81.7	7.5	6.2	6.0	9.3	7.6	7.4

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1976	FEB. 1977 ^F	MAR. 1977P	MAR. 1976	FEB. 1977 ^F	MAR. 1977P	MAR. 1976	FEB. 1977 ^F	MAR. 1977P
HAWAII	399.7	393.6	395.5	40.5	32.5	31.9	10.1	8.2	8.1
Honolulu	321.0	315.9	317.8	31.4	24.8	24.9	9.8	7.6	7.8
IDAHO	351.2	365.3	367.9	24.3	28.8	25.3	6.9	7.9	6.9
Boise City	68.7	73.6	73.8	3.1	4.0	3.1	4.5	5.5	4.1
ILLINOIS	5,008.9	5,094.5	5,117.2	356.3	344.1	308.6	7.1	6.8	6.0
Bloomington—Normal	57.5	57.8	58.0	2.4	2.9	2.4	4.3	5.1	4.1
Champaign—Urbana—Rantoul	76.8	73.3	74.3	3.4	3.8	3.3	4.4	5.2	4.4
Chicago	3,166.1	3,199.3	3,205.0	228.9	191.2	176.5	7.2	6.0	5.5
Davenport—Rock Island—Moline ¹	171.8	174.4	175.8	9.2	9.4	8.2	5.4	5.4	4.7
Decatur	58.1	59.1	58.9	4.4	5.4	4.5	7.7	9.1	7.7
Peoria	167.4	166.1	166.7	8.0	10.3	8.9	4.8	6.2	5.4
Rockford	131.2	128.7	129.4	11.8	9.0	8.2	9.0	7.0	6.3
Springfield	89.2	89.7	88.3	5.6	7.1	6.1	6.3	7.9	6.9
INDIANA	2,398.9	2,414.5	2,421.5	176.9	172.3	138.4	7.4	7.1	5.7
Evansville ¹	130.8	131.1	130.7	6.9	6.6	5.8	5.2	5.0	4.5
Fort Wayne	176.8	173.2	175.7	13.1	9.7	8.4	7.4	5.6	4.8
Gary—Hammond—East Chicago	273.2	273.6	273.4	19.6	21.4	16.0	7.2	7.8	5.8
Indianapolis	555.5	550.6	551.8	45.4	38.4	34.9	8.2	7.0	6.3
Muncie	55.2	56.3	55.4	4.2	5.1	2.9	7.7	9.0	5.2
South Bend	133.2	132.8	132.3	8.2	8.3	6.4	6.1	6.3	4.9
Terre Haute	75.9	75.0	75.4	5.1	5.2	4.6	6.6	6.9	6.1
IOWA	1,301.6	1,290.1	1,310.8	63.2	61.2	54.2	4.9	4.7	4.1
Cedar Rapids	77.6	77.5	77.5	3.7	3.3	3.2	4.7	4.2	4.1
Des Moines	161.3	159.8	161.3	8.1	7.4	6.4	5.0	4.6	4.0
Dubuque	40.6	40.5	40.8	2.4	2.3	2.1	6.0	5.8	5.2
Sioux City ¹	56.3	56.0	57.0	2.5	2.9	2.9	4.5	5.1	5.1
Waterloo—Cedar Falls	60.6	60.3	60.9	3.9	3.1	2.8	6.5	5.1	4.6
KANSAS	1,069.5	1,089.1	1,098.9	46.6	50.2	43.2	4.4	4.6	3.9
Topeka	84.7	84.8	85.5	4.1	4.1	3.4	4.8	4.8	4.0
Wichita	188.4	192.7	192.5	10.8	10.5	10.1	5.7	5.5	5.2
KENTUCKY	1,419.0	1,441.0	1,447.3	95.0	102.6	81.2	6.7	7.1	5.6
Lexington—Fayette	144.9	151.7	154.1	5.4	5.8	4.8	3.7	3.9	3.1
Louisville ¹	384.8	384.2	385.2	28.0	26.1	21.3	7.3	6.8	5.5
LOUISIANA	1,452.2	1,496.3	1,499.5	94.1	116.8	110.3	6.5	7.8	7.4
Baton Rouge	184.6	190.0	189.3	8.6	12.9	11.9	4.7	6.6	6.3
Lake Charles	59.1	60.8	61.5	4.4	5.2	5.7	7.4	8.6	9.2
Monroe	48.1	47.6	48.1	3.5	4.0	4.2	7.3	8.5	8.7
New Orleans	433.7	442.6	443.3	29.9	36.2	35.2	6.9	8.2	7.9
Shreveport	137.9	140.5	140.0	10.1	9.6	8.4	7.4	6.8	6.0
MAINE	454.1	468.9	472.5	47.3	48.3	47.6	10.4	10.3	10.1
Lewiston—Auburn	36.0	37.5	37.6	3.4	3.2	3.1	9.4	8.6	8.2
Portland	83.7	86.3	87.0	8.0	8.2	8.0	9.5	9.5	9.2
MARYLAND	1,879.0	1,892.9	1,901.4	143.9	145.5	125.1	7.7	7.7	6.6
Baltimore	957.1	960.3	963.2	83.9	85.9	75.7	8.8	8.9	7.9
MASSACHUSETTS	2,763.3	2,687.8	2,696.5	304.5	204.8	198.3	11.0	7.6	7.4
Boston	1,352.5	1,300.0	1,311.4	136.8	90.3	87.1	10.1	6.9	6.6
Brockton	77.6	77.2	77.1	8.9	6.5	6.4	11.5	8.5	8.4
Fall River ¹	74.2	71.3	70.9	8.0	6.7	6.4	10.8	9.4	9.0
Lawrence—Haverhill ¹	131.8	124.9	125.1	18.6	12.1	11.9	14.1	9.7	9.5
Lowell ¹	106.1	104.0	102.9	12.8	8.4	8.2	12.1	8.0	7.9
New Bedford	80.9	77.7	77.5	11.3	8.1	7.6	14.0	10.5	9.8
Springfield—Chicopee—Holyoke ¹	271.5	265.2	265.5	28.6	18.0	18.0	10.5	6.8	6.8
Worcester	188.9	183.0	183.6	21.4	11.6	11.7	11.3	6.3	6.4
MICHIGAN	3,945.0	3,994.9	4,019.8	418.8	348.4	325.3	10.6	8.7	8.1
Ann Arbor	127.4	132.0	132.0	11.9	9.2	8.3	9.3	7.0	6.3
Battle Creek	82.1	80.6	80.7	9.1	7.0	6.2	11.1	8.7	7.7
Bay City	50.8	50.7	50.7	5.5	4.2	3.9	10.9	8.4	7.7
Detroit	1,873.3	1,878.0	1,897.6	190.5	158.0	145.6	10.2	8.4	7.7
Flint	208.1	213.1	211.1	22.8	18.5	16.5	11.0	8.7	7.8

