

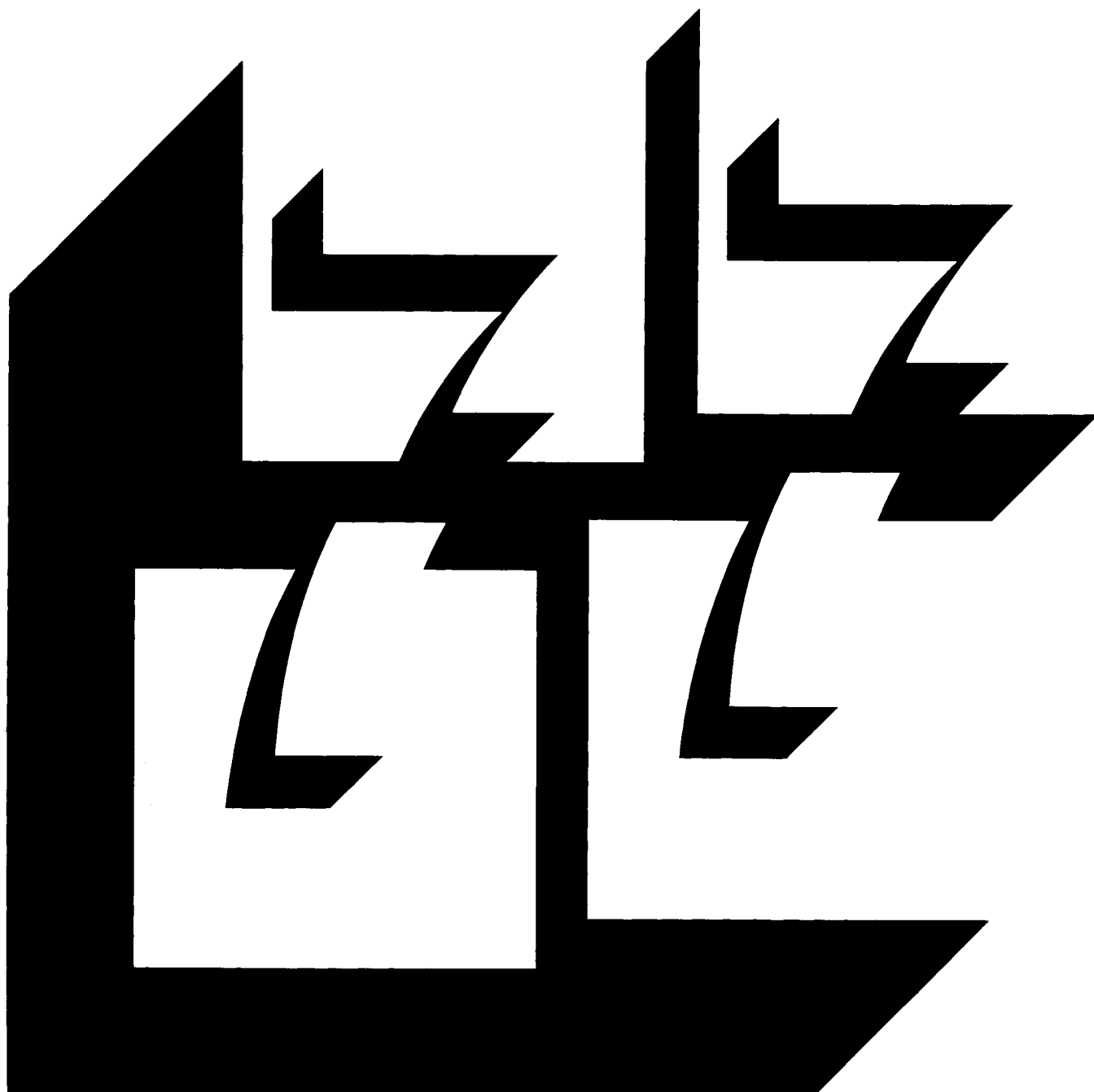
Employment and Earnings

June 1977



U.S. Department of Labor
Bureau of Labor Statistics

Vol. 24 No. 6





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. 6 June 1977

Editors: Chester L. Green, Gloria P. Green, Marcia Freedman

Editors' Note

Publication of State and area annual averages (usually published in the May issue) has been 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:											
Seasonally adjusted data											
Persons not in labor force											
Persons of Spanish origin											
Vietnam-Era veterans and nonveterans											
Poverty-nonpoverty area data	x			x		x		x			
Establishment data											
National annual averages:											
Industry divisions (preliminary)	x										
Industry detail (final)			x								
Women employment (National)		x			x		x		x		
National data adjusted to new benchmarks		(1)						(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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¹ Monthly data in February, May, August, and November issues; annual averages in March issue.

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Discontinuance of Tables F-1 and F-2

Beginning with the July 1977 issue, insured unemployment data (tables F-1 and F-2) will no longer be published in *Employment and Earnings*. These data will continue to be published by the U.S. Department of Labor's Employment and Training Administration in *Unemployment Insurance Claims* and *Unemployment Insurance Statistics*. Inquiries regarding these publications should be addressed to the Employment and Training Administration, Washington, D.C. 20210.

Employment and Unemployment Developments, May 1977

Employment rose in May and unemployment showed little change. The Nation's overall rate of unemployment was 6.9 percent, not much different from April's 7.0-percent rate but down substantially from last November's high of 8.0 percent.

Total employment—as measured by the monthly survey of households—rose by nearly 400,000 in May to 90.4 million. Employment gains have totaled almost 2.7 million since last October, an average of 380,000 a month.

Nonagricultural payroll employment—as measured by the monthly survey of establishments—rose by 185,000 in May to 81.8 million. Manufacturing continued to pace the current expansion and over the past 7 months has accounted for 600,000 of the total job growth of 2.0 million.

Unemployment

There were 6,750,000 persons unemployed in May, seasonally adjusted, virtually the same level as in April. This followed reductions totaling 450,000 in the 2 previous months. The overall unemployment rate of 6.9 percent was about unchanged from the previous month, after declining by half a percentage point from February and a full point since November.

Despite the over-the-month stability in overall joblessness, there were some offsetting movements among component labor force groups. The jobless rate for adult women fell from 7.0 to 6.6 percent; this was accompanied by decreases among female household heads and married women. The unemployment rate for adult men, on the other hand, moved up from 5.0 to 5.3 percent, largely the result of an increase for black men. The adult male rate had declined by nearly a full percentage point between February and April. Rates for most other major worker categories—including teenagers, full-time and part-time workers, and job losers—showed little or no change in May.

The number of persons looking for work for 15 or more weeks—the long-term unemployed—was about unchanged in May at 1.8 million, after declining steadily during the first 4 months of the year. Among the shorter duration categories, there was an increase among those jobless for 5 to 14 weeks, but an even greater decrease took place among workers who were seeking work for less than 5 weeks. The average (mean) duration of unemployment moved up from 14.3 to 14.9 weeks.

Total employment and labor force

Total employment rose for the seventh consecutive month, with an increase of 385,000 in May to 90.4 million, seasonally adjusted. This included a rise of 125,000 in agriculture. Employment has grown by 2.8 million over the past year, nearly all of it since last October.

The employment-population ratio—the proportion of the total noninstitutional population that is employed—continued its recent steady advance and, at 57.1 percent, was just 0.3 percentage point below the alltime high last reached more than 3 years earlier.

The civilian labor force rose by 400,000 to 97.2 million in May. The labor force was 2.6 million above its year ago level, with adult women accounting for more than half of the growth. The civilian labor force participation rate—the proportion of the civilian noninstitutional population that is either working or looking for work—edged up to a new high of 62.2 percent, well above the May 1976 level of 61.6 percent.

Industry payroll employment

Total nonagricultural payroll employment also increased for the seventh consecutive month, advancing by 185,000 in May to 81.8 million, seasonally adjusted. Nearly two-thirds of the industries that comprise the BLS diffusion index of nonagricultural payroll employment posted over-the-month gains in employment. Payroll employment has risen by 2.5 million since last May, with four-fifths of the growth occurring since October.

The largest over-the-month gain was in manufacturing, where employment increased by 65,000. Eighty percent of this growth took place in the durable goods industries, a sector which has added 215,000 jobs to its payrolls since February. Fabricated metal products, machinery, and electrical equipment accounted for 45,000 of the April-May increase in durables. Contract construction employment, which had grown substantially between January and April, rose slightly in May (15,000).

In the service-producing sector, employment in State and local government and services each increased by 30,000, while smaller gains occurred in the other major industry divisions.

Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls edged up from

36.2 to 36.3 hours in May, seasonally adjusted. Average hours have been at about this level since February. The manufacturing workweek returned to the March level of 40.4 hours after dipping to 40.2 hours in April. Factory overtime was unchanged from the April level of 3.4 hours.

Reflecting the increases in both employment and hours, the index of aggregate hours of production or nonsupervisory workers on private nonagricultural payrolls rose 0.5 percent in May to 116.0 (1967=100). This was 3.6 percent above the year-ago level. The manufacturing index advanced by an even larger amount over the month—1.0 percent—and was up 3.3 percent over the year.

Hourly and weekly earnings

Both average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls increased moderately in May, by 0.6 and 0.9 percent,

respectively. Hourly and weekly earnings were each 7.4 percent higher than a year earlier.

Before adjustment for seasonality, average hourly earnings were \$5.19, up 4 cents from April and 36 cents from a year earlier. Average weekly earnings were \$187.36, an increase of \$2.47 over the month and \$13.00 from May 1976.

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-industries—was 196.3 (1967=100) in May, 0.5 percent higher than in April. The index was 6.9 percent above May a year ago. During the 12-month period ended in April, the Hourly Earnings Index in dollars of constant purchasing power rose 0.3 percent.

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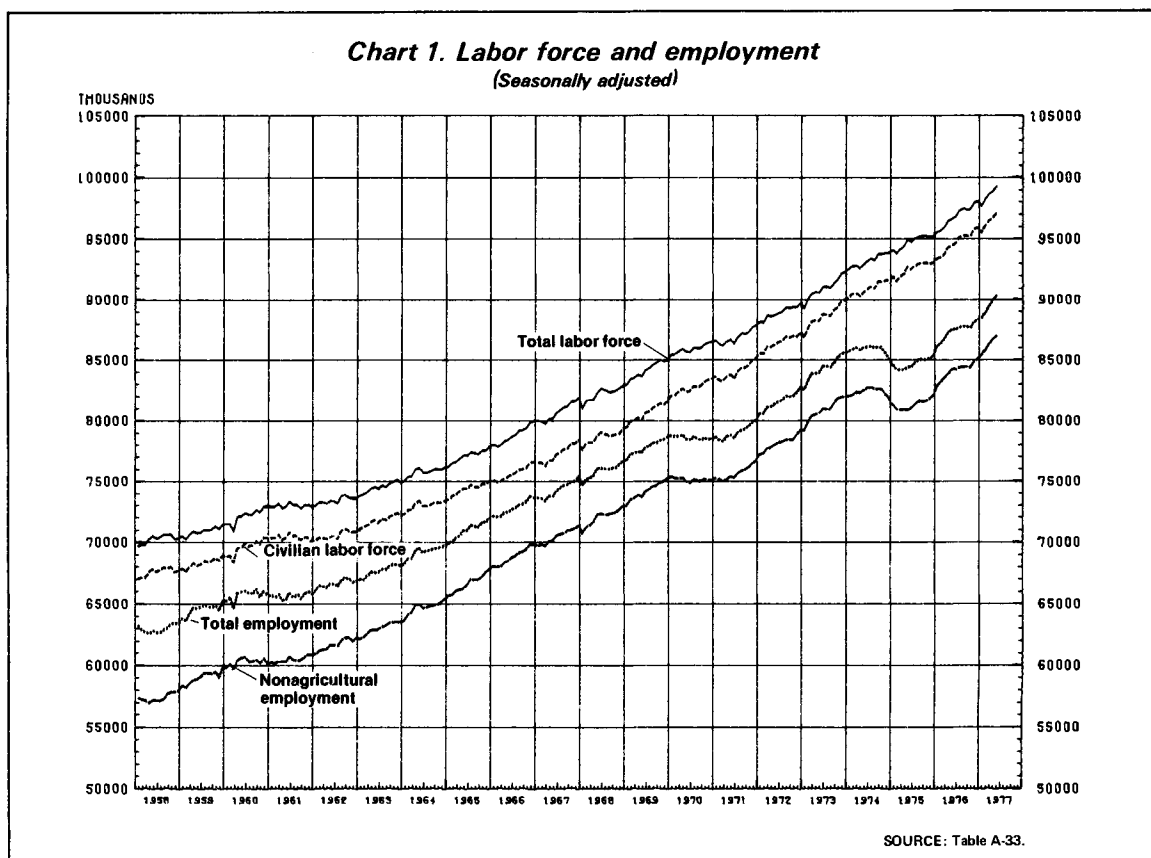
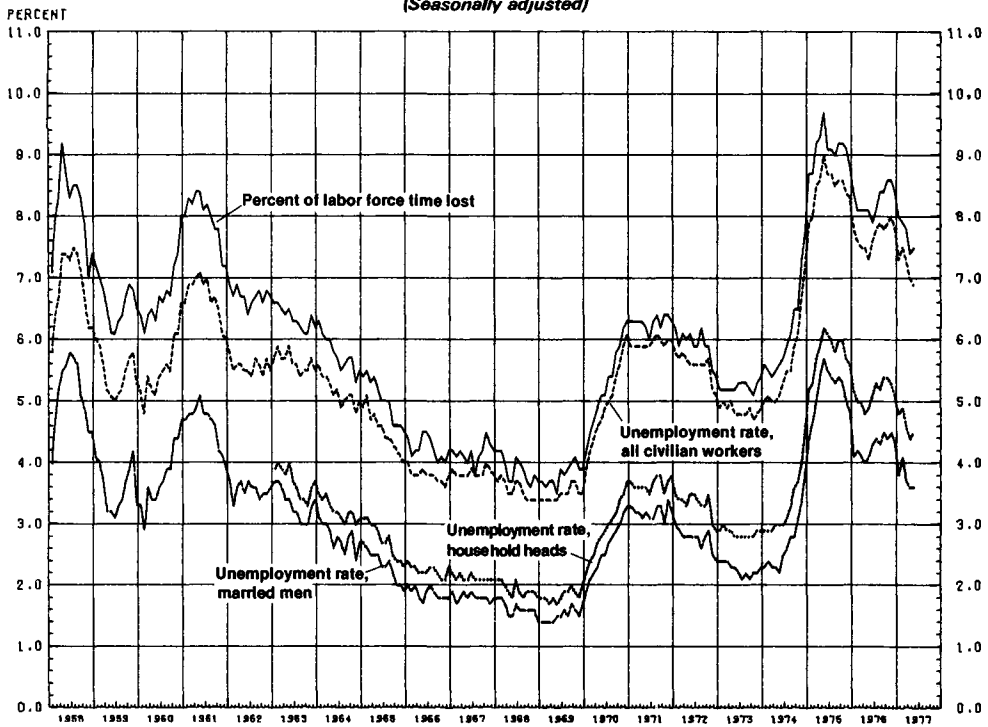
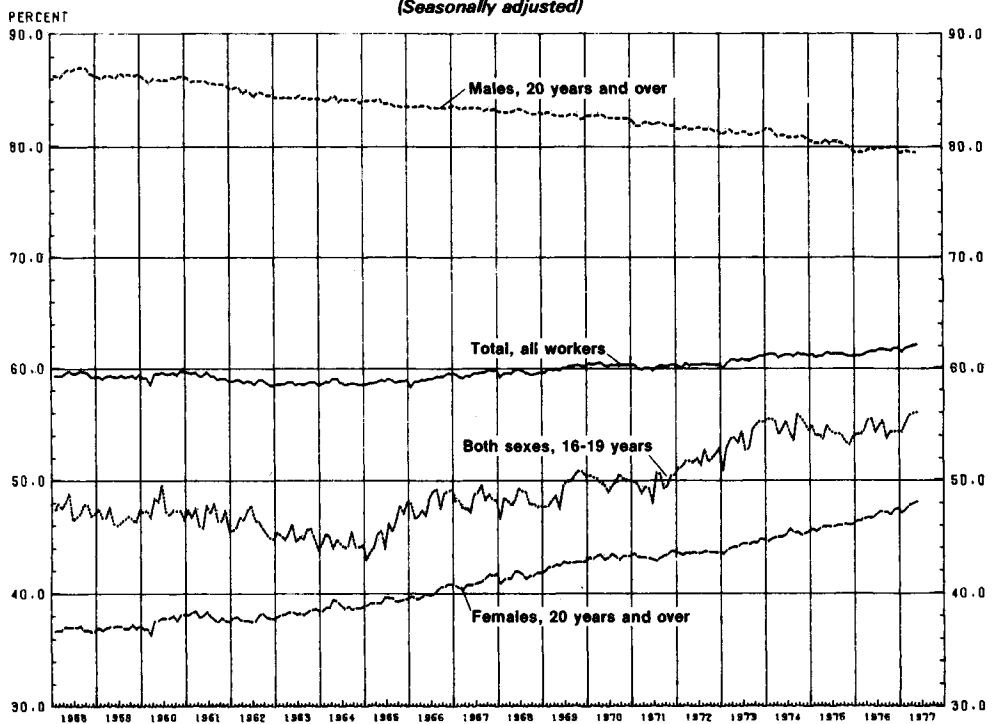


Chart 2. Major unemployment indicators
(Seasonally adjusted)



SOURCE: Table A-36.

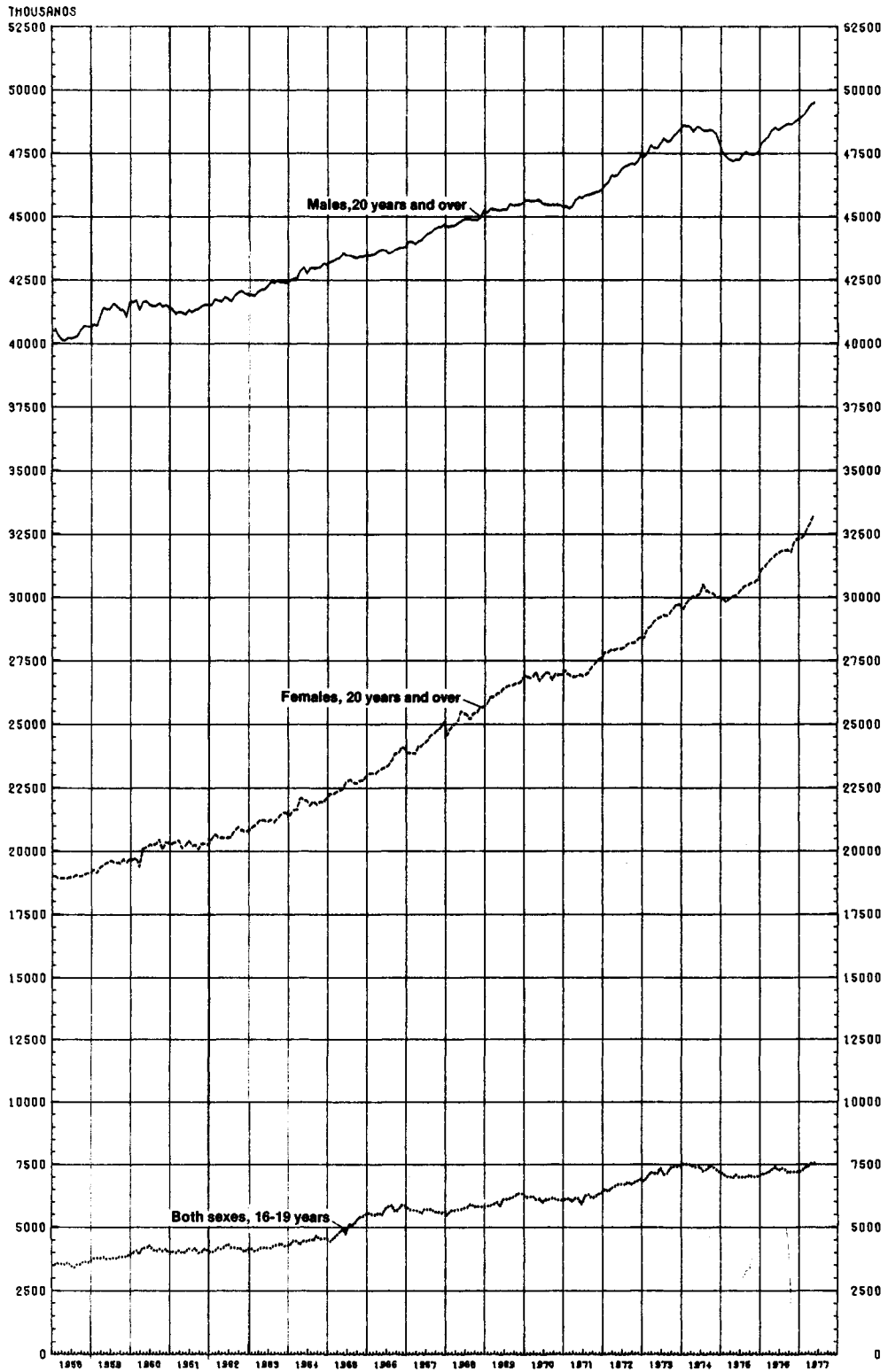
Chart 3. Civilian labor force participation rates by sex and age
(Seasonally adjusted)



SOURCE: Table A-33.

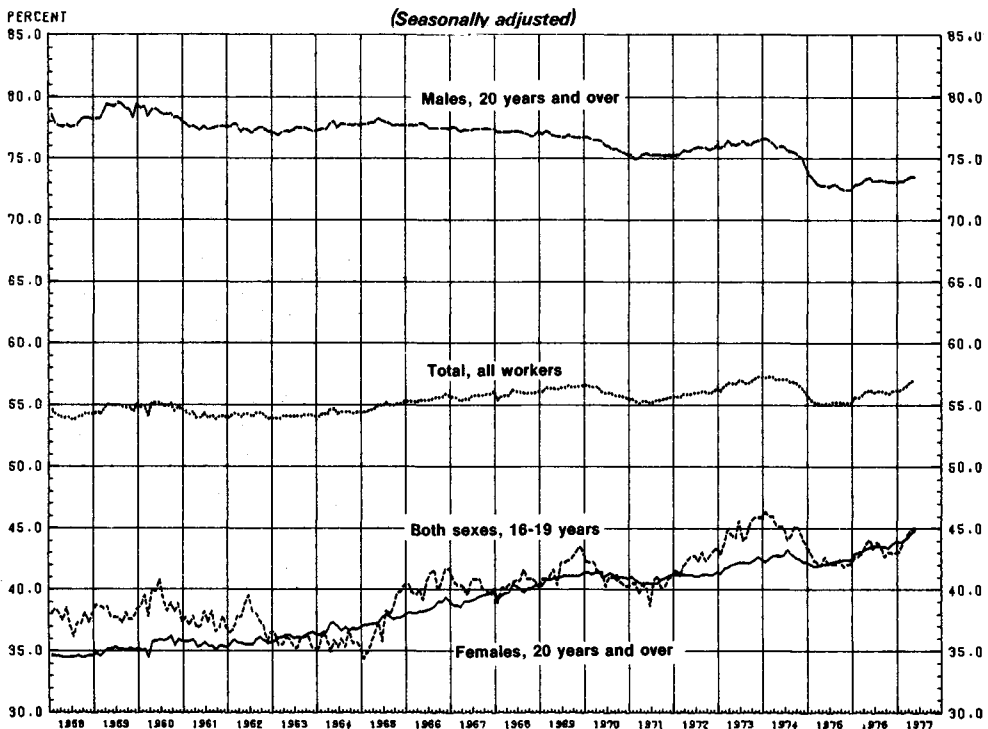
Chart 4. Total employment by sex and age

(Seasonally adjusted)



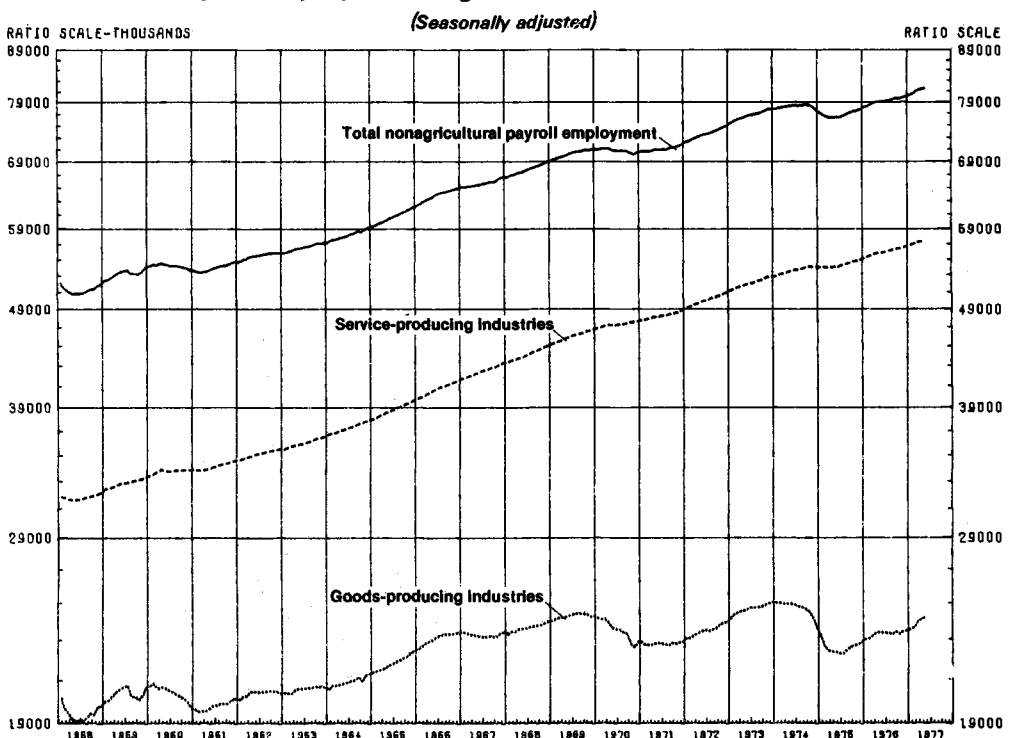
SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age



SOURCE: Table A-33.

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

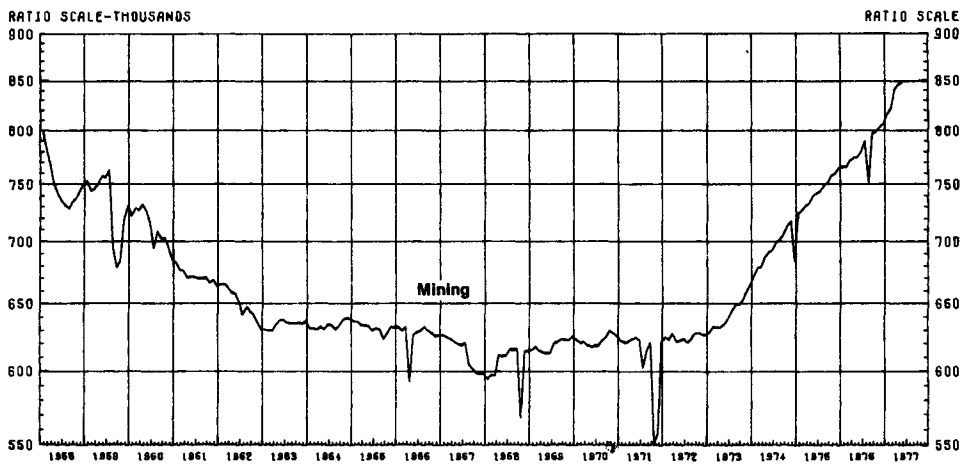
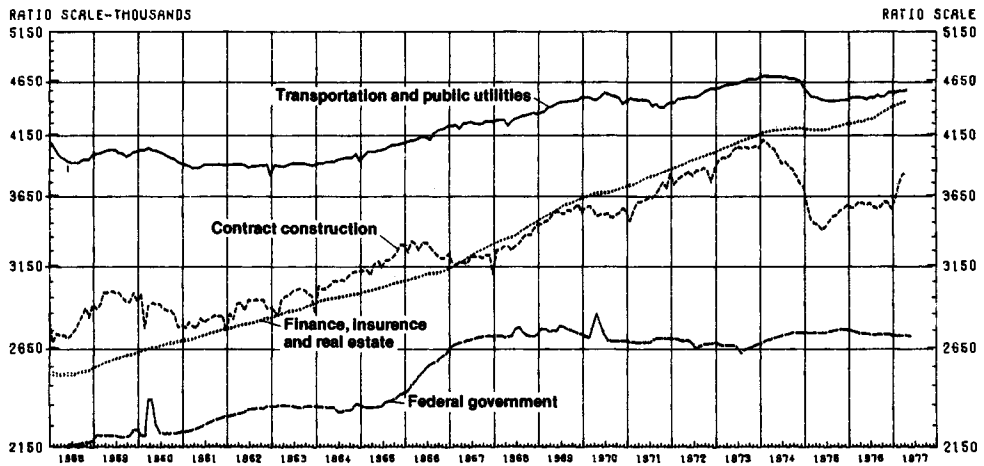
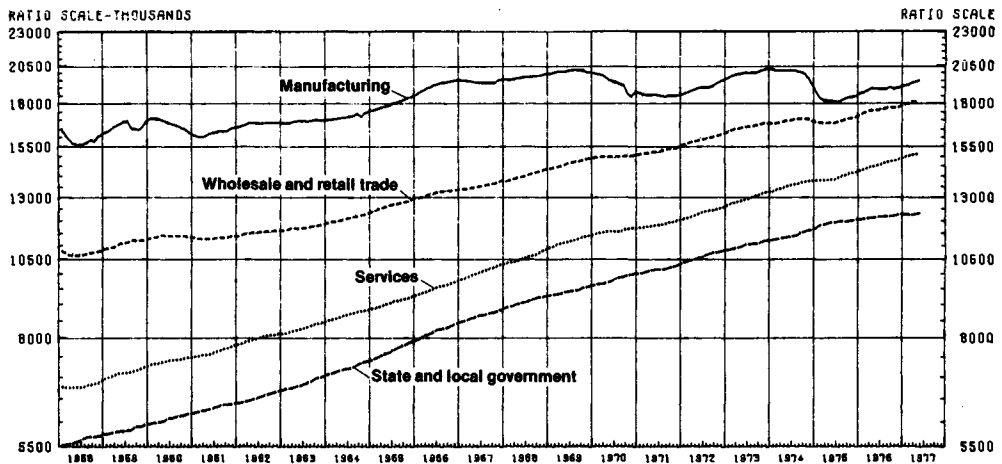


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

Chart 7. Nonagricultural payroll employment by industry

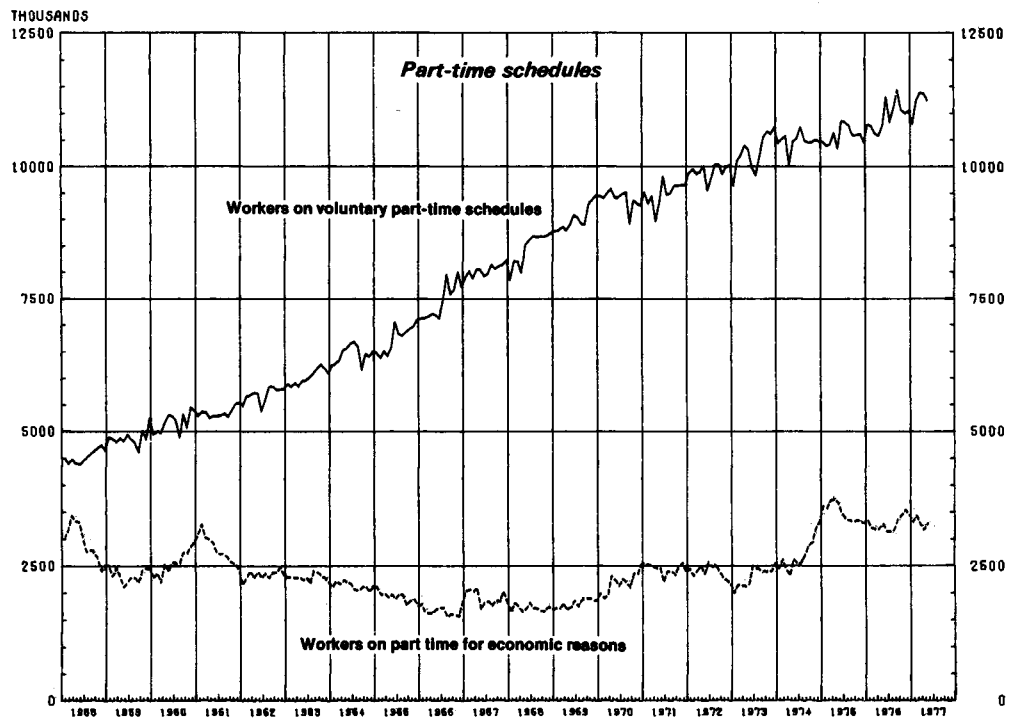
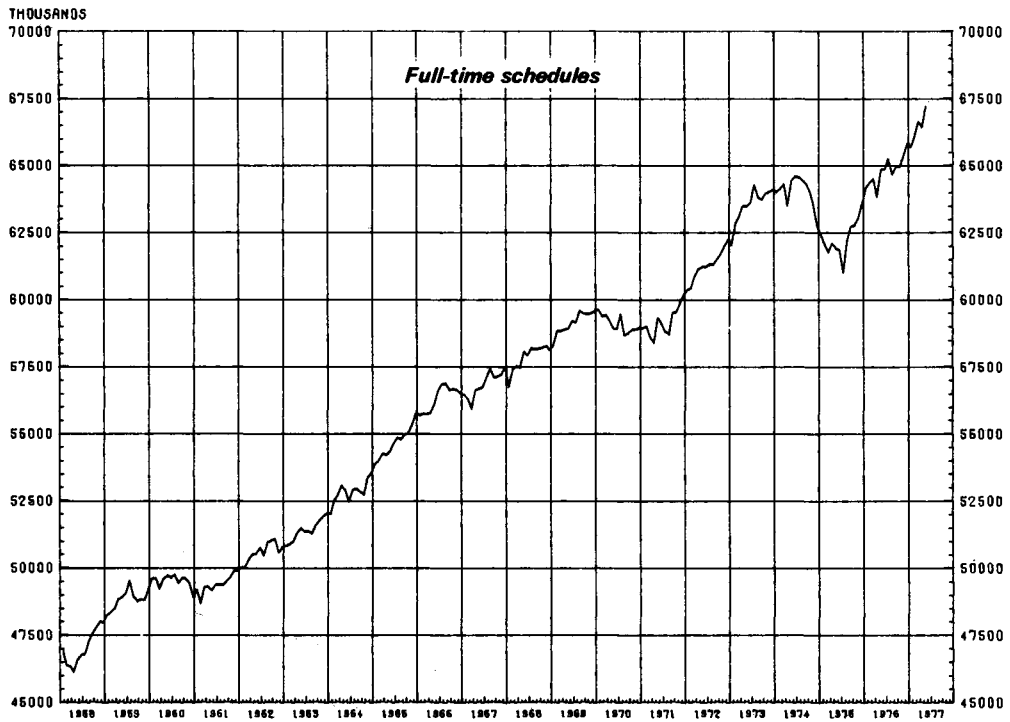
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

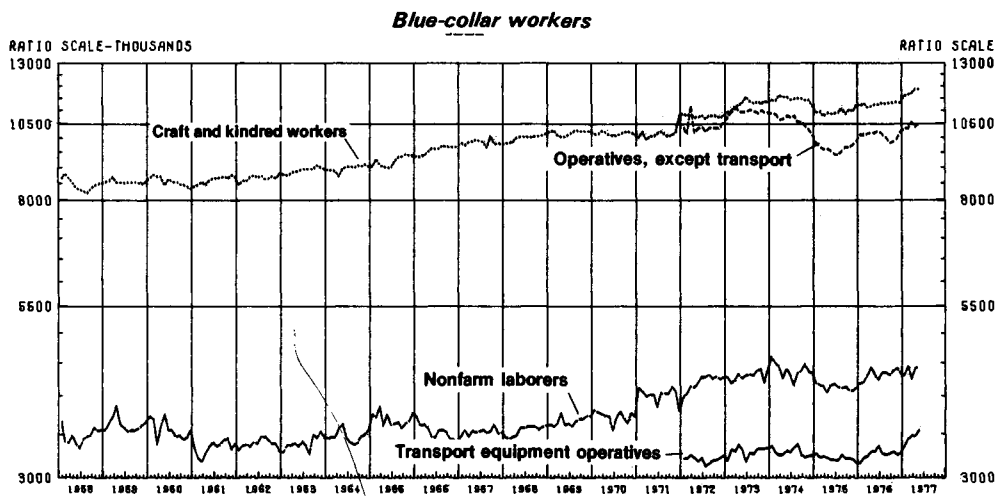
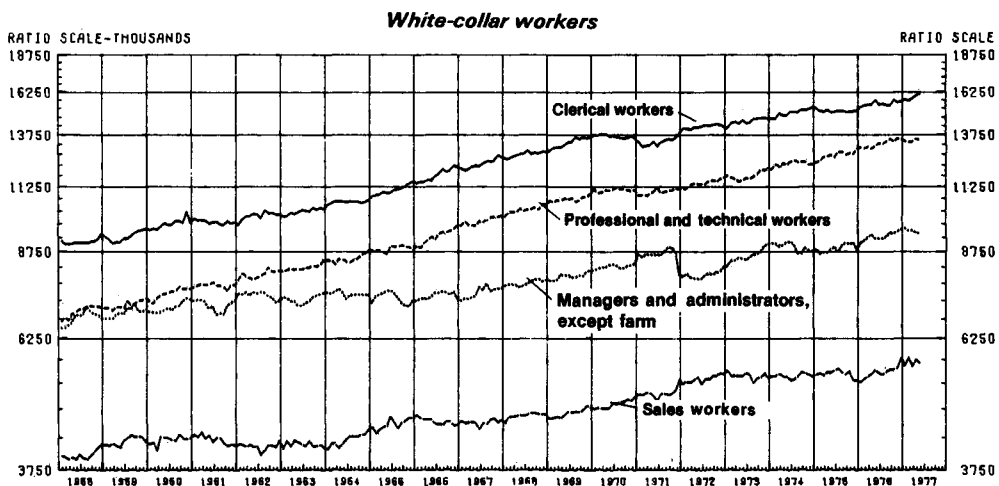
**Chart 8. Persons at work full and part time
in nonagricultural industries**
(Seasonally adjusted)



SOURCE: Table A-42.