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1976	FEB. 1977 [±]	MAR. 1977P	MAR. 1976	FEB. 1977 [±]	MAR. 1977P	MAR. 1976	FEB. 1977 [±]	MAR. 1977P
MICHIGAN—Continued									
Grand Rapids	263.2	277.0	279.1	23.1	18.4	17.5	8.8	6.6	6.3
Jackson	65.5	64.7	64.9	7.5	6.0	5.9	11.4	9.2	9.1
Kalamazoo—Portage	127.1	129.4	129.8	10.3	8.8	8.3	8.1	6.8	6.4
Lansing—East Lansing	211.5	219.0	220.6	19.3	15.5	15.4	9.1	7.1	7.0
Muskegon—Norton Shores—Muskegon Heights	76.3	74.4	74.9	8.4	6.8	6.3	11.0	9.2	8.4
Saginaw	98.1	96.6	97.2	9.7	6.6	6.3	9.9	6.8	6.5
MINNESOTA									
Duluth—Superior	1,818.6	1,821.2	1,825.7	131.0	123.3	117.2	7.2	6.8	6.4
Minneapolis—St. Paul	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	994.1	1,001.1	1,003.0	73.9	63.1	60.1	7.4	6.3	6.0
MISSISSIPPI									
Jackson	922.0	949.0	959.1	63.5	64.0	60.1	6.9	6.7	6.3
	130.1	135.3	136.5	7.2	7.0	6.4	5.6	5.1	4.7
MISSOURI									
Kansas City ¹	2,117.6	2,113.6	2,127.4	144.9	140.0	120.2	6.8	6.6	5.7
St. Joseph	600.7	596.0	598.7	40.1	38.2	32.9	6.7	6.4	5.5
St. Louis ¹	44.7	45.5	45.7	3.0	3.2	2.6	6.7	6.9	5.7
Springfield	1,038.1	1,024.5	1,025.1	80.9	75.9	66.5	7.8	7.4	6.5
	91.0	94.2	95.0	5.4	4.7	4.1	5.9	4.9	4.3
MONTANA									
Billings	326.9	N.A.	N.A.	24.0	N.A.	N.A.	7.3	N.A.	N.A.
Great Falls	47.6	N.A.	N.A.	2.7	N.A.	N.A.	5.6	N.A.	N.A.
	32.8	N.A.	N.A.	2.4	N.A.	N.A.	7.2	N.A.	N.A.
NEBRASKA									
Lincoln	703.1	699.8	714.9	30.1	25.8	25.1	4.3	3.7	3.5
Omaha ¹	99.4	101.3	101.9	3.7	2.8	2.7	3.7	2.7	2.6
	251.4	251.8	254.3	16.1	13.0	12.7	6.4	5.2	5.0
NEVADA									
Las Vegas	293.2	306.8	310.7	29.6	26.5	25.2	10.1	8.6	8.1
Reno	160.1	168.4	170.4	16.6	15.3	14.7	10.3	9.1	8.6
	80.6	85.7	86.6	6.7	6.2	5.8	8.3	7.3	6.7
NEW HAMPSHIRE									
Manchester	372.0	N.A.	N.A.	28.3	N.A.	N.A.	7.6	N.A.	N.A.
	62.6	N.A.	N.A.	5.0	N.A.	N.A.	8.1	N.A.	N.A.
NEW JERSEY									
Atlantic City	3,277.4	3,232.8	3,258.4	372.2	352.1	329.0	11.4	10.9	10.1
Jersey City	73.7	73.0	73.3	11.4	12.7	11.3	15.5	17.3	15.4
Long Branch—Asbury Park	262.0	254.9	254.1	37.6	38.0	35.5	14.3	14.9	14.0
Newark	201.2	202.4	204.8	21.8	22.0	21.2	10.8	10.9	10.3
New Brunswick—Perth Amboy—Sayreville	918.8	898.1	902.1	102.6	88.6	82.9	11.2	9.9	9.2
Paterson—Clifton—Passaic	285.2	280.0	282.3	31.4	29.5	27.4	11.0	10.5	9.7
Trenton	204.0	198.5	199.6	27.1	25.2	23.9	13.3	12.7	12.0
Vineland—Millville—Bridgeton	150.9	153.8	155.6	12.3	10.3	10.7	8.1	6.7	6.9
	54.5	54.8	54.9	7.3	8.8	6.9	13.5	16.0	12.6
NEW MEXICO									
Albuquerque	453.9	464.9	469.7	46.0	43.7	42.5	10.1	9.4	9.0
	168.7	174.2	175.0	18.2	16.7	17.0	10.8	9.6	9.7
NEW YORK									
Albany—Schenectady—Troy	7,695.2	7,574.9	7,565.4	836.8	783.7	722.1	10.9	10.3	9.5
Binghamton ¹	353.8	354.8	353.5	30.6	32.4	30.7	8.7	9.1	8.7
Buffalo	129.5	129.9	129.9	10.5	11.3	10.2	8.1	8.7	7.8
Elmira	566.6	561.3	561.1	72.2	62.7	53.1	12.7	11.2	9.5
Nassau—Suffolk	41.1	40.3	40.2	3.9	5.0	4.7	9.6	12.4	11.7
New York	1,108.8	1,096.0	1,097.5	110.4	102.7	91.1	10.0	9.4	8.3
Poughkeepsie	3,667.0	3,560.9	3,561.7	411.1	363.2	346.4	11.2	10.2	9.7
Rochester	97.9	96.7	96.6	7.0	6.8	6.3	7.2	7.1	6.5
Syracuse	451.3	452.9	450.8	40.4	38.9	35.0	8.9	8.6	7.8
Utica—Rome	286.0	283.5	281.4	29.8	28.6	25.9	10.4	10.1	9.2
	135.7	135.8	135.1	15.8	16.7	15.3	11.6	12.3	11.3
NORTH CAROLINA									
Asheville	2,540.5	2,459.4	2,478.2	166.0	157.7	153.3	6.5	6.4	6.2
Charlotte—Gastonia	78.1	75.8	76.9	5.4	4.9	4.6	6.9	6.5	6.0
Greensboro—Winston-Salem—High Point	307.0	306.3	308.4	18.9	14.4	14.7	6.2	4.7	4.8
Raleigh—Durham	388.6	387.5	390.0	23.6	21.8	21.0	6.1	5.6	5.4
	248.0	247.9	250.2	11.7	9.1	10.3	4.7	3.7	4.1
NORTH DAKOTA									
Fargo—Moorhead ¹	268.6	N.A.	N.A.	12.0	N.A.	N.A.	4.5	N.A.	N.A.
	62.7	N.A.	N.A.	2.5	N.A.	N.A.	4.0	N.A.	N.A.

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1976	FEB. 1977 [†]	MAR. 1977P	MAR. 1976	FEB. 1977 [†]	MAR. 1977P	MAR. 1976	FEB. 1977 [†]	MAR. 1977P
OHIO	4,709.9	4,694.3	4,696.0	419.8	401.1	333.5	8.9	8.5	7.1
Akron	289.4	288.1	287.4	29.1	23.6	21.0	10.0	8.2	7.3
Canton	178.5	175.1	173.7	18.7	17.5	13.9	10.5	10.0	8.0
Cincinnati ¹	581.5	581.5	581.0	52.8	52.7	45.2	9.1	9.1	7.8
Cleveland	886.9	880.6	881.9	69.1	61.9	54.9	7.8	7.0	6.2
Columbus	501.8	505.4	503.5	40.2	38.1	30.6	8.0	7.5	6.1
Dayton	356.9	362.6	362.8	27.2	24.2	20.8	7.6	6.7	5.7
Toledo ¹	346.2	353.6	353.4	32.1	30.6	28.0	9.3	8.7	7.9
Youngstown—Warren	235.7	227.6	229.0	25.1	23.3	18.6	10.6	10.3	8.1
OKLAHOMA	1,144.7	1,167.2	1,175.1	69.8	60.8	57.4	6.1	5.2	4.9
Oklahoma City	340.0	348.6	351.5	21.2	17.2	16.1	6.2	4.9	4.6
Tulsa	276.0	281.9	284.0	15.1	14.4	13.7	5.5	5.1	4.8
OREGON	1,054.4	1,068.2	1,073.8	118.5	106.4	103.2	11.2	10.0	9.6
Eugene—Springfield	110.9	111.5	112.9	13.7	11.4	11.3	12.3	10.2	10.0
Portland ¹	513.3	522.7	525.2	50.1	44.8	43.5	9.8	8.6	8.3
Salem	91.6	96.6	96.2	9.6	9.4	8.8	10.5	9.8	9.1
PENNSYLVANIA	5,098.4	5,047.2	5,060.1	439.8	462.9	399.9	8.6	9.2	7.9
Allentown—Bethlehem—Easton ¹	296.8	298.0	299.2	24.0	23.4	21.0	8.1	7.9	7.0
Altoona	55.2	56.9	56.7	4.1	4.8	3.9	7.4	8.5	6.9
Erie	123.8	119.5	120.4	13.8	11.0	9.5	11.1	9.2	7.9
Harrisburg	209.8	207.2	209.1	11.9	12.4	11.1	5.7	6.0	5.3
Johnstown	104.9	105.8	106.5	7.4	10.8	7.7	7.0	10.2	7.2
Lancaster	163.1	159.9	160.9	10.0	10.4	8.2	6.2	6.5	5.1
Northeast Pennsylvania	274.6	271.4	273.1	28.6	29.2	26.8	10.4	10.7	9.8
Philadelphia ¹	2,031.7	2,006.4	2,007.6	184.1	186.6	170.7	9.1	9.3	8.5
Pittsburgh	985.1	968.7	975.9	83.9	98.4	82.4	8.5	10.2	8.4
Reading	147.9	145.1	146.0	10.0	10.2	8.9	6.8	7.0	6.1
Williamsport	50.1	50.1	49.6	5.3	5.5	4.8	10.6	10.9	9.7
York	154.1	156.6	156.8	11.7	12.3	9.9	7.6	7.8	6.3
RHODE ISLAND	425.7	432.6	430.4	39.8	36.3	34.5	9.3	8.4	8.0
Providence—Warwick—Pawtucket ¹	431.5	441.0	438.3	40.4	36.2	34.5	9.4	8.2	7.9
SOUTH CAROLINA	1,230.7	1,232.1	1,242.2	92.1	82.5	71.0	7.5	6.7	5.7
Charleston—North Charleston	135.4	137.3	138.9	10.0	8.7	8.0	7.4	6.3	5.7
Columbia	156.8	158.4	159.9	10.4	8.5	7.0	6.6	5.3	4.4
Greenville—Spartanburg	245.3	243.3	244.5	16.5	13.1	11.8	6.7	5.4	4.8
SOUTH DAKOTA	309.7	288.0	299.8	12.7	13.0	12.9	4.1	4.5	4.3
Sioux Falls	52.6	51.7	50.5	2.0	1.9	1.7	3.9	3.6	3.4
TENNESSEE	1,811.6	1,811.3	1,822.2	119.4	118.0	105.9	6.6	6.5	5.8
Chattanooga ¹	176.4	176.2	176.3	10.2	10.7	9.1	5.8	6.0	5.2
Knoxville	191.7	192.3	191.7	10.7	10.3	9.0	5.6	5.3	4.7
Memphis ¹	354.8	349.9	352.2	23.0	19.6	19.5	6.5	5.6	5.5
Nashville—Davidson	343.7	352.5	354.3	19.9	16.7	15.1	5.8	4.7	4.3
TEXAS	5,434.1	5,560.5	5,600.5	328.9	305.1	286.8	6.1	5.5	5.1
Amarillo	78.5	81.7	82.0	3.1	2.8	2.7	4.0	3.4	3.3
Austin	190.1	194.6	195.7	8.5	8.5	7.5	4.5	4.4	3.9
Beaumont—Port Arthur—Orange	156.5	158.1	158.9	11.8	11.8	11.5	7.5	7.4	7.2
Corpus Christi	127.5	128.1	128.7	10.6	9.7	9.1	8.3	7.5	7.1
Dallas—Fort Worth	1,243.2	1,266.5	1,273.9	63.3	51.7	49.4	5.1	4.1	3.9
El Paso	157.5	159.2	158.8	16.0	19.5	18.7	10.1	12.2	11.8
Galveston—Texas City	81.8	87.0	87.4	5.1	6.6	5.8	6.3	7.6	6.7
Houston	1,119.4	1,196.7	1,203.5	61.1	62.2	60.3	5.5	5.2	5.0
Lubbock	90.2	94.6	95.8	3.9	3.3	3.2	4.4	3.4	3.3
San Antonio	379.2	379.2	379.6	32.3	25.7	24.3	8.5	6.8	6.4
Waco	71.7	73.5	73.4	4.3	3.8	3.1	6.0	5.1	4.3
Wichita Falls	55.8	56.4	57.0	2.7	2.4	2.3	4.9	4.3	4.1
UTAH	502.4	513.9	521.4	33.3	32.3	29.9	6.6	6.3	5.7
Salt Lake City—Ogden	333.5	342.6	346.5	21.4	19.8	18.5	6.4	5.8	5.3
VERMONT	214.2	216.7	217.0	21.4	19.4	18.6	10.0	9.0	8.6