Chart 9. Employment in nonfarm occupations

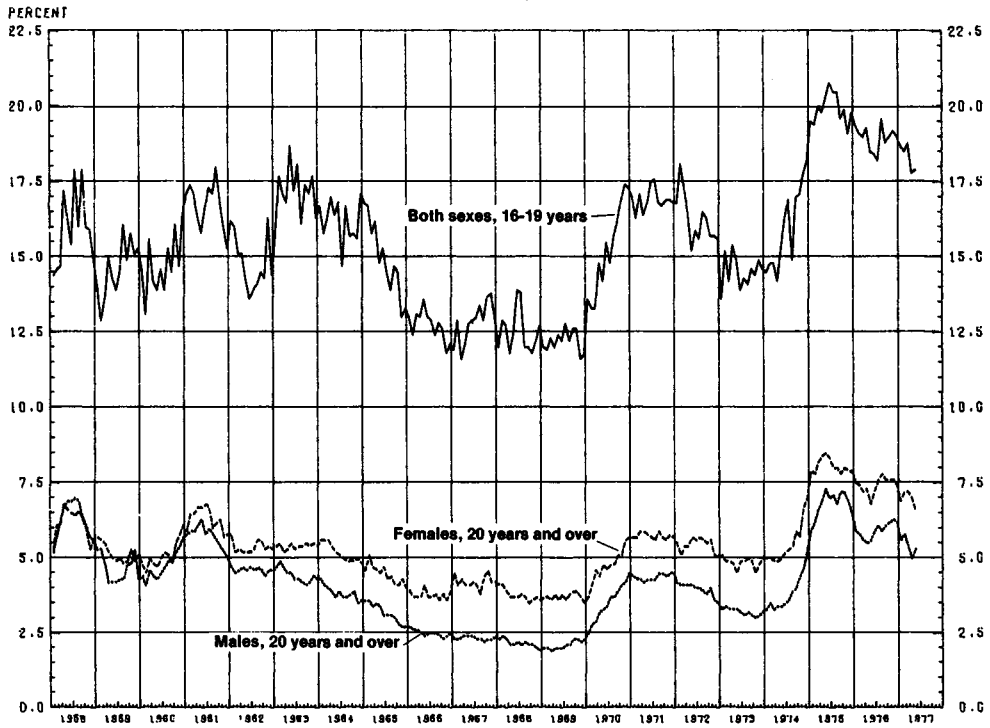
(Seasonally adjusted)



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.

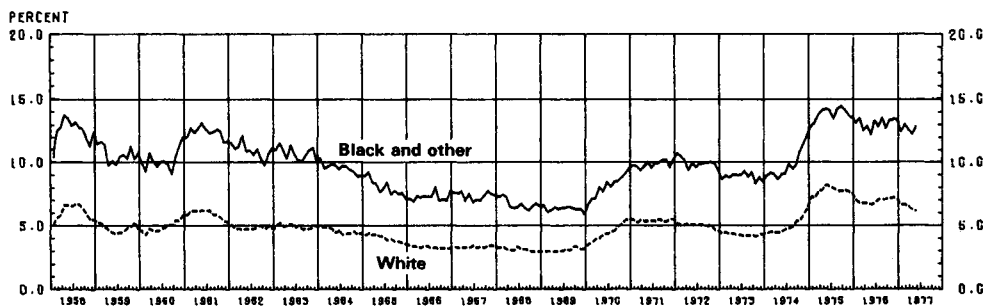
SOURCE: Table A-42.

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

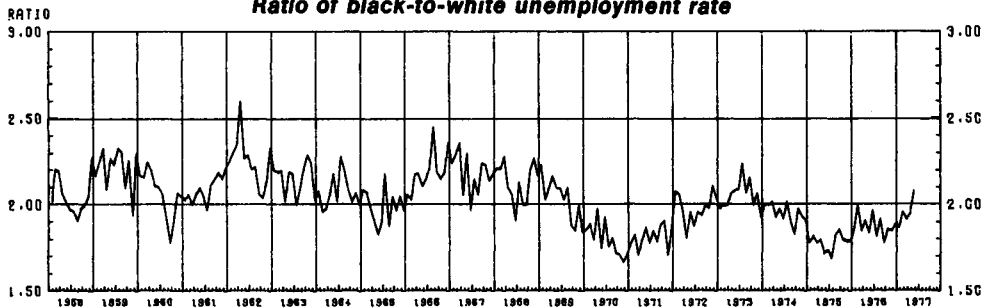


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)



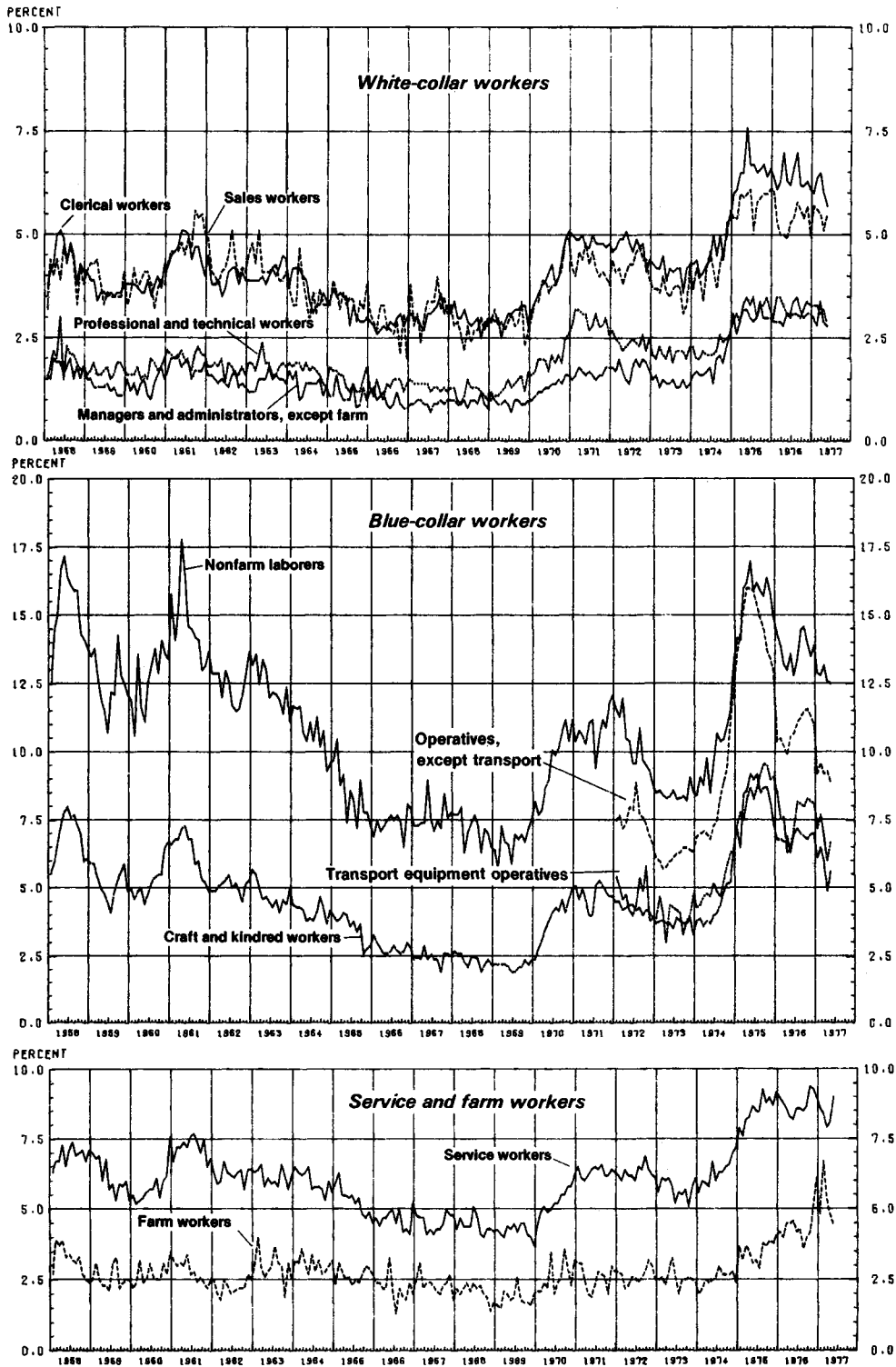
Ratio of black-to-white unemployment rate



SOURCE: Table A-36.

Chart 12. Unemployment rates by major occupational groups

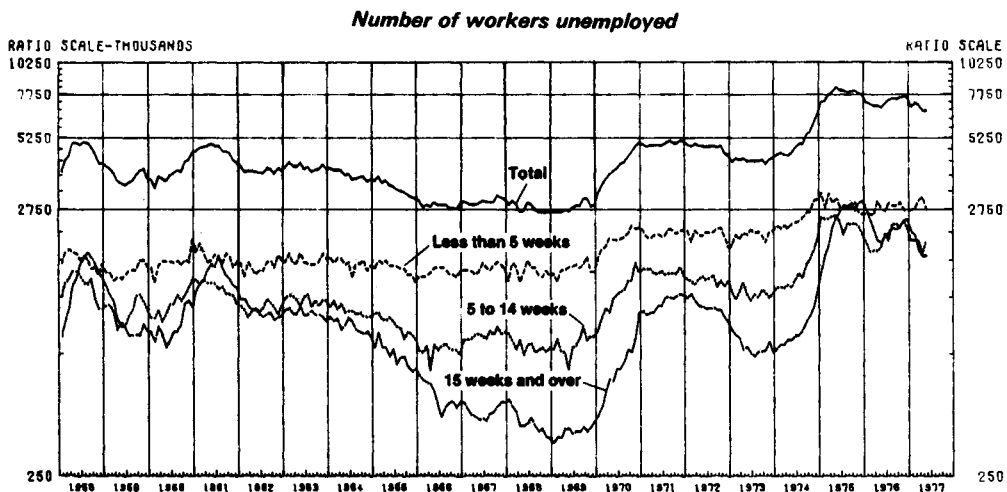
(Seasonally adjusted)



SOURCE: Table A-36.

Chart 13. Duration of unemployment

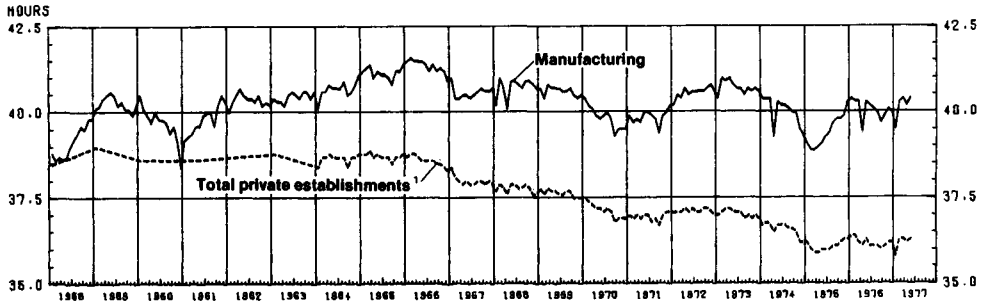
(Seasonally adjusted)



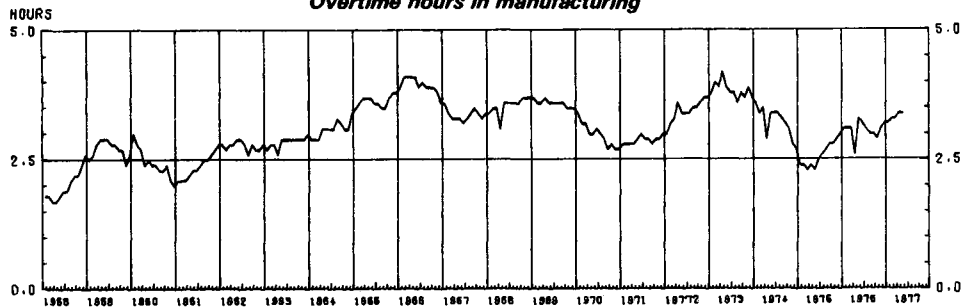
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing



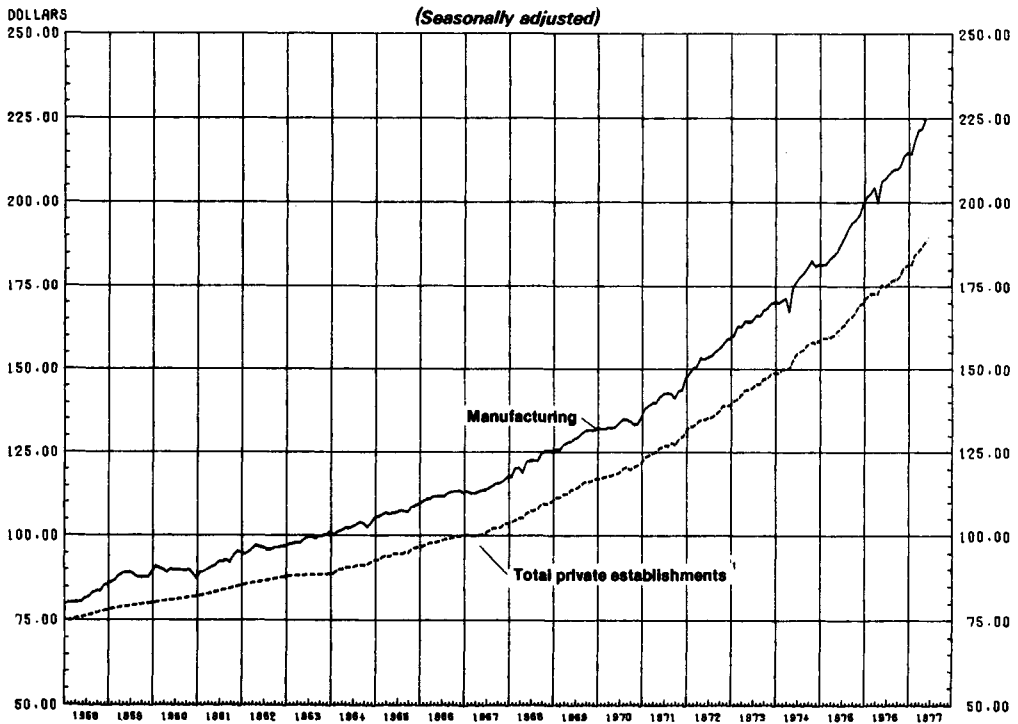
¹ Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

(Seasonally adjusted)

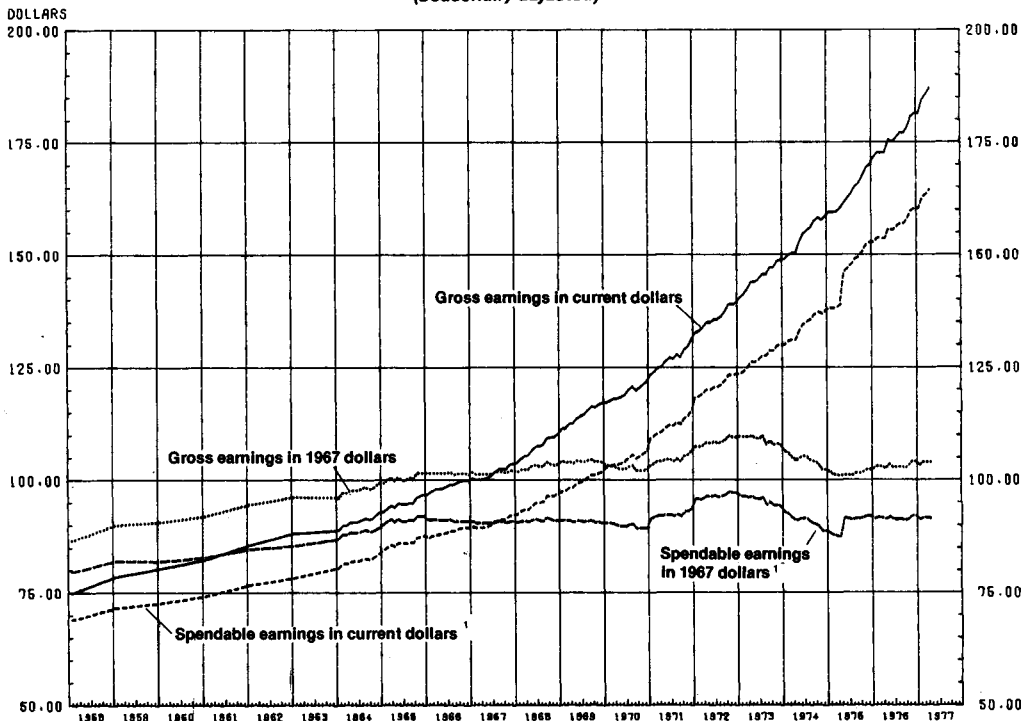


¹ Annual averages prior to 1964.

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)

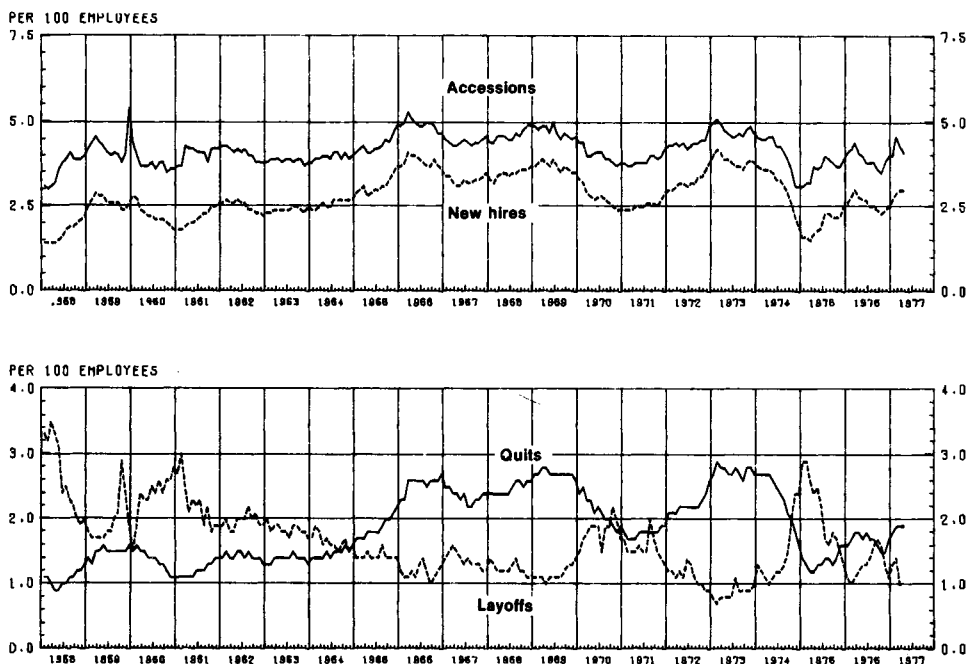


¹ Worker with three dependents.

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	Agriculture	Nonagricultural 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.....	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.....	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
Monthly data, seasonally adjusted²										
1976:										
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
May.....	158,228	99,286	62.7	97,158	90,408	3,386	87,022	6,750	6.9	58,943

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	49,523	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
Monthly data, seasonally adjusted ²										
1976:										
May.....	74,570	58,358	78.3	56,320	52,490	2,778	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
May.....	75,823	59,346	78.3	57,331	53,722	2,724	50,998	3,609	6.3	16,477
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 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
Monthly data, seasonally adjusted ²										
1976:										
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	42,964
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
May.....	82,405	39,940	48.5	39,827	36,686	662	36,024	3,141	7.9	42,465

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

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

[Numbers in thousands]

Sex, age, and race	May 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	58,837	77.6	56,822	53,525	3,297	5.8	16,986	336	4,557	1,914	10,179
16 to 21 years	8,445	66.5	7,741	6,648	1,094	14.1	4,254	23	3,736	34	461
16 to 19 years	5,092	59.9	4,761	4,038	722	15.2	3,407	19	3,076	14	298
16 to 17 years	2,011	47.4	1,985	1,666	319	16.1	2,233	10	2,099	2	122
18 to 19 years	3,081	72.4	2,776	2,372	403	14.5	1,174	8	977	11	177
20 to 64 years	51,906	89.2	50,223	47,745	2,478	4.9	6,252	150	1,479	1,388	3,234
20 to 24 years	8,395	84.6	7,653	6,855	798	10.4	1,524	11	1,115	59	338
25 to 54 years	36,480	94.2	35,539	34,091	1,449	4.1	2,258	75	360	738	1,085
25 to 29 years	8,204	94.1	7,828	7,354	474	6.1	515	10	242	60	202
30 to 34 years	7,180	96.3	6,942	6,646	296	4.3	273	13	50	76	133
35 to 39 years	5,702	96.2	5,507	5,318	188	3.4	228	3	28	85	112
40 to 44 years	5,168	95.6	5,076	4,895	181	3.6	237	6	21	108	102
45 to 49 years	5,176	92.9	5,144	5,000	144	2.8	393	26	16	179	172
50 to 54 years	5,049	89.2	5,043	4,878	165	3.3	612	16	4	230	363
55 to 64 years	7,032	74.0	7,030	6,799	231	3.3	2,471	64	4	591	1,812
55 to 59 years	4,298	82.9	4,297	4,184	112	2.6	888	26	4	309	549
60 to 64 years	2,734	63.3	2,733	2,614	119	4.4	1,582	38	--	282	1,262
65 years and over	1,839	20.1	1,839	1,742	97	5.3	7,327	168	2	512	6,646
65 to 69 years	1,092	29.9	1,092	1,023	70	6.4	2,566	36	2	197	2,331
70 years and over	747	13.6	747	719	27	3.7	4,761	132	--	315	4,315
White											
16 years and over	52,577	78.5	50,917	48,289	2,628	5.2	14,434	267	3,595	1,539	9,033
16 to 21 years	7,513	69.3	6,938	6,104	834	12.0	3,331	19	2,927	26	358
16 to 19 years	4,608	63.7	4,334	3,771	563	13.0	2,629	17	2,377	9	226
16 to 17 years	1,865	51.8	1,843	1,579	264	14.3	1,733	10	1,627	--	96
18 to 19 years	2,743	75.4	2,491	2,192	299	12.0	897	7	750	9	131
20 to 64 years	46,317	89.9	44,931	42,952	1,979	4.4	5,190	121	1,216	1,117	2,735
20 to 24 years	7,332	85.5	6,740	6,135	605	9.0	1,247	6	925	49	267
25 to 54 years	32,531	94.8	31,740	30,572	1,168	3.7	1,783	62	289	585	847
25 to 29 years	13,661	95.7	13,148	12,539	609	4.6	610	22	237	99	257
30 to 34 years	9,651	96.3	9,407	9,121	287	3.0	369	10	39	159	162
35 to 44 years	9,220	92.0	9,185	8,912	273	3.0	803	31	13	327	432
55 to 64 years	6,453	74.9	6,451	6,245	207	3.2	2,159	52	3	483	1,621
55 to 59 years	3,933	83.9	3,931	3,831	100	2.5	757	21	3	251	482
60 to 64 years	2,520	64.3	2,520	2,413	107	4.2	1,402	31	--	232	1,139
65 years and over	1,652	20.0	1,652	1,566	86	5.2	6,615	129	2	413	6,072
Black and other											
16 years and over	6,261	71.0	5,906	5,237	669	11.3	2,552	69	962	375	1,145
16 to 21 years	932	50.3	803	544	259	32.3	923	4	808	8	103
16 to 19 years	485	38.4	427	268	159	37.3	778	1	699	5	72
16 to 17 years	146	22.6	142	87	55	38.7	501	--	472	2	26
18 to 19 years	339	55.0	285	180	104	36.6	277	1	227	3	46
20 to 64 years	5,589	84.0	5,292	4,793	499	9.4	1,062	29	262	272	499
20 to 24 years	1,062	79.4	914	720	194	21.2	276	5	191	10	71
25 to 54 years	3,947	89.3	3,799	3,519	280	7.4	475	12	71	153	238
25 to 29 years	1,723	90.7	1,622	1,461	161	9.9	177	1	56	37	83
30 to 34 years	1,219	92.7	1,175	1,092	83	7.1	96	--	10	34	52
35 to 44 years	1,005	83.3	1,002	966	36	3.6	202	11	6	82	103
55 to 64 years	579	65.0	579	554	25	4.3	312	12	1	108	190
55 to 59 years	366	73.6	366	353	13	3.4	131	6	1	58	67
60 to 64 years	213	54.2	213	201	12	5.7	180	7	--	50	123
65 years and over	187	20.8	187	176	11	6.0	712	39	--	99	574

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	May 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	39,484	47.9	39,371	36,517	2,854	7.2	42,921	33,707	4,711	1,008	3,496
16 to 21 years	6,545	52.6	6,497	5,504	993	15.3	5,901	1,473	4,050	18	360
16 to 19 years	3,911	47.0	3,893	3,218	675	17.3	4,413	702	3,446	11	254
16 to 17 years	1,527	37.1	1,527	1,208	319	20.9	2,588	177	2,319	3	89
18 to 19 years	2,384	56.6	2,366	2,010	356	15.1	1,825	525	1,127	8	165
20 to 64 years	34,498	56.5	34,403	32,269	2,135	6.2	26,559	23,462	1,247	434	1,415
20 to 24 years	6,459	65.2	6,397	5,732	665	10.4	3,444	2,288	907	29	221
25 to 54 years	23,634	58.3	23,602	22,309	1,293	5.5	16,890	15,602	334	221	733
25 to 29 years	5,460	61.5	5,437	5,037	400	7.4	3,424	3,141	125	21	137
30 to 34 years	4,341	56.7	4,335	4,109	227	5.2	3,313	3,084	87	28	113
35 to 39 years	3,757	60.1	3,754	3,574	181	4.8	2,495	2,354	32	24	85
40 to 44 years	3,377	59.1	3,376	3,198	178	5.3	2,332	2,168	44	34	86
45 to 49 years	3,448	58.6	3,448	3,281	167	4.8	2,436	2,226	30	45	135
50 to 54 years	3,252	52.9	3,251	3,111	141	4.3	2,890	2,629	15	70	176
55 to 64 years	4,405	41.4	4,405	4,229	176	4.0	6,225	5,573	6	184	462
55 to 59 years	2,755	48.3	2,755	2,652	103	3.7	2,945	2,690	1	94	161
60 to 64 years	1,650	33.5	1,650	1,576	73	4.5	3,280	2,883	5	91	301
65 years and over	1,075	8.3	1,075	1,030	44	4.1	11,950	9,543	18	562	1,827
65 to 69 years	675	14.6	675	646	29	4.3	3,945	3,370	4	87	483
70 years and over	400	4.8	400	384	16	3.9	8,005	6,173	14	475	1,343
White											
16 years and over	34,389	47.7	34,297	32,084	2,213	6.5	37,689	30,159	3,731	793	3,005
16 to 21 years	5,873	55.8	5,833	5,053	780	13.4	4,660	1,174	3,190	15	281
16 to 19 years	3,579	50.9	3,563	3,005	558	15.7	3,455	561	2,694	8	192
16 to 17 years	1,422	41.0	1,422	1,155	267	18.8	2,044	139	1,839	3	62
18 to 19 years	2,156	60.4	2,141	1,850	291	13.6	1,412	422	855	5	130
20 to 64 years	29,851	56.1	29,774	28,156	1,619	5.4	23,361	20,837	1,021	334	1,171
20 to 24 years	5,599	66.4	5,549	5,082	467	8.4	2,827	1,893	736	22	176
25 to 54 years	20,294	57.6	20,267	19,271	995	4.9	14,912	13,880	277	169	585
25 to 34 years	8,318	58.3	8,295	7,832	463	5.6	5,938	5,525	170	36	208
35 to 44 years	6,094	59.0	6,091	5,824	267	4.4	4,241	3,997	69	44	130
45 to 54 years	5,882	55.4	5,881	5,616	265	4.5	4,732	4,358	39	88	247
55 to 64 years	3,959	41.3	3,959	3,803	156	3.9	5,623	5,063	6	144	409
55 to 59 years	2,486	48.5	2,486	2,397	90	3.6	2,640	2,425	2	74	139
60 to 64 years	1,472	33.0	1,472	1,406	66	4.5	2,983	2,638	5	70	270
65 years and over	960	8.1	960	923	36	3.8	10,872	8,761	16	451	1,642
Black and other											
16 years and over	5,095	49.3	5,074	4,433	641	12.6	5,233	3,548	980	214	491
16 to 21 years	672	35.1	664	452	212	32.0	1,241	298	860	3	80
16 to 19 years	333	25.8	330	213	117	35.5	957	140	752	3	62
16 to 17 years	105	16.2	105	53	52	49.1	545	38	480	--	26
18 to 19 years	228	35.5	225	159	65	29.1	413	103	272	3	35
20 to 64 years	4,647	59.2	4,629	4,113	516	11.1	3,197	2,625	226	100	245
20 to 24 years	860	58.3	848	650	198	23.3	616	394	171	7	44
25 to 54 years	3,341	62.8	3,335	3,037	298	8.9	1,977	1,722	55	53	147
25 to 34 years	1,483	65.0	1,477	1,314	163	11.0	798	700	43	13	42
35 to 44 years	1,039	63.9	1,039	947	92	8.8	586	525	7	13	41
45 to 54 years	819	58.0	818	776	43	5.2	593	496	6	27	64
55 to 64 years	446	42.6	446	426	21	4.6	603	510	--	41	53
55 to 59 years	269	46.8	269	256	13	4.9	306	265	--	19	22
60 to 64 years	178	37.4	178	170	7	4.2	297	245	--	21	31
65 years and over	115	9.6	115	107	8	7.2	1,078	782	2	111	184

HOUSEHOLD DATA

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	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
MALES								
16 years and over	57,846	58,837	77.6	77.6	55,808	56,822	76.9	77.0
16 to 19 years	4,952	5,092	58.4	59.9	4,604	4,761	56.6	58.3
16 to 17 years	1,914	2,011	45.3	47.4	1,891	1,985	45.0	47.1
18 to 19 years	3,038	3,081	71.4	72.4	2,713	2,776	69.1	70.3
20 to 24 years	8,319	8,395	85.5	84.6	7,568	7,653	84.3	83.4
25 to 54 years	35,854	36,480	94.1	94.2	34,917	35,539	94.0	94.0
25 to 34 years	14,907	15,384	95.3	95.1	14,301	14,770	95.2	94.9
35 to 44 years	10,614	10,870	95.3	95.9	10,321	10,583	95.2	95.8
45 to 54 years	10,333	10,225	91.3	91.1	10,295	10,187	91.2	91.0
55 to 64 years	6,921	7,032	74.1	74.0	6,920	7,030	74.1	74.0
55 to 59 years	4,211	4,298	83.4	82.9	4,210	4,297	83.4	82.9
60 to 64 years	2,710	2,734	63.2	63.3	2,710	2,733	63.2	63.3
65 years and over	1,800	1,839	20.2	20.1	1,800	1,839	20.2	20.1
White								
16 years and over	51,726	52,577	78.4	78.5	50,027	50,917	77.8	77.9
16 to 19 years	4,452	4,608	61.6	63.7	4,158	4,334	59.9	62.2
16 to 17 years	1,752	1,865	48.8	51.8	1,731	1,843	48.5	51.5
18 to 19 years	2,701	2,743	74.1	75.4	2,427	2,491	72.0	73.5
20 to 24 years	7,244	7,332	86.0	85.5	6,638	6,740	84.9	84.4
25 to 54 years	32,061	32,531	94.9	94.8	31,264	31,740	94.7	94.7
25 to 34 years	13,272	13,661	96.0	95.7	12,759	13,148	95.9	95.6
35 to 44 years	9,452	9,651	96.0	96.3	9,203	9,407	95.9	96.2
45 to 54 years	9,336	9,220	92.2	92.0	9,302	9,185	92.2	92.0
55 to 64 years	6,343	6,453	74.9	74.9	6,342	6,451	74.9	74.9
55 to 59 years	3,852	3,933	84.2	83.9	3,850	3,931	84.2	83.9
60 to 64 years	2,491	2,520	64.0	64.3	2,491	2,520	64.0	64.3
65 years and over	1,626	1,652	20.2	20.0	1,626	1,652	20.2	20.0
Black and other								
16 years and over	6,120	6,261	71.2	71.0	5,781	5,906	70.1	69.8
16 to 19 years	500	485	39.9	38.4	446	427	37.2	35.4
16 to 17 years	162	146	25.3	22.6	160	142	25.0	22.1
18 to 19 years	338	339	55.2	55.0	286	285	51.1	50.7
20 to 24 years	1,076	1,062	82.8	79.4	930	914	80.6	76.8
25 to 54 years	3,793	3,947	88.3	89.3	3,654	3,799	87.9	88.9
25 to 34 years	1,635	1,723	90.0	90.7	1,542	1,622	89.4	90.2
35 to 44 years	1,161	1,219	90.4	92.7	1,119	1,175	90.1	92.4
45 to 54 years	997	1,005	83.4	83.3	993	1,002	83.3	83.2
55 to 64 years	578	579	66.2	65.0	578	579	66.2	65.0
55 to 59 years	359	366	75.5	73.6	359	366	75.5	73.6
60 to 64 years	219	213	55.1	54.2	219	213	55.1	54.2
65 years and over	173	187	20.0	20.8	173	187	20.0	20.8