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAR. 1976	FEB. 1977 ^r	MAR. 1977 ^p	MAR. 1976	FEB. 1977 ^r	MAR. 1977 ^p	MAR. 1976	FEB. 1977 ^r	MAR. 1977 ^p
VIRGINIA	2,279.3	2,304.1	2,317.0	148.9	158.5	144.5	6.5	6.9	6.2
Lynchburg	68.2	68.0	68.6	4.5	3.5	3.7	6.6	5.2	5.4
Newport News—Hampton	148.9	155.1	156.6	10.8	11.8	11.6	7.2	7.6	7.4
Norfolk—Virginia Beach—Portsmouth ¹	300.0	298.8	300.6	23.4	21.6	19.9	7.8	7.2	6.6
Richmond	296.9	303.5	305.3	14.3	15.6	15.0	4.8	5.2	4.9
Roanoke	108.6	109.0	108.7	7.7	8.6	7.1	7.1	7.9	6.5
WASHINGTON	1,558.4	1,573.3	1,590.1	152.3	140.3	134.2	9.8	8.9	8.4
Seattle—Everett	687.8	704.6	709.1	67.0	58.7	55.2	9.7	8.3	7.8
Spokane	126.6	126.7	127.1	10.7	10.7	9.8	8.5	8.5	7.7
Tacoma	155.8	153.7	154.9	16.8	13.9	13.5	10.8	9.1	8.7
WEST VIRGINIA	672.6	680.0	677.9	55.5	79.3	53.0	8.3	11.7	7.8
Charleston	109.9	108.6	107.9	7.0	7.8	5.8	6.3	7.2	5.4
Huntington—Ashland ¹	109.7	114.3	110.5	7.1	11.2	7.3	6.4	9.8	6.6
Parkersburg—Marietta ¹	63.3	63.2	62.0	7.0	6.5	4.2	11.1	10.3	6.8
Wheeling ¹	75.7	77.8	76.3	6.2	8.1	4.9	8.1	10.4	6.4
WISCONSIN	2,132.7	2,168.1	2,190.5	141.1	137.8	140.0	6.6	6.4	6.4
Appleton—Oshkosh	135.8	137.8	139.3	8.0	7.5	7.6	5.9	5.5	5.4
Green Bay	81.3	84.6	85.5	5.4	4.9	5.3	6.6	5.8	6.2
Kenosha	62.8	56.9	57.1	4.0	7.7	8.1	6.4	13.5	14.2
La Crosse	41.2	43.1	43.7	2.6	2.5	2.6	6.3	5.8	5.9
Madison	166.2	171.6	173.3	7.3	7.0	7.0	4.4	4.1	4.0
Milwaukee	679.0	678.0	683.4	48.4	40.2	42.5	7.1	5.9	6.2
Racine	85.8	88.3	89.7	5.2	6.1	6.5	6.1	7.0	7.2
WYOMING	164.8	170.9	175.3	8.0	8.3	7.1	4.8	4.8	4.1

¹ Includes interstate portion of Area located in adjacent State(s).

NOTE: All data are subject to revision as new benchmark information becomes available. Estimates have been benchmark to 1976 Current Population Survey annual averages. Data refer to place of residence.

p=preliminary.
r=revised
N.A.=not available.

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

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161. When ordering please, specify "CETA Area Employment and Unemployment, January-February 1977 (NTISUB/C/143-77/004), "States and County Employment and Unemployment January-February 1977" (NTISUB/C/144-77/004) or "Unemployment Rates for States and Identifiable Local Governments, Fourth Quarter, 1976" (PB264036). Tabulations are available at \$6.75 per set for printed copies of CETA Areas, \$10.00 for States and Counties, \$5.50 for Identifiable Local Governments, or \$3.00 per set for microfiche copies of each publication.

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)		
	April 1976	March 1977	April 1977	Change from ¹		April 1976	March 1977	April 1977
				April 1976	March 1977			
TOTAL^{2, 3}	3,053.5	3,313.5	2,790.5	-263.0	-523.0	4.7	5.0	4.2
SEASONALLY ADJUSTED	2,711.8	2,539.2	2,477.4	-234.4	-61.8	4.1	3.8	3.7
Alabama	39.9	44.3	36.7	-3.3	-7.7	4.4	4.7	3.9
Alaska	10.5	16.4	22.8	12.2	6.3	9.4	13.0	17.6
Arizona	29.5	24.4	21.1	-8.5	-3.2	4.9	4.0	3.5
Arkansas	25.4	28.2	23.7	-1.7	-4.4	4.9	5.2	4.4
California	383.4	376.7	338.5	-44.9	-38.2	5.9	5.5	4.8
Colorado	21.6	31.0	27.3	5.7	3.8	2.9	4.0	3.4
Connecticut	73.2	67.1	58.5	-14.7	-8.5	6.1	5.7	4.8
Delaware	7.8	9.7	7.6	-0.1	-2.1	3.7	4.7	3.6
District of Columbia	11.2	13.9	11.9	0.7	-2.1	3.1	3.9	3.3
Florida	97.1	88.5	79.7	-17.4	-8.8	3.6	3.4	3.1
Georgia	51.8	46.7	40.4	-11.4	-6.3	3.7	3.3	2.8
Hawaii	17.2	12.9	11.4	-5.8	-1.5	5.4	4.0	3.5
Idaho	11.3	13.7	11.0	-0.3	-2.7	5.2	6.1	4.8
Illinois	191.5	239.5	183.8	-7.7	-55.7	5.1	6.4	4.9
Indiana	44.4	48.4	34.2	-10.2	-14.2	2.7	2.9	2.1
Iowa	27.2	30.8	22.1	-5.0	-8.7	3.4	3.8	2.7
Kansas	16.5	19.8	16.9	0.4	-2.9	2.7	3.1	2.6
Kentucky	35.3	41.4	32.6	-2.7	-8.8	4.2	4.8	3.7
Louisiana	39.0	48.7	44.9	5.9	-3.8	3.8	4.5	4.1
Maine	18.2	23.1	20.1	1.9	-3.0	6.4	7.9	6.8
Maryland	46.7	54.9	42.4	-4.3	-12.5	4.1	4.8	3.8
Massachusetts	111.3	108.5	93.1	-18.2	-15.4	5.7	5.6	4.8
Michigan	162.3	178.6	145.4	-16.9	-33.2	5.8	6.1	4.9
Minnesota	56.6	65.7	52.4	-4.2	-13.3	4.1	4.7	3.7
Mississippi	16.0	21.8	17.4	1.3	-4.4	3.0	4.0	3.1
Missouri	55.6	67.1	49.4	-6.1	-17.7	3.9	4.7	3.4
Montana	10.7	12.3	10.0	-0.8	-2.3	5.9	6.0	4.6
Nebraska	10.9	13.6	9.4	-1.5	-4.2	2.5	3.1	2.1
Nevada	12.8	12.5	10.9	-1.8	-1.5	5.9	5.5	4.8
New Hampshire	10.5	8.7	8.0	-2.6	-0.8	4.2	3.4	3.0
New Jersey	154.2	157.2	140.0	-14.2	-17.2	7.0	7.0	6.3
New Mexico	13.0	12.8	11.6	-1.4	-1.2	4.9	4.6	4.1
New York	325.1	326.5	298.4	-26.7	-28.1	5.7	5.8	5.3
North Carolina	55.0	68.0	55.2	0.3	-12.7	3.3	4.0	3.2
North Dakota	5.1	9.6	7.7	2.6	-1.9	3.5	6.4	5.0
Ohio	114.6	134.7	98.4	-16.2	-36.3	3.1	3.6	2.6
Oklahoma	25.6	23.5	21.7	-3.9	-1.8	3.7	3.2	2.9
Oregon	48.2	50.9	45.1	-3.1	-5.8	6.3	6.5	5.7
Pennsylvania	222.2	257.8	219.2	-3.0	-38.6	5.9	6.9	5.8
Puerto Rico ²	59.4	60.6	52.5	-6.9	-8.1	12.5	12.7	11.4
Rhode Island	18.8	23.2	19.7	0.9	-3.6	6.1	7.3	6.1
South Carolina	28.1	27.1	24.6	-3.5	-2.5	3.6	3.3	3.0
South Dakota	3.6	6.5	4.0	0.3	-2.5	2.4	4.1	2.4
Tennessee	53.7	56.5	45.6	-8.1	-11.0	4.4	4.5	3.6
Texas	58.2	65.1	56.8	-1.5	-8.3	1.6	1.7	1.5
Utah	13.8	17.0	12.8	-1.0	-4.2	4.1	4.9	3.6
Vermont	9.3	9.2	8.5	-0.7	-0.7	7.1	6.9	6.3
Virginia	30.4	43.5	33.1	2.8	-10.4	2.2	2.9	2.3
Washington	82.3	81.5	71.2	-11.1	-10.3	8.3	8.0	6.8
West Virginia	20.7	26.7	21.0	0.2	-5.8	4.6	5.4	4.3
Wisconsin	64.0	83.2	57.1	-6.9	-26.1	4.1	5.5	3.8
Wyoming	2.8	3.4	2.7	-0.1	-0.7	2.6	3.0	2.3