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
FEMALES								
16 years and over	37,877	39,484	46.7	47.9	37,773	39,371	46.6	47.8
16 to 19 years	3,949	3,911	47.6	47.0	3,929	3,893	47.4	46.9
16 to 17 years	1,541	1,527	37.5	37.1	1,541	1,527	37.5	37.1
18 to 19 years	2,408	2,384	57.4	56.6	2,388	2,366	57.2	56.5
20 to 24 years	6,199	6,459	63.9	65.2	6,142	6,397	63.7	65.0
25 to 54 years	22,449	23,634	56.3	58.3	22,423	23,602	56.3	58.3
25 to 34 years	9,046	9,800	56.5	59.3	9,023	9,773	56.5	59.2
35 to 44 years	6,740	7,133	57.4	59.6	6,736	7,130	57.4	59.6
45 to 54 years	6,664	6,700	54.9	55.7	6,663	6,699	54.9	55.7
55 to 64 years	4,215	4,405	40.3	41.4	4,215	4,405	40.3	41.4
55 to 59 years	2,634	2,755	47.3	48.3	2,634	2,755	47.3	48.3
60 to 64 years	1,581	1,650	32.2	33.5	1,581	1,650	32.2	33.5
65 years and over	1,064	1,075	8.3	8.3	1,064	1,075	8.3	8.3
White								
16 years and over	32,983	34,389	46.4	47.7	32,897	34,297	46.3	47.6
16 to 19 years	3,564	3,579	50.7	50.9	3,547	3,563	50.6	50.8
16 to 17 years	1,398	1,422	40.4	41.0	1,397	1,422	40.4	41.0
18 to 19 years	2,167	2,156	60.8	60.4	2,149	2,141	60.6	60.3
20 to 24 years	5,392	5,599	65.2	66.4	5,345	5,549	65.0	66.2
25 to 54 years	19,281	20,294	55.5	57.6	19,259	20,267	55.5	57.6
25 to 34 years	7,639	8,318	55.3	58.3	7,620	8,295	55.2	58.3
35 to 44 years	5,775	6,094	56.9	59.0	5,772	6,091	56.9	59.0
45 to 54 years	5,868	5,882	54.6	55.4	5,867	5,881	54.6	55.4
55 to 64 years	3,801	3,959	40.3	41.3	3,801	3,959	40.3	41.3
55 to 59 years	2,378	2,486	47.5	48.5	2,378	2,486	47.5	48.5
60 to 64 years	1,424	1,472	32.1	33.0	1,424	1,472	32.1	33.0
65 years and over	944	960	8.1	8.1	944	960	8.1	8.1
Black and other								
16 years and over	4,894	5,095	48.8	49.3	4,876	5,074	48.7	49.2
16 to 19 years	385	333	30.2	25.8	382	330	30.0	25.6
16 to 17 years	143	105	22.3	16.2	143	105	22.3	16.2
18 to 19 years	241	228	38.2	35.5	238	225	38.0	35.3
20 to 24 years	808	860	56.6	58.3	797	848	56.2	57.9
25 to 54 years	3,168	3,341	61.4	62.8	3,164	3,335	61.4	62.8
25 to 34 years	1,407	1,483	64.5	65.0	1,403	1,477	64.4	64.9
35 to 44 years	965	1,039	61.0	63.9	964	1,039	61.0	63.9
45 to 54 years	796	819	57.1	58.0	796	818	57.1	58.0
55 to 64 years	414	446	40.3	42.6	414	446	40.3	42.6
55 to 59 years	256	269	46.3	46.8	256	269	46.3	46.8
60 to 64 years	158	178	33.3	37.4	158	178	33.3	37.4
65 years and over	120	115	10.4	9.6	120	115	10.4	9.6

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

[Numbers in thousands]

Sex and age	May 1977						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Total							
16 years and over	9,497	8,306	217	8,089	1,191	12.5	6,762
16 to 19 years	661	399	18	382	262	39.6	1,549
16 to 17 years	217	118	9	110	99	45.6	941
18 to 19 years	444	281	9	272	163	36.7	608
20 to 24 years	1,522	1,166	22	1,144	357	23.4	778
25 to 54 years	6,116	5,598	117	5,481	518	8.5	2,023
25 to 34 years	2,664	2,363	36	2,326	301	11.3	734
35 to 44 years	1,903	1,747	34	1,714	155	8.2	582
45 to 54 years	1,549	1,488	46	1,441	62	4.0	707
55 to 64 years	917	876	40	837	41	4.4	824
55 to 59 years	564	542	22	520	22	4.0	398
60 to 64 years	353	334	17	317	18	5.2	426
65 years and over	280	267	22	245	13	4.7	1,588
Males							
16 years and over	5,042	4,432	184	4,248	610	12.1	2,271
16 to 19 years	374	225	18	207	149	39.8	711
16 to 17 years	122	71	9	63	51	41.6	463
18 to 19 years	251	154	9	144	98	38.9	247
20 to 24 years	778	604	13	591	175	22.4	239
25 to 54 years	3,220	2,965	92	2,872	255	7.9	414
25 to 34 years	1,368	1,216	30	1,186	152	11.1	134
35 to 44 years	1,002	928	28	900	73	7.3	90
45 to 54 years	850	821	35	786	30	3.5	190
55 to 64 years	500	478	39	439	22	4.5	294
55 to 59 years	312	301	22	279	11	3.5	126
60 to 64 years	189	177	17	160	12	6.2	167
65 years and over	170	161	21	140	9	5.1	614
Females							
16 years and over	4,455	3,874	34	3,840	581	13.0	4,491
16 to 19 years	288	174	--	175	113	39.4	839
16 to 17 years	95	47	--	47	48	50.8	478
18 to 19 years	193	128	--	128	65	33.8	361
20 to 24 years	744	562	9	553	182	24.5	539
25 to 54 years	2,895	2,633	23	2,610	262	9.1	1,609
25 to 34 years	1,896	1,147	6	1,141	149	11.5	600
35 to 44 years	901	819	12	813	82	9.1	492
45 to 54 years	699	667	1	656	32	4.5	517
55 to 64 years	417	398	1	398	18	4.4	530
55 to 59 years	253	241	1	240	12	4.6	272
60 to 64 years	164	157	--	157	7	4.1	258
65 years and over	111	106	1	105	5	4.2	974

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

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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	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
	TOTAL							
Total noninstitutional population	155,711	158,228	66,087	67,324	72,837	74,081	16,788	16,823
Total labor force	95,724	98,321	52,894	53,745	33,928	35,573	8,901	9,003
Percent of population	61.5	62.1	80.0	79.8	46.6	48.0	53.0	53.5
Civilian labor force	93,582	96,193	51,205	52,062	33,845	35,478	8,532	8,653
Employed	87,278	90,042	48,498	49,487	31,682	33,299	7,099	7,256
Agriculture	3,415	3,478	2,468	2,423	521	641	426	414
Nonagricultural industries	83,863	86,564	46,030	47,064	31,160	32,658	6,672	6,842
Unemployed	6,304	6,151	2,707	2,575	2,163	2,179	1,434	1,397
Percent of labor force	6.7	6.4	5.3	4.9	6.4	6.1	16.8	16.1
Not in labor force	59,988	59,907	13,193	13,579	38,908	38,509	7,886	7,820
White								
Total noninstitutional population	137,081	139,089	58,748	59,774	64,073	65,044	14,260	14,271
Total labor force	84,709	86,966	47,274	47,969	29,419	30,811	8,017	8,186
Percent of population	61.8	62.5	80.5	80.3	45.9	47.4	56.2	57.4
Civilian labor force	82,924	85,214	45,870	46,583	29,350	30,734	7,704	7,897
Employed	77,836	80,373	43,643	44,518	27,625	29,079	6,568	6,776
Agriculture	3,128	3,226	2,252	2,230	468	600	408	396
Nonagricultural industries	74,708	77,147	41,391	42,288	27,157	28,480	6,160	6,380
Unemployed	5,088	4,841	2,226	2,065	1,725	1,655	1,136	1,121
Percent of labor force	6.1	5.7	4.9	4.4	5.9	5.4	14.7	14.2
Not in labor force	52,372	52,123	11,475	11,805	34,654	34,233	6,243	6,085
Black and other								
Total noninstitutional population	18,630	19,140	7,339	7,550	8,764	9,037	2,528	2,552
Total labor force	11,015	11,356	5,620	5,776	4,509	4,762	885	817
Percent of population	59.1	59.3	76.6	76.5	51.5	52.7	35.0	32.0
Civilian labor force	10,658	10,979	5,335	5,479	4,494	4,744	828	756
Employed	9,442	9,669	4,854	4,969	4,057	4,220	530	480
Agriculture	287	252	216	193	53	41	18	17
Nonagricultural industries	9,155	9,417	4,639	4,776	4,004	4,178	512	463
Unemployed	1,216	1,310	481	510	437	524	298	276
Percent of labor force	11.4	11.9	9.0	9.3	9.7	11.1	35.9	36.5
Not in labor force	7,616	7,784	1,718	1,774	4,254	4,275	1,643	1,735

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

[Numbers in thousands]

Employment status	May 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,146	12,699	12,446	21,377	10,844	10,533	3,769	1,855	1,913
Total labor force	14,991	8,445	6,545	13,386	7,513	5,873	1,605	932	672
Percent of population	59.6	66.5	52.6	62.6	69.3	55.8	42.6	50.3	35.1
Civilian labor force	14,238	7,741	6,497	12,771	6,938	5,833	1,467	803	664
Employed	12,152	6,648	5,504	11,156	6,104	5,053	996	544	452
Agriculture	588	503	85	562	480	82	25	23	2
Nonagricultural industries	11,564	6,145	5,420	10,594	5,624	4,971	970	521	449
Unemployed	2,086	1,094	993	1,615	834	780	472	259	212
Percent of labor force	14.7	14.1	15.3	12.6	12.0	13.4	32.1	32.3	32.0
Looking for full-time work	1,480	815	665	1,099	596	503	381	219	162
Looking for part-time work	606	278	328	515	238	278	91	40	50
Not in labor force	10,155	4,254	5,901	7,991	3,331	4,660	2,164	923	1,241
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	4,295	2,323	1,972	3,906	2,117	1,788	389	206	184
Employed	3,509	1,920	1,589	3,285	1,802	1,483	224	118	106
Agriculture	227	194	33	220	189	31	7	5	2
Nonagricultural industries	3,282	1,726	1,556	3,065	1,613	1,453	216	113	103
Unemployed	786	403	383	621	316	305	165	87	78
Percent of labor force	18.3	17.4	19.4	15.9	14.9	17.0	42.5	42.5	42.5
Looking for full-time work	301	163	138	221	115	106	80	49	32
Looking for part-time work	485	240	245	400	201	199	85	39	46
Not in labor force	7,786	3,736	4,050	6,117	2,927	3,190	1,668	808	860
MAJOR ACTIVITY: OTHER									
Civilian labor force	9,943	5,418	4,525	8,866	4,820	4,045	1,078	598	480
Employed	8,643	4,728	3,916	7,872	4,302	3,570	772	426	346
Agriculture	361	309	52	343	291	51	18	18	--
Nonagricultural industries	8,283	4,419	3,864	7,529	4,011	3,518	754	408	346
Unemployed	1,300	690	610	994	518	476	306	172	134
Percent of labor force	13.1	12.7	13.5	11.2	10.8	11.8	28.4	28.8	27.9
Looking for full-time work	1,179	652	527	878	482	397	301	170	130
Looking for part-time work	121	38	83	116	37	79	6	1	4
Not in labor force	2,369	518	1,851	1,874	403	1,470	496	115	381

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

[Numbers in thousands]

Race, sex, and age	May 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	81,272	72,963	3,237	5,072	6.2	14,921	13,842	1,079	7.2
16 to 21 years	8,714	6,417	817	1,480	17.0	5,524	4,918	606	11.0
16 to 19 years	4,120	2,761	500	859	20.9	4,533	3,995	538	11.9
16 to 17 years	745	375	126	244	32.8	2,767	2,373	393	14.2
18 to 19 years	3,375	2,387	374	615	18.2	1,766	1,622	145	8.2
20 years and over	77,152	70,202	2,737	4,213	5.5	10,388	9,847	541	5.2
20 to 24 years	12,090	10,044	717	1,330	11.0	1,960	1,826	133	6.8
25 years and over	65,062	60,158	2,020	2,883	4.4	8,428	8,021	408	4.8
25 to 54 years	53,465	49,382	1,613	2,470	4.6	5,676	5,404	272	4.8
55 years and over	11,596	10,776	408	414	3.6	2,753	2,617	135	4.9
Males, 16 years and over	51,782	47,347	1,564	2,871	5.5	5,040	4,614	426	8.5
16 to 21 years	4,949	3,665	469	815	16.5	2,792	2,514	278	10.0
16 to 19 years	2,412	1,638	296	478	19.8	2,349	2,104	245	10.4
20 years and over	49,371	45,709	1,268	2,394	4.8	2,691	2,510	181	6.7
20 to 24 years	6,809	5,693	368	749	11.0	844	794	50	5.9
25 years and over	42,562	40,016	900	1,645	3.9	1,847	1,716	131	7.1
25 to 54 years	34,825	32,744	681	1,400	4.0	714	666	49	6.9
55 years and over	7,737	7,272	219	245	3.2	1,133	1,050	83	7.3
Females, 16 years and over	29,490	25,616	1,673	2,201	7.5	9,881	9,228	653	6.6
16 to 21 years	3,766	2,753	348	665	17.7	2,732	2,404	328	12.0
16 to 19 years	1,709	1,123	204	382	22.3	2,184	1,891	293	13.4
20 years and over	27,781	24,493	1,469	1,819	6.5	7,697	7,338	360	4.7
20 to 24 years	5,281	4,351	349	581	11.0	1,116	1,032	84	7.5
25 years and over	22,500	20,142	1,120	1,238	5.5	6,581	6,306	276	4.2
25 to 54 years	18,640	16,639	931	1,070	5.7	4,962	4,738	223	4.5
55 years and over	3,859	3,504	188	168	4.4	1,620	1,567	53	3.3
White									
Males, 16 years and over	46,345	42,744	1,338	2,263	4.9	4,572	4,206	365	8.0
16 to 21 years	4,347	3,332	419	596	13.7	2,591	2,353	238	9.2
16 to 19 years	2,137	1,526	260	351	16.4	2,197	1,985	212	9.7
20 years and over	44,208	41,218	1,079	1,912	4.3	2,375	2,221	153	6.5
20 to 24 years	6,004	5,109	331	564	9.4	736	695	40	5.5
25 years and over	38,204	36,109	748	1,348	3.5	1,639	1,526	113	6.9
25 to 54 years	31,112	29,429	554	1,129	3.6	628	589	40	6.4
55 years and over	7,093	6,680	194	219	3.1	1,010	937	74	7.3
Females, 16 years and over	25,246	22,249	1,326	1,671	6.6	9,051	8,509	542	6.0
16 to 21 years	3,308	2,490	316	503	15.2	2,525	2,247	278	11.0
16 to 19 years	1,534	1,038	187	310	20.2	2,029	1,780	248	12.2
20 years and over	23,712	21,211	1,139	1,362	5.7	7,022	6,729	293	4.2
20 to 24 years	4,525	3,836	289	400	8.8	1,024	957	67	6.6
25 years and over	19,187	17,375	850	962	5.0	5,998	5,772	226	3.8
25 to 54 years	15,707	14,200	694	813	5.2	4,559	4,377	182	4.0
55 years and over	3,480	3,175	156	148	4.3	1,439	1,395	45	3.1
Black and other									
Males, 16 years and over	5,437	4,603	226	608	11.2	468	408	61	13.0
16 to 21 years	602	333	50	219	36.4	201	161	40	19.9
16 to 19 years	275	112	36	126	46.0	152	119	33	21.6
20 years and over	5,162	4,491	189	482	9.3	316	288	28	8.8
20 to 24 years	805	584	37	184	22.9	108	99	9	8.5
25 years and over	4,357	3,907	152	298	6.8	208	189	19	9.1
25 to 54 years	3,713	3,315	127	271	7.3	86	76	8	9.3
55 years and over	644	592	25	26	4.0	122	114	10	8.2
Females, 16 years and over	4,243	3,367	346	530	12.5	830	719	111	13.4
16 to 21 years	457	263	32	162	35.4	207	156	50	24.4
16 to 19 years	175	86	17	72	41.3	155	110	45	28.9
20 years and over	4,069	3,281	330	458	11.3	675	609	66	9.8
20 to 24 years	756	515	60	181	24.0	92	75	16	17.8
25 years and over	3,313	2,766	270	277	8.4	583	534	50	8.6
25 to 54 years	2,933	2,439	237	257	8.8	402	361	41	10.2
55 years and over	381	327	32	20	5.2	181	172	8	4.4

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	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
Total, 16 years and over	3,508	3,297	6.3	5.8	2,796	2,854	7.4	7.2
16 to 19 years	801	722	17.4	15.2	633	675	16.1	17.3
16 to 17 years	379	319	20.0	16.1	291	319	18.9	20.9
18 to 19 years	422	403	15.5	14.5	343	356	14.4	15.1
20 years and over	2,707	2,575	5.3	4.9	2,163	2,179	6.4	6.1
20 to 24 years	843	798	11.1	10.4	658	665	10.7	10.4
25 years and over	1,864	1,777	4.3	4.0	1,505	1,514	5.4	5.2
25 to 34 years	786	770	5.5	5.2	644	627	7.1	6.4
35 to 44 years	360	370	3.5	3.5	355	359	5.3	5.0
45 to 54 years	350	309	3.4	3.0	302	308	4.5	4.6
55 to 64 years	272	231	3.9	3.3	167	176	4.0	4.0
55 to 59 years	155	112	3.7	2.6	112	103	4.3	3.7
60 to 64 years	117	119	4.3	4.4	55	73	3.5	4.5
65 years and over	96	97	5.3	5.3	37	44	3.5	4.1
Household heads, 16 years and over	1,922	1,736	4.3	3.8	542	573	6.3	6.2
16 to 24 years	338	289	8.0	7.1	116	114	9.9	9.0
25 to 54 years	1,241	1,132	3.8	3.5	350	356	6.7	6.3
55 years and over	343	315	4.1	3.7	77	103	3.5	4.5

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	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
Total, 16 years and over	3,508	3,297	6.3	5.8	2,796	2,854	7.4	7.2
Married, spouse present	1,523	1,360	3.8	3.4	1,269	1,230	5.9	5.6
Widowed, divorced, or separated	313	326	8.1	8.1	521	525	7.4	7.0
Single (never married)	1,671	1,611	13.7	12.4	1,007	1,099	11.0	11.3
White, 16 years and over	2,872	2,628	5.7	5.2	2,216	2,213	6.7	6.5
Married, spouse present	1,307	1,137	3.6	3.1	1,077	1,026	5.6	5.2
Widowed, divorced, or separated	238	255	7.6	7.7	386	382	6.7	6.3
Single (never married)	1,328	1,236	12.4	10.9	753	805	9.5	9.6
Black and other, 16 years and over	635	669	11.0	11.3	581	641	11.9	12.6
Married, spouse present	216	223	6.1	6.2	192	204	8.5	8.8
Widowed, divorced, or separated	76	71	10.4	9.7	135	143	10.1	10.1
Single (never married)	343	375	22.6	23.5	254	294	19.9	22.3
Total, 20 to 64 years of age	2,611	2,478	5.3	4.9	2,126	2,135	6.5	6.2
Married, spouse present	1,417	1,245	3.7	3.3	1,206	1,157	5.8	5.4
Widowed, divorced, or separated	289	316	8.0	8.3	497	484	7.8	7.1
Single (never married)	905	916	11.6	11.0	423	493	7.5	8.1
White, 20 to 64 years of age	2,145	1,979	4.8	4.4	1,690	1,619	5.9	5.4
Married, spouse present	1,210	1,034	3.5	3.0	1,023	958	5.5	5.0
Widowed, divorced, or separated	221	246	7.6	7.9	362	354	7.1	6.4
Single (never married)	713	700	10.6	9.7	306	307	6.5	6.0
Black and other, 20 to 64 years of age	466	499	9.0	9.4	435	516	9.9	11.1
Married, spouse present	207	213	6.1	6.2	183	199	8.3	8.8
Widowed, divorced, or separated	68	70	9.9	10.2	135	131	10.8	9.8
Single (never married)	192	216	17.7	18.5	117	187	12.7	18.3

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
Total	6,304	6,151	6.7	6.4	6.3	5.8	7.4	7.2
White-collar workers	1,893	1,820	4.2	3.9	3.2	2.9	5.1	4.9
Professional and technical	391	375	2.9	2.7	2.4	2.1	3.5	3.5
Managers and administrators, except farm	280	258	2.9	2.7	2.6	2.2	4.2	4.1
Sales workers	270	309	4.7	5.2	3.1	4.4	6.7	6.3
Clerical workers	952	879	5.8	5.2	6.3	4.6	5.7	5.4
Blue-collar workers	2,631	2,399	8.3	7.3	7.8	6.8	10.8	9.8
Craft and kindred workers	707	657	5.9	5.2	5.8	5.1	7.5	7.6
Carpenters and other construction craft	376	339	10.3	8.6	10.2	8.4	(1)	(1)
All other	331	318	4.0	3.7	3.8	3.5	6.6	6.4
Operatives, except transport	1,122	956	10.0	8.4	8.9	7.2	11.8	10.3
Transport equipment operatives	202	224	5.8	6.0	6.0	6.0	3.1	5.8
Nonfarm laborers	600	562	12.1	11.1	12.3	11.1	9.7	11.3
Construction laborers	155	155	16.7	16.8	16.8	16.7	(1)	(1)
All other	445	407	12.4	9.9	11.2	9.7	9.8	10.8
Service workers	911	1,033	7.1	7.8	7.2	7.8	7.0	7.7
Private household	58	63	5.1	5.7	(1)	(1)	5.2	5.7
All other	853	970	7.3	7.9	7.2	7.8	7.3	8.0
Farm workers	97	95	3.2	3.1	2.5	2.9	6.8	3.7
No previous work experience	771	804	--	--	--	--	--	--
16 to 19 years	602	585	--	--	--	--	--	--
20 to 24 years	124	136	--	--	--	--	--	--
25 years and over	45	82	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
Total	100.0	100.0	6.7	6.4	6.3	5.8	7.4	7.2
Nonagricultural private wage and salary workers	75.0	76.6	7.0	6.0	6.6	5.6	7.6	6.6
Mining	.5	.4	3.9	3.2	4.2	2.8	(1)	(1)
Construction	8.7	8.6	13.2	11.8	13.4	11.9	9.4	9.2
Manufacturing	24.2	21.3	7.2	6.1	6.1	5.0	9.9	8.6
Durable goods	14.5	11.7	7.3	5.7	6.5	5.1	9.9	7.5
Lumber and wood products	1.1	1.0	9.9	9.2	10.2	9.6	7.8	6.2
Furniture and fixtures	.8	.8	8.9	9.0	8.6	8.8	9.7	9.3
Stone, clay, and glass products	.7	.7	6.4	6.1	5.7	5.4	9.6	8.6
Primary metal industries	1.5	.7	6.9	3.3	6.4	3.4	11.0	2.4
Fabricated metal products	1.9	1.4	8.1	5.7	8.3	5.9	7.6	5.1
Machinery, except electrical equipment	2.6	2.0	6.8	5.1	6.5	4.7	8.2	6.6
Electrical equipment	2.1	2.1	6.3	6.1	4.2	4.1	9.3	8.7
Transportation equipment	2.1	1.6	6.6	4.8	5.9	3.8	10.5	10.3
Automobiles	1.0	.5	5.7	2.8	5.5	2.1	6.9	6.2
Other transportation equipment	1.2	1.1	7.7	7.5	6.6	5.9	13.2	15.6
Instruments and related products	.7	.4	7.9	4.0	3.6	3.5	14.9	4.7
Other durable goods industries	1.1	1.0	9.3	8.9	6.9	9.5	12.8	8.1
Nondurable goods	9.7	9.6	7.2	6.7	5.4	4.8	9.9	9.5
Food and kindred products	2.3	2.9	8.4	9.4	7.1	6.1	12.2	17.3
Textile mill products	1.4	.9	9.3	5.6	7.9	4.3	10.7	7.0
Apparel and other textile products	1.9	2.1	9.1	9.0	7.1	7.8	9.7	9.4
Paper and allied products	.7	.5	5.9	4.1	4.2	1.8	11.4	11.1
Printing and publishing	1.0	1.1	5.1	5.5	4.2	5.0	6.6	6.3
Chemicals and allied products	1.0	.8	5.3	4.2	3.2	3.5	11.3	6.3
Rubber and plastics products	.7	.6	6.5	5.4	5.4	4.1	8.7	7.9
Other nondurable goods industries	.7	.7	6.4	7.1	4.3	6.5	9.2	8.5
Transportation and public utilities	3.6	3.3	4.3	4.1	4.7	4.0	5.2	4.3
Railroads and railway express	.4	.1	4.8	1.3	4.3	1.1	(1)	(1)
Other transportation	2.4	2.3	6.8	6.0	7.0	6.2	6.2	5.1
Communication and other public utilities	.8	.8	2.6	2.6	1.8	1.9	4.2	3.8
Wholesale and retail trade	20.6	22.1	7.6	7.7	6.5	6.9	8.9	8.6
Finance, insurance, and real estate	2.7	2.7	3.9	3.6	3.2	3.0	4.4	4.1
Service industries	14.8	16.3	6.3	6.6	6.4	6.4	6.2	6.6
Professional services	5.9	6.4	4.5	4.5	4.5	3.9	4.4	4.8
All other service industries	8.8	9.9	8.6	9.3	8.1	8.6	9.1	9.9
Agricultural wage and salary workers	2.1	2.0	9.1	8.3	7.6	7.9	16.3	9.9
All other classes of workers	10.7	10.2	2.8	2.6	2.7	2.1	2.9	3.2
No previous work experience	12.2	13.1	--	--	--	--	--	--

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	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	6,304	6,151	2,707	2,575	2,163	2,179	1,434	1,397	5,088	4,841	1,216	1,310
Job losers	3,201	2,774	1,890	1,649	1,008	850	303	275	2,657	2,206	545	569
On layoff	853	664	497	356	290	239	66	69	760	553	93	111
Other job losers	2,349	2,110	1,393	1,293	718	611	238	206	1,897	1,653	452	457
Job leavers	716	758	250	295	533	350	133	113	592	658	124	100
Reentrants	1,619	1,818	495	532	726	858	399	428	1,258	1,398	362	419
New entrants	768	801	73	99	96	121	598	582	582	579	185	222
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	50.8	45.1	69.8	64.0	46.6	39.1	21.2	19.8	52.2	45.5	44.8	43.4
On layoff	13.5	10.8	18.4	13.8	13.4	11.0	4.6	5.0	14.9	11.4	7.6	8.5
Other job losers	37.3	34.3	51.4	50.2	33.2	28.1	16.6	14.8	37.3	34.1	37.2	34.9
Job leavers	11.4	12.3	9.2	11.5	15.4	16.1	9.3	8.1	11.6	13.6	10.2	7.6
Reentrants	25.7	29.6	18.3	20.7	33.6	39.4	27.8	30.6	24.7	28.9	29.8	32.0
New entrants	12.2	13.0	2.7	3.8	4.4	5.5	41.7	41.6	11.4	12.0	15.2	17.0
UNEMPLOYMENT RATE												
Total unemployment rate	6.7	6.4	5.3	4.9	6.4	6.1	16.8	16.1	6.1	5.7	11.4	11.9
Job loser rate ¹	3.4	2.9	3.7	3.2	3.0	2.4	3.6	3.2	3.2	2.5	5.1	5.2
Job leaver rate ¹	.8	.8	.5	.6	1.0	1.0	1.6	1.3	.7	.8	1.2	.9
Reentrant rate ¹	1.7	1.9	1.0	1.0	2.1	2.4	4.7	4.9	1.5	1.6	3.4	3.8
New entrant rate ¹	.8	.8	.1	.2	.3	.3	7.0	6.7	.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	May 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	6,151	100.0	39.6	26.6	33.8	15.6	18.2
Job losers	2,774	100.0	30.3	25.6	44.2	19.8	24.4
On layoff	664	100.0	47.7	23.2	29.1	15.2	13.9
Other job losers	2,110	100.0	24.8	26.3	48.9	21.2	27.7
Job leavers	758	100.0	40.2	28.9	30.9	16.9	14.0
Reentrants	1,818	100.0	50.2	27.0	22.9	10.6	12.3
New entrants	801	100.0	47.6	26.8	25.6	11.2	14.4
Males, 20 years and over	2,575	100.0	31.8	26.5	41.7	18.0	23.7
Job losers	1,649	100.0	27.0	26.3	46.7	20.0	26.7
On layoff	356	100.0	41.7	23.5	34.7	17.1	17.6
Other job losers	1,293	100.0	22.9	27.0	50.1	20.8	29.3
Job leavers	295	100.0	40.5	29.9	29.6	16.3	13.3
Reentrants	532	100.0	43.2	26.6	30.2	13.3	16.9
New entrants	99	100.0	25.5	18.4	56.1	14.3	41.8
Females, 20 years and over	2,179	100.0	40.8	26.8	32.3	14.7	17.6
Job losers	850	100.0	30.4	26.4	43.3	18.6	24.7
On layoff	239	100.0	47.1	26.9	26.0	15.5	10.5
Other job losers	611	100.0	24.1	25.9	50.1	19.8	30.3
Job leavers	350	100.0	35.1	29.7	35.2	18.9	16.3
Reentrants	858	100.0	52.7	25.6	21.7	9.9	11.8
New entrants	121	100.0	45.9	30.3	23.8	10.7	13.1
Both sexes, 16 to 19 years	1,397	100.0	52.2	26.4	21.4	12.5	8.9
Job losers	275	100.0	49.5	19.3	31.3	21.8	9.5
On layoff	69	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers	206	100.0	39.1	22.7	38.1	27.5	10.6
Job leavers	113	100.0	55.8	23.0	21.3	13.3	8.0
Reentrants	428	100.0	53.7	30.4	15.8	8.6	7.2
New entrants	582	100.0	51.6	27.5	20.8	10.8	10.0

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	May 1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,151	5,329	25.7	5.9	74.9	29.8	13.2	7.4	1.57
16 to 19 years	1,397	1,301	18.7	2.4	84.6	21.5	10.0	5.3	1.43
20 to 24 years	1,463	1,298	26.0	7.7	77.7	29.0	12.5	5.0	1.58
25 to 34 years	1,397	1,165	33.6	7.4	69.2	37.0	14.0	5.8	1.67
35 to 44 years	728	631	28.4	6.8	70.4	34.4	13.5	9.8	1.63
45 to 54 years	616	484	25.2	6.4	64.9	31.8	18.8	13.8	1.61
55 to 64 years	408	324	25.6	5.6	71.3	28.7	17.6	15.4	1.64
65 years and over	141	127	12.6	5.5	67.7	30.7	11.0	8.7	1.36
Males, 16 years and over	3,297	2,803	28.8	6.2	75.8	27.8	15.0	9.8	1.63
16 to 19 years	722	664	22.1	3.2	84.6	19.1	13.0	6.5	1.49
20 to 24 years	798	688	28.3	6.5	80.4	29.1	14.1	5.7	1.64
25 to 34 years	770	621	40.9	8.9	66.2	33.7	14.2	7.7	1.72
35 to 44 years	370	318	31.1	8.5	73.3	28.9	18.9	15.4	1.76
45 to 54 years	309	243	26.7	7.0	64.6	29.6	21.0	19.8	1.68
55 to 64 years	231	176	22.2	2.3	76.7	30.1	18.2	21.6	1.71
65 years and over	97	94	8.5	5.3	79.8	27.7	6.4	9.6	1.37
Females, 16 years and over	2,854	2,525	22.4	5.6	73.9	32.1	11.2	4.6	1.50
16 to 19 years	675	637	15.1	1.6	84.6	24.0	7.1	4.1	1.37
20 to 24 years	665	610	23.4	9.0	74.6	28.9	10.7	4.1	1.51
25 to 34 years	627	544	25.2	5.7	72.6	40.6	13.8	3.7	1.62
35 to 44 years	359	312	25.3	5.1	67.6	40.1	7.7	3.8	1.50
45 to 54 years	308	241	23.7	5.8	65.6	34.4	16.2	7.5	1.53
55 to 64 years	176	148	29.7	10.1	64.9	27.0	16.9	8.1	1.57
65 years and over	44	33	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	4,841	4,137	23.7	5.7	76.3	31.4	13.3	7.4	1.58
Males	2,628	2,213	26.5	6.1	76.1	29.0	15.4	10.4	1.64
Females	2,213	1,924	20.5	5.1	76.5	34.1	10.8	3.9	1.51
Black and other	1,310	1,191	32.8	7.0	70.2	24.5	12.8	7.1	1.54
Males	669	590	37.3	6.6	75.1	23.2	13.2	7.3	1.63
Females	641	601	28.4	7.3	65.4	25.8	12.3	7.0	1.46

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

because many jobseekers use more than one method.