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

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.

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

UNEMPLOYMENT INSURANCE DATA

F-2. Insured unemployment¹ in 150 major labor areas²

(In thousands, for week including the 12th of the month)

State and area	Apr. 1976	Apr. 1977	State and area	Apr. 1976	Apr. 1977	State and area	Apr. 1976	Apr. 1977	State and area	Apr. 1976	Apr. 1977
ALABAMA			INDIANA—			NEW JERSEY			PENNSYLVANIA—		
Birmingham	10.6	7.1	Continued			Atlantic City	5.7	5.2	Continued		
Mobile	4.0	5.3				Jersey City	17.8	16.4			
ARIZONA			Gary-Hammond—			Newark	40.1	35.2	Northeast		
Phoenix	17.6	13.4	East Chicago	5.9	4.5	New Brunswick—			Pennsylvania	17.8	19.6
ARKANSAS			Indianapolis	8.5	7.5	Perth Amboy—			Philadelphia	89.0	94.6
Little Rock—			South Bend	2.4	1.9	Sayreville	12.7	11.0	Pittsburgh	35.7	35.0
North Little			Terra Haute	2.0	1.6	Paterson—Clifton—			Reading	6.1	5.2
Rock	4.1	2.9	IOWA			Passaic	12.9	12.5	York	6.4	5.3
CALIFORNIA			Cedar Rapids	1.8	1.5	Trenton	4.8	5.0	PUERTO RICO		
Anaheim—S. Ana—			Des Moines	3.8	2.8	NEW MEXICO			Mayaguez	1.9	1.8
Garden Grove	24.9	18.7	KANSAS			Albuquerque	6.4	5.5	Ponce	4.5	4.3
Fresno	8.8	9.8	Wichita	4.4	4.6	NEW YORK			San Juan	13.5	13.4
Los Angeles—Long			KENTUCKY			Albany—			RHODE ISLAND		
Beach	125.9	108.5	Louisville	10.2	7.9	Schenectady—			Providence—		
Riverside—San			LOUISIANA			Troy	11.1	11.2	Warwick—		
Bernardino—			Baton Rouge	3.6	5.0	Binghamton	3.9	4.0	Pawtucket	19.2	19.4
Ontario	18.9	16.0	New Orleans	11.8	12.5	Buffalo	23.2	21.8	SOUTH CAROLINA		
Sacramento	17.4	16.1	Shreveport	4.6	3.5	New York City			Charleston	3.2	2.6
San Diego	28.7	26.9	MAINE			Combined Areas...	214.1	195.4	Greenville—		
San Francisco—			Portland	2.0	2.2	(a) N.Y. City			Spartanburg	5.2	4.9
Oakland	61.1	52.1	MARYLAND			plus Rockland,			TENNESSEE		
San Jose	21.7	17.5	Baltimore	27.6	24.7	Putnam, and			Chattanooga	4.0	4.0
Stockton	8.4	8.8	MASSACHUSETTS			Westchester Cos. .	168.2	154.8	Knoxville	6.0	5.2
COLORADO			Boston	52.4	41.3	Suffolk	45.9	40.5	Memphis	12.8	10.7
Denver—Boulder ..	13.0	16.2	Brockton	3.1	2.8	Rochester	16.5	13.7	Nashville—		
CONNECTICUT			Fall River	3.8	3.8	Syracuse	10.2	8.7	Davidson	8.5	5.7
Bridgeport	11.1	7.5	Lawrence—			Utica—Rome	6.5	6.3	TEXAS		
Hartford	15.6	13.1	Haverhill	6.6	5.8	Austin			Austin	1.9	1.9
New Britain	4.4	3.6	Lowell	3.7	3.3	Beaumont—			Beaumont—		
New Haven—			New Bedford	4.3	3.9	Port Arthur—			Orange	2.4	3.0
West Haven	9.8	9.2	Springfield—			Corpus Christi			Port Arthur	1.5	2.2
Stamford	6.6	4.7	Chicopee—			Dallas	10.0	7.8	El Paso	4.6	5.7
Waterbury	4.2	2.9	Holyoke	11.0	8.3	El Paso	4.6	5.7	Fort Worth	3.3	3.8
DELAWARE			Worcester	7.2	5.2	Houston	8.0	8.1	San Antonio	5.8	5.4
Wilmington	6.9	7.2	MICHIGAN			San Antonio	5.8	5.4	UTAH		
DIST. OF COL.			Battle Creek	3.8	3.7	OHIO			Salt Lake City—		
Washington	24.3	26.5	Detroit	77.4	70.2	Akron	8.2	6.5	Ogden	7.4	6.5
FLORIDA			Flint	8.1	6.9	Canton	6.1	4.9	VIRGINIA		
Jacksonville	5.0	5.2	Grand Rapids	8.7	6.7	Cincinnati	12.7	14.0	Newport News—		
Miami	21.1	16.8	Kalamazoo—			Cleveland	20.6	17.1	Hampton	2.5	2.9
Tampa—St.			Portage	3.7	3.1	Columbus	11.4	9.0	Norfolk—		
Petersburg	18.6	15.7	Lansing—East			Dayton	7.9	6.0	Virginia Beach—		
GEORGIA			Lansing	7.2	6.8	Hamilton—			Portsmouth	5.5	5.1
Atlanta	19.6	14.7	Muskegon—			Middletown	3.1	2.9	Richmond	3.1	2.9
Augusta	3.2	3.0	Muskegon—			Lorain			Roanoke	1.8	1.7
Columbus	3.1	2.5	Heights	4.1	3.7	Elyria	2.5	2.1	WASHINGTON		
Macon	3.3	2.1	Saginaw	3.0	2.7	Steubenville—			Seattle	35.2	29.0
Savannah	2.3	1.6	MINNESOTA			Weirton	1.2	1.2	Spokane	7.7	5.7
HAWAII			Duluth—			Toledo	9.2	8.5	Tacoma	10.3	7.9
Honolulu	14.8	9.7	Superior	3.6	3.4	Youngstown—			WEST VIRGINIA		
ILLINOIS			Minneapolis—			Warren	9.2	5.1	Charleston	2.6	2.1
Chicago	124.0	128.7	St. Paul	26.9	20.3	OKLAHOMA			Huntington—		
Davenport—Rock			MISSISSIPPI			Oklahoma City	7.2	5.3	Ashland	3.3	3.2
Island—			Jackson	1.5	1.7	Tulsa	5.7	5.5	Wheeling	3.2	2.4
Moline	4.7	4.3	MISSOURI			OREGON			WISCONSIN		
Peoria	4.3	5.6	Kansas City	14.5	12.8	Portland	20.8	19.2	Kenosha	2.6	1.9
Rockford	6.5	3.8	St. Louis	33.6	29.1	PENNSYLVANIA			Madison	5.2	4.9
INDIANA			NEBRASKA			Allentown—			Milwaukee	15.2	13.5
Evansville	2.1	1.7	Omaha	6.6	5.6	Bethlehem—			Racine	2.9	2.4
Ft. Wayne	3.8	1.9	NEW HAMPSHIRE			Easton	13.7	14.2			
			Manchester	2.5	1.6	Altoona	2.6	2.3			

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 survey is 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 de-

rived 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 em-

ployers. 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 Labor Force Statistics derived from the Current Population Survey*, BLS Report 463. 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 calen-

dar 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 noninstitutional 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. Information on the detailed categories included in these groups is available upon request.

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

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 job-seeking 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, duration 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 for 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 presenta-

tion, 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 occupation 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 pro-

portions 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.

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 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

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

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	—	—	—	—	—

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

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

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

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

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 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			Finance and service industries	.23	.29
except farm	23	.28	Government wage and salary workers	.19	.24
Sales workers	39	.48	Agricultural wage and salary workers	1.11	1.39
Clerical workers	24	.30			

Establishment data

(B, C, and D tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in non-agricultural 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 married 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 re-hired 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	10,007,809	51
Metal mining	61,850	66
Coal mining	56,770	35
Communications		
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

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
Contract 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.

from the averages that would have been obtained from a complete census.

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

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

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

Approximations of the root-mean-square errors (based on the 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.

All data on employment, hours, earnings, and labor turnover for the Nation and for a few States and areas are classified in accordance with the 1967 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. Most States and areas have converted their series to the 1972 SICM. Tables containing States and area data are annotated at the time the converted series are introduced.

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 employment 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 adjustment 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 1976, 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 1977 *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, seasonally adjusted series for all employees, production workers, hours, and earnings, are computed using the BLS Seasonal Factor Method. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing 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 nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods producing, total private service producing, trade, manufacturing, and durable and nondurable 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.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). 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 August 1976. Seasonal factors to be used for current adjustment appear in the December 1976 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*.

Following is a list of Special Labor Force Reports which may be obtained, while the supply lasts, upon request to the Bureau of Labor Statistics or to any of its regional offices.