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

Sex and reason	May 1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,151	5,329	25.7	5.9	74.9	29.8	13.2	7.3	1.57
Job losers	2,774	2,077	33.1	6.6	72.3	30.4	15.8	9.9	1.68
Job leavers	758	737	24.2	7.1	73.1	36.6	14.5	3.4	1.59
Reentrants	1,818	1,724	21.3	6.0	74.4	29.6	11.7	7.4	1.50
New entrants	801	792	17.7	3.0	84.1	22.2	8.1	4.0	1.39
Males, 16 years and over	3,297	2,803	28.8	6.2	75.8	27.8	15.0	9.8	1.63
Job losers	1,821	1,390	36.4	7.3	73.5	29.2	16.6	12.1	1.75
Job leavers	352	345	20.6	6.4	75.6	34.2	15.1	4.9	1.57
Reentrants	750	699	22.0	5.2	75.3	26.6	15.5	10.6	1.55
New entrants	374	370	20.5	4.3	85.9	18.9	7.6	4.1	1.41
Females, 16 years and over	2,854	2,525	22.4	5.6	73.9	32.1	11.2	4.6	1.50
Job losers	954	687	26.3	5.4	69.9	32.9	14.3	5.4	1.54
Job leavers	406	392	27.3	7.4	70.9	38.8	13.8	2.3	1.61
Reentrants	1,068	1,025	20.9	6.5	74.0	32.0	9.1	5.2	1.48
New entrants	426	422	15.2	1.9	82.5	24.9	8.8	4.0	1.37

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	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
Total	6,304	6,151	100.0	100.0	2,464	2,309	100.0	100.0
Less than 5 weeks	2,450	2,437	38.9	39.6	796	756	32.3	32.7
5 to 14 weeks	1,544	1,635	24.5	26.6	562	642	22.8	27.8
5 to 10 weeks	1,116	1,214	17.7	19.7	398	438	16.2	19.0
11 to 14 weeks	428	421	6.8	6.8	164	204	6.7	8.8
15 weeks and over	2,310	2,078	36.6	33.8	1,106	911	44.9	39.5
15 to 26 weeks	1,022	959	16.2	15.6	451	391	18.3	16.9
27 weeks and over	1,289	1,120	20.4	18.2	655	520	26.6	22.5
27 to 51 weeks	706	548	11.2	8.9	374	256	15.2	11.1
52 weeks and over	583	572	9.2	9.3	281	264	11.4	11.4
Average (mean) duration	16.6	16.4	--	--	19.9	19.2	--	--

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		May 1976	May 1977	May 1976	May 1977
	May 1977						May 1976	May 1977	May 1976	May 1977
Total, 16 years and over	6,151	2,437	1,635	959	1,120	16.4	38.9	39.6	36.6	33.8
16 to 21 years	2,086	1,060	524	279	223	11.6	49.4	50.8	24.9	24.1
16 to 19 years	1,397	728	369	174	126	10.2	51.7	52.1	21.2	21.5
20 to 24 years	1,463	642	362	237	222	14.5	40.4	43.9	35.5	31.4
25 to 34 years	1,397	458	403	253	282	17.5	36.9	32.8	38.5	38.3
35 to 44 years	728	270	218	97	143	17.5	32.7	37.1	40.1	33.0
45 to 54 years	616	180	160	112	165	23.8	28.2	29.1	48.8	44.8
55 to 64 years	408	109	92	72	135	25.4	22.7	26.8	58.7	50.6
65 years and over	141	50	30	14	48	23.4	42.9	35.4	45.3	43.4
Males, 16 years and over	3,297	1,175	865	573	684	18.4	35.1	35.6	40.3	38.1
16 to 21 years	1,094	519	267	171	136	13.2	47.3	47.5	26.3	28.1
16 to 19 years	722	356	183	110	73	11.3	48.5	49.2	22.0	25.4
20 to 24 years	798	320	201	140	138	16.2	38.4	40.1	37.2	34.8
25 to 34 years	770	228	225	150	168	19.4	32.1	29.6	43.2	41.3
35 to 44 years	370	122	111	48	88	20.1	28.5	32.9	45.2	37.0
45 to 54 years	309	64	73	72	99	27.8	19.6	20.9	58.2	55.5
55 to 64 years	231	53	50	48	81	27.4	19.4	22.8	64.5	55.6
65 years and over	97	33	22	5	37	24.7	45.0	34.2	45.2	42.8
Females, 16 years and over	2,854	1,262	771	385	436	14.1	43.6	44.2	32.0	28.8
16 to 21 years	993	540	257	108	87	9.9	51.9	54.4	23.3	19.6
16 to 19 years	675	373	186	64	52	9.1	55.7	55.2	20.2	17.2
20 to 24 years	665	322	162	97	84	12.5	43.0	48.4	33.4	27.3
25 to 34 years	627	230	179	103	114	15.2	42.8	36.7	32.6	34.7
35 to 44 years	359	149	107	49	55	14.7	36.9	41.5	35.0	28.8
45 to 54 years	308	115	88	39	66	19.9	38.3	37.4	37.8	34.2
55 to 64 years	176	56	42	24	54	22.7	28.2	32.0	49.4	44.0
65 years and over	44	17	8	9	11	20.5	(1)	(1)	(1)	(1)
White	4,841	1,938	1,287	748	868	16.1	39.0	40.0	36.8	33.4
Males	2,628	935	698	450	545	18.3	36.3	35.6	39.9	37.9
Females	2,213	1,003	589	298	323	13.5	42.4	45.3	32.8	28.1
Black and other	1,310	499	348	211	251	17.5	38.3	38.1	35.9	35.3
Males	669	240	167	123	139	18.9	29.4	35.9	42.3	39.2
Females	641	259	182	88	113	16.0	48.1	40.4	29.0	31.2
Males:										
Married, spouse present	1,360	430	357	244	329	20.4	29.6	31.6	47.1	42.1
Widowed, divorced, or separated	326	100	81	65	80	21.1	24.8	30.7	53.1	44.3
Single (never married)	1,611	645	426	265	276	16.2	42.0	40.0	31.7	33.5
Females:										
Married, spouse present	1,230	562	292	169	207	14.6	41.6	45.7	34.9	30.6
Widowed, divorced, or separated	525	172	173	72	108	17.8	39.5	32.7	35.2	34.4
Single (never married)	1,099	528	305	144	120	11.7	48.3	48.1	26.8	24.1

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		May 1976	May 1977	May 1976	May 1977
	May 1977									
OCCUPATION										
White-collar workers	1,820	673	518	306	323	16.3	37.5	37.0	36.5	34.6
Professional and managerial	633	228	167	102	136	17.4	36.2	36.0	42.0	37.4
Sales workers	309	112	92	61	44	15.5	38.7	36.2	31.6	34.0
Clerical workers	879	334	258	143	144	15.8	38.0	38.0	34.0	32.7
Blue-collar workers	2,399	885	592	408	514	18.5	33.9	36.9	41.7	38.4
Craft and kindred workers	657	228	165	107	158	19.4	27.6	34.7	46.9	40.2
Operatives, except transport	956	380	246	142	187	17.1	35.9	39.8	39.6	34.5
Transport equipment operatives	224	71	52	43	58	21.8	36.2	31.6	40.0	45.1
Nonfarm laborers	562	206	129	116	112	18.6	36.9	36.6	40.1	40.5
Service workers	1,033	446	288	148	152	14.1	44.3	43.2	34.6	29.0
INDUSTRY¹										
Agriculture	120	58	31	14	18	11.6	45.8	48.2	37.4	26.4
Construction	544	168	143	94	140	20.7	32.6	30.8	42.4	43.0
Manufacturing	1,315	465	352	242	256	17.7	33.8	35.4	44.4	37.9
Durable goods	724	238	191	138	156	18.7	31.2	32.9	47.5	40.7
Non-durable goods	592	227	161	104	100	16.5	37.6	38.3	39.9	34.5
Transportation and public utilities	219	80	56	28	54	19.2	36.3	36.5	41.8	37.8
Wholesale and retail trade	1,362	550	378	218	215	14.9	37.7	40.4	34.9	31.8
Finance and service industries	1,462	586	373	231	272	16.3	42.2	40.1	33.6	34.5
Public administration	197	78	58	29	32	15.3	32.4	39.7	37.4	30.8
No previous work experience	804	384	215	90	115	14.1	51.4	47.8	21.8	25.5

¹ Includes wage and salary workers only.

A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
All industries	87,278	90,042	52,301	53,525	34,977	36,517
16 to 19 years	7,099	7,256	3,803	4,038	3,295	3,218
16 to 17 years	2,762	2,874	1,512	1,666	1,250	1,208
18 to 19 years	4,336	4,382	2,291	2,372	2,045	2,010
20 to 24 years	12,209	12,587	6,724	6,855	5,484	5,732
25 to 54 years	54,543	56,398	33,421	34,090	21,122	22,308
25 to 34 years	21,894	23,145	13,514	13,999	8,380	9,146
35 to 44 years	16,343	16,984	9,962	10,213	6,381	6,771
45 to 54 years	16,306	16,269	9,945	9,878	6,361	6,391
55 to 64 years	10,696	11,028	6,648	6,799	4,048	4,229
55 to 59 years	6,577	6,837	4,055	4,184	2,521	2,652
60 to 64 years	4,119	4,191	2,593	2,614	1,526	1,576
65 years and over	2,731	2,772	1,704	1,742	1,027	1,030
Nonagricultural industries	83,863	86,564	49,469	50,746	34,394	35,818
16 to 19 years	6,672	6,842	3,439	3,683	3,234	3,160
16 to 17 years	2,536	2,628	1,324	1,458	1,212	1,170
18 to 19 years	4,136	4,215	2,114	2,225	2,022	1,990
20 to 24 years	11,805	12,194	6,385	6,533	5,420	5,660
25 to 54 years	52,841	54,649	32,073	32,780	20,769	21,869
25 to 34 years	21,329	22,550	13,064	13,549	8,266	9,001
35 to 44 years	15,827	16,415	9,545	9,789	6,282	6,626
45 to 54 years	15,685	15,684	9,464	9,442	6,221	6,242
55 to 64 years	10,157	10,468	6,190	6,342	3,966	4,126
55 to 59 years	6,286	6,517	3,817	3,929	2,469	2,588
60 to 64 years	3,871	3,950	2,373	2,413	1,498	1,538
65 years and over	2,387	2,411	1,382	1,409	1,005	1,003
Agriculture	3,415	3,478	2,832	2,779	583	699
16 to 19 years	426	414	365	356	62	58
16 to 17 years	226	246	187	208	38	38
18 to 19 years	200	167	177	147	23	20
20 to 24 years	404	393	340	322	64	71
25 to 54 years	1,702	1,751	1,348	1,311	353	439
25 to 34 years	565	595	451	451	114	144
35 to 44 years	516	570	416	424	99	146
45 to 54 years	621	586	481	436	140	149
55 to 64 years	539	560	458	457	82	103
55 to 59 years	291	319	238	255	53	64
60 to 64 years	248	240	220	202	29	39
65 years and over	344	361	322	334	22	27

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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	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
	TOTAL	87,278	90,042	48,498	49,487	31,682	33,299	3,803	4,038	3,295	3,218
White-collar workers	43,478	44,485	20,808	20,953	20,416	21,356	627	584	1,627	1,591
Professional and technical	13,235	13,483	7,577	7,626	5,518	5,701	67	74	73	82
Health workers	2,297	2,404	809	862	1,468	1,528	2	1	18	14
Teachers, except college	3,323	3,233	992	976	2,306	2,227	3	5	23	24
Other professional and technical	7,615	7,846	5,776	5,788	1,744	1,946	62	68	32	44
Managers and administrators, except farm	9,237	9,428	7,237	7,248	1,915	2,114	63	43	23	23
Salaried workers	7,366	7,574	5,770	5,831	1,522	1,680	53	41	21	22
Self-employed workers in retail trade	900	944	641	635	250	307	8	--	--	2
Self-employed workers, except retail trade	972	910	826	782	143	126	1	2	2	--
Sales workers	5,506	5,661	2,933	3,029	1,922	2,070	267	220	384	342
Retail trade	3,032	3,028	934	961	1,540	1,584	206	166	352	316
Other industries	2,474	2,633	1,999	2,068	382	486	61	53	32	26
Clerical workers	15,500	15,913	3,061	3,050	11,061	11,472	231	247	1,148	1,144
Stenographers, typists, and secretaries	4,511	4,413	65	71	4,089	4,027	6	6	352	309
Other clerical workers	10,989	11,500	2,996	2,979	6,972	7,445	225	241	796	835
Blue-collar workers	28,931	30,284	21,877	22,636	4,722	5,025	1,964	2,258	367	366
Craft and kindred workers	11,234	11,870	10,342	10,852	534	583	318	403	39	32
Carpenters	957	1,143	912	1,064	5	12	36	67	3	--
Construction craft, except carpenters	2,305	2,454	2,198	2,325	21	31	84	94	3	4
Mechanics and repairers	2,974	3,085	2,813	2,910	27	31	131	145	4	--
Metal craft	1,148	1,270	1,085	1,220	38	36	22	15	3	--
Blue-collar worker supervisors, not elsewhere classified	1,477	1,536	1,342	1,387	129	134	6	15	--	--
All other	2,373	2,382	1,992	1,946	313	340	40	68	27	28
Operatives, except transport	10,060	10,393	5,581	5,636	3,661	3,877	575	650	242	230
Durable goods manufacturing	4,528	4,656	2,908	2,927	1,398	1,481	153	171	69	78
Nondurable goods manufacturing	3,224	3,388	1,292	1,297	1,712	1,883	93	101	127	107
Other industries	2,308	2,349	1,381	1,412	551	513	329	378	46	45
Transport equipment operatives	3,278	3,534	2,909	3,082	193	238	165	190	11	24
Drivers, motor vehicles	2,740	3,029	2,413	2,621	180	226	139	163	9	20
All other	538	505	496	461	14	13	26	27	2	3
Nonfarm laborers	4,359	4,487	3,044	3,066	334	326	906	1,015	75	80
Construction	772	764	652	613	9	9	109	135	3	7
Manufacturing	1,013	1,067	790	813	129	125	84	119	10	10
Other industries	2,574	2,656	1,603	1,640	195	192	713	761	62	63
Service workers	11,955	12,294	3,661	3,788	6,127	6,390	917	902	1,251	1,214
Private household workers	1,072	1,058	22	23	816	836	11	6	224	193
Service workers, except private household	10,883	11,236	3,639	3,765	5,311	5,554	907	896	1,027	1,021
Food service workers	3,925	4,165	670	728	2,027	2,105	536	572	691	760
Protective service workers	1,317	1,337	1,205	1,209	82	98	23	27	8	3
All other	5,641	5,734	1,764	1,828	3,202	3,351	348	297	328	258
Farm workers	2,914	2,981	2,152	2,111	417	529	295	294	50	47
Farmers and farm managers	1,550	1,537	1,466	1,430	69	94	14	11	2	2
Farm laborers and supervisors	1,363	1,444	686	681	348	434	281	283	48	45
Paid workers	963	998	632	633	108	148	195	191	27	25
Unpaid family workers	400	446	54	48	240	286	86	92	21	20

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
TOTAL						
Total employed (thousands)	87,278	90,042	52,301	53,525	34,977	36,517
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	49.8	49.4	41.0	40.2	63.0	62.8
Professional and technical	15.2	15.0	14.6	14.4	16.0	15.8
Managers and administrators, except farm	10.6	10.5	14.0	13.6	5.5	5.9
Sales workers	6.3	6.3	6.1	6.1	6.6	6.6
Clerical workers	17.8	17.7	6.3	6.2	34.9	34.5
Blue-collar workers	33.1	33.6	45.6	46.5	14.6	14.8
Craft and kindred workers	12.9	13.2	20.4	21.0	1.6	1.7
Operatives, except transport	11.5	11.5	11.8	11.7	11.2	11.2
Transport equipment operatives	3.8	3.9	5.9	6.1	.6	.7
Nonfarm laborers	5.0	5.0	7.6	7.6	1.2	1.1
Service workers	13.7	13.7	8.8	8.8	21.1	20.8
Private household workers	1.2	1.2	.1	.1	3.0	2.8
Other service workers	12.5	12.5	8.7	8.7	18.1	18.0
Farm workers	3.3	3.3	4.7	4.5	1.3	1.6
Farmers and farm managers	1.8	1.7	2.8	2.7	.2	.3
Farm laborers and supervisors	1.6	1.6	1.8	1.8	1.1	1.3
White						
Total employed (thousands)	77,836	80,373	47,155	48,289	30,682	32,084
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.8	51.2	42.8	41.8	65.5	65.2
Professional and technical	15.6	15.4	15.3	15.0	16.2	16.1
Managers and administrators, except farm	11.4	11.1	14.9	14.4	5.9	6.2
Sales workers	6.8	6.7	6.5	6.4	7.2	7.2
Clerical workers	18.0	17.9	6.1	6.0	36.2	35.7
Blue-collar workers	32.5	33.1	44.5	45.6	14.1	14.2
Craft and kindred workers	13.3	13.7	20.9	21.7	1.7	1.7
Operatives, except transport	11.0	11.0	11.3	11.3	10.7	10.5
Transport equipment operatives	3.6	3.7	5.5	5.7	.6	.7
Nonfarm laborers	4.6	4.6	6.9	6.9	1.1	1.2
Service workers	12.3	12.3	7.9	8.0	19.0	18.9
Private household workers	.9	.8	.1	(1)	2.1	2.1
Other service workers	11.4	11.5	7.8	7.9	16.9	16.9
Farm workers	3.4	3.4	4.8	4.6	1.4	1.7
Farmers and farm managers	1.9	1.9	3.0	2.9	.2	.3
Farm laborers and supervisors	1.5	1.6	1.8	1.7	1.1	1.4
Black and other						
Total employed (thousands)	9,442	9,669	5,146	5,237	4,296	4,433
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	33.7	34.8	24.2	25.5	45.1	45.7
Professional and technical	11.4	11.3	8.7	9.0	14.7	14.1
Managers and administrators, except farm	4.1	4.9	5.2	6.5	2.7	3.1
Sales workers	2.4	2.6	2.5	2.7	2.2	2.4
Clerical workers	15.9	15.9	7.9	7.2	25.4	26.2
Blue-collar workers	38.1	38.5	55.2	54.9	17.7	19.0
Craft and kindred workers	9.2	8.7	15.8	14.7	1.3	1.5
Operatives, except transport	15.6	16.0	16.4	15.7	14.6	16.3
Transport equipment operatives	5.2	5.7	9.3	10.1	.3	.5
Nonfarm laborers	8.1	8.1	13.7	14.4	1.4	.7
Service workers	25.6	24.5	16.9	16.2	36.0	34.4
Private household workers	4.2	3.9	.2	.2	9.1	8.3
Other service workers	21.4	20.6	16.7	16.0	26.9	26.1
Farm workers	2.6	2.2	3.7	3.3	1.2	.9
Farmers and farm managers	.6	.4	1.0	.6	.1	.1
Farm laborers and supervisors	1.9	1.8	2.6	2.7	1.1	.9

¹ Less than 0.05 percent.

HOUSEHOLD DATA

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

[In thousands]

Age and sex	May 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	79,758	1,317	15,197	63,244	6,219	587	1,325	1,688	465
16 to 19 years	6,734	321	453	5,960	69	39	261	39	114
16 to 17 years	2,574	233	136	2,205	36	17	149	23	74
18 to 19 years	4,160	87	317	3,755	33	21	112	16	40
20 to 24 years	11,873	82	1,555	10,236	296	25	272	85	37
25 to 34 years	21,038	151	4,468	16,418	1,400	112	247	273	75
35 to 44 years	14,917	136	3,305	11,476	1,366	131	213	281	75
45 to 54 years	14,093	191	3,085	10,816	1,458	133	151	352	82
55 to 64 years	9,246	252	2,019	6,974	1,118	104	124	377	59
55 to 59 years	5,807	131	1,335	4,341	655	55	75	206	38
60 to 64 years	3,438	121	684	2,633	463	49	50	171	20
65 years and over	1,857	183	311	1,363	512	42	57	281	23
Males, 16 years and over	46,193	216	7,748	38,229	4,492	61	1,067	1,566	146
16 to 19 years	3,607	118	209	3,280	51	25	227	35	94
16 to 17 years	1,414	85	72	1,256	31	13	127	20	62
18 to 19 years	2,193	33	136	2,023	21	12	100	15	33
20 to 24 years	6,320	18	659	5,643	202	11	223	81	18
25 to 34 years	12,594	8	2,262	10,324	950	5	190	253	8
35 to 44 years	8,781	16	1,711	7,054	1,007	1	165	255	4
45 to 54 years	8,355	13	1,595	6,747	1,081	6	109	325	3
55 to 64 years	5,526	11	1,120	4,396	812	4	100	347	10
55 to 59 years	3,466	7	737	2,722	464	--	62	189	4
60 to 64 years	2,060	3	383	1,674	348	5	39	157	6
65 years and over	1,011	33	193	785	389	9	53	271	9
Females, 16 years and over	33,564	1,100	7,448	25,016	1,727	526	258	122	319
16 to 19 years	3,128	202	245	2,681	18	14	34	4	20
16 to 17 years	1,160	148	64	949	6	4	23	3	12
18 to 19 years	1,968	54	181	1,732	13	10	12	1	7
20 to 24 years	5,553	64	896	4,593	94	14	49	4	19
25 to 34 years	8,444	143	2,206	6,094	450	107	57	20	68
35 to 44 years	6,137	120	1,594	4,423	359	130	48	27	71
45 to 54 years	5,738	178	1,491	4,069	376	127	42	27	80
55 to 64 years	3,720	242	899	2,579	306	100	24	30	49
55 to 59 years	2,341	124	598	1,619	191	56	13	17	34
60 to 64 years	1,378	118	301	959	115	44	11	13	15
65 years and over	846	151	118	577	123	33	4	10	14

A-24. Employed persons by industry and occupation

[In thousands]

Industry	May 1977											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,478	71	40	6	57	49	12	24	231	--	8	2,981
Mining	794	113	66	7	74	192	285	36	16	--	5	--
Construction	5,496	157	633	26	368	3,100	228	195	764	--	25	--
Manufacturing	20,581	1,938	1,331	434	2,424	4,132	8,045	840	1,067	--	368	--
Durable goods	12,214	1,253	765	175	1,419	2,718	4,657	401	628	--	198	--
Nondurable goods	8,367	685	566	259	1,005	1,414	3,388	439	440	--	171	--
Transportation and public utilities	5,700	425	543	28	1,312	1,249	146	1,410	427	--	160	--
Wholesale and retail trade	18,540	350	3,546	3,922	3,125	1,436	977	773	1,133	--	3,279	--
Wholesale trade	3,671	123	775	895	713	300	178	404	255	--	29	--
Retail trade	14,869	226	2,771	3,028	2,412	1,136	800	368	878	--	3,250	--
Finance, insurance, and real estate	4,910	242	923	1,089	2,238	108	4	9	69	--	227	--
Services	25,601	9,291	1,736	144	4,540	1,303	647	203	583	1,058	6,097	--
Private households	1,344	17	1	--	13	--	--	8	182	1,058	67	--
Other service industries	24,257	9,274	1,735	144	4,527	1,303	647	195	401	--	6,020	--
Public administration	4,941	897	611	4	1,775	301	51	43	196	--	1,064	--

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

[In thousands]

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977	May 1976	May 1977
Total	3,854	3,688	3,763	3,607	1,739	1,651	1,642	1,559
Vacation	1,477	1,361	1,462	1,346	1,081	994	270	242
Illness	1,358	1,421	1,331	1,390	522	524	713	736
Bad weather	79	52	50	37	--	--	--	--
Industrial dispute	130	102	130	102	--	--	--	--
All other reasons	810	752	790	733	136	133	659	580
Males	2,247	2,139	2,166	2,073	1,153	1,089	771	758
Vacation	943	845	931	831	749	658	110	108
Illness	757	835	733	812	320	349	359	385
All other reasons ³	547	459	502	430	84	82	302	265
Females	1,608	1,549	1,597	1,534	587	562	872	800
Vacation	535	515	531	515	332	336	159	134
Illness	601	586	598	578	202	175	355	350
All other reasons ³	472	448	468	441	52	50	358	315

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	May 1977					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	86,354	82,957	3,397	100.0	100.0	100.0
1-34 hours	20,420	19,437	982	23.6	23.4	28.9
1-4 hours	774	744	30	.9	.9	.9
5-14 hours	4,115	3,871	245	4.8	4.7	7.2
15-29 hours	10,114	9,583	530	11.7	11.6	15.6
30-34 hours	5,417	5,239	177	6.3	6.3	5.2
35 hours and over	65,936	63,520	2,415	76.4	76.6	71.1
35-39 hours	6,282	6,144	138	7.3	7.4	4.1
40 hours	35,616	35,154	462	41.2	42.4	13.6
41 hours and over	24,038	22,222	1,815	27.8	26.8	53.4
41 to 48 hours	9,443	9,266	176	10.9	11.2	5.2
49 to 59 hours	7,859	7,503	356	9.1	9.0	10.5
60 hours and over	6,736	5,453	1,283	7.8	6.6	37.8
Average hours, total at work	39.1	38.7	48.3	--	--	--
Average hours, workers on full-time schedules	43.7	43.2	58.2	--	--	--

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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	May 1977					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	20,420	5,492	14,928	19,437	5,275	14,162
Economic reasons	3,236	1,319	1,917	3,070	1,240	1,830
Slack work	1,534	941	593	1,423	876	547
Material shortages or repairs to plant and equipment	66	66	--	62	62	--
New job started during week	220	220	--	211	211	--
Job terminated during week	92	92	--	91	91	--
Could find only part-time work	1,325	--	1,325	1,284	--	1,284
Other reasons	17,183	4,173	13,010	16,367	4,035	12,332
Does not want, or unavailable for, full-time work	11,011	--	11,011	10,451	--	10,451
Vacation	679	679	--	677	677	--
Illness	1,734	1,513	221	1,682	1,495	187
Bad weather	328	328	--	274	274	--
Industrial dispute	56	56	--	55	55	--
Legal or religious holiday	21	21	--	21	21	--
Full time for this job	1,321	--	1,321	1,284	--	1,284
All other reasons	2,033	1,576	457	1,924	1,514	410
Average hours:						
Economic reasons	21.7	24.8	19.5	21.8	25.1	19.6
Other reasons	20.5	26.5	18.6	20.6	26.6	18.6
Worked 30 to 34 hours:						
Economic reasons	1,001	622	389	980	607	373
Other reasons	4,406	2,257	2,149	4,259	2,202	2,057

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

(Numbers in thousands)

Industry	May 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	82,957	3,070	12,332	67,555	45,333	9,266	12,956	38.7	43.2
Wage and salary workers	76,505	2,697	11,125	62,683	43,425	8,639	10,619	38.4	42.7
Construction	4,376	267	224	3,885	2,790	481	614	39.6	42.2
Manufacturing	19,284	493	696	18,095	12,394	3,029	2,672	41.1	42.4
Durable goods	11,413	143	308	10,962	7,475	1,824	1,663	41.7	42.5
Nondurable goods	7,872	350	387	7,135	4,922	1,204	1,009	40.3	42.2
Transportation and public utilities	5,087	121	336	4,630	3,273	574	783	40.9	43.0
Wholesale and retail trade	15,855	754	4,182	10,919	6,557	1,904	2,458	36.4	43.8
Finance, insurance, and real estate	4,327	89	412	3,826	2,877	362	587	39.3	41.8
Service industries	22,079	910	5,005	16,164	11,687	1,764	2,713	35.9	42.3
Private households	1,273	185	701	387	270	33	84	22.2	42.9
All other industries	20,806	725	4,304	15,777	11,417	1,731	2,629	36.7	42.3
Public administration	4,767	53	255	4,459	3,438	426	595	40.7	42.2
Self-employed workers	5,864	357	1,001	4,506	1,734	580	2,192	42.4	49.9
Unpaid family workers	587	15	205	367	175	47	145	38.0	48.0

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	May 1977							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 hours or more			
TOTAL									
Both sexes, 16 years and over	82,957	3,070	12,332	67,555	45,333	22,222	38.7	43.2	
16 to 21 years	11,208	769	4,480	5,959	4,503	1,456	30.0	41.0	
16 to 19 years	6,636	473	3,632	2,531	1,924	607	26.0	40.6	
16 to 17 years	2,547	115	2,122	310	254	56	18.3	38.5	
18 to 19 years	4,088	358	1,510	2,220	1,670	550	30.7	40.9	
20 years and over	76,321	2,597	8,700	65,024	43,408	21,616	39.8	43.3	
20 to 24 years	11,769	679	1,670	9,420	6,835	2,585	37.4	41.7	
25 years and over	64,552	1,918	7,030	55,604	36,573	19,031	40.2	43.6	
25 to 44 years	37,493	1,136	3,504	32,853	21,194	11,659	40.8	43.7	
45 to 64 years	24,807	706	2,445	21,656	14,645	7,011	40.3	43.2	
65 years and over	2,252	75	1,081	1,096	735	361	30.0	44.1	
Males, 16 years and over									
16 to 21 years	48,673	1,443	3,898	43,332	25,781	17,551	41.9	44.7	
16 to 19 years	5,983	430	2,231	3,322	2,265	1,057	31.4	42.2	
16 to 17 years	3,596	276	1,863	1,457	1,020	437	27.1	41.7	
18 to 19 years	1,419	84	1,146	189	153	36	19.4	39.5	
20 years and over	2,176	192	717	1,267	866	401	32.2	42.0	
20 to 24 years	45,077	1,167	2,035	41,875	24,761	17,114	43.0	44.8	
25 years and over	6,318	334	711	5,273	3,369	1,904	39.4	43.1	
25 to 44 years	38,759	833	1,324	36,602	21,392	15,210	43.6	45.0	
45 to 64 years	22,487	484	399	21,604	12,198	9,406	44.4	45.3	
65 years and over	14,963	304	371	14,288	8,738	5,550	43.5	44.5	
	1,309	45	555	709	455	254	31.9	44.5	
Females, 16 years and over									
16 to 21 years	34,284	1,626	8,433	24,225	19,553	4,672	34.3	40.5	
16 to 19 years	5,225	341	2,249	2,635	2,237	398	28.5	39.5	
16 to 17 years	3,040	197	1,768	1,075	905	170	24.6	39.1	
18 to 19 years	1,128	30	976	122	101	21	16.9	36.9	
20 years and over	1,912	166	792	954	805	149	29.1	39.4	
20 to 24 years	31,244	1,430	6,665	23,149	18,648	4,501	35.2	40.5	
25 years and over	5,451	346	959	4,146	3,465	681	35.2	40.0	
25 to 44 years	25,793	1,084	5,706	19,003	15,183	3,820	35.2	40.6	
45 to 64 years	15,005	652	3,106	11,247	8,993	2,254	35.5	40.6	
65 years and over	9,845	403	2,074	7,368	5,907	1,461	35.7	40.6	
	942	29	526	387	280	107	27.4	43.3	
RACE									
White	73,947	2,523	11,323	60,101	39,322	20,779	38.9	43.4	
Males	43,852	1,228	3,550	39,074	22,637	16,437	42.1	44.9	
Females	30,095	1,296	7,774	21,025	16,684	4,341	34.2	40.6	
Black and other	9,010	546	1,008	7,456	6,013	1,443	37.3	41.0	
Males	4,821	216	349	4,256	3,142	1,114	39.5	42.3	
Females	4,189	331	660	3,198	2,868	330	34.8	39.4	
MARITAL STATUS									
Males:									
Married, spouse present	35,078	671	1,079	33,328	19,244	14,084	43.8	45.0	
Widowed, divorced, or separated	3,346	131	176	3,039	1,844	1,195	42.4	44.7	
Single (never married)	10,249	641	2,644	6,964	4,692	2,272	35.0	43.0	
Females:									
Married, spouse present	19,402	840	4,845	13,717	11,172	2,546	34.4	40.3	
Widowed, divorced, or separated	6,652	347	1,077	5,228	4,048	1,180	36.5	40.9	
Single (never married)	8,229	439	2,511	5,279	4,331	948	32.2	40.4	

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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	May 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	42,861	925	6,185	35,751	23,522	4,387	7,842	39.5	43.6
Professional and technical	13,016	253	1,561	11,202	7,222	1,442	2,538	40.2	43.7
Managers and administrators, except farm	9,107	53	422	8,632	3,969	1,263	3,400	46.3	47.8
Sales workers	5,424	181	1,363	3,881	2,223	544	1,114	37.2	44.6
Clerical workers	15,313	438	2,838	12,037	10,108	1,139	790	35.8	40.1
Blue-collar workers	28,813	1,372	2,241	25,200	16,876	4,083	4,241	40.0	42.9
Craft and kindred workers	11,334	406	451	10,477	6,868	1,677	1,932	41.4	43.1
Operatives, except transport	9,865	467	614	8,784	6,278	1,443	1,063	39.7	41.9
Transport equipment operatives	3,299	128	316	2,855	1,532	470	853	42.4	46.0
Nonfarm laborers	4,315	371	860	3,084	2,198	493	393	35.1	42.1
Service workers	11,755	800	4,023	6,932	5,115	919	998	32.5	42.3
Private household	1,020	148	541	331	228	35	68	23.1	42.0
Other service workers	10,735	652	3,482	6,601	4,888	783	930	33.4	42.3
Males									
White-collar workers	20,818	260	1,277	19,281	10,217	2,726	6,338	44.1	46.1
Professional and technical	7,436	94	454	6,888	3,986	908	1,994	43.3	45.3
Managers and administrators, except farm	7,057	54	172	6,831	2,818	993	3,020	47.9	48.9
Sales workers	3,152	49	343	2,760	1,392	407	961	42.5	45.8
Clerical workers	3,173	64	307	2,802	2,021	418	363	39.3	41.9
Blue-collar workers	23,713	1,003	1,645	21,065	13,548	3,518	3,999	40.8	43.4
Craft and kindred workers	10,736	375	346	10,015	6,509	1,620	1,886	41.7	43.2
Operatives, except transport	5,995	175	345	5,475	3,569	997	909	41.3	43.2
Transport equipment operatives	3,058	118	188	2,752	1,465	458	829	43.5	46.2
Nonfarm laborers	3,924	336	766	2,822	2,004	443	375	35.3	42.2
Service workers	4,497	206	1,049	3,242	2,145	445	652	36.9	44.3
Private household	29	5	16	9	--	5	5	23.7	60.1
Other service workers	4,468	202	1,033	3,233	2,145	440	648	37.0	44.2
Females									
White-collar workers	22,043	665	4,908	16,470	13,306	1,661	1,503	35.2	40.6
Professional and technical	5,581	159	1,107	4,315	3,238	534	543	36.1	41.3
Managers and administrators, except farm	2,050	1	250	1,799	1,150	269	380	40.8	43.8
Sales workers	2,273	131	1,020	1,122	832	137	153	30.0	41.5
Clerical workers	12,140	374	2,531	9,235	8,086	721	428	34.9	39.6
Blue-collar workers	5,099	370	596	4,133	3,328	564	241	36.5	39.9
Craft and kindred workers	598	31	105	462	359	57	46	36.1	40.4
Operatives, except transport	3,870	292	269	3,309	2,710	446	153	37.3	39.7
Transport equipment operatives	241	10	128	103	68	12	23	28.9	42.3
Nonfarm laborers	391	34	94	263	194	50	19	33.8	40.9
Service workers	7,258	593	2,973	3,692	2,973	373	346	29.8	40.6
Private household	991	143	525	323	228	30	63	23.1	41.5
Other service workers	6,267	450	2,448	3,369	2,743	343	283	30.9	40.5

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

[Numbers in thousands]

Employment status	May 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,310	4,228	4,082	6,996	3,569	3,427	1,314	660	655
Civilian labor force	1,663	960	703	1,546	881	664	118	79	39
Employed	1,406	805	601	1,346	759	587	59	46	14
Agriculture	213	184	29	201	176	26	11	8	3
Nonagricultural industries	1,193	621	572	1,145	583	561	48	37	11
Unemployed	258	156	102	199	122	77	59	33	25
Unemployment rate	15.5	16.3	14.5	12.9	13.9	11.6	50.0	41.8	(1)
Not in labor force	6,646	3,268	3,379	5,450	2,687	2,763	1,196	581	616
Keeping house	45	7	38	40	6	34	5	1	4
Going to school	6,471	3,202	3,269	5,311	2,636	2,675	1,160	566	594
Unable to work	7	3	4	4	3	1	3	--	3
All other reasons	123	55	68	95	42	53	28	13	15

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	May 1977					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,406	805	601	100.0	100.0	100.0
Nonagricultural industries	1,193	621	572	84.9	77.0	95.2
Wage and salary workers	1,102	551	551	78.4	68.4	91.5
Private household workers	532	170	362	37.8	21.1	60.1
Government workers	45	33	12	3.2	4.1	2.0
Other wage and salary workers	525	348	177	37.3	43.2	29.4
Self-employed workers	83	64	20	5.9	7.9	3.3
Unpaid family workers	8	6	2	.6	.7	.3
Agriculture	213	184	29	15.1	23.0	4.8
Wage and salary workers	98	87	12	7.0	10.8	2.0
Self-employed workers	40	40	--	2.8	5.0	--
Unpaid family workers	75	58	17	5.3	7.2	2.8
OCCUPATION						
Total	1,406	805	601	100.0	100.0	100.0
White-collar workers	310	218	91	22.1	27.1	15.3
Professional and technical	22	12	10	1.6	1.5	1.7
Managers and administrators, except farm	--	--	--	--	--	--
Sales workers	236	186	50	16.8	23.1	8.3
Clerical workers	53	20	32	3.8	2.5	5.3
Blue-collar workers	311	281	29	22.0	35.0	5.0
Craft and kindred workers	9	8	1	.6	1.0	.2
Operatives, except transport	33	29	4	2.3	3.6	.7
Transport equipment operatives	1	2	--	.1	.2	--
Nonfarm laborers	267	243	25	19.0	30.2	4.2
Service workers	614	161	453	43.6	20.0	75.2
Private household workers	387	37	350	27.5	4.6	58.1
Other service workers	227	124	103	16.1	15.4	17.1
Farm workers	172	144	27	12.2	17.9	4.5
Farmers and farm managers	9	9	--	.6	1.1	--
Farm laborers and supervisors	163	135	27	11.6	16.8	4.5