Number

- 155 Employment of High School Graduates and Dropouts, October 1972
- 156 The U.S. Labor Force: Projections to 1990
- 157 Job Losers, Leavers, and Entrants: Traits and Trends
- 158 Young Workers: In School and Out
- 159 Going Back to School at 35
- 160 Education of Workers: Projections to 1990
- 161 Educational Attainment of Workers, March 1973
- 162 Work Experience of the Population in March 1972
- 163 Employment and Unemployment in 1973
- 164 Marital and Family Characteristics of the Labor Force in March 1973
- 165 Children of Working Mothers, March 1973
- 166 Multiple Jobholding, May 1973
- 167 Job Situation of Vietnam-era Veterans
- 168 Employment of High School Graduates and Dropouts, 1973
- 169 Employment of Recent College Graduates, October 1972
- 170 Employment of School-Age Youth, October 1973
- 171 Work Experience of the Population, 1973
- 172 Job Tenure of Workers, January 1973
- 173 Marital and Family Characteristics of the Labor Force, March 1974
- 174 Children of Working Mothers, March 1974
- 175 Educational Attainment of Workers, March 1974
- 176 Occupational Mobility of Workers
- 177 Multiple Jobholding in May 1974
- 178 Employment and Unemployment in 1974
- 179 Trends in Overtime Hours and Pay, 1969-74
- 180 Students, Graduates, and Dropouts in the Labor Market, October 1974
- 181 Work Experience of the Population, 1974
- 182 Multiple Jobholders in May 1975
- 183 Marital and Family Characteristics of the Labor Force, March 1975
- 184 Going Back to School at 35 and Over
- 185 Employment and Unemployment During 1975
- 186 Educational Attainment of Workers, March 1975
- 187 Length of Working Life for Men and Women, 1970
- 188 Long Workweeks and Premium Pay
- 189 Families and the Rise of Working Wives--An Overview
- 190 Women Who Head Families: A Socioeconomic Analysis
- 191 Students, Graduates, and Dropouts in the Labor Market, October 1975
- 192 Work Experience of the Population, 1975
- 193 Educational Attainment of Workers, March 1976
- 194 Multiple Jobholders, May 1976
- 195 Weekly and Hourly Earnings Data from the Current Population Survey
- 196 Long Hours and Premium Pay, May 1976

U.S. Department of Labor Bureau of Labor Statistics

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REGION V - CHICAGO 230 S. Dearborn Street Chicago, Ill. 60604	REGION VI - DALLAS 555 Griffin Sq., 2nd Fl. Dallas, Tex. 75202	REGIONS VII & VIII - KANSAS CITY 911 Walnut Street Kansas City, Mo. 64106	REGIONS IX & X - SAN FRANCISCO 450 Golden Gate Avenue, Box 36017 San Francisco, Calif. 94102

COOPERATING STATE AGENCIES

State and Local Area Unemployment Statistics Program (LAUS), Current Employment Statistics Program (CES), and Labor Turnover Statistics Program (LTS)

BLS
Region

IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Montgomery 36104
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 29026, Phoenix 85038
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (LAUS and CES).
VIII COLORADO	-Division of Employment, Department of Labor and Employment, Room 222, 1210 Sherman Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, 801 West Street, Wilmington 19899
III DIST. OF COL.	-Office of Administration and Management Service, D.C. Manpower Administration, Room 626, 500 C Street, N.W., Washington 20001
IV FLORIDA	-Division of Employment Security, Department of Commerce, Caldwell Building, Tallahassee 32304
IV GEORGIA	-Employment Security Agency, Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83707
V ILLINOIS	-Bureau of Employment Security, Department of Labor, 910 South Michigan Avenue, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Employment Security Commission, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Employment Security Division, Department of Labor, 401 Topeka Boulevard, Topeka 66603
IV KENTUCKY	-Bureau of Manpower Services, State Office Building Annex, Frankfort 40601
VI LOUISIANA	-Department of Employment Security, P.O. Box 44094, Capitol Station, Baton Rouge 70804
I MAINE	-Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Employment Security Building, Government Center Boston 02114
V MICHIGAN	-Employment Security Commission, Department of Labor, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Employment Services, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, State House Station, Lincoln 68509
IX NEVADA	-Employment Security Department, P.O. Box 602, Carson City 89701
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Department of Labor and Industry, 202 John Fitch Plaza, Trenton 08625
VI NEW MEXICO	-Employment Security Commission, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Employment, N.Y. State Department of Labor, State Campus—Building 12, Albany 12201
IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 145S. Front St., Columbus 43216
VI OKLAHOMA	-Employment Security Commission, Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, Room 402, Labor and Industries Building, Salem 97310
III PENNSYLVANIA	-Bureau of Employment Security, Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121
I RHODE ISLAND	-Division of Statistics and Census, Department of Labor, Room 117, 235 Promenade Street, Providence 02908 (CES). Department of Employment Security, 24 Mason Street, Providence 02903 (LAUS and LTS)
IV SOUTH CAROLINA	-Employment Security Commission, P.O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Room 519, Cordell Hull Office Building, Nashville 37219
VI TEXAS	-Employment Commission, TEC Building, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment Security, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond 23241 (CES). Employment Commission, P.O. Box 1358, Richmond 23211 (LAUS and LTS)
X WASHINGTON	-Employment Security Department, 1007 South Washington Street, Olympia 98501
III WEST VIRGINIA	-Department of Employment Security, State Office Building, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82601