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
TOTAL													
Total noninstitutional population ¹	155,711	155,925	156,142	156,367	156,595	156,788	157,006	157,176	157,381	157,584	157,782	157,986	158,228
Armed Forces ¹	2,142	2,137	2,140	2,147	2,145	2,147	2,149	2,146	2,133	2,137	2,138	2,132	2,128
Civilian noninstitutional population ¹	153,570	153,788	154,002	154,220	154,451	154,642	154,857	155,031	155,248	155,447	155,643	155,854	156,101
Civilian labor force	94,551	94,704	95,189	95,351	95,242	95,302	95,871	95,960	95,516	96,145	96,539	96,760	97,158
Percent of civilian population	61.6	61.6	61.8	61.8	61.7	61.6	61.9	61.9	61.5	61.9	62.0	62.1	62.2
Employed	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962	89,475	90,023	90,408
Percent of total population	56.3	56.1	56.2	56.2	56.1	56.0	56.2	56.3	56.3	56.5	56.7	57.0	57.1
Agriculture	3,332	3,313	3,333	3,372	3,278	3,310	3,248	3,257	3,090	3,090	3,116	3,260	3,386
Nonagricultural industries	84,308	84,220	84,450	84,462	84,516	84,428	84,972	85,184	85,468	85,872	86,359	86,763	87,022
Unemployed	6,911	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183	7,064	6,737	6,750
Unemployment rate	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0	6.9
Not in labor force	59,019	59,084	58,813	58,869	59,209	59,340	58,986	59,071	59,732	59,302	59,104	59,094	58,943
Males, 20 years and over													
Total noninstitutional population ¹	66,087	66,182	66,279	66,384	66,491	66,598	66,699	66,835	66,930	67,025	67,114	67,209	67,324
Civilian noninstitutional population ¹	64,398	64,492	64,586	64,688	64,796	64,902	65,001	65,140	65,250	65,342	65,433	65,522	65,641
Civilian labor force	51,435	51,492	51,675	51,698	51,851	51,912	52,066	52,078	51,842	52,092	52,061	52,089	52,282
Percent of civilian population	79.9	79.8	80.0	79.9	80.0	80.0	80.1	79.9	79.5	79.7	79.6	79.5	79.6
Employed	48,542	48,443	48,544	48,638	48,701	48,684	48,773	48,859	48,961	49,091	49,267	49,465	49,531
Percent of total population	73.5	73.2	73.2	73.3	73.2	73.1	73.1	73.1	73.2	73.2	73.4	73.6	73.6
Agriculture	2,418	2,422	2,429	2,393	2,341	2,334	2,283	2,273	2,209	2,230	2,208	2,280	2,373
Nonagricultural industries	46,124	46,021	46,115	46,245	46,360	46,350	46,490	46,586	46,752	46,861	47,059	47,185	47,158
Unemployed	2,893	3,049	3,131	3,060	3,150	3,228	3,293	3,219	2,881	3,001	2,794	2,624	2,751
Unemployment rate	5.6	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8	5.4	5.0	5.3
Not in labor force	12,963	13,000	12,911	12,990	12,945	12,990	12,935	13,062	13,408	13,250	13,362	13,433	13,359
Females, 20 years and over													
Total noninstitutional population ¹	72,837	72,944	73,053	73,168	73,286	73,378	73,491	73,535	73,642	73,746	73,852	73,958	74,081
Civilian noninstitutional population ¹	72,753	72,857	72,966	73,078	73,196	73,288	73,401	73,445	73,550	73,654	73,757	73,863	73,987
Civilian labor force	33,999	34,278	34,487	34,562	34,540	34,444	34,848	34,938	34,740	34,982	35,295	35,455	35,634
Percent of civilian population	46.7	47.0	47.3	47.3	47.2	47.0	47.5	47.6	47.2	47.5	47.9	48.0	48.2
Employed	31,671	31,801	31,853	31,883	31,906	31,811	32,208	32,340	32,331	32,477	32,750	32,985	33,288
Percent of total population	43.5	43.6	43.6	43.6	43.5	43.4	43.8	44.0	43.9	44.0	44.3	44.6	44.9
Agriculture	485	487	486	532	520	553	558	573	488	485	496	577	597
Nonagricultural industries	31,186	31,314	31,367	31,351	31,386	31,258	31,650	31,767	31,843	31,992	32,254	32,408	32,691
Unemployed	2,328	2,477	2,634	2,679	2,634	2,633	2,640	2,598	2,409	2,505	2,545	2,470	2,346
Unemployment rate	6.8	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2	7.2	7.0	6.6
Not in labor force	38,754	38,579	38,479	38,516	38,656	38,844	38,553	38,507	38,810	38,672	38,462	38,408	38,353
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,788	16,799	16,811	16,815	16,819	16,812	16,816	16,806	16,810	16,813	16,816	16,819	16,823
Civilian noninstitutional population ¹	16,419	16,439	16,450	16,454	16,458	16,452	16,455	16,446	16,448	16,451	16,464	16,468	16,473
Civilian labor force	9,117	9,334	9,027	9,091	8,851	8,946	8,957	8,944	8,934	9,071	9,183	9,216	9,242
Percent of civilian population	55.5	54.3	54.9	55.3	53.8	54.4	54.4	54.4	54.3	55.1	55.8	56.0	56.1
Employed	7,427	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394	7,458	7,573	7,589
Percent of total population	44.2	43.4	43.9	43.5	42.7	43.1	43.0	43.1	43.2	44.0	44.4	45.0	45.1
Agriculture	429	404	418	447	417	423	407	411	393	375	412	403	416
Nonagricultural industries	6,998	6,885	6,968	6,866	6,770	6,820	6,832	6,831	6,873	7,019	7,046	7,170	7,173
Unemployed	1,690	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677	1,725	1,643	1,653
Unemployment rate	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8	17.9
Not in labor force	7,302	7,505	7,423	7,363	7,607	7,506	7,498	7,502	7,514	7,380	7,281	7,252	7,231

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
FULL TIME													
Total, 16 years and over:													
Civilian labor force	80,763	80,684	81,006	81,177	80,977	81,297	81,786	82,048	81,730	81,946	82,074	82,229	82,738
Employed	75,190	74,854	75,128	75,092	74,879	75,135	75,601	75,923	76,223	76,295	76,606	76,886	77,349
Unemployed	5,573	5,830	5,878	6,085	6,098	6,162	6,185	6,125	5,507	5,651	5,468	5,343	5,389
Unemployment rate	6.9	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9	6.7	6.5	6.5
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,801	13,993	14,181	14,351	14,340	14,059	14,046	13,912	13,980	14,265	14,426	14,587	14,435
Employed	12,403	12,707	12,681	12,922	12,963	12,610	12,577	12,546	12,549	12,736	12,820	13,146	13,006
Unemployed	1,398	1,286	1,500	1,429	1,377	1,449	1,469	1,366	1,431	1,529	1,606	1,441	1,429
Unemployment rate	10.1	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7	11.1	9.9	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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
WHITE													
Total, 16 years and over:													
Civilian labor force	83,668	83,796	84,254	84,403	84,313	84,511	84,816	84,854	84,616	85,086	85,482	85,642	85,937
Employed	78,070	78,091	78,295	78,370	78,276	78,384	78,647	78,828	78,923	79,365	79,832	80,249	80,603
Unemployed	5,598	5,705	5,959	6,033	6,037	6,127	6,169	6,026	5,693	5,721	5,650	5,393	5,334
Unemployment rate	6.7	6.8	7.1	7.1	7.2	7.2	7.3	7.1	6.7	6.7	6.6	6.3	6.2
Males, 20 years and over:													
Civilian labor force	46,083	46,143	46,287	46,355	46,489	46,561	46,667	46,624	46,347	46,605	46,584	46,600	46,769
Employed	43,704	43,666	43,726	43,831	43,844	43,926	43,996	44,044	44,035	44,159	44,299	44,434	44,563
Unemployed	2,379	2,477	2,561	2,524	2,645	2,635	2,671	2,580	2,312	2,446	2,285	2,166	2,206
Unemployment rate	5.2	5.4	5.5	5.4	5.7	5.7	5.7	5.5	5.0	5.2	4.9	4.6	4.7
Females, 20 years and over:													
Civilian labor force	29,451	29,639	29,834	29,922	29,876	29,914	30,138	30,211	30,071	30,261	30,588	30,663	30,838
Employed	27,558	27,693	27,750	27,806	27,805	27,775	28,017	28,143	28,170	28,328	28,604	28,781	29,021
Unemployed	1,893	1,946	2,084	2,116	2,071	2,139	2,121	2,068	1,901	1,933	1,984	1,882	1,817
Unemployment rate	6.4	6.6	7.0	7.1	6.9	7.2	7.0	6.8	6.3	6.4	6.5	6.1	5.9
Both sexes, 16 to 19 years:													
Civilian labor force	8,134	8,014	8,133	8,126	7,948	8,036	8,011	8,019	8,198	8,220	8,310	8,379	8,330
Employed	6,808	6,732	6,819	6,733	6,627	6,683	6,634	6,641	6,718	6,878	6,929	7,034	7,019
Unemployed	1,326	1,282	1,314	1,393	1,321	1,353	1,377	1,378	1,480	1,342	1,381	1,345	1,311
Unemployment rate	16.3	16.0	16.2	17.1	16.6	16.8	17.2	17.2	18.1	16.3	16.6	16.1	15.7
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,846	10,844	10,868	10,979	10,906	10,910	11,114	11,109	11,030	11,163	11,104	11,071	11,171
Employed	9,509	9,388	9,464	9,484	9,508	9,444	9,618	9,623	9,648	9,697	9,690	9,711	9,730
Unemployed	1,337	1,456	1,404	1,495	1,398	1,466	1,496	1,486	1,382	1,466	1,414	1,360	1,441
Unemployment rate	12.3	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1	12.7	12.3	12.9
Males, 20 years and over:													
Civilian labor force	5,358	5,376	5,355	5,376	5,371	5,388	5,437	5,457	5,464	5,523	5,506	5,432	5,502
Employed	4,846	4,794	4,789	4,822	4,847	4,802	4,806	4,838	4,907	4,976	4,991	4,972	4,959
Unemployed	512	582	566	554	524	586	631	619	557	547	515	460	543
Unemployment rate	9.6	10.8	10.6	10.3	9.8	10.9	11.6	11.3	10.2	9.9	9.4	8.5	9.9
Females, 20 years and over:													
Civilian labor force	4,555	4,599	4,600	4,632	4,639	4,602	4,728	4,714	4,674	4,758	4,725	4,775	4,811
Employed	4,083	4,073	4,074	4,079	4,108	4,072	4,209	4,173	4,171	4,167	4,176	4,188	4,245
Unemployed	472	526	526	553	531	530	519	541	503	591	549	587	566
Unemployment rate	10.4	11.4	11.4	11.9	11.4	11.5	11.0	11.5	10.8	12.4	11.6	12.3	11.8
Both sexes, 16 to 19 years:													
Civilian labor force	933	869	913	971	896	920	949	938	892	882	873	864	858
Employed	580	521	601	583	553	570	603	612	570	554	523	551	526
Unemployed	353	348	312	388	343	350	346	326	322	328	350	313	332
Unemployment rate	37.8	40.0	34.2	40.0	38.3	38.0	36.5	34.8	36.1	37.2	40.1	36.2	38.7

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1976								1977				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Characteristics													
Total (all civilian workers)	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0	6.9
Males, 20 years and over	5.6	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8	5.4	5.0	5.3
Females, 20 years and over	6.8	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2	7.2	7.0	6.6
Both sexes, 16-19 years	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8	17.9
White	6.7	6.8	7.1	7.1	7.2	7.2	7.3	7.1	6.7	6.7	6.6	6.3	6.2
Black and other	12.3	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1	12.7	12.3	12.9
Household heads	4.9	5.1	5.3	5.2	5.4	5.4	5.3	5.1	4.8	4.9	4.6	4.4	4.5
Married men	4.1	4.3	4.4	4.3	4.5	4.4	4.5	4.3	3.8	4.1	3.7	3.6	3.6
Full-time workers	6.9	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9	6.7	6.5	6.5
Part-time workers	10.1	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7	11.1	9.9	9.9
Unemployed 15 weeks and over ¹	2.2	2.3	2.4	2.5	2.4	2.5	2.6	2.6	2.4	2.3	2.0	1.9	1.9
Labor force time lost ²	8.1	7.9	8.1	8.4	8.4	8.6	8.6	8.4	8.0	7.9	7.8	7.4	7.5
OCCUPATION													
White-collar workers	4.5	4.5	4.7	4.9	4.6	4.6	4.7	4.5	4.5	4.6	4.7	4.4	4.3
Professional and technical	3.1	3.0	3.1	3.1	3.0	3.2	3.4	3.3	3.3	3.3	3.1	3.2	2.9
Managers and administrators, except farm	3.1	3.1	3.4	3.5	3.2	3.0	3.1	3.1	3.0	2.8	3.4	2.9	2.8
Sales workers	4.9	5.3	5.4	5.8	5.6	5.4	5.7	5.0	5.7	5.6	5.5	5.1	5.5
Clerical workers	6.3	6.2	6.6	7.0	6.2	6.2	6.3	6.1	6.0	6.4	6.5	6.0	5.7
Blue-collar workers	9.0	9.3	9.7	9.8	9.8	9.8	9.7	9.6	8.4	8.7	8.3	7.8	7.9
Craft and kindred workers	6.3	7.0	7.2	7.0	6.9	6.8	7.0	7.0	6.1	6.5	6.0	4.9	5.6
Operatives, except transport	10.6	10.7	11.1	11.3	11.5	11.6	11.3	11.0	9.2	9.6	9.2	9.3	8.9
Transport equipment operatives	6.5	7.2	8.2	8.1	8.0	8.3	8.2	8.1	7.2	7.7	6.9	6.0	6.7
Nonfarm laborers	13.6	12.8	13.4	14.5	14.6	14.0	13.5	13.9	12.9	12.8	13.2	12.6	12.5
Service workers	8.2	8.6	8.6	8.5	8.7	9.4	9.3	9.0	8.6	8.4	7.9	8.1	9.0
Farm workers	4.6	4.2	4.3	3.6	4.0	4.2	5.1	6.1	4.8	6.7	5.4	4.8	4.4
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.5	7.8	8.0	8.2	8.1	8.2	8.2	7.9	7.4	7.6	7.4	7.0	7.1
Construction	14.5	16.3	17.0	16.5	15.7	15.1	15.4	14.1	14.9	15.2	14.2	12.0	13.0
Manufacturing	7.4	7.6	7.8	8.1	8.1	8.2	8.2	8.2	6.9	7.1	6.6	6.7	6.2
Durable goods	7.3	7.4	7.5	7.7	7.6	8.0	7.7	8.0	6.5	7.0	6.1	6.0	5.7
Nondurable goods	7.5	7.9	8.4	8.7	8.9	8.5	8.9	8.6	7.4	7.3	7.3	7.7	7.0
Transportation and public utilities	5.0	5.0	5.2	4.8	5.4	5.6	5.7	5.2	4.7	4.6	5.1	4.4	4.3
Wholesale and retail trade	8.2	8.4	8.6	8.9	8.9	8.9	9.0	8.2	8.4	8.7	8.4	7.8	8.3
Finance and service industries	6.3	6.3	6.4	6.6	6.4	6.7	6.8	6.8	6.2	6.2	6.4	6.1	6.6
Government workers	4.6	4.3	4.5	4.4	3.9	4.4	4.3	4.4	4.3	4.5	4.0	4.0	4.1
Agricultural wage and salary workers	12.5	11.0	11.8	10.4	11.2	11.5	13.2	14.0	12.6	13.4	13.2	12.3	11.5

¹ Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

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

³ Includes mining, not shown separately.

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

[Numbers in thousands]

Weeks of unemployment	1976								1977				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Duration													
Less than 5 weeks	2,795	2,730	2,931	2,867	2,852	2,952	2,759	2,765	2,762	2,804	3,005	3,100	2,782
5 to 14 weeks	1,978	2,215	2,093	2,433	2,426	2,367	2,494	2,319	2,083	2,107	2,098	1,857	2,093
15 weeks and over	2,042	2,173	2,247	2,341	2,311	2,360	2,517	2,514	2,283	2,182	1,923	1,816	1,836
15 to 26 weeks	850	902	1,058	1,127	1,118	1,094	1,188	1,130	1,038	947	777	715	800
27 weeks and over	1,192	1,271	1,189	1,214	1,193	1,266	1,329	1,384	1,245	1,235	1,146	1,101	1,036
Average (mean) duration, in weeks	15.1	16.9	15.6	15.4	15.4	15.3	15.5	15.6	15.5	14.7	14.0	14.3	14.9
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	41.0	38.4	40.3	37.5	37.6	38.4	35.5	36.4	38.7	39.5	42.8	45.8	41.5
5 to 14 weeks	29.0	31.1	28.8	31.8	32.0	30.8	32.1	30.5	29.2	29.7	29.9	27.4	31.2
15 weeks and over	30.0	30.5	30.9	30.6	30.5	30.7	32.4	33.1	32.0	30.8	27.4	26.8	27.4
15 to 26 weeks	12.5	12.7	14.6	14.7	14.7	14.2	15.3	14.9	14.6	13.4	11.1	10.6	11.9
27 weeks and over	17.5	17.9	16.4	15.9	15.7	16.5	17.1	18.2	17.5	17.4	16.3	16.3	15.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1976								1977				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	7.3	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0	6.9
16 to 19 years	18.5	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8	17.9
16 to 17 years	21.7	21.2	20.8	22.1	20.6	21.3	21.6	20.7	21.1	19.8	22.2	19.2	20.4
18 to 19 years	16.5	16.2	15.9	18.0	17.5	17.5	17.6	17.7	17.0	17.5	16.6	16.8	16.3
20 to 24 years	11.3	11.5	11.4	11.9	11.7	12.6	12.7	12.5	11.4	12.0	11.4	10.8	10.7
25 years and over	5.1	5.4	5.9	5.6	5.8	5.7	5.6	5.5	5.1	5.2	5.1	4.9	4.8
25 to 54 years	5.3	5.6	6.0	5.9	5.9	6.0	5.9	5.9	5.3	5.3	5.2	5.1	5.1
55 years and over	4.3	4.7	4.9	4.8	4.8	4.6	4.6	4.2	4.1	4.8	4.3	4.1	4.0
Males, 16 years and over	6.8	7.0	7.1	7.0	7.2	7.4	7.5	7.3	6.6	6.9	6.5	6.1	6.3
16 to 19 years	19.2	18.5	18.3	18.7	19.1	19.6	19.7	19.1	17.4	18.6	18.7	17.0	17.0
16 to 17 years	22.6	21.3	20.8	21.5	21.3	22.3	22.2	21.0	19.5	19.3	22.2	17.9	18.7
18 to 19 years	17.0	16.4	16.6	16.8	17.3	17.7	18.1	17.4	16.1	17.9	16.1	16.0	16.0
20 to 24 years	11.3	11.6	12.0	11.8	11.7	12.7	12.6	12.9	11.3	12.1	11.2	10.5	10.6
25 years and over	4.5	4.9	5.1	5.0	5.2	5.1	5.2	5.0	4.6	4.6	4.3	4.1	4.2
25 to 54 years	4.6	5.0	5.2	5.1	5.2	5.3	5.4	5.2	4.7	4.6	4.3	4.3	4.4
55 years and over	4.4	4.7	4.2	4.6	4.6	4.4	4.4	3.9	4.0	4.7	4.4	3.7	3.9
Females, 16 years and over	8.1	8.4	8.8	9.1	8.8	8.8	8.7	8.6	8.3	8.4	8.5	8.2	7.9
16 to 19 years	17.8	18.3	18.0	20.6	18.4	18.3	18.5	18.9	20.1	18.4	18.9	18.8	19.0
16 to 17 years	20.6	21.1	20.8	22.9	19.8	20.1	20.8	20.2	23.0	20.4	22.2	20.8	22.5
18 to 19 years	15.9	15.9	15.2	19.4	17.6	17.3	17.1	18.0	18.1	16.9	17.1	17.7	16.6
20 to 24 years	11.2	11.4	10.6	11.9	11.8	12.4	12.8	11.9	11.4	11.9	11.7	11.2	10.9
25 years and over	6.0	6.3	7.1	6.7	6.7	6.6	6.4	6.4	5.9	6.1	6.1	6.0	5.7
25 to 54 years	6.5	6.7	7.2	7.1	7.1	7.1	6.7	6.9	6.2	6.3	6.6	6.5	6.1
55 years and over	4.2	4.7	5.9	5.2	5.2	4.9	5.1	4.7	4.3	4.9	4.2	4.6	4.3

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

(Numbers in thousands)

Reason for unemployment	1976								1977				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
NUMBER OF UNEMPLOYED													
Job losers	3,506	3,580	3,758	3,790	3,727	3,756	3,802	3,736	3,207	3,396	3,143	2,953	3,038
On layoff	963	1,031	1,142	1,191	1,222	1,107	1,067	1,057	791	1,001	865	754	749
Other job losers	2,543	2,549	2,616	2,599	2,505	2,649	2,735	2,679	2,416	2,395	2,278	2,199	2,289
Job leavers	892	895	957	994	934	936	858	831	932	852	919	846	944
Reentrants	1,775	1,813	1,879	1,941	1,912	1,927	2,061	1,957	1,991	1,963	2,013	2,001	1,993
New entrants	860	831	794	955	926	894	920	942	905	936	1,003	972	893
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	49.9	50.3	50.9	49.3	49.7	50.0	49.8	50.0	45.6	47.5	44.4	43.6	44.2
On layoff	13.7	14.5	15.5	15.5	16.3	14.7	14.0	14.2	11.2	14.0	12.2	11.1	10.9
Other job losers	36.2	35.8	35.4	33.8	33.4	35.3	35.8	35.9	34.3	33.5	32.2	32.5	33.2
Job leavers	12.7	12.6	13.0	12.9	12.5	12.5	11.2	11.1	13.2	11.9	13.0	12.5	13.7
Reentrants	25.2	25.5	25.4	25.3	25.5	25.6	27.0	26.2	28.3	27.5	28.4	29.5	29.0
New entrants	12.2	11.7	10.7	12.4	12.3	11.9	12.0	12.6	12.9	13.1	14.2	14.4	13.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.7	3.8	3.9	4.0	3.9	3.9	4.0	3.9	3.4	3.5	3.3	3.1	3.1
Job leavers .....	.9	.9	1.0	1.0	1.0	1.0	.9	.9	1.0	.9	1.0	.9	1.0
Reentrants	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.1	2.1	2.1
New entrants .....	.9	.9	.8	1.0	1.0	.9	1.0	1.0	.9	1.0	1.0	1.0	.9

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Sex and age	1976								1977				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962	89,475	90,023	90,408
16 to 19 years	7,427	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394	7,458	7,573	7,589
16 to 17 years	2,928	2,863	2,994	2,970	2,916	2,861	2,882	2,914	2,906	3,017	2,972	3,092	3,044
18 to 19 years	4,452	4,391	4,386	4,346	4,319	4,380	4,356	4,332	4,396	4,402	4,461	4,527	4,499
20 to 24 years	12,373	12,343	12,457	12,301	12,321	12,279	12,378	12,459	12,598	12,634	12,706	12,710	12,758
25 years and over	67,855	67,892	67,911	68,140	68,317	68,257	68,533	68,762	68,759	68,980	69,336	69,744	70,082
25 to 54 years	54,376	54,485	54,502	54,682	54,751	54,688	54,873	55,059	55,239	55,511	55,787	56,010	56,233
55 years and over	13,406	13,419	13,410	13,506	13,566	13,599	13,644	13,702	13,564	13,538	13,530	13,698	13,780
Males, 16 years and over	52,490	52,332	52,507	52,596	52,546	52,576	52,643	52,799	52,918	53,046	53,270	53,575	53,722
16 to 19 years	3,948	3,889	3,963	3,958	3,845	3,892	3,870	3,940	3,957	3,955	4,003	4,110	4,191
16 to 17 years	1,573	1,531	1,641	1,652	1,587	1,588	1,577	1,622	1,588	1,617	1,613	1,714	1,734
18 to 19 years	2,335	2,330	2,316	2,308	2,298	2,301	2,289	2,316	2,381	2,358	2,384	2,433	2,481
20 to 24 years	6,792	6,720	6,766	6,726	6,778	6,787	6,832	6,879	6,975	6,951	6,988	6,958	6,929
25 years and over	41,762	41,722	41,743	41,828	41,955	41,922	41,931	42,016	41,993	42,160	42,298	42,500	42,639
25 to 54 years	33,395	33,324	33,337	33,392	33,468	33,505	33,478	33,529	33,594	33,799	33,908	34,029	34,070
55 years and over	8,354	8,391	8,402	8,442	8,464	8,461	8,460	8,500	8,449	8,384	8,395	8,461	8,543
Females, 16 years and over	35,150	35,201	35,276	35,238	35,248	35,162	35,577	35,642	35,640	35,916	36,205	36,448	36,686
16 to 19 years	3,479	3,400	3,423	3,355	3,342	3,351	3,369	3,302	3,309	3,439	3,455	3,463	3,398
16 to 17 years	1,355	1,332	1,353	1,318	1,329	1,273	1,305	1,292	1,318	1,400	1,359	1,378	1,310
18 to 19 years	2,117	2,061	2,070	2,038	2,021	2,079	2,067	2,016	2,015	2,044	2,077	2,094	2,081
20 to 24 years	5,581	5,623	5,691	5,575	5,543	5,492	5,546	5,580	5,623	5,683	5,718	5,752	5,829
25 years and over	26,093	26,170	26,168	26,312	26,362	26,335	26,602	26,746	26,766	26,820	27,038	27,244	27,443
25 to 54 years	20,981	21,161	21,165	21,290	21,283	21,183	21,395	21,530	21,645	21,712	21,879	21,981	22,163
55 years and over	5,052	5,028	5,008	5,064	5,102	5,138	5,184	5,202	5,115	5,154	5,135	5,237	5,237

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

[Numbers in thousands]

Sex and age	1976								1977				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	6,911	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183	7,064	6,737	6,750
16 to 19 years	1,690	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677	1,725	1,643	1,653
16 to 17 years	811	771	786	843	758	776	792	760	777	746	847	736	779
18 to 19 years	879	846	832	956	913	930	930	930	901	931	886	916	873
20 to 24 years	1,572	1,606	1,598	1,657	1,639	1,767	1,802	1,779	1,617	1,722	1,638	1,545	1,533
25 years and over	3,646	3,909	4,229	4,075	4,180	4,106	4,102	4,027	3,681	3,766	3,689	3,580	3,565
25 to 54 years	3,064	3,254	3,495	3,438	3,448	3,470	3,438	3,449	3,090	3,088	3,086	3,039	3,006
55 years and over	606	657	685	688	688	652	664	608	583	679	608	579	580
Males, 16 years and over	3,830	3,931	4,020	3,968	4,060	4,178	4,244	4,152	3,714	3,904	3,712	3,466	3,609
16 to 19 years	937	882	889	908	910	950	951	933	833	903	918	842	858
16 to 17 years	459	415	430	452	429	455	449	432	384	387	459	374	399
18 to 19 years	478	456	461	467	481	496	505	487	457	515	459	465	459
20 to 24 years	869	882	921	903	899	990	987	1,022	892	958	879	819	823
25 years and over	1,984	2,158	2,221	2,189	2,282	2,236	2,281	2,194	2,002	2,034	1,919	1,835	1,892
25 to 54 years	1,613	1,742	1,847	1,813	1,830	1,862	1,902	1,853	1,656	1,616	1,534	1,517	1,563
55 years and over	387	411	372	408	410	385	387	349	354	414	385	328	343
Females, 16 years and over	3,081	3,240	3,386	3,549	3,388	3,386	3,407	3,367	3,244	3,279	3,352	3,271	3,141
16 to 19 years	753	763	752	870	754	753	767	769	835	774	807	801	795
16 to 17 years	352	356	356	391	329	321	343	328	393	359	388	362	380
18 to 19 years	401	390	371	489	432	434	425	443	444	416	427	451	414
20 to 24 years	703	724	677	754	740	777	815	757	725	764	759	726	710
25 years and over	1,662	1,751	2,008	1,886	1,898	1,870	1,821	1,833	1,679	1,732	1,770	1,745	1,673
25 to 54 years	1,451	1,512	1,648	1,625	1,618	1,608	1,536	1,596	1,434	1,472	1,552	1,522	1,443
55 years and over	219	246	313	280	278	267	277	259	229	265	223	251	237

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Selected categories	1976								1977				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total employed	87,640	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,588	88,962	89,475	90,023	90,408
Household heads	51,170	51,132	51,038	51,120	51,185	51,159	51,356	51,525	51,710	51,729	51,970	52,230	52,314
Married men, spouse present	38,196	38,122	38,146	38,179	38,140	37,989	37,895	37,998	38,195	38,159	38,294	38,536	38,509
Married women, spouse present	20,300	20,334	20,353	20,402	20,470	20,384	20,482	20,498	20,511	20,756	20,963	21,076	20,962
Occupation													
White-collar workers	43,757	43,583	43,503	43,731	44,023	44,207	44,297	44,648	44,521	44,451	44,495	44,851	44,766
Professional and technical	13,236	13,363	13,291	13,471	13,581	13,427	13,597	13,544	13,444	13,408	13,439	13,591	13,483
Managers and administrators, except farm	9,210	9,230	9,226	9,309	9,446	9,436	9,491	9,564	9,613	9,502	9,543	9,434	9,400
Sales workers	5,539	5,467	5,442	5,504	5,555	5,551	5,597	5,815	5,633	5,815	5,617	5,765	5,695
Clerical workers	15,772	15,523	15,544	15,447	15,441	15,793	15,612	15,725	15,831	15,726	15,896	16,061	16,188
Blue-collar workers	29,066	29,132	29,100	28,912	28,745	28,921	29,001	29,150	29,634	29,917	30,025	30,193	30,423
Craft and kindred workers	11,259	11,268	11,329	11,286	11,340	11,352	11,353	11,302	11,626	11,668	11,709	11,896	11,894
Operatives, except transport equipment	10,192	10,257	10,131	10,015	9,820	9,885	9,970	10,231	10,341	10,341	10,574	10,394	10,530
operatives	3,296	3,365	3,275	3,266	3,275	3,297	3,258	3,283	3,358	3,448	3,487	3,482	3,552
Nonfarm laborers	4,319	4,242	4,365	4,345	4,310	4,387	4,420	4,334	4,309	4,450	4,255	4,421	4,447
Service workers	12,034	12,058	12,178	12,265	12,165	11,972	12,026	11,880	11,874	12,017	12,272	12,254	12,372
Farm workers	2,839	2,826	2,861	2,913	2,772	2,829	2,743	2,791	2,624	2,663	2,652	2,779	2,904
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,297	1,317	1,306	1,339	1,309	1,310	1,285	1,380	1,246	1,280	1,282	1,310	1,325
Self-employed workers	1,664	1,671	1,686	1,700	1,608	1,671	1,627	1,530	1,490	1,511	1,513	1,548	1,655
Unpaid family workers	357	342	336	352	344	343	342	340	354	338	319	366	393
Nonagricultural industries:													
Wage and salary workers	78,070	78,117	78,250	78,423	78,440	78,498	78,766	78,957	79,205	79,520	79,869	80,306	80,429
Private households	1,303	1,389	1,433	1,384	1,400	1,377	1,448	1,384	1,391	1,317	1,313	1,320	1,305
Government	14,858	14,899	14,942	15,262	15,143	14,998	15,045	14,967	15,013	14,913	14,923	14,960	15,075
Other	61,909	61,829	61,875	61,777	61,897	62,123	62,273	62,606	62,801	63,290	63,633	64,026	64,049
Self-employed workers	5,759	5,642	5,640	5,661	5,701	5,632	5,771	5,798	5,853	5,854	5,919	5,954	6,050
Unpaid family workers	463	453	447	444	433	448	449	460	419	516	536	499	550
Persons at work¹													
Nonagricultural industries	78,960	79,331	79,257	78,991	79,796	79,469	79,940	80,369	79,832	80,837	81,330	81,005	81,771
Full-time schedules	64,877	64,858	65,261	64,687	64,965	64,955	65,385	65,846	65,700	66,144	66,659	66,436	67,219
Part time for economic reasons	3,287	3,150	3,136	3,178	3,376	3,448	3,545	3,454	3,320	3,438	3,276	3,174	3,290
Usually work full time	1,438	1,326	1,311	1,350	1,378	1,339	1,289	1,234	1,112	1,335	1,212	1,167	1,314
Usually work part time	1,849	1,824	1,825	1,828	1,998	2,109	2,256	2,220	2,208	2,103	2,064	2,007	1,976
Part time for noneconomic reasons	10,585	10,796	11,323	10,860	11,126	11,455	11,066	11,010	11,069	10,812	11,395	11,395	11,262

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

HOUSEHOLD DATA

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					
	May 1976	Apr. 1977	May 1977	May 1976	Jan. 1977	Feb. 1977	Mar. 1977	Apr. 1977	May 1977
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,670	6,861	6,865	6,670	6,847	6,854	6,857	6,861	6,865
Civilian labor force	6,286	6,472	6,479	6,313	6,486	6,512	6,486	6,501	6,508
Employed	5,838	5,962	6,011	5,845	5,995	6,059	6,045	6,027	6,019
Unemployed	448	510	468	468	491	453	441	474	489
Unemployment rate	7.1	7.9	7.2	7.4	7.6	7.0	6.8	7.3	7.5
20 to 24 years									
Civilian noninstitutional population ²	1,089	1,077	1,073	1,089	1,086	1,085	1,080	1,077	1,073
Civilian labor force	930	929	918	934	964	977	949	956	921
Employed	797	794	801	792	802	823	787	818	796
Unemployed	133	135	117	142	162	154	162	138	125
Unemployment rate	14.3	14.5	12.7	15.2	16.8	15.8	17.1	14.4	13.6
25 to 29 years									
Civilian noninstitutional population ²	3,329	3,044	3,012	3,329	3,141	3,109	3,077	3,044	3,012
Civilian labor force	3,153	2,894	2,858	3,167	2,972	2,945	2,906	2,893	2,872
Employed	2,941	2,650	2,639	2,949	2,736	2,748	2,713	2,671	2,647
Unemployed	212	244	219	218	236	197	193	222	225
Unemployment rate	6.7	8.4	7.7	6.9	7.9	6.7	6.6	7.7	7.8
30 to 34 years									
Civilian noninstitutional population ²	2,252	2,740	2,780	2,252	2,620	2,660	2,700	2,740	2,780
Civilian labor force	2,203	2,649	2,703	2,212	2,550	2,590	2,631	2,652	2,715
Employed	2,100	2,518	2,571	2,104	2,457	2,488	2,545	2,538	2,576
Unemployed	103	131	132	108	93	102	86	114	139
Unemployment rate	4.7	4.9	4.9	4.9	3.6	3.9	3.3	4.3	5.1
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	16,640	17,347	17,432	16,640	17,116	17,191	17,264	17,347	17,432
Civilian labor force	14,914	15,147	15,526	15,033	15,460	15,674	15,717	16,645	15,646
Employed	13,760	14,264	14,438	13,847	14,198	14,327	14,483	15,510	14,527
Unemployed	1,154	1,153	1,088	1,186	1,262	1,347	1,234	1,135	1,119
Unemployment rate	7.7	7.6	7.0	7.9	8.2	8.6	7.9	6.8	7.2
20 to 24 years									
Civilian noninstitutional population ²	7,885	8,080	8,104	7,885	8,018	8,036	8,056	8,080	8,104
Civilian labor force	6,638	6,649	6,736	6,731	6,905	6,956	6,932	6,850	6,831
Employed	5,928	5,958	6,055	6,006	6,174	6,151	6,211	6,161	6,135
Unemployed	710	691	681	725	731	805	721	689	696
Unemployment rate	10.7	10.4	10.1	10.8	10.6	11.6	10.4	10.1	10.2
25 to 29 years									
Civilian noninstitutional population ²	4,972	5,298	5,328	4,972	5,211	5,239	5,268	5,298	5,328
Civilian labor force	4,655	4,961	4,968	4,677	4,849	4,952	5,029	4,977	4,990
Employed	4,384	4,677	4,713	4,392	4,475	4,589	4,676	4,691	4,722
Unemployed	271	284	255	285	374	363	353	286	268
Unemployment rate	5.8	5.7	5.1	6.1	7.7	7.3	7.0	5.7	5.4
30 to 34 years									
Civilian noninstitutional population ²	3,783	3,969	4,000	3,783	3,887	3,916	3,940	3,969	4,000
Civilian labor force	3,621	3,807	3,822	3,625	3,706	3,766	3,756	3,818	3,825
Employed	3,448	3,629	3,670	3,449	3,549	3,587	3,596	3,658	3,670
Unemployed	173	178	152	176	157	179	160	160	155
Unemployment rate	4.8	4.7	4.0	4.9	4.2	4.8	4.3	4.2	4.1

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	728	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
May...	79,424	23,245	775	3,598	18,872	56,179	4,494	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	12,575
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	2,771	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....	80,547	23,461	827	3,451	19,183	57,086	4,522	17,799	4,310	13,489	4,422	15,028	15,315	2,714	12,601
Apr.p.	81,252	23,793	838	3,674	19,281	57,459	4,531	18,017	4,327	13,690	4,446	15,171	15,294	2,716	12,578
May p.	81,900	24,106	848	3,840	19,418	57,794	4,569	18,155	4,339	13,816	4,473	15,293	15,304	2,722	12,582

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
-	TOTAL	78,976	79,424	80,547	81,252	81,900	-	-	-	-	-
-	PRIVATE SECTOR	63,823	64,277	65,232	65,958	66,596	52,473	52,887	53,481	54,139	54,726
-	MINING	766	775	827	838	848	581	587	623	630	636
10	METAL MINING	90.2	91.4	96.2	97.1	-	69.5	70.4	74.2	75.0	-
101	Iron ores	24.9	25.7	25.7	25.9	-	20.1	20.8	20.7	20.9	-
102	Copper ores	34.2	34.8	36.3	36.4	-	25.9	26.4	27.9	28.0	-
11,12	COAL MINING	214.3	215.4	232.2	232.7	-	183.5	184.5	191.4	190.5	-
12	Bituminous coal and lignite mining	210.5	211.5	228.4	228.7	-	180.2	181.1	188.1	187.1	-
13	OIL AND GAS EXTRACTION	347.3	350.7	386.9	391.3	-	237.1	239.5	269.3	272.2	-
131,2	Crude petroleum and natural gas fields	161.0	162.6	168.7	170.0	-	81.5	82.4	84.3	84.6	-
138	Oil and gas field services	186.3	188.1	218.2	221.3	-	155.6	157.1	185.0	187.6	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	114.5	117.0	112.1	116.7	-	90.5	92.8	88.1	92.2	-
142	Crushed and broken stone	39.8	41.1	38.3	40.8	-	32.5	33.7	31.1	33.6	-
144	Sand and gravel	34.0	35.6	33.6	35.2	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,468	3,598	3,451	3,674	3,840	2,723	2,851	2,688	2,903	3,061
15	GENERAL BUILDING CONTRACTORS	1,035.3	1,064.7	1,044.3	1,101.7	-	798.9	829.3	803.0	858.2	-
16	HEAVY CONSTRUCTION CONTRACTORS	679.7	738.9	633.3	721.2	-	550.7	608.6	493.9	579.9	-
161	Highway and street construction	281.3	324.2	241.9	303.6	-	234.9	277.3	189.0	248.8	-
162	Heavy construction, nec	398.4	414.7	391.4	417.6	-	315.8	331.3	304.9	331.1	-
17	SPECIAL TRADE CONTRACTORS	1,753.0	1,794.6	1,773.4	1,851.3	-	1,373.3	1,413.1	1,391.1	1,464.4	-
171	Plumbing, heating, air conditioning	414.4	420.7	426.9	437.3	-	308.8	316.6	318.4	328.4	-
172	Painting, paper hanging, decorating	122.0	128.7	126.3	134.2	-	103.8	109.8	105.5	112.7	-
173	Electrical work	321.1	323.9	315.0	321.1	-	249.4	252.2	244.4	250.0	-
174	Masonry, stonework, and plastering	191.4	192.7	199.6	214.8	-	164.4	165.6	171.9	186.5	-
176	Roofing and sheet metal work	124.0	125.7	125.1	132.2	-	98.6	100.2	98.9	105.7	-
-	MANUFACTURING	18,813	18,872	19,183	19,281	19,418	13,529	13,571	13,763	13,855	13,997
19,24,25, 32-39	DURABLE GOODS	10,945	11,034	11,246	11,317	11,419	7,814	7,890	8,025	8,092	8,195
20-23, 26-31	NONDURABLE GOODS	7,868	7,838	7,937	7,964	7,999	5,715	5,681	5,738	5,763	5,802
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	159.3	157.9	155.4	156.4	155.9	72.4	71.3	69.4	70.8	73.6
192	Ammunition, except for small arms	103.7	102.3	100.4	100.9	100.4	36.8	35.7	34.9	35.6	37.7
1925	Complete guided missiles	85.9	85.0	82.8	83.0	-	24.1	23.4	22.1	22.6	-
1929	Ammunition, exc. for small arms, nec	17.8	17.3	17.6	17.9	-	12.7	12.3	12.8	13.0	-
24	LUMBER AND WOOD PRODUCTS	587.5	600.1	614.0	624.4	640.1	490.9	502.5	520.0	530.6	546.4
241	Logging camps and logging contractors	70.1	72.8	68.8	68.5	73.9	-	-	-	-	-
242	Sawmills and planing mills	204.0	206.9	212.3	214.2	217.3	180.6	183.1	189.0	190.9	193.3
2421	Sawmills and planing mills, general	173.4	175.8	180.5	182.0	-	153.4	155.4	160.6	162.2	-
243	Millwork, plywood and related products	196.1	201.7	211.7	217.9	224.0	162.6	167.3	175.7	181.4	187.6
2431	Millwork	88.7	90.5	97.1	99.4	-	72.9	74.3	79.2	81.2	-
2432	Veneer and plywood	72.4	73.4	75.5	76.1	-	64.7	65.3	67.6	68.1	-
244	Wooden containers	21.9	22.8	21.2	21.6	22.2	19.0	20.0	18.6	19.1	19.7
2441,2	Wooden boxes, shooks, and crates	17.6	18.3	17.0	17.3	-	81.2	16.1	15.0	15.4	-
249	Miscellaneous wood products	95.4	95.9	100.0	102.2	102.7	76.6	77.1	81.7	84.1	85.0

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977	May 1977	Apr. 1976	May 1976	Mar. 1977	Apr. 1977	May 1977
DURABLE GOODS—Continued											
25	FURNITURE AND FIXTURES	487.4	490.9	498.4	500.5	501.1	399.4	403.5	409.2	411.3	412.0
251	Household furniture	353.4	355.6	360.7	363.2	363.9	298.7	301.4	305.1	307.3	308.0
2511	Wood household furniture	179.5	181.8	182.4	183.9	—	156.8	159.5	159.8	161.2	—
2512	Upholstered household furniture	103.1	102.3	104.9	105.4	—	85.8	84.7	86.1	86.6	—
2515	Mattresses and bedsprings	33.4	33.6	32.4	32.7	—	25.4	25.7	24.9	25.1	—
252	Office furniture	37.1	37.4	41.3	41.0	—	29.1	29.5	33.3	33.3	—
254	Partitions and fixtures	51.5	52.0	52.7	52.8	—	38.3	38.7	39.3	39.3	—
253,9	Other furniture and fixtures	45.4	45.9	43.7	43.5	43.4	33.3	33.9	31.5	31.4	31.4
STONE, CLAY, AND GLASS PRODUCTS											
32	Flat glass	618.3	628.0	625.9	642.2	649.8	491.6	500.6	495.1	511.1	517.8
321	Glass and glassware, pressed or blown	16.2	16.5	15.6	15.9	—	12.9	13.2	12.4	12.7	—
322	Glass containers	129.5	132.0	135.2	136.3	(*)	111.6	114.2	117.6	118.6	(*)
3221	Pressed and blown glass, nec	75.5	77.2	78.4	78.5	—	66.4	68.1	70.2	70.2	—
3229	Cement, hydraulic	54.0	54.8	56.8	57.8	—	45.2	46.1	47.4	48.4	—
324	Structural clay products	29.7	29.9	28.9	29.5	29.7	23.5	23.7	22.7	23.2	23.5
325	Brick and structural clay tile	46.5	47.8	47.1	49.6	50.4	37.3	38.6	37.3	39.7	40.4
3251	Pottery and related products	21.0	21.3	20.8	22.2	—	17.5	17.8	17.1	18.4	—
326	Concrete, gypsum, and plaster products	44.2	44.1	40.2	40.2	—	37.4	37.3	33.6	33.4	—
327	Other stone and nonmetallic mineral products	186.0	190.3	185.2	194.9	200.4	143.8	147.4	142.3	151.4	155.8
328,9	Abrasive products	131.0	131.8	134.7	136.1	137.4	98.6	99.3	101.3	103.1	104.3
3291	Other stone and nonmetallic mineral products	23.9	24.1	23.9	23.6	—	17.0	17.1	16.8	16.6	—
PRIMARY METAL INDUSTRIES											
33	Blast furnace and basic steel products	1,184.3	1,194.5	1,190.8	1,204.7	1,215.3	930.4	939.0	930.5	943.3	955.5
331	Blast furnaces and steel mills	541.9	547.1	539.9	551.3	(*)	424.6	428.9	420.3	430.4	(*)
3312	Iron and steel foundries	469.8	474.6	467.4	478.6	—	369.9	373.5	365.5	375.5	—
332	Gray iron foundries	215.5	216.1	216.6	215.9	218.9	177.3	177.9	176.5	176.5	178.9
3321	Malleable iron foundries	135.9	137.3	140.1	141.0	—	114.0	115.1	116.0	117.2	—
3322	Steel foundries	21.4	21.1	20.0	18.6	—	17.2	17.2	16.1	15.0	—
3323	Nonferrous metals	58.2	57.7	56.5	56.3	—	46.1	45.6	44.4	44.3	—
333,4	Primary aluminum	83.3	84.4	85.2	84.2	(*)	63.3	64.4	64.6	63.9	(*)
3334	Nonferrous rolling and drawing	32.0	32.5	33.7	34.0	—	25.7	26.2	27.1	27.4	—
335	Copper rolling and drawing	192.8	195.6	197.9	199.5	201.0	143.2	145.4	146.3	147.6	149.6
3351	Aluminum rolling and drawing	35.3	35.8	36.3	36.6	—	27.1	27.3	27.7	28.1	—
3352	Nonferrous wire drawing and insulating	59.0	60.5	63.0	63.7	—	42.4	44.0	45.3	45.6	—
3357	Nonferrous foundries	79.3	79.6	78.8	79.5	—	59.7	59.8	59.4	59.8	—
336	Aluminum castings	78.1	78.5	81.4	81.6	82.1	64.5	64.8	67.6	67.7	68.3
3361	Other nonferrous castings	43.5	44.1	45.4	45.7	—	36.5	37.1	38.4	38.6	—
3362,9	Miscellaneous primary metal products	34.6	34.4	36.0	35.9	—	28.0	27.7	29.2	29.1	—
339	Iron and steel forgings	72.7	72.8	69.8	72.2	72.8	57.5	57.6	55.2	57.2	58.0
3391	Miscellaneous primary metal products	47.6	47.5	43.9	46.0	—	37.7	37.8	34.9	36.7	—
FABRICATED METAL PRODUCTS											
34	Metal cans	1,377.6	1,385.1	1,415.9	1,423.1	1,437.2	1,038.9	1,045.4	1,069.2	1,076.1	1,088.8
341	Cutlery, hand tools, and hardware	63.8	63.6	61.8	60.8	61.4	55.2	55.0	53.1	51.8	52.3
342	Cutlery and hand tools, including saws	165.8	166.1	172.7	173.0	174.2	128.1	128.8	134.8	134.9	136.4
3421,3,5	Hardware, nec	70.0	70.2	70.5	69.9	—	53.6	53.6	54.6	53.8	—
3429	Plumbing and heating, except electric	95.8	95.9	102.2	103.1	—	74.5	75.2	80.2	81.1	—
343	Sanitary ware and plumbers' brass goods	68.8	69.1	73.1	73.9	74.0	50.6	50.7	54.4	55.1	54.9
3431,2	Heating equipment, except electric	31.9	32.0	32.9	33.5	—	24.3	24.3	25.5	26.0	—
3433	Fabricated structural metal products	36.9	37.1	40.2	40.4	—	26.3	26.4	28.9	29.1	—
344	Fabricated structural steel	443.1	444.6	450.1	454.6	(*)	306.4	307.6	311.7	316.7	(*)
3441	Metal doors, sash, and trim	98.3	96.4	94.5	94.1	—	69.3	67.5	66.5	66.1	—
3442	Fabricated plate work (boiler shops)	67.8	70.5	71.5	74.3	—	50.0	52.1	52.5	55.3	—
3443	Architectural and miscellaneous metal work	138.6	137.6	136.4	136.5	—	90.0	89.3	87.9	88.6	—
3444	Screw machine products, bolts, etc	83.7	84.7	89.9	91.5	—	59.9	60.8	65.4	66.9	—
3446,9	Screw machine products	54.7	55.4	57.8	58.2	—	37.2	37.9	39.4	39.8	—
345	Bolts, nuts, rivets, and washers	96.8	97.5	103.9	104.7	105.2	74.9	75.4	81.1	81.7	81.8
3451	Metal stampings	44.6	45.0	49.8	50.2	—	36.4	36.8	41.0	41.2	—
3452	Metal services, nec	52.2	52.5	54.1	54.5	—	38.5	38.6	40.1	40.5	—
346	Miscellaneous fabricated wire products	227.5	229.6	230.8	232.3	(*)	185.6	187.2	188.1	189.4	(*)
347	Miscellaneous fabricated metal products	89.4	90.7	93.6	93.7	95.1	72.8	74.3	76.5	76.6	78.0
348	Valves, pipe, and pipe fittings	60.0	59.5	60.2	60.5	59.4	47.7	47.3	46.5	46.9	46.2
349	Miscellaneous fabricated metal products	162.4	164.4	169.7	169.6	169.9	117.6	119.1	123.0	123.0	123.4
3494,8	Miscellaneous fabricated metal products	107.3	108.8	111.7	112.0	—	73.6	74.8	77.0	77.3	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
DURABLE GOODS—Continued											
35	MACHINERY, EXCEPT ELECTRICAL	2,057.9	2,063.7	2,148.1	2,140.0	2,155.2	1,333.8	1,336.6	1,391.4	1,385.7	1,403.3
351	Engines and turbines	113.0	112.4	115.3	114.8	116.6	73.5	72.9	74.9	74.0	74.9
3511	Steam engines and turbines	43.1	42.9	42.7	42.6	—	22.9	22.9	22.6	22.3	—
3519	Internal combustion engines, nec.	69.9	69.5	72.6	72.2	—	50.6	50.0	52.3	51.7	—
352	Farm machinery	150.4	149.8	149.3	147.9	—	106.8	106.1	105.0	103.4	—
353	Construction and related machinery	337.6	336.5	338.3	336.5	(*)	218.9	216.9	218.3	216.7	(*)
3531,2	Construction and mining machinery	180.5	180.6	175.2	176.2	—	116.6	116.5	112.7	113.2	—
3533	Oil field machinery	69.5	68.4	69.7	67.2	—	49.4	47.7	48.9	46.9	—
3535,6	Conveyors, hoists, cranes, monorails	46.1	46.1	48.6	48.6	—	28.0	28.1	28.4	28.5	—
3537	Industrial trucks and tractors	29.0	29.2	32.8	32.7	—	18.4	18.4	21.8	21.6	—
354	Metal working machinery	305.4	305.8	323.7	324.3	(*)	221.8	222.7	238.0	238.4	(*)
3541	Machine tools, metal cutting types	58.4	58.7	62.3	61.2	—	37.6	38.1	40.8	39.7	—
3544	Special dies, tools, jigs, and fixtures	119.7	120.7	130.9	131.7	—	95.7	96.9	105.4	106.2	—
3545	Machine tool accessories	53.5	53.6	56.3	56.7	—	38.0	38.2	40.2	40.4	—
3542,8	Miscellaneous metal working machinery	73.8	72.8	74.2	74.7	—	50.5	49.5	51.6	52.1	—
355	Special industry machinery	175.5	175.9	177.3	176.8	177.5	112.3	112.1	112.9	112.6	113.8
3551	Food products machinery	40.7	41.0	41.8	41.9	—	26.5	26.6	27.1	27.0	—
3552	Textile machinery	31.1	31.3	30.2	30.2	—	22.3	22.3	21.7	21.7	—
3555	Printing trades machinery	25.1	25.0	26.0	26.2	—	15.2	15.1	15.3	15.4	—
356	General industrial machinery	279.9	283.5	294.3	291.8	293.2	182.9	185.9	193.5	191.3	192.6
3561	Pumps and compressors	81.3	81.2	84.4	82.1	—	48.6	48.9	51.0	49.2	—
3562	Ball and roller bearings	49.9	53.9	54.9	55.1	—	37.9	41.0	41.9	42.1	—
3564	Blowers and fans	33.1	33.8	35.4	35.1	—	20.7	21.4	22.7	22.3	—
3566	Power transmission equipment	48.0	46.3	47.3	47.3	—	34.1	32.5	33.2	33.1	—
357	Office and computing machines	284.7	286.8	310.8	312.4	313.5	113.5	114.6	124.4	127.8	131.2
3573	Electronic computing equipment	213.6	215.1	237.5	238.2	—	71.1	71.9	82.5	84.9	—
358	Service industry machines	162.3	162.6	172.0	171.3	172.6	113.2	113.5	119.8	119.5	120.9
3585	Refrigeration machinery	113.9	113.7	121.5	122.4	—	81.3	81.3	86.3	87.1	—
359	Miscellaneous machinery, except electrical	249.1	250.4	267.1	264.2	266.5	190.9	191.9	204.6	202.0	204.0
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,813.8	1,822.3	1,886.6	1,899.0	1,911.8	1,196.8	1,204.8	1,248.8	1,260.0	1,272.1
361	Electric test and distributing equipment	192.7	193.8	198.8	201.1	202.6	128.6	129.1	134.2	135.0	137.2
3611	Electric measuring instruments	69.5	70.0	74.3	75.8	—	41.4	41.7	45.2	45.3	—
3612	Transformers	49.8	50.2	48.5	49.1	—	35.7	36.0	35.0	35.6	—
3613	Switchgear and switchboard apparatus	73.4	73.6	76.0	76.2	—	51.5	51.4	54.0	54.1	—
362	Electrical industrial apparatus	209.5	211.5	220.6	221.8	(*)	148.9	150.8	157.5	158.9	(*)
3621	Motors and generators	104.5	105.8	107.7	107.7	—	78.3	79.7	80.5	81.0	—
3622	Industrial controls	65.3	65.5	70.1	70.6	—	42.5	42.6	46.3	46.6	—
363	Household appliances	167.5	167.1	169.8	175.0	176.8	130.8	130.4	132.8	137.4	138.4
3632	Household refrigerators and freezers	38.5	38.3	38.0	37.9	—	29.9	29.5	29.3	29.4	—
3633	Household laundry equipment	25.8	24.4	26.3	27.6	—	20.2	19.1	20.7	21.9	—
3634	Electric housewares and fans	47.5	48.2	51.5	52.1	—	37.4	38.0	41.0	41.5	—
364	Electric lighting and wiring equipment	193.9	195.0	204.3	205.7	205.1	149.1	150.4	156.3	157.8	157.2
3641	Electric lamps	36.7	36.7	37.2	37.5	—	32.7	32.7	33.0	33.5	—
3642	Lighting fixtures	64.1	63.9	66.3	66.4	—	49.4	49.3	51.2	51.1	—
3643,4	Wiring devices	93.1	94.4	100.8	101.8	—	67.0	68.4	72.1	73.2	—
365	Radio and TV receiving equipment	126.1	129.6	128.1	128.7	130.1	90.6	93.9	90.4	91.6	93.5
366	Communication equipment	420.1	418.1	429.9	430.6	430.8	207.9	206.9	214.1	214.7	217.3
3661	Telephone and telegraph apparatus	132.4	130.8	141.1	142.4	—	84.6	84.1	93.8	95.3	—
3662	Radio and TV communication equipment	287.7	287.3	288.8	288.2	—	123.3	122.8	120.3	119.4	—
367	Electronic components and accessories	364.8	366.6	383.9	384.5	387.5	233.9	235.2	245.7	246.4	248.1
3671-3	Electron tubes	42.0	41.4	42.0	42.2	—	27.5	27.2	26.9	26.8	—
3674,9	Other electronic components	322.8	325.2	341.9	342.3	—	206.4	208.0	218.8	219.6	—
369	Miscellaneous electrical equipment and supplies	139.2	140.6	151.2	151.6	153.4	107.0	108.1	117.8	118.2	118.7
3694	Engine electrical equipment	71.6	72.4	78.8	79.1	—	56.3	57.1	63.6	63.6	—
37	TRANSPORTATION EQUIPMENT	1,735.3	1,755.2	1,775.4	1,790.4	1,810.2	1,233.2	1,249.7	1,256.9	1,268.7	1,284.3
371	Motor vehicles and equipment	848.5	862.3	871.2	871.8	(*)	662.0	673.6	677.8	677.7	(*)
3711	Motor vehicles	354.1	357.7	356.1	356.4	—	264.7	267.1	265.0	265.3	—
3712	Passenger car bodies	46.6	48.5	47.1	46.6	—	36.5	38.2	36.2	35.7	—
3713	Truck and bus bodies	38.5	39.2	40.7	40.8	—	29.3	29.8	31.6	31.7	—
3714	Motor vehicle parts and accessories	388.5	395.6	402.6	402.7	—	316.4	322.6	325.8	325.2	—
3715	Truck trailers	20.8	21.3	24.7	25.3	—	15.1	15.9	19.2	19.8	—
372	Aircraft and parts	486.6	485.3	476.2	482.8	(*)	252.8	251.4	241.4	247.0	(*)
3721	Aircraft	261.7	261.5	260.2	260.5	—	125.3	125.0	122.7	123.1	—
3722	Aircraft engines and engine parts	132.9	132.1	125.3	131.1	—	72.0	71.2	64.1	68.8	—
3723,9	Other aircraft parts and equipment	92.0	91.7	90.7	91.2	—	55.5	55.2	54.6	55.1	—
373	Ship and boat building and repairing	212.9	215.0	227.3	228.0	228.9	170.1	172.3	180.3	180.1	181.6
3731	Ship building and repairing	165.5	167.3	175.5	175.5	—	130.8	132.9	137.4	136.6	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
	DURABLE GOODS—Continued										
	TRANSPORTATION EQUIPMENT—Continued										
3732	Boat building and repairing	47.4	47.7	51.8	52.5	—	39.3	39.4	42.9	43.5	—
374	Railroad equipment	43.4	42.3	45.9	(*)	—	31.8	30.7	33.9	(*)	—
375,9	Other transportation equipment	143.9	150.3	154.8	162.1	—	116.5	121.7	123.5	130.4	—
38	INSTRUMENTS AND RELATED PRODUCTS	505.6	510.6	521.8	520.9	524.4	307.3	311.1	319.2	318.1	320.2
381	Engineering and scientific instruments	58.8	59.1	58.5	58.8	—	28.7	28.9	27.5	27.5	—
382	Mechanical measuring and control devices	117.3	117.9	120.1	118.5	118.3	74.8	75.4	77.4	76.6	76.8
3821	Mechanical measuring devices	76.2	76.1	79.6	80.1	—	45.3	45.3	48.7	49.3	—
3822	Automatic temperature controls	41.1	41.8	40.5	38.4	—	29.5	30.1	28.7	27.3	—
383,5	Optical and ophthalmic goods	63.1	64.0	68.1	68.3	69.0	42.7	43.6	45.7	45.8	46.8
385	Ophthalmic goods	41.4	42.1	43.9	44.2	—	30.3	30.9	31.5	31.9	—
384	Medical instruments and supplies	107.9	109.0	114.3	114.9	115.8	72.7	73.4	77.9	78.3	78.8
386	Photographic equipment and supplies	127.9	129.4	130.5	129.9	131.7	64.1	64.8	66.9	66.1	66.5
387	Watches, clocks, and watchcases	30.6	31.2	30.3	30.5	—	24.3	25.0	23.8	23.8	—
	MISCELLANEOUS MANUFACTURING INDUSTRIES	417.7	425.6	413.5	415.2	417.7	319.0	325.9	315.1	316.6	320.6
391	Jewelry, silverware, and plated ware	53.9	54.6	54.2	54.8	55.1	39.9	40.5	39.5	39.8	40.3
394	Toys and sporting goods	115.0	121.3	115.6	115.7	—	87.8	93.5	88.5	88.7	—
3941-3	Games, toys, dolls, and play vehicles	58.6	64.5	58.4	57.9	—	42.3	47.7	42.7	42.3	—
3949	Sporting and athletic goods, nec	56.4	56.8	57.2	57.8	—	45.5	45.8	45.8	46.4	—
395	Pens, pencils, office, and art supplies	35.0	34.7	33.4	33.5	—	24.7	24.3	23.8	24.0	—
396	Costume jewelry and notions	54.8	55.3	50.9	51.0	—	44.6	45.3	41.0	41.0	—
393,9	Other manufacturing industries	159.0	159.7	159.4	160.2	161.2	122.0	122.3	122.3	123.1	124.3
393	Musical instruments and parts	25.0	25.1	23.7	23.7	—	20.7	20.9	19.2	19.3	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	1,630.2	1,652.0	1,661.4	1,659.9	1,659.7	1,090.4	1,108.4	1,114.0	1,112.7	1,117.2
201	Meat products	342.0	345.2	353.8	354.9	356.1	279.1	282.3	290.1	291.7	293.3
2011	Meat packing plants	167.2	167.2	169.7	171.2	—	134.1	134.1	135.6	137.1	—
2013	Sausages and other prepared meats	65.9	65.5	66.9	67.0	—	46.4	46.0	47.7	48.1	—
2015	Poultry dressing plants	108.9	112.5	117.2	116.7	—	98.6	102.2	106.8	106.5	—
202	Dairy products	193.3	195.3	190.4	188.9	190.5	100.9	102.1	98.9	98.0	100.7
2024	Ice cream and frozen desserts	23.4	24.3	21.4	19.8	—	12.9	13.3	11.7	10.3	—
2026	Fluid milk	123.9	124.3	122.8	123.0	—	53.7	53.9	52.0	52.4	—
203	Canned, cured, and frozen foods	259.1	265.6	255.6	257.1	—	210.6	216.3	206.9	207.0	—
2031,6	Canned, cured, and frozen sea foods	43.6	44.8	43.0	43.5	—	37.4	38.9	37.8	37.7	—
2032,3	Canned food, except sea foods	108.2	110.8	107.7	107.9	—	83.3	85.7	82.1	81.9	—
2037	Frozen fruits and vegetables	65.8	66.2	65.0	65.7	—	57.6	57.8	56.7	56.8	—
204	Grain mill products	139.6	142.3	146.9	145.6	144.9	97.0	99.0	101.5	100.7	100.5
2041	Flour and other grain mill products	26.1	25.7	28.2	28.3	—	18.4	18.1	19.0	19.3	—
2042	Prepared feeds for animals and fowls	72.2	74.4	74.5	73.0	—	47.5	48.9	49.4	48.3	—
205	Bakery products	238.0	240.5	237.9	238.3	239.2	135.7	137.7	136.9	137.2	138.0
2051	Bread, cake, and related products	197.8	200.0	197.8	198.2	—	104.2	105.9	104.6	105.1	—
2052	Cookies and crackers	40.2	40.5	40.1	40.1	—	31.5	31.8	32.3	32.1	—
206	Sugar	30.3	30.7	27.7	26.1	—	21.7	22.2	20.3	19.0	—
207	Confectionery and related products	74.5	73.6	77.9	76.0	73.9	56.7	55.6	59.4	58.0	55.6
2071	Confectionery products	54.9	54.4	55.8	53.9	—	42.7	42.2	43.7	42.3	—
208	Beverages	210.6	216.3	224.3	226.5	227.1	96.4	100.8	105.1	106.8	107.6
2082	Malt liquors	39.3	41.2	48.7	49.1	—	25.4	27.3	34.4	34.8	—
2086	Bottled and canned soft drinks	128.8	131.9	131.2	132.8	—	47.0	48.7	46.2	47.5	—
209	Miscellaneous foods and kindred products	142.8	142.5	146.9	146.5	(*)	92.3	92.4	94.9	94.3	(*)
21	TOBACCO MANUFACTURES	68.9	67.7	63.9	67.2	66.1	55.9	55.0	51.3	53.6	52.1
211	Cigarettes	46.3	45.9	39.5	44.7	—	37.9	37.6	31.5	35.7	—
212	Cigars	10.8	10.4	9.8	9.4	—	9.5	9.1	8.5	8.1	—
22	TEXTILE MILL PRODUCTS	969.8	971.9	969.8	977.9	982.1	847.6	849.5	845.8	853.5	856.5
221	Weaving mills, cotton	174.0	174.0	173.0	174.2	173.6	158.4	158.3	156.5	157.7	157.1
222	Weaving mills, synthetics	121.5	122.5	120.6	120.8	121.1	108.6	109.5	108.2	108.4	108.8
223	Weaving and finishing mills, wool	22.6	22.9	23.4	23.5	23.5	18.9	19.1	19.7	19.7	19.7
224	Narrow fabric mills	27.4	27.3	25.8	26.1	25.8	23.8	23.8	22.5	22.7	22.5
225	Knitting mills	260.4	262.6	263.3	265.7	267.8	224.2	226.3	226.7	228.8	231.0
2251	Women's hosiery, except socks	37.7	38.1	38.2	37.9	—	33.2	33.5	33.9	33.5	—
2252	Hosiery, nec	35.1	35.4	35.1	35.4	—	31.4	31.6	31.3	31.5	—
2253	Knit outerwear mills	76.1	77.5	78.6	80.0	—	64.7	65.9	66.9	68.4	—
2254	Knit underwear mills	39.4	40.0	40.4	40.1	—	34.2	35.0	35.0	34.6	—

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					
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	
	NONDURABLE GOODS—Continued											
	TEXTILE MILL PRODUCTS—Continued											
226	Textile finishing, except wool	83.1	83.0	79.9	81.5	82.2	70.7	70.7	67.7	69.2	70.0	
227	Floor covering mills	60.2	59.8	62.9	63.2	—	47.5	47.1	49.7	50.4	—	
228	Yarn and thread mills	153.7	155.3	154.1	156.1	157.3	140.7	142.2	141.0	142.8	143.3	
229	Miscellaneous textile goods	66.9	64.5	66.8	66.8	67.7	54.8	52.5	53.8	53.8	54.4	
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,316.7	1,318.8	1,286.9	1,282.6	1,292.4	1,134.9	1,136.4	1,104.9	1,100.1	1,110.4	
231	Men's and boys' suits and coats	87.4	89.8	87.6	87.6	88.1	76.7	79.0	77.4	77.0	77.7	
232	Men's and boys' furnishings	384.6	387.2	380.5	380.7	385.0	330.8	333.5	325.4	325.8	331.4	
2321	Men's and boys' shirts and nightwear	119.5	120.5	114.3	113.9	—	104.5	105.4	99.1	98.8	—	
2327	Men's and boys' separate trousers	87.5	87.2	86.6	86.1	—	76.7	76.4	75.4	75.4	—	
2328	Men's and boys' work clothing	93.1	94.1	96.2	96.8	—	77.1	78.1	79.1	79.4	—	
233	Women's and misses' outerwear	402.8	396.6	382.7	376.3	373.9	353.5	347.4	334.4	327.9	326.0	
2331	Women's and misses' blouses and waists	51.0	50.3	48.6	48.9	—	45.1	44.4	42.6	42.8	—	
2335	Women's and misses' dresses	180.2	172.9	170.8	169.6	—	161.3	154.4	152.1	150.9	—	
2337	Women's and misses' suits and coats	53.2	57.1	50.4	46.3	—	44.7	48.5	41.9	37.7	—	
2339	Women's and misses' outerwear, nec	118.4	116.3	112.9	111.5	—	102.4	100.1	97.8	96.5	—	
234	Women's and children's undergarments	102.0	102.2	100.5	100.3	101.4	86.8	87.0	85.4	85.2	86.0	
2341	Women's and children's underwear	77.0	77.1	76.6	76.7	—	66.8	67.0	66.3	66.4	—	
2342	Corsets and allied garments	25.0	25.1	23.9	23.6	—	20.0	20.0	19.1	18.8	—	
235	Hats, caps, and millinery	15.8	15.9	16.4	16.5	—	13.6	13.8	14.4	14.5	—	
236	Children's outerwear	77.9	80.0	75.5	75.3	77.6	67.0	68.9	64.5	64.3	66.3	
2361	Children's dresses and blouses	31.6	32.0	30.5	30.5	—	28.5	28.8	27.5	27.5	—	
237,8	Fur goods and miscellaneous apparel	67.8	67.8	67.2	67.6	—	58.7	58.7	57.8	58.1	—	
239	Miscellaneous fabricated textile products	178.4	179.3	176.5	178.3	181.3	147.8	148.1	145.6	147.3	149.8	
2391,2	Housefurnishings	75.5	75.5	74.7	75.4	—	63.5	63.2	62.1	63.1	—	
26	PAPER AND ALLIED PRODUCTS	669.1	672.3	682.9	690.0	695.6	507.0	509.8	512.3	517.4	523.8	
261,2,6	Paper and pulp mills	197.1	198.2	198.8	201.2	202.4	150.6	151.6	151.8	153.7	154.8	
263	Paperboard mills	68.7	68.8	70.7	70.9	70.8	54.9	54.9	55.2	55.6	55.3	
264	Miscellaneous converted paper products	195.3	196.0	203.2	205.9	(*)	140.1	140.7	143.2	144.6	(*)	
2643	Bags, except textile bags	42.7	42.7	44.4	44.5	—	34.1	34.2	35.4	35.4	—	
265	Paperboard containers and boxes	208.0	209.3	210.2	212.0	214.1	161.4	162.6	162.1	163.5	165.7	
2651,2	Folding and setup paperboard boxes	58.7	59.2	58.6	59.3	—	47.4	47.7	46.9	47.6	—	
2653	Corrugated and solid fiber boxes	100.2	101.1	103.0	103.5	—	73.9	74.8	75.5	75.7	—	
2654	Sanitary food containers	30.8	30.8	31.1	31.7	—	25.4	25.5	25.5	26.1	—	
27	PRINTING AND PUBLISHING	1,075.1	1,076.1	1,096.4	1,097.3	1,102.5	629.7	629.0	634.7	635.9	640.2	
271	Newspapers	378.1	380.2	388.6	388.8	389.7	166.0	166.3	165.2	166.0	166.3	
272	Periodicals	69.4	69.3	71.6	71.2	—	18.5	18.5	20.0	19.8	—	
273	Books	89.6	89.4	90.9	91.3	—	49.0	48.7	48.7	49.4	—	
275	Commercial printing	359.7	358.1	362.2	362.0	(*)	270.0	269.0	271.2	270.5	(*)	
2751	Commercial printing, except lithographic	201.6	202.0	205.0	204.9	—	153.2	154.0	155.9	155.4	—	
2752	Commercial printing, lithographic	147.3	145.7	146.3	146.3	—	108.6	107.1	106.6	106.6	—	
278	Blankbooks and bookbinding	49.7	50.2	50.7	51.0	51.2	40.3	40.8	41.2	41.5	41.8	
274,6,7,9	Other publishing and printing ind	128.6	128.9	132.4	133.0	134.4	85.9	85.7	88.4	88.7	90.2	
28	CHEMICALS AND ALLIED PRODUCTS	1,029.8	1,028.0	1,047.5	1,050.9	1,052.0	589.0	587.6	600.5	605.7	609.0	
281	Industrial chemicals	333.4	333.0	341.1	342.3	341.8	179.1	178.7	183.0	185.1	186.6	
2812	Alkalies and chlorine	21.5	21.5	20.6	20.7	—	15.7	15.7	15.3	15.2	—	
2818	Industrial organic chemicals, nec	137.8	138.4	140.3	140.3	—	60.4	60.6	64.2	65.3	—	
2819	Industrial inorganic chemicals, nec	110.2	108.1	113.1	113.9	—	62.2	60.8	61.3	62.0	—	
282	Plastics materials and synthetics	207.5	205.0	203.4	204.6	206.4	139.5	137.1	136.5	138.2	140.7	
2821	Plastics materials and resins	87.2	86.9	88.7	88.4	—	54.7	54.5	55.7	55.7	—	
2823,4	Synthetic fibers	108.1	106.7	101.4	102.6	—	76.0	74.6	70.7	72.1	—	
283	Drugs	166.5	166.8	172.9	173.8	173.6	82.9	83.1	87.4	88.4	88.0	
2834	Pharmaceutical preparations	132.8	132.9	138.5	138.8	—	64.1	64.1	68.0	68.4	—	
284	Soap, cleaners, and toilet goods	115.7	116.4	122.7	122.1	122.3	66.2	67.4	72.9	72.7	72.5	
2841	Soap and other detergents	34.6	35.0	39.9	39.7	—	21.9	22.5	26.1	26.2	—	
2844	Toilet preparations	48.3	48.5	49.2	48.7	—	27.4	27.8	29.3	28.8	—	
285	Paints and allied products	65.8	66.8	69.0	69.3	70.0	35.3	36.0	36.3	36.6	37.3	
287	Agricultural chemicals	60.3	59.4	59.8	60.7	59.9	38.4	37.6	38.3	39.0	38.0	
2871,2	Fertilizers, complete and mixing only	36.9	36.3	36.2	37.0	—	26.3	25.7	25.5	26.1	—	
286,9	Other chemical products	80.6	80.6	78.6	78.1	78.0	47.6	47.7	46.1	45.7	45.9	
2892	Explosives	15.3	15.0	13.5	12.5	—	9.7	9.6	8.7	8.0	—	
29	PETROLEUM AND COAL PRODUCTS	201.1	202.8	202.0	206.0	207.5	130.2	131.9	129.8	134.0	134.7	
291	Petroleum refining	156.0	156.1	156.5	158.2	158.2	97.1	97.4	96.7	98.7	98.2	
295,9	Other petroleum and coal products	45.1	46.7	45.5	47.8	49.3	33.1	34.5	33.1	35.3	36.5	

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					
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	
	NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC...	629.4	568.7	661.4	665.8	672.5	490.5	430.5	518.2	522.6	528.7	
301	Tires and inner tubes	118.2	58.2	121.8	122.3	122.8	85.9	27.3	90.3	90.9	91.5	
302,3,6	Other rubber products	164.2	159.5	171.1	171.5	172.6	128.9	124.1	134.3	134.7	135.4	
302	Rubber footwear	23.0	20.2	20.9	20.5	—	19.6	16.7	18.0	17.8	—	
307	Miscellaneous plastics products	347.0	351.0	368.5	372.0	377.1	275.7	279.1	293.6	297.0	301.8	
31	LEATHER AND LEATHER PRODUCTS	277.9	280.0	264.8	265.9	268.3	240.1	242.4	226.9	227.7	229.2	
311	Leather tanning and finishing	25.3	25.2	23.5	23.5	23.3	21.9	21.9	20.1	20.1	19.9	
314	Footwear, except rubber	174.7	176.8	163.1	164.9	167.1	152.9	155.3	142.0	143.8	145.8	
312,3,5-7,9	Other leather products	77.9	78.0	78.2	77.5	77.9	65.3	65.2	64.8	63.8	63.5	
316	Luggage	18.1	18.4	18.3	18.5	—	14.5	14.6	14.7	14.8	—	
317	Handbags and personal leather goods	35.8	35.2	36.1	34.4	—	30.3	29.7	30.1	28.2	—	
—	TRANSPORTATION AND PUBLIC UTILITIES	4,474	4,494	4,522	4,531	4,569	3,834	3,847	3,851	3,855	3,889	
40	RAILROAD TRANSPORTATION	520.2	526.6	523.4	531.0	—	—	—	—	—	—	
4011	Class I railroads ²	481.7	488.1	486.7	493.7	—	—	—	—	—	—	
	LOCAL AND INTERURBAN PASSENGER TRANSIT	271.0	274.8	274.3	266.0	—	—	—	—	—	—	
411	Local and suburban transportation	69.6	68.0	70.3	68.1	—	64.2	62.5	65.7	63.5	—	
412	Taxicabs	79.3	78.0	75.7	74.3	—	—	—	—	—	—	
413	Intercity highway transportation	38.0	38.4	37.3	37.2	—	34.2	34.4	33.7	33.4	—	
42	TRUCKING AND WAREHOUSING	1,083.3	1,077.0	1,101.9	1,105.3	—	966.3	957.7	975.6	977.7	—	
421,3	Trucking and trucking terminals	1,000.4	993.8	1,009.3	1,015.7	—	895.9	887.0	896.0	901.2	—	
422	Public warehousing	82.9	83.2	92.6	89.6	—	70.4	70.7	79.6	76.5	—	
45	TRANSPORTATION BY AIR	365.2	367.0	372.9	374.9	—	—	—	—	—	—	
451,2	Air transportation	330.7	332.6	337.3	339.2	—	—	—	—	—	—	
46	PIPELINE TRANSPORTATION	16.4	16.4	16.5	16.4	—	12.2	12.1	12.1	12.0	—	
44,47	OTHER TRANSPORTATION AND SERVICES	338.4	348.4	344.4	347.9	—	—	—	—	—	—	
44	WATER TRANSPORTATION	192.9	201.7	191.6	194.0	—	—	—	—	—	—	
47	TRANSPORTATION SERVICES	145.5	146.7	152.8	153.9	—	—	—	—	—	—	
48	COMMUNICATION	1,147.0	1,149.6	1,153.1	1,153.3	—	880.6	883.8	883.3	882.5	—	
481	Telephone communication	942.8	943.8	939.8	939.4	—	717.1	716.7	710.3	709.3	—	
482	Telegraph communication ³	17.2	17.2	17.6	17.9	—	12.6	12.6	14.4	14.8	—	
483	Radio and television broadcasting	153.5	154.9	160.3	160.4	—	122.0	124.3	127.9	127.6	—	
49	ELECTRIC, GAS, AND SANITARY SERVICES	732.0	734.3	735.0	736.3	—	611.4	613.4	607.3	608.0	—	
491	Electric companies and systems	315.4	316.8	315.5	316.1	—	260.9	262.0	258.7	259.2	—	
492	Gas companies and systems	158.4	158.6	155.7	154.9	—	130.3	130.6	127.9	127.2	—	
493	Combination companies and systems	192.5	192.7	194.2	194.3	—	164.1	164.3	160.9	160.7	—	
494-7	Water, steam, and sanitary systems	65.7	66.2	69.6	71.0	—	56.1	56.5	59.8	60.9	—	
—	WHOLESALE AND RETAIL TRADE	17,490	17,606	17,799	18,017	18,155	15,446	15,564	15,694	15,892	16,023	
50	WHOLESALE TRADE	4,212	4,228	4,310	4,327	4,339	3,481	3,496	3,562	3,571	3,581	
501	Motor vehicles and automotive equipment	375.4	379.6	384.9	388.1	—	306.0	309.8	315.3	317.3	—	
502	Drugs, chemicals, and allied products	239.1	240.2	243.4	243.5	—	190.5	190.9	192.3	193.0	—	
503	Dry goods and apparel	154.9	156.5	159.6	159.5	—	121.6	121.9	122.7	122.6	—	
504	Groceries and related products	606.0	605.3	610.2	615.0	—	526.8	526.7	528.9	530.3	—	
506	Electrical goods	317.9	317.3	322.3	323.1	—	268.5	267.9	273.9	272.5	—	
507	Hardware; plumbing and heating equipment	183.1	183.9	188.7	190.6	—	151.6	152.9	156.5	158.1	—	
508	Machinery, equipment, and supplies	880.0	883.2	911.6	917.1	—	724.2	727.5	753.5	757.2	—	
509	Miscellaneous wholesalers	1,349.0	1,355.7	1,376.7	1,379.9	—	1,104.3	1,111.7	1,127.2	1,130.4	—	
52-59	RETAIL TRADE	13,278	13,378	13,489	13,690	13,816	11,965	12,068	12,132	12,321	21,442	
53	Retail General Merchandise	2,438.1	2,445.5	2,424.1	2,445.6	—	2,234.3	2,243.5	2,226.1	2,248.6	—	
531	Department stores	1,649.5	1,653.3	1,655.1	1,675.1	—	1,520.3	1,526.6	1,532.1	1,553.2	—	
532	Mail order houses	112.7	110.9	106.9	104.3	—	105.0	103.1	101.2	98.9	—	
533	Variety stores	304.2	304.3	298.1	299.8	—	284.2	284.4	277.5	278.8	—	
54	FOOD STORES	2,036.7	2,052.1	2,099.6	2,091.1	—	1,886.3	1,900.9	1,940.8	1,932.2	—	
541-3	Grocery, meat, and vegetable stores	1,853.6	1,868.6	1,909.6	1,898.3	—	1,716.8	1,730.8	1,765.2	1,753.8	—	

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					
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977P	May 1977P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977P	May 1977P	
—	WHOLESALE AND RETAIL TRADE—Continued											
56	APPAREL AND ACCESSORY STORES	807.7	794.1	798.7	808.5	—	707.4	695.0	690.5	698.5	—	
561	Men's and boys' clothing and furnishings	138.9	137.9	139.0	139.2	—	120.9	120.0	119.9	120.1	—	
562	Women's ready-to-wear stores	299.2	296.8	292.9	292.1	—	263.2	261.6	255.2	253.2	—	
565	Family clothing stores	124.6	124.8	124.7	125.2	—	113.2	113.6	111.5	111.7	—	
566	Shoe stores	173.0	162.1	167.5	176.9	—	146.7	135.8	139.0	148.3	—	
57	FURNITURE AND HOME FURNISHINGS STORES	523.9	526.3	541.1	540.4	—	442.2	444.7	455.0	453.2	—	
571	Furniture and home furnishings	319.5	319.9	323.1	322.7	—	272.3	272.5	274.1	272.8	—	
58	EATING AND DRINKING PLACES	3,601.9	3,665.7	3,692.0	3,828.0	—	3,359.4	3,422.1	3,446.0	3,575.3	—	
52,55,59	OTHER RETAIL TRADE	3,869.8	3,893.8	3,933.4	3,976.4	—	3,335.8	3,361.3	3,373.4	3,412.9	—	
52	Building materials and farm equipment	619.9	629.9	625.2	639.5	—	528.8	538.1	531.3	544.6	—	
55	Automotive dealers and service stations	1,735.8	1,741.2	1,753.5	1,762.6	—	—	—	—	—	—	
551,2	Motor vehicle dealers	779.1	781.6	802.1	803.5	—	649.4	652.3	668.2	668.7	—	
553,9	Other automotive and accessory dealers	328.4	332.8	327.1	339.4	—	276.2	280.8	275.9	286.1	—	
554	Gasoline service stations	628.3	626.8	624.3	619.7	—	—	—	—	—	—	
59	Miscellaneous retail stores	1,514.1	1,522.7	1,554.7	1,574.3	—	—	—	—	—	—	
591	Drug stores and proprietary stores	471.6	473.1	476.0	475.8	—	420.7	421.9	422.5	422.7	—	
594	Book and stationery stores	80.4	79.8	82.4	82.2	—	68.6	67.9	69.8	69.7	—	
596	Farm and garden supply stores	143.2	143.4	145.6	150.8	—	—	—	—	—	—	
598	Fuel and ice dealers	100.3	97.2	102.8	98.5	—	85.1	81.9	87.2	83.4	—	
—	FINANCE, INSURANCE, AND REAL ESTATE⁴	4,276	4,278	4,422	4,446	4,473	3,260	3,260	3,362	3,381	3,407	
60	Banking	1,285.3	1,289.7	1,321.9	1,323.4	—	1,012.9	1,015.8	1,031.6	1,032.2	—	
61	Credit agencies other than banks	457.3	457.2	486.0	490.0	—	349.8	350.1	374.4	377.6	—	
612	Savings and loan associations	181.3	182.4	199.7	202.0	—	145.4	146.5	159.3	161.2	—	
614	Personal credit institutions	194.9	193.4	200.8	202.1	—	—	—	—	—	—	
62	Security, commodity brokers and services	176.1	176.9	180.7	182.5	—	144.1	144.0	147.4	149.1	—	
63	Insurance carriers	1,104.1	1,106.5	1,133.6	1,132.7	—	744.2	745.7	768.6	767.0	—	
631	Life insurance	514.9	514.9	517.0	516.5	—	295.6	295.2	294.5	293.3	—	
632	Accident and health insurance	120.7	121.2	123.7	123.6	—	99.4	99.9	101.5	101.5	—	
633	Fire, marine, and casualty insurance	408.9	410.1	427.8	426.5	—	300.2	301.0	318.8	317.5	—	
64	Insurance agents, brokers, and service	338.1	340.6	357.4	358.6	—	—	—	—	—	—	
65	Real estate	799.3	791.1	828.0	843.8	—	—	—	—	—	—	
655	Subdividers and developers	113.1	120.4	109.8	116.2	—	—	—	—	—	—	
656	Operative builders	54.9	55.4	61.3	62.8	—	—	—	—	—	—	
66,67	Other finance, insurance, and real estate	115.6	116.2	114.6	114.6	—	—	—	—	—	—	
—	SERVICES	14,536	14,654	15,028	15,171	15,293	13,100	13,207	13,500	13,623	13,713	
70	Hotels and other lodging places	1,012.8	1,046.9	1,031.6	1,048.9	—	—	—	—	—	—	
701	Hotels, tourist courts, and motels	848.4	880.1	828.9	848.2	—	784.8	815.2	766.1	783.3	—	
72	Personal services	822.6	828.5	801.6	804.9	—	—	—	—	—	—	
721	Laundries and dry cleaning plants	350.4	352.2	345.6	347.0	—	313.7	315.3	308.6	310.1	—	
722	Photographic studios	43.2	43.0	39.1	38.9	—	37.7	37.6	35.0	34.7	—	
73	Miscellaneous business services	2,074.9	2,088.4	2,193.7	2,205.0	—	—	—	—	—	—	
731	Advertising	122.9	124.2	131.5	132.6	—	—	—	—	—	—	
732	Credit reporting and collection	79.6	81.1	85.4	86.1	—	—	—	—	—	—	
734	Services to buildings	405.8	410.4	421.9	424.0	—	—	—	—	—	—	
76	Miscellaneous repair services	215.7	216.8	226.8	224.9	—	—	—	—	—	—	
78	Motion pictures	199.4	202.8	197.7	198.9	—	—	—	—	—	—	
781	Motion picture filming and distributing	59.2	60.9	65.3	59.1	—	44.0	44.3	51.6	48.3	—	
782,3	Motion picture theaters and services	140.2	141.9	132.4	139.8	—	—	—	—	—	—	
80	Medical and other health services	4,375.9	4,404.8	4,624.3	4,642.6	—	—	—	—	—	—	
806	Hospitals	2,363.3	2,372.6	2,460.7	2,465.2	—	2,157.9	2,166.4	2,246.3	2,243.1	—	
81	Legal services	356.0	357.8	389.6	391.2	—	—	—	—	—	—	
82	Educational services	1,333.5	1,306.0	1,371.6	1,362.7	—	—	—	—	—	—	
821	Elementary and secondary schools	423.5	423.3	443.5	442.2	—	—	—	—	—	—	
822	Colleges and universities	737.2	709.7	738.5	730.4	—	—	—	—	—	—	
89	Miscellaneous services	893.4	888.2	954.6	955.9	—	—	—	—	—	—	
891	Engineering and architectural services	401.5	404.8	432.0	436.3	—	—	—	—	—	—	
892	Nonprofit research agencies	147.9	148.0	160.8	160.6	—	—	—	—	—	—	

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. p 1977	May p 1977	Apr. 1976	May 1976	Mar. 1977	Apr. p 1977	May p 1977
—	GOVERNMENT	15,153	15,147	15,315	15,294	15,304	—	—	—	—	—
91	FEDERAL GOVERNMENT ⁵	2,730	2,735	2,714	2,716	2,722	—	—	—	—	—
	Executive	2,681.2	2,686.0	2,662.8	2,664.0	—	—	—	—	—	
	Department of Defense	930.7	930.2	918.4	917.4	—	—	—	—	—	
	Postal Service	670.3	670.6	652.3	650.7	—	—	—	—	—	
	Other agencies	1,080.2	1,085.2	1,092.1	1,095.9	—	—	—	—	—	
	Legislative	37.9	38.1	39.0	39.4	—	—	—	—	—	
	Judicial	11.0	11.1	12.1	12.3	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	12,423	12,412	12,601	12,578	12,582	—	—	—	—	
92	State government	3,293.5	3,257.4	3,382.7	3,385.9	—	—	—	—	—	
	State education	1,438.5	1,402.4	1,474.6	1,477.4	—	—	—	—	—	
	Other State government	1,855.0	1,855.0	1,908.1	1,908.5	—	—	—	—	—	
93	Local government	9,129.0	9,154.7	9,218.4	9,192.0	—	—	—	—	—	
	Local education	5,224.0	5,215.1	5,322.4	5,295.0	—	—	—	—	—	
	Other local government	3,905.0	3,939.6	3,896.0	3,897.0	—	—	—	—	—	

¹ Data relate to production and related 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 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
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:															
Jan. ..	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
Feb. ..	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
Mar. ..	123.6	103.2	137.4	117.2	99.8	134.8	107.2	133.7	123.5	137.2	138.1	150.0	131.9	100.2	141.8
Apr. ..	123.9	103.8	138.2	119.5	100.2	134.9	107.2	133.7	123.9	137.2	138.3	150.2	132.0	100.0	142.1
May P..	124.2	104.2	138.5	112.0	100.5	135.1	107.4	133.9	124.0	137.3	138.8	150.5	132.3	99.9	142.4

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.p	May p
TOTAL	79,319	79,368	79,513	79,618	79,918	79,819	80,106	80,344	80,561	80,824	81,395	81,605	81,792
GOODS-PRODUCING	23,381	23,357	23,344	23,310	23,463	23,323	23,489	23,508	23,589	23,701	24,005	24,163	24,244
MINING	776	781	791	752	798	800	805	808	817	823	842	847	849
CONTRACT CONSTRUCTION	3,605	3,592	3,608	3,579	3,565	3,582	3,619	3,605	3,561	3,645	3,759	3,835	3,848
MANUFACTURING	19,000	18,984	18,945	18,979	19,100	18,941	19,065	19,095	19,211	19,233	19,404	19,481	19,547
DURABLE GOODS	11,062	11,059	11,034	11,083	11,146	11,018	11,128	11,158	11,236	11,230	11,370	11,392	11,445
Ordnance and accessories	160	158	156	157	156	155	156	156	156	156	156	158	157
Lumber and wood products	601	601	605	605	613	613	621	626	625	626	633	637	651
Furniture and fixtures	496	493	490	486	495	491	491	493	494	497	503	506	506
Stone, clay, and glass products	627	628	631	628	630	630	636	629	631	620	641	650	649
Primary metal industries	1,193	1,200	1,206	1,215	1,216	1,194	1,186	1,182	1,183	1,178	1,199	1,207	1,214
Fabricated metal products	1,392	1,390	1,387	1,394	1,404	1,387	1,396	1,404	1,413	1,416	1,432	1,433	1,444
Machinery, except electrical	2,068	2,069	2,084	2,090	2,115	2,078	2,106	2,107	2,125	2,134	2,142	2,138	2,160
Electrical equipment and supplies	1,837	1,837	1,815	1,843	1,848	1,849	1,860	1,863	1,874	1,888	1,906	1,916	1,927
Transportation equipment	1,747	1,743	1,728	1,737	1,737	1,695	1,749	1,766	1,790	1,766	1,808	1,798	1,801
Instruments and related products	512	513	512	510	512	511	514	517	521	524	526	525	525
Miscellaneous manufacturing	429	427	420	418	420	415	413	415	424	425	424	424	421
NONDURABLE GOODS	7,938	7,925	7,911	7,896	7,954	7,923	7,937	7,937	7,975	8,003	8,034	8,089	8,102
Food and kindred products	1,712	1,718	1,719	1,715	1,711	1,706	1,711	1,710	1,721	1,727	1,734	1,738	1,720
Tobacco manufactures	76	75	80	78	76	76	75	75	74	73	68	74	74
Textile mill products	977	973	970	969	971	961	960	957	958	964	973	981	987
Apparel and other textile products	1,321	1,320	1,299	1,292	1,281	1,273	1,276	1,271	1,278	1,280	1,283	1,288	1,295
Paper and allied products	679	678	680	679	681	677	680	680	684	688	688	698	703
Printing and publishing	1,079	1,077	1,082	1,082	1,086	1,087	1,089	1,089	1,090	1,095	1,097	1,098	1,106
Chemicals and allied products	1,034	1,029	1,037	1,040	1,035	1,032	1,038	1,041	1,044	1,050	1,051	1,057	1,058
Petroleum and coal products	203	202	201	202	202	202	203	204	205	205	207	210	208
Rubber and plastics products, nec	578	577	572	572	643	645	642	647	656	656	666	678	683
Leather and leather products	279	276	271	267	268	264	263	263	265	265	267	267	268
SERVICE-PRODUCING	55,938	56,011	56,169	56,308	56,455	56,496	56,617	56,836	56,972	57,123	57,390	57,442	57,548
TRANSPORTATION AND PUBLIC UTILITIES	4,503	4,482	4,508	4,501	4,528	4,506	4,519	4,553	4,549	4,553	4,568	4,568	4,578
WHOLESALE AND RETAIL TRADE ..	17,663	17,664	17,737	17,764	17,839	17,824	17,808	17,898	17,981	18,067	18,189	18,194	18,214
WHOLESALE TRADE	4,258	4,254	4,271	4,272	4,283	4,292	4,291	4,304	4,323	4,334	4,354	4,366	4,370
RETAIL TRADE	13,405	13,410	13,466	13,492	13,556	13,532	13,517	13,594	13,658	13,733	13,835	13,828	13,844
FINANCE, INSURANCE, AND REAL ESTATE	4,282	4,301	4,312	4,312	4,338	4,359	4,381	4,403	4,423	4,431	4,453	4,459	4,477
SERVICES	14,567	14,610	14,664	14,751	14,798	14,819	14,873	14,936	15,010	15,068	15,149	15,171	15,202
Hotels and other lodging places	1,056	1,044	1,060	1,061	1,068	1,069	1,071	1,090	1,099	1,084	1,090	1,090	-
Personal services	824	822	823	823	817	814	809	808	808	807	809	808	-
Medical and other health services	4,409	4,439	4,417	4,476	4,505	4,519	4,548	4,577	4,584	4,603	4,629	4,652	-
Educational services	1,225	1,248	1,248	1,252	1,266	1,283	1,277	1,271	1,269	1,282	1,288	1,289	-
GOVERNMENT	14,923	14,954	14,948	14,980	14,952	14,988	15,036	15,046	15,009	15,004	15,031	15,050	15,077
FEDERAL	2,730	2,728	2,723	2,732	2,728	2,730	2,734	2,720	2,721	2,721	2,725	2,719	2,717
STATE AND LOCAL	12,193	12,226	12,225	12,248	12,224	12,258	12,302	12,326	12,288	12,283	12,306	12,331	12,360

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. p	May p
TOTAL	52,998	53,007	53,104	53,151	53,474	53,309	53,498	53,672	53,813	54,065	54,534	54,692	54,849
GOODS-PRODUCING	17,141	17,101	17,085	17,029	17,180	17,032	17,172	17,158	17,190	17,287	17,568	17,726	17,827
MINING	588	592	599	561	605	605	612	613	609	617	637	638	637
CONTRACT CONSTRUCTION	2,860	2,844	2,868	2,841	2,826	2,852	2,885	2,854	2,780	2,860	2,973	3,056	3,070
MANUFACTURING	13,693	13,665	13,618	13,627	13,749	13,575	13,675	13,691	13,801	13,810	13,958	14,032	14,120
DURABLE GOODS	7,916	7,905	7,878	7,911	7,975	7,833	7,929	7,955	8,026	8,011	8,128	8,153	8,221
Ordnance and accessories	73	72	71	71	70	69	69	70	70	70	69	72	75
Lumber and wood products	503	504	507	507	515	515	522	528	529	531	538	542	547
Furniture and fixtures	408	405	401	398	408	403	403	406	403	408	413	417	417
Stone, clay, and glass products	500	501	503	499	503	501	506	500	501	488	510	518	517
Primary metal industries	938	943	952	956	959	934	926	923	923	917	938	944	955
Fabricated metal products	1,052	1,049	1,045	1,051	1,062	1,044	1,051	1,059	1,069	1,071	1,083	1,085	1,095
Machinery, except electrical	1,342	1,336	1,347	1,350	1,370	1,329	1,357	1,358	1,373	1,378	1,384	1,380	1,409
Electrical equipment and supplies	1,218	1,218	1,199	1,222	1,224	1,224	1,232	1,231	1,237	1,250	1,265	1,274	1,286
Transportation equipment	1,241	1,236	1,219	1,228	1,230	1,186	1,236	1,251	1,278	1,251	1,281	1,275	1,275
Instruments and related products	312	313	314	311	312	311	312	315	318	320	321	321	321
Miscellaneous manufacturing	329	328	320	318	322	317	315	314	325	327	326	325	324
NONDURABLE GOODS	5,777	5,760	5,740	5,716	5,774	5,742	5,746	5,736	5,775	5,799	5,830	5,879	5,899
Food and kindred products	1,167	1,172	1,177	1,168	1,164	1,159	1,161	1,156	1,169	1,175	1,183	1,188	1,176
Tobacco manufactures	63	62	67	65	63	63	63	62	60	60	56	60	59
Textile mill products	855	850	847	845	848	838	835	833	835	840	848	856	862
Apparel and other textile products	1,139	1,138	1,115	1,109	1,100	1,091	1,093	1,089	1,096	1,098	1,100	1,105	1,113
Paper and allied products	516	517	516	514	515	512	515	514	517	517	517	524	530
Printing and publishing	632	630	630	629	632	632	632	631	631	635	635	637	643
Chemicals and allied products	592	587	591	595	589	588	590	590	594	601	602	608	613
Petroleum and coal products	132	130	130	130	130	131	132	132	133	132	135	137	135
Rubber and plastics products, nec	439	436	433	432	504	502	501	505	513	514	525	535	539
Leather and leather products	242	238	234	229	229	226	224	224	227	227	229	229	229
SERVICE-PRODUCING	35,857	35,906	36,019	36,122	36,294	36,277	36,326	36,514	36,623	36,778	36,966	36,966	37,022
TRANSPORTATION AND PUBLIC UTILITIES	3,859	3,840	3,859	3,854	3,877	3,856	3,861	3,900	3,882	3,878	3,890	3,890	3,901
WHOLESALE AND RETAIL TRADE ..	15,620	15,623	15,668	15,700	15,771	15,761	15,734	15,792	15,876	15,974	16,071	16,069	16,093
WHOLESALE TRADE	3,528	3,523	3,532	3,534	3,547	3,554	3,553	3,562	3,572	3,584	3,602	3,611	3,614
RETAIL TRADE	12,092	12,100	12,136	12,166	12,224	12,207	12,181	12,230	12,304	12,390	12,469	12,458	12,479
FINANCE, INSURANCE, AND REAL ESTATE	3,263	3,280	3,288	3,289	3,309	3,325	3,345	3,364	3,374	3,382	3,396	3,398	3,410
SERVICES	13,115	13,163	13,204	13,279	13,337	13,335	13,386	13,458	13,491	13,544	13,609	13,609	13,618

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	78.2
October	39.0	59.9	70.1	75.0p
November	64.2	53.8	69.8	75.9p
December	68.3	75.9	76.7	
1977				
January	71.5	76.7	89.2p	
February	61.6	84.6	86.6p	
March	79.7	83.1p		
April	70.9p	80.2p		
May	64.2p			
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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
1 ALABAMA	1,200.0	1,227.8	1,241.3	13.6	15.1	15.0	68.1	65.0	66.4	338.4	347.3	351.7
2 Birmingham	319.8	324.3	327.0	8.3	8.6	8.6	19.3	19.2	20.1	66.5	65.8	66.9
3 Huntsville	104.2	104.4	104.8	(1)	(1)	(1)	3.7	3.3	3.5	28.7	30.4	30.5
4 Mobile	130.3	133.3	134.1	(1)	(1)	(1)	11.2	10.2	10.4	24.3	26.3	26.6
5 Montgomery	89.1	89.6	89.9	(1)	(1)	(1)	6.0	5.5	5.6	13.7	14.0	14.2
6 Tuscaloosa	48.0	47.4	47.8	.7	.8	.8	3.0	3.0	3.1	10.7	10.4	10.5
7 ALASKA	168.3	154.7	158.4	3.7	5.1	5.0	29.8	21.7	22.0	9.0	9.3	10.7
8 ARIZONA ²	757.5	784.9	786.7	23.8	25.3	25.3	40.6	44.2	45.3	103.9	109.2	109.7
9 Phoenix ²	449.0	469.1	469.5	.5	.5	.5	23.0	26.0	26.5	76.1	80.7	81.0
10 Tucson ²	148.9	151.4	152.1	7.3	8.2	8.1	9.2	9.3	9.5	12.2	12.8	12.9
11 ARKANSAS	654.3	677.3	685.8	4.6	5.2	5.1	33.1	32.8	35.1	192.3	204.1	206.0
12 Fayetteville—Springdale	52.1	54.4	55.3	(1)	(1)	(1)	2.4	3.0	2.9	15.5	16.2	16.6
13 Fort Smith	59.3	61.2	62.4	.4	.5	.5	2.6	2.3	2.4	21.8	22.7	23.1
14 Little Rock—North Little Rock	155.1	161.1	162.1	(1)	(1)	(1)	7.9	8.9	9.4	27.9	29.8	30.0
15 Pine Bluff	26.7	27.1	27.1	(1)	(1)	(1)	1.1	1.0	1.1	5.8	5.9	5.8
16 CALIFORNIA	8,036.4	8,327.8	8,382.4	33.9	35.2	35.5	303.9	336.3	345.0	1,624.0	1,665.2	1,667.9
17 Anaheim—Santa Ana—Garden Grove	593.2	625.7	633.6	2.0	1.8	1.9	26.5	35.5	36.4	158.0	163.7	164.3
18 Bakersfield	105.5	108.8	109.7	8.3	8.7	8.7	4.2	4.6	4.6	8.0	8.8	8.8
19 Fresno	152.2	157.0	158.6	.7	.7	.7	7.4	7.6	7.9	19.8	20.3	20.9
20 Los Angeles—Long Beach	3,079.7	3,190.1	3,201.1	11.0	11.5	11.5	95.8	97.6	98.2	788.5	812.5	812.4
21 Modesto	70.7	75.0	76.5	.1	.1	.1	4.0	4.4	4.5	15.4	15.9	16.9
22 Oxnard—Simi Valley—Ventura	117.1	118.4	118.9	2.0	2.1	2.1	4.6	4.5	4.6	17.9	17.7	17.8
23 Riverside—San Bernardino—Ontario	343.6	351.2	352.6	2.2	2.3	2.3	13.0	12.7	13.1	52.8	53.0	53.1
24 Sacramento	326.1	339.4	343.5	.3	.3	.3	13.5	13.8	14.2	22.2	22.2	23.3
25 Salinas—Seaside—Monterey	75.7	76.4	77.4	.6	.6	.6	2.7	2.9	2.9	8.9	9.4	9.7
26 San Diego	490.3	506.8	509.4	.8	.8	.8	25.7	28.0	28.5	71.6	72.6	72.6
27 San Francisco—Oakland	1,344.7	1,375.3	1,376.3	2.2	2.3	2.3	57.1	56.2	58.0	183.7	186.4	181.9
28 San Jose	485.8	500.3	503.1	.1	.1	.1	16.4	17.0	17.5	158.7	163.2	162.7
29 Santa Barbara—Santa Maria—Lompoc	100.5	104.3	104.8	1.0	1.0	1.0	3.2	3.5	3.5	13.4	13.9	14.3
30 Santa Rosa	67.6	69.6	70.2	.4	.4	.4	3.4	3.4	3.7	9.5	10.0	9.7
31 Stockton	100.4	101.4	103.7	.1	.1	.1	3.5	3.5	3.7	17.5	17.3	17.9
32 Vallejo—Fairfield—Napa	83.7	85.7	86.6	.2	.2	.2	3.1	2.5	2.7	8.5	8.5	8.3
33 COLORADO ³	969.6	982.2	(*)	19.2	20.5	(*)	52.7	50.7	(*)	136.3	139.3	(*)
34 Denver—Boulder ³	614.8	622.4	(*)	7.7	8.2	(*)	34.9	34.5	(*)	92.3	95.1	(*)
35 CONNECTICUT	1,229.6	1,235.0	1,247.1	(4)	(4)	(4)	38.2	32.6	37.2	394.8	397.3	397.6
36 Bridgeport	145.9	143.7	145.3	(4)	(4)	(4)	3.8	3.3	3.6	57.1	58.6	58.7
37 Hartford	339.8	338.7	343.4	(4)	(4)	(4)	9.9	7.3	8.5	84.8	81.2	82.5
38 New Britain	52.8	54.3	55.3	(4)	(4)	(4)	1.6	1.5	1.8	24.8	26.0	26.1
39 New Haven—West Haven	172.8	169.1	171.7	(4)	(4)	(4)	5.3	4.2	4.6	44.0	42.7	42.9
40 Stamford	90.1	90.5	91.2	(4)	(4)	(4)	3.0	2.8	3.1	28.1	27.6	27.7
41 Waterbury	80.8	81.1	81.9	(4)	(4)	(4)	2.2	1.5	1.8	33.2	33.3	33.2
42 DELAWARE	237.7	234.6	235.0	(1)	(1)	(1)	14.2	13.8	14.1	69.6	67.5	67.3
43 Wilmington	207.9	205.3	205.9	(1)	(1)	(1)	12.3	12.4	12.6	65.9	63.2	63.1
44 DISTRICT OF COLUMBIA	572.7	573.8	575.4	(1)	(1)	(1)	17.2	17.1	17.4	15.5	15.5	15.5
45 Washington SMSA	1,353.8	1,366.2	1,373.9	(1)	(1)	(1)	70.1	67.9	70.4	48.8	49.2	49.3
46 FLORIDA	2,805.7	2,906.6	2,902.8	9.4	9.4	9.3	160.7	174.6	175.3	343.2	354.9	354.3
47 Fort Lauderdale—Hollywood	242.9	249.4	247.4	(1)	(1)	(1)	15.6	16.5	17.4	25.3	26.7	26.8
48 Jacksonville	258.1	258.8	259.5	(1)	(1)	(1)	14.4	14.7	14.8	29.7	28.4	28.7
49 Miami	588.2	592.1	593.6	(1)	(1)	(1)	22.9	22.4	22.8	83.4	86.4	86.0
50 Orlando	213.8	214.8	216.0	(1)	(1)	(1)	11.5	11.7	11.7	25.4	26.1	26.1
51 Pensacola	87.5	89.4	89.8	(1)	(1)	(1)	6.4	6.8	6.8	13.7	13.6	13.6
52 Tampa—St. Petersburg	425.1	428.4	428.7	(1)	(1)	(1)	28.1	26.8	27.2	57.3	58.4	57.9
53 West Palm Beach—Boca Raton	146.2	153.5	151.7	(1)	(1)	(1)	9.6	9.8	9.7	17.6	20.0	19.2
54 GEORGIA ²	1,831.5	1,899.4	1,905.3	6.9	7.3	7.2	83.4	91.0	94.8	472.6	486.0	487.9
55 Atlanta ²	744.7	756.6	(*)	(1)	(1)	(*)	32.7	34.1	(*)	120.3	121.5	(*)
56 Augusta	104.4	109.6	(*)	(1)	(1)	(*)	4.9	7.4	(*)	32.2	33.7	(*)
57 Columbus ²	74.9	74.5	75.2	(1)	(1)	(1)	4.5	3.7	4.0	19.7	20.2	20.4
58 Macon ²	92.4	92.2	92.9	(1)	(1)	(1)	4.9	4.9	5.2	16.2	15.9	16.2
59 Savannah ³	72.9	75.0	(*)	(1)	(1)	(*)	4.6	4.6	(*)	15.1	15.8	(*)
60 HAWAII ³	342.5	345.7	347.4	(1)	(1)	(1)	24.0	21.9	22.0	23.4	22.6	23.7
61 Honolulu ³	288.1	290.8	292.1	(1)	(1)	(1)	20.3	18.4	18.5	16.9	16.4	17.4

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			
APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	
61.1	64.7	65.4	242.2	248.2	252.5	51.7	53.5	53.9	173.7	179.5	180.9	251.2	254.5	255.5	1
23.6	24.6	24.7	75.7	78.4	78.5	20.2	20.8	20.8	56.2	57.1	57.1	49.0	49.8	50.3	2
2.2	2.3	2.3	19.4	19.7	19.8	2.8	2.8	2.8	15.2	15.1	15.2	32.2	30.8	30.7	3
9.7	9.9	10.2	31.9	32.7	32.8	6.0	6.1	6.2	25.9	26.2	26.1	21.3	21.9	21.8	4
4.1	4.2	4.2	20.5	20.6	20.7	5.1	5.2	5.2	16.4	16.8	16.8	23.3	23.3	23.2	5
1.8	1.8	1.8	8.6	8.3	8.4	1.5	1.5	1.5	5.0	5.0	5.1	16.7	16.6	16.6	6
15.4	14.3	14.9	27.3	26.0	26.7	6.7	7.3	7.4	28.9	25.1	25.6	47.5	45.9	46.1	7
39.0	40.1	40.2	183.2	187.8	188.1	42.4	43.5	43.6	143.9	149.9	149.9	180.7	184.9	184.6	8
23.3	24.0	24.1	118.1	122.4	122.7	32.6	33.5	33.6	87.3	91.0	90.7	88.1	91.0	90.4	9
7.6	7.5	7.6	33.7	33.5	33.5	5.9	5.9	5.9	30.3	30.8	30.8	42.7	43.4	43.8	10
37.2	37.6	37.7	139.5	143.8	146.4	27.3	29.2	29.5	93.1	96.8	97.5	127.2	127.8	128.5	11
3.0	2.9	2.8	12.0	12.7	12.9	1.8	1.8	1.9	7.1	7.3	7.4	10.3	10.5	10.5	12
3.1	3.1	3.1	12.7	13.3	13.7	2.1	2.1	2.2	9.6	10.1	10.3	7.0	7.1	7.1	13
11.1	11.0	11.0	36.3	37.0	37.1	11.1	11.9	12.0	27.6	28.5	28.7	33.2	34.0	33.9	14
3.3	3.4	3.4	5.4	5.4	5.4	1.2	1.2	1.2	4.0	4.0	4.0	5.9	6.2	6.2	15
456.0	466.7	471.2	1,838.4	1,897.9	1,913.7	463.9	484.9	487.1	1,598.6	1,670.7	1,679.1	1,717.7	1,770.9	1,782.9	16
18.3	19.3	19.5	143.7	150.7	154.0	32.5	34.8	35.2	114.5	117.8	119.9	97.7	102.1	102.4	17
6.4	6.8	6.8	26.5	26.7	27.2	3.9	3.9	3.9	17.6	17.8	18.2	30.6	31.5	31.5	18
8.4	8.6	8.7	38.5	40.9	41.2	7.7	8.0	8.0	28.0	28.9	29.1	41.7	42.0	42.1	19
170.0	174.9	176.2	701.8	731.7	737.7	187.0	193.6	194.9	637.5	673.0	672.4	488.1	495.3	497.8	20
3.2	3.2	3.3	16.6	18.5	18.7	2.0	2.1	2.1	13.0	13.4	13.4	16.4	17.4	17.5	21
4.4	4.8	4.7	27.5	27.7	28.0	4.5	4.5	4.5	20.0	20.5	20.7	36.2	36.6	36.5	22
18.8	19.3	19.5	82.0	83.8	84.1	13.2	13.6	13.7	70.8	73.5	73.3	90.8	93.0	93.5	23
16.9	17.3	17.5	72.5	77.6	78.4	14.6	15.7	15.8	56.3	58.7	59.4	129.8	133.8	134.6	24
4.3	4.3	4.3	18.9	18.9	19.3	3.3	3.3	3.3	14.9	14.8	15.1	22.1	22.2	22.2	25
22.5	23.5	23.6	112.8	117.2	118.4	26.0	27.4	27.5	99.6	103.6	104.5	131.3	133.7	133.5	26
119.5	119.0	119.3	299.9	308.0	309.3	115.7	116.6	117.1	274.7	281.9	283.2	291.9	304.9	305.0	27
18.0	18.5	18.6	95.0	99.7	100.1	19.6	20.6	20.7	101.0	103.6	105.3	77.0	77.6	78.1	28
3.3	3.4	3.4	23.2	25.1	25.3	4.4	4.4	4.4	24.4	24.9	24.9	27.6	28.1	28.0	29
3.3	3.2	3.3	16.3	17.0	17.4	3.6	3.8	3.7	12.9	13.0	13.1	18.2	18.8	18.9	30
7.0	6.8	7.0	22.8	23.3	24.0	4.0	4.1	4.1	18.9	19.5	19.9	26.6	26.8	27.0	31
4.0	4.0	4.1	15.4	15.6	15.9	2.6	2.7	2.7	14.8	15.2	15.6	35.1	37.0	37.1	32
60.1	61.3	(*)	229.1	233.2	(*)	57.9	60.0	(*)	192.1	195.5	(*)	222.2	221.7	(*)	33
40.3	40.8	(*)	152.7	154.4	(*)	43.4	44.5	(*)	124.9	126.3	(*)	118.5	118.7	(*)	34
52.9	52.9	52.9	251.2	254.8	257.5	86.4	88.2	88.9	228.1	231.0	235.1	178.1	178.2	177.9	35
5.5	5.5	5.5	29.7	28.4	29.1	6.0	5.8	5.9	26.1	24.3	24.8	17.7	17.7	17.7	36
12.5	12.8	12.9	71.2	73.3	74.1	49.7	51.1	51.3	60.8	62.0	63.2	50.9	51.0	50.9	37
1.3	1.3	1.3	8.9	9.1	9.3	1.5	1.6	1.6	8.0	8.1	8.4	6.7	6.8	6.8	38
13.9	13.6	13.7	36.2	36.3	36.5	9.5	9.7	9.7	40.1	38.8	40.6	23.8	23.9	23.8	39
3.1	3.2	3.1	20.1	20.5	20.7	5.9	6.0	6.0	19.9	19.9	20.1	9.9	10.6	10.6	40
2.9	3.0	2.9	14.3	14.7	14.9	2.6	2.8	2.8	14.4	14.9	15.3	11.1	10.9	10.9	41
12.1	12.0	12.0	52.1	50.8	51.2	11.0	11.0	11.0	37.7	38.1	38.1	41.0	41.4	41.3	42
10.6	10.6	10.6	42.6	41.9	42.2	10.0	10.0	10.0	32.9	32.9	33.3	33.6	34.3	34.1	43
28.9	28.8	28.9	64.7	65.2	65.9	33.0	32.4	32.5	146.2	148.5	149.1	267.2	266.3	266.1	44
64.6	65.2	65.3	258.9	263.3	266.9	77.0	77.7	78.2	317.1	323.6	325.4	517.3	519.3	518.4	45
180.7	186.8	186.7	735.0	761.8	758.7	188.6	189.7	190.8	631.2	648.7	646.0	556.9	580.7	581.7	46
13.9	13.4	13.4	71.6	71.7	70.1	18.5	20.7	20.9	59.4	61.1	59.7	38.6	39.3	39.1	47
21.2	20.9	20.9	68.4	69.4	69.9	26.4	26.4	26.4	47.4	48.2	48.2	50.6	50.8	50.6	48
57.4	58.8	58.5	151.9	149.1	150.7	43.3	44.1	44.3	145.7	147.6	146.8	83.6	83.7	84.5	49
11.7	11.8	11.8	59.4	59.4	60.2	13.9	14.1	14.1	55.9	55.6	56.6	36.0	36.1	35.5	50
4.2	4.4	4.4	19.5	20.9	21.0	3.6	3.6	3.6	15.5	15.7	16.0	24.6	24.4	24.4	51
26.4	26.7	26.9	121.4	121.0	121.0	29.1	29.4	29.7	92.6	95.9	95.2	70.2	70.2	70.8	52
6.7	6.8	6.7	39.5	40.5	40.3	10.9	11.3	11.3	36.7	38.6	38.3	25.2	26.5	26.2	53
115.9	119.6	120.4	413.4	431.1	429.9	97.7	99.8	100.0	273.7	288.5	289.0	367.9	376.1	376.0	54
68.0	68.6	(*)	203.4	205.3	(*)	57.4	57.7	(*)	134.1	135.5	(*)	128.8	133.8	(*)	55
3.8	3.9	(*)	18.8	18.6	(*)	3.5	3.7	(*)	14.0	14.8	(*)	27.2	27.5	(*)	56
2.9	2.9	3.0	15.5	15.4	15.2	4.5	4.6	4.6	10.0	9.9	10.1	17.9	17.8	17.9	57
4.1	4.2	4.3	17.0	16.4	16.4	5.4	5.3	5.3	14.4	15.4	15.5	30.3	30.1	30.0	58
7.2	6.6	(*)	16.9	17.5	(*)	3.6	3.7	(*)	12.0	12.6	(*)	13.5	14.2	(*)	59
25.5	25.6	25.8	85.7	87.5	87.0	23.6	24.3	24.4	73.6	76.9	76.7	86.7	86.9	87.8	60
21.5	21.6	21.8	73.1	74.7	74.1	21.3	21.9	21.9	60.5	63.3	63.1	74.5	74.5	75.3	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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
1 IDAHO	282.1	295.0	299.6	3.1	3.1	3.5	14.9	15.8	17.5	49.3	52.1	52.2
2 Boise City	65.0	67.7	67.9	(1)	(1)	(1)	4.9	4.8	4.9	6.5	6.8	6.8
3 ILLINOIS	4,462.5	4,500.0	4,533.5	26.4	26.4	27.1	164.8	152.5	165.1	1,194.1	1,212.4	1,210.7
4 Bloomington—Normal	46.6	47.4	47.9	(4)	(4)	(4)	1.0	.9	1.1	6.8	7.4	7.4
5 Champaign—Urbana—Rantoul	67.3	66.5	67.6	(4)	(4)	(4)	2.7	2.6	2.8	6.2	6.2	6.2
6 Chicago—Gary	(*)	3,274.5	(*)	(*)	(*)	(*)	(*)	108.0	(*)	(*)	917.4	(*)
7 Chicago SMSA ²	2,984.7	3,030.4	3,048.8	4.4	4.1	4.3	102.0	95.9	103.8	801.9	818.3	819.9
8 Davenport—Rock Island—Moline	150.8	152.6	153.4	(4)	(4)	(4)	6.0	5.1	5.5	47.9	50.5	50.2
9 Decatur	52.5	53.8	54.0	(4)	(4)	(4)	3.0	3.1	3.4	19.5	19.3	19.2
10 Peoria	144.5	143.0	143.8	(4)	(4)	(4)	8.1	7.8	8.3	51.0	50.2	49.8
11 Rockford	109.5	113.4	113.9	(4)	(4)	(4)	3.0	2.8	3.2	48.6	52.0	51.9
12 Springfield	78.0	76.4	77.2	(4)	(4)	(4)	3.6	3.6	4.3	8.1	6.6	6.7
13 INDIANA	1,999.6	2,015.3	2,043.6	8.3	7.3	7.8	77.5	71.5	76.9	681.3	684.9	696.9
14 Evansville	112.0	111.7	112.3	2.4	2.3	2.3	5.1	4.6	4.8	36.3	36.6	36.4
15 Fort Wayne	155.1	156.6	158.7	(1)	(1)	(1)	6.1	5.7	6.1	55.4	56.8	57.6
16 Gary—Hammond—East Chicago ²	233.0	233.9	237.5	(1)	(1)	(1)	12.1	12.0	12.8	96.2	97.6	99.1
17 Indianapolis	463.1	456.8	471.4	(1)	(1)	(1)	16.6	15.4	16.5	121.0	113.8	121.9
18 Muncie	47.3	47.9	49.3	(1)	(1)	(1)	1.5	1.6	1.8	14.9	14.8	15.0
19 South Bend	102.7	102.7	103.4	(1)	(1)	(1)	3.9	3.9	4.1	32.1	32.3	32.4
20 Terre Haute	57.6	57.2	57.5	1.1	1.1	1.1	1.9	1.7	1.8	15.4	15.2	15.0
21 IOWA ³	1,014.1	1,017.8	1,033.2	2.7	2.6	2.8	44.8	39.7	44.9	231.0	236.9	237.9
22 Cedar Rapids ³	74.5	74.5	75.0	(1)	(1)	(1)	3.1	2.5	2.7	27.1	27.5	27.6
23 Des Moines ³	156.2	157.9	158.3	(1)	(1)	(1)	6.7	6.4	6.6	24.0	24.1	23.9
24 Dubuque ³	39.2	39.9	40.7	(1)	(1)	(1)	1.1	.9	1.0	15.4	15.8	16.4
25 Sioux City ³	49.5	47.9	48.3	(1)	(1)	(1)	3.2	3.4	3.6	12.0	10.1	10.3
26 Waterloo—Cedar Falls ³	57.8	58.6	58.8	(1)	(1)	(1)	2.0	1.8	2.0	20.3	21.0	21.1
27 KANSAS	831.3	846.2	851.3	10.4	10.9	11.0	40.9	42.3	42.8	165.9	166.7	167.0
28 Topeka	78.9	78.9	79.0	.2	.2	.2	3.1	3.2	3.3	11.1	11.1	11.4
29 Wichita	171.8	174.1	175.0	1.6	1.7	1.7	8.9	9.3	10.0	51.9	52.3	52.3
30 KENTUCKY	1,105.3	1,108.0	1,127.7	46.2	46.2	47.2	53.6	52.7	59.5	271.3	271.0	276.7
31 Lexington—Fayette	128.0	132.2	134.6	(1)	(1)	(1)	6.5	6.2	6.7	28.3	30.5	29.6
32 Louisville	355.2	355.6	363.6	(1)	(1)	(1)	15.2	14.1	15.5	105.0	101.5	105.6
33 LOUISIANA	1,294.4	1,306.8	1,310.1	61.9	64.0	64.1	102.1	117.2	117.3	190.5	190.0	192.0
34 Baton Rouge	171.3	171.2	(*)	1.0	1.0	(*)	22.9	22.3	(*)	23.7	24.4	(*)
35 Lake Charles	50.8	50.1	50.1	1.6	1.6	1.6	4.8	4.9	4.9	10.9	9.2	9.3
36 Monroe	43.8	43.0	(*)	.3	.3	(*)	3.4	3.4	(*)	7.3	7.3	(*)
37 New Orleans	436.1	436.1	436.1	14.2	14.7	14.7	26.9	26.4	26.4	52.4	51.8	52.0
38 Shreveport	127.1	129.7	130.5	6.5	6.7	6.8	7.8	7.7	7.6	25.4	26.3	26.8
39 MAINE	365.6	372.4	378.0	(1)	(1)	(1)	19.4	17.5	18.8	100.0	103.4	103.3
40 Lewiston—Auburn	31.0	32.2	32.9	(1)	(1)	(1)	1.1	1.1	1.1	11.7	12.4	12.6
41 Portland	79.6	81.1	82.0	(1)	(1)	(1)	3.8	3.4	3.6	16.0	15.7	15.7
42 MARYLAND	1,491.0	1,511.1	1,523.8	1.7	1.7	1.7	88.9	88.2	91.8	230.2	231.6	234.0
43 Baltimore	848.7	855.5	862.1	(1)	(1)	(1)	42.1	41.7	44.2	162.0	160.6	163.3
44 MASSACHUSETTS	2,299.9	2,324.1	2,351.2	(1)	(1)	(1)	71.1	60.5	68.1	592.9	604.4	607.3
45 Boston	1,259.9	1,261.9	1,267.3	(1)	(1)	(1)	40.6	35.6	38.3	253.6	257.4	257.8
46 Brockton ²	49.7	50.1	50.9	-	-	-	1.4	1.2	1.4	11.6	11.9	12.0
47 Fall River ²	51.4	50.3	51.7	(1)	(1)	(1)	1.5	1.0	1.4	21.2	20.3	20.5
48 Lawrence—Haverhill ²	95.7	94.8	95.8	(1)	(1)	(1)	2.4	2.0	2.3	37.5	36.4	36.6
49 Lowell ²	61.7	61.6	62.3	(1)	(1)	(1)	2.2	1.9	2.2	20.8	21.2	21.3
50 New Bedford ²	59.2	59.6	60.9	(1)	(1)	(1)	1.5	1.3	1.5	24.0	24.8	24.7
51 Springfield—Chicopee—Holyoke ²	211.7	212.7	215.1	(1)	(1)	(1)	5.0	4.3	4.9	62.1	62.1	62.9
52 Worcester ²	144.9	147.2	148.2	(1)	(1)	(1)	3.8	3.1	3.6	42.8	44.9	44.9
53 MICHIGAN	(*)	3,337.0	(*)	(*)	10.5	(*)	(*)	98.7	(*)	(*)	1,091.1	(*)
54 Ann Arbor	(*)	122.5	(*)	(*)	(1)	(*)	(*)	2.0	(*)	(*)	39.7	(*)
55 Battle Creek	(*)	63.7	(*)	(*)	(1)	(*)	(*)	1.0	(*)	(*)	23.1	(*)
56 Bay City	(*)	33.4	(*)	(*)	(1)	(*)	(*)	1.0	(*)	(*)	10.2	(*)
57 Detroit	(*)	1,655.2	(*)	(*)	1.1	(*)	(*)	49.1	(*)	(*)	563.2	(*)
58 Flint	(*)	185.5	(*)	(*)	(1)	(*)	(*)	4.6	(*)	(*)	81.2	(*)
59 Grand Rapids	(*)	231.5	(*)	(*)	(1)	(*)	(*)	8.0	(*)	(*)	80.0	(*)
60 Jackson	(*)	49.1	(*)	(*)	(1)	(*)	(*)	.9	(*)	(*)	15.3	(*)
61 Kalamazoo—Portage	(*)	102.8	(*)	(*)	(1)	(*)	(*)	3.3	(*)	(*)	34.6	(*)
62 Lansing—East Lansing	(*)	176.2	(*)	(*)	(1)	(*)	(*)	3.7	(*)	(*)	40.4	(*)
63 Muskegon—Norton Shores—Musk. Hgts.	(*)	58.7	(*)	(*)	(1)	(*)	(*)	2.2	(*)	(*)	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			
APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	
16.7	17.6	17.8	71.6	75.6	76.8	15.0	16.3	16.4	47.4	49.7	49.8	64.1	64.8	65.6	1
3.9	4.1	4.2	17.7	18.1	18.2	5.1	5.4	5.5	11.2	11.7	11.7	15.8	16.8	16.6	2
271.7	272.8	275.1	1,025.2	1,037.7	1,047.1	255.9	259.0	260.9	796.6	810.5	818.9	727.8	728.7	728.6	3
3.0	3.0	3.0	10.3	10.8	10.9	6.4	6.6	6.7	7.3	7.0	7.2	11.7	11.6	11.6	4
2.5	2.6	2.5	14.3	14.3	15.0	2.0	2.0	2.0	9.3	9.5	9.6	30.3	29.4	29.4	5
(*)	199.1	(*)	(*)	774.2	(*)	(*)	204.4	(*)	(*)	616.4	(*)	(*)	450.9	(*)	6
185.6	185.0	186.0	704.1	735.8	737.8	193.6	195.7	196.7	572.8	583.0	588.8	420.2	412.6	411.6	7
7.6	7.5	7.5	37.0	37.3	37.7	6.4	6.3	6.3	20.2	20.3	20.4	25.9	25.7	25.7	8
3.9	4.2	4.2	9.7	10.3	10.4	2.1	2.3	2.3	9.0	9.3	9.3	5.3	5.3	5.2	9
7.5	7.7	7.8	31.6	31.7	32.1	6.6	6.8	6.8	23.6	24.3	24.6	16.2	14.5	14.4	10
4.4	4.8	4.8	22.3	22.3	22.6	3.4	3.2	3.2	15.8	16.3	16.2	12.1	12.0	12.0	11
5.0	5.2	5.2	15.5	15.0	15.1	6.6	6.6	6.6	13.0	13.9	13.9	26.1	25.5	25.5	12
100.5	101.4	102.1	430.3	433.8	441.8	89.7	90.8	91.0	281.4	285.9	288.5	330.7	339.6	338.7	13
6.0	6.0	6.1	25.9	25.7	26.2	3.8	3.8	3.9	20.5	20.6	20.6	12.0	12.1	12.0	14
9.8	10.0	10.1	36.4	36.3	36.8	8.8	9.1	9.1	23.3	23.3	23.6	15.3	15.4	15.4	15
13.9	14.0	14.1	42.7	42.3	43.3	7.7	7.8	7.9	30.6	30.7	31.0	29.8	29.5	29.3	16
28.2	28.5	28.8	110.8	111.5	113.4	32.6	32.8	32.9	71.4	72.1	73.7	82.5	82.7	84.2	17
1.9	1.9	1.9	10.3	10.7	11.5	1.5	1.4	1.4	6.6	6.7	6.9	10.6	10.8	10.8	18
4.8	5.0	5.0	23.6	23.7	24.1	5.4	4.7	4.7	21.0	21.2	21.3	11.9	11.9	11.8	19
4.1	3.9	3.9	13.6	13.7	13.9	1.8	1.9	1.9	8.2	8.1	8.2	11.5	11.6	11.7	20
54.6	53.9	54.5	250.4	251.7	256.5	47.0	47.8	48.2	182.9	183.7	186.8	200.7	201.4	201.6	21
3.6	3.6	3.6	15.4	15.2	15.3	3.5	3.6	3.6	12.8	13.0	13.0	9.1	9.1	9.3	22
10.6	10.3	10.4	39.3	40.5	40.6	17.3	17.6	17.7	30.4	31.5	31.8	27.9	27.5	27.4	23
1.6	1.6	1.6	8.0	8.2	8.3	1.1	1.1	1.1	8.5	8.7	8.8	3.5	3.5	3.5	24
3.6	3.5	3.4	11.9	11.9	11.9	2.5	2.4	2.4	10.0	10.1	10.0	6.3	6.5	6.5	25
2.3	2.2	2.2	12.4	12.5	12.4	1.6	1.6	1.6	8.8	8.8	8.9	10.4	10.7	10.6	26
56.1	56.6	56.7	203.0	204.6	206.6	39.8	41.1	41.4	140.3	145.5	147.5	174.9	178.5	178.3	27
7.2	6.9	7.0	16.9	17.0	17.0	5.5	5.6	5.6	14.0	14.2	14.2	21.0	20.7	20.3	28
8.8	8.8	8.8	38.0	37.6	37.9	8.7	9.0	9.0	31.8	32.0	31.8	22.3	23.4	23.5	29
59.7	61.2	61.4	230.4	232.1	234.9	42.9	43.3	43.7	178.0	179.1	180.9	223.2	222.4	223.4	30
5.2	5.8	5.9	28.2	30.2	31.2	5.6	5.8	5.9	23.3	23.2	24.6	30.9	30.5	30.7	31
22.0	22.4	22.6	78.4	80.0	81.2	19.3	19.9	20.1	64.1	66.1	66.8	51.2	51.6	51.7	32
101.1	101.2	101.1	300.3	291.0	293.3	61.4	60.6	61.0	221.2	224.7	224.8	255.9	258.1	256.5	33
8.3	8.4	(*)	33.7	32.9	(*)	9.4	9.5	(*)	24.6	24.4	(*)	47.7	48.3	(*)	34
3.0	3.1	3.0	11.2	11.5	11.4	2.2	2.2	2.3	8.5	8.7	8.7	8.6	8.9	8.9	35
2.3	2.3	(*)	11.3	11.2	(*)	3.0	3.1	(*)	6.6	6.6	(*)	9.6	8.8	(*)	36
44.2	44.8	44.9	110.4	111.3	111.4	26.5	26.7	26.7	90.2	91.7	91.3	69.3	68.7	68.7	37
9.9	9.3	9.5	31.9	32.7	33.0	5.8	5.9	5.9	21.1	22.2	22.2	20.6	20.9	20.7	38
17.7	17.5	17.5	76.1	77.6	80.3	14.3	14.8	14.9	61.5	62.9	64.3	76.6	78.7	78.9	39
1.2	1.1	1.1	7.0	7.2	7.5	1.3	1.4	1.4	5.8	6.0	6.2	2.9	3.0	3.0	40
4.7	4.9	4.9	20.4	21.9	22.2	6.2	6.7	6.7	15.5	15.6	15.7	13.0	12.9	13.2	41
77.9	77.9	78.7	356.4	360.3	365.1	79.3	79.8	80.4	281.4	291.0	293.6	375.2	380.6	378.5	42
54.1	54.5	54.8	192.1	194.9	196.2	48.5	48.7	48.9	157.9	161.0	161.8	192.0	194.1	192.9	43
113.0	111.3	111.3	513.4	521.1	527.9	134.8	135.1	135.7	506.8	519.7	527.9	367.9	372.0	373.0	44
68.4	66.9	66.5	290.5	293.1	293.7	92.6	93.6	94.0	321.3	324.1	325.7	192.9	191.2	191.3	45
3.5	3.8	3.7	13.7	13.7	14.1	1.7	1.8	1.8	8.1	8.3	8.4	9.7	9.4	9.5	46
1.9	1.9	1.9	10.3	10.5	11.0	2.3	2.3	2.3	8.4	8.5	8.7	5.8	5.8	5.9	47
3.5	3.5	3.4	19.5	19.1	19.5	3.4	3.6	3.5	13.6	13.8	13.9	15.8	16.4	16.6	48
3.0	3.1	3.0	13.3	13.3	13.5	1.9	1.9	1.9	9.8	9.7	9.9	10.7	10.5	10.5	49
2.7	2.6	2.7	11.7	11.4	11.9	1.8	1.7	1.7	9.8	9.8	10.4	7.7	8.0	8.0	50
8.8	8.7	8.7	44.2	43.8	44.0	10.6	10.8	10.8	37.3	38.3	39.3	43.7	44.7	44.5	51
7.0	6.7	6.6	31.3	31.6	31.9	7.9	8.1	8.1	27.8	28.4	28.7	24.3	24.4	24.4	52
(*)	144.2	(*)	(*)	678.0	(*)	(*)	137.3	(*)	(*)	555.4	(*)	(*)	621.8	(*)	53
(*)	2.1	(*)	(*)	16.9	(*)	(*)	3.4	(*)	(*)	17.6	(*)	(*)	40.8	(*)	54
(*)	2.1	(*)	(*)	10.6	(*)	(*)	3.5	(*)	(*)	11.0	(*)	(*)	12.4	(*)	55
(*)	1.8	(*)	(*)	8.4	(*)	(*)	1.1	(*)	(*)	5.8	(*)	(*)	5.1	(*)	56
(*)	78.6	(*)	(*)	324.1	(*)	(*)	80.3	(*)	(*)	299.2	(*)	(*)	259.4	(*)	57
(*)	6.0	(*)	(*)	35.7	(*)	(*)	5.3	(*)	(*)	24.6	(*)	(*)	28.1	(*)	58
(*)	9.5	(*)	(*)	53.1	(*)	(*)	8.5	(*)	(*)	42.8	(*)	(*)	29.7	(*)	59
(*)	4.4	(*)	(*)	9.7	(*)	(*)	1.5	(*)	(*)	8.7	(*)	(*)	8.6	(*)	60
(*)	3.3	(*)	(*)	19.5	(*)	(*)	3.4	(*)	(*)	17.1	(*)	(*)	21.7	(*)	61
(*)	4.2	(*)	(*)	31.3	(*)	(*)	8.2	(*)	(*)	23.7	(*)	(*)	64.7	(*)	62
(*)	3.0	(*)	(*)	10.4	(*)	(*)	1.7	(*)	(*)	8.4	(*)	(*)	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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
1 MICHIGAN—Continued												
1 Saginaw	(*)	83.2	(*)	(*)	(1)	(*)	(*)	2.0	(*)	(*)	33.8	(*)
2 MINNESOTA	1,506.2	1,510.1	1,534.0	14.5	14.1	14.3	60.5	49.9	54.1	313.2	316.3	320.2
3 Duluth—Superior	56.1	54.3	54.1	(1)	(1)	(1)	1.9	1.5	1.5	7.8	7.7	7.0
4 Minneapolis—St. Paul	906.9	916.2	927.4	(1)	(1)	(1)	31.5	29.2	31.3	205.1	207.4	209.6
5 MISSISSIPPI	724.7	745.6	751.3	6.9	7.6	7.6	38.3	42.7	43.2	217.8	221.1	223.6
6 Jackson	121.5	123.9	124.3	1.0	1.1	1.0	6.6	7.2	7.1	18.0	18.2	18.3
7 MISSOURI ³	1,746.3	1,763.5	1,776.1	8.4	7.9	8.2	66.9	64.6	68.4	413.8	425.3	427.9
8 Kansas City ³	545.4	551.5	548.1	.5	.6	.7	18.6	21.4	16.9	110.8	112.9	113.8
9 St. Joseph ³	35.5	35.8	36.1	(4)	(4)	(4)	1.7	1.8	1.9	9.4	9.6	9.9
10 St. Louis ³	904.4	907.3	915.4	2.6	2.7	2.7	39.5	35.1	36.5	238.3	247.1	247.9
11 Springfield ³	71.5	74.3	73.5	.2	.2	.2	2.5	3.1	3.1	17.4	17.7	16.3
12 MONTANA ³	240.5	(*)	(*)	5.8	(*)	(*)	11.1	(*)	(*)	21.8	(*)	(*)
13 Billings ³	39.4	(*)	(*)	(1)	(*)	(*)	2.0	(*)	(*)	3.3	(*)	(*)
14 Great Falls ³	27.3	(*)	(*)	(1)	(*)	(*)	1.4	(*)	(*)	1.7	(*)	(*)
15 NEBRASKA ³	558.6	566.9	571.5	1.5	1.5	1.6	26.3	22.6	25.4	87.1	88.9	89.5
16 Lincoln ³	89.5	91.8	92.9	—	—	—	4.3	3.4	3.7	13.3	13.9	14.1
17 Omaha ³	232.5	236.5	238.8	(4)	(4)	(4)	11.0	9.5	11.2	33.2	34.8	35.3
18 NEVADA	273.4	288.8	293.3	3.6	3.6	3.6	15.1	15.6	15.9	12.7	13.6	13.6
19 Las Vegas	149.9	159.1	160.8	.2	.2	.2	8.9	8.8	8.7	5.1	5.3	5.3
20 Reno	78.1	82.4	83.8	.3	.4	.4	4.3	4.7	4.9	5.4	5.6	5.5
21 NEW HAMPSHIRE	303.6	314.3	321.1	.4	.3	.4	12.7	11.9	14.6	93.1	96.6	97.9
22 Manchester	59.2	61.4	63.0	(4)	(4)	(4)	2.4	2.4	2.7	17.2	17.5	18.2
23 Nashua	45.1	46.5	47.5	(4)	(4)	(4)	1.4	1.7	2.0	20.7	21.3	21.5
24 NEW JERSEY	2,713.3	2,740.2	2,765.8	2.7	2.6	2.8	92.4	83.7	89.0	747.3	752.7	750.1
25 Atlantic City	63.8	60.5	(*)	—	—	(*)	3.0	2.8	(*)	8.5	8.0	(*)
26 Camden ⁶	291.9	292.0	(*)	.1	.1	(*)	12.7	11.4	(*)	64.0	65.6	(*)
27 Hackensack ⁷	354.0	358.6	(*)	(1)	(1)	(*)	12.5	10.3	(*)	105.3	105.9	(*)
28 Jersey City ⁷	228.3	226.3	(*)	—	—	(*)	4.0	4.7	(*)	73.1	70.1	(*)
29 Long Branch—Asbury Park	135.2	137.4	(*)	(1)	(1)	(*)	5.6	5.3	(*)	20.9	22.2	(*)
30 New Burns—Perth Amboy—Sayreville ²	243.1	243.5	(*)	(1)	(1)	(*)	7.9	7.2	(*)	81.5	80.6	(*)
31 Newark ⁷	849.2	852.8	(*)	.9	.9	(*)	27.9	26.4	(*)	236.0	238.0	(*)
32 Paterson—Clifton—Passaic ⁷	176.2	179.3	(*)	(1)	(1)	(*)	4.6	4.5	(*)	63.5	64.6	(*)
33 Trenton	148.1	153.4	(*)	(1)	(1)	(*)	2.5	2.6	(*)	36.5	38.2	(*)
34 Vineland—Millville—Bridgeton	51.0	51.6	(*)	(1)	(1)	(*)	1.5	1.0	(*)	18.3	19.4	(*)
35 NEW MEXICO	386.3	399.1	402.9	20.4	22.7	22.6	25.3	26.3	26.8	29.7	30.5	30.8
36 Albuquerque	154.1	159.0	160.8	(1)	(1)	(1)	9.6	10.1	10.7	16.1	15.6	15.6
37 NEW YORK	6,757.8	6,694.3	(*)	6.9	6.4	(*)	182.4	160.7	(*)	1,433.5	1,439.9	(*)
38 Albany—Schenectady—Troy	311.8	307.6	(*)	(1)	(1)	(*)	10.2	8.1	(*)	61.1	60.7	(*)
39 Binghamton	106.6	107.4	(*)	(1)	(1)	(*)	3.8	3.2	(*)	38.2	39.6	(*)
40 Buffalo	485.4	490.5	(*)	(1)	(1)	(*)	16.0	15.4	(*)	142.0	143.5	(*)
41 Elmira	37.4	35.5	(*)	(1)	(1)	(*)	1.4	1.2	(*)	12.3	11.3	(*)
42 Monroe County ⁸	314.4	316.0	(*)	(1)	(1)	(*)	8.2	8.5	(*)	124.7	126.9	(*)
43 Nassau—Suffolk ⁹	797.4	794.5	(*)	(1)	(1)	(*)	31.5	24.5	(*)	143.4	146.0	(*)
44 New York—Northeastern New Jersey ²	6,248.5	6,199.4	(*)	3.4	3.2	(*)	169.8	151.8	(*)	1,326.7	1,330.0	(*)
45 New York and Nassau—Suffolk ⁷	4,397.6	4,339.0	(*)	2.1	1.9	(*)	112.7	98.7	(*)	767.3	770.8	(*)
46 New York SMSA ⁹	3,600.2	3,544.5	(*)	1.9	1.8	(*)	81.2	74.3	(*)	624.0	624.8	(*)
47 New York City ¹⁰	3,213.9	3,157.5	(*)	1.7	1.6	(*)	66.9	61.5	(*)	545.6	544.3	(*)
48 Poughkeepsie	86.1	85.6	(*)	(1)	(1)	(*)	2.3	2.5	(*)	28.0	28.2	(*)
49 Rochester	383.8	385.7	(*)	(1)	(1)	(*)	10.1	9.9	(*)	142.2	145.2	(*)
50 Rockland County ¹⁰	72.0	71.4	(*)	(1)	(1)	(*)	1.9	1.2	(*)	14.1	14.5	(*)
51 Syracuse	237.3	235.5	(*)	(1)	(1)	(*)	8.6	7.5	(*)	54.6	55.9	(*)
52 Utica—Rome	109.9	108.4	(*)	(1)	(1)	(*)	2.6	2.6	(*)	30.2	29.2	(*)
53 Westchester County ¹⁰	303.5	304.9	(*)	(1)	(1)	(*)	11.7	11.0	(*)	63.1	64.8	(*)
54 NORTH CAROLINA ³	1,971.8	1,983.7	1,992.3	4.1	4.3	4.3	98.2	91.3	92.4	730.8	732.4	736.8
55 Asheville ³	59.7	60.5	60.7	(1)	(1)	(1)	3.0	3.1	3.3	19.0	18.8	18.9
56 Charlotte—Gastonia ³	269.3	274.1	276.3	(1)	(1)	(1)	14.2	13.2	13.4	79.9	81.9	82.7
57 Greensboro—Winston-Salem—High Pt. ³	330.6	334.3	335.6	(1)	(1)	(1)	13.7	13.5	13.9	134.0	135.8	135.9
58 Raleigh—Durham ³	211.0	216.1	216.5	(1)	(1)	(1)	10.2	9.7	9.9	34.9	35.8	35.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	
(*)	3.8	(*)	(*)	16.4	(*)	(*)	3.8	(*)	(*)	11.5	(*)	(*)	11.9	(*)	1
88.5	90.6	91.9	379.7	382.1	390.9	76.8	79.0	79.0	291.0	296.7	301.8	281.9	281.4	281.7	2
5.9	5.6	5.9	14.9	14.4	14.5	2.0	2.1	2.1	11.6	11.3	11.4	11.7	11.7	11.7	3
56.6	58.3	58.8	227.1	230.7	234.4	56.6	58.3	58.1	184.7	185.4	188.8	145.4	146.9	146.4	4
34.2	35.0	35.0	139.8	145.7	147.1	28.4	29.4	29.5	102.5	104.7	106.0	156.9	159.4	159.2	5
7.4	7.6	7.6	28.0	28.0	28.3	9.3	9.6	9.7	23.6	24.1	24.2	27.6	28.0	28.1	6
122.7	122.9	123.0	406.5	403.6	405.0	93.2	93.3	94.0	313.0	317.9	322.5	321.8	328.0	327.1	7
50.0	49.9	49.8	139.4	141.9	143.0	36.4	37.1	37.3	104.7	104.1	104.9	84.9	83.6	81.7	8
2.3	2.4	2.4	8.7	9.1	9.0	1.6	1.6	1.6	6.1	5.7	5.7	5.7	5.6	5.6	9
63.3	63.7	64.3	202.9	203.0	205.9	48.4	48.6	49.0	176.3	173.4	175.2	133.1	133.7	133.9	10
5.1	5.2	5.2	19.1	19.6	20.0	2.7	2.9	2.9	13.8	14.3	14.5	10.7	11.3	11.3	11
19.2	(*)	(*)	59.3	(*)	(*)	10.4	(*)	(*)	45.3	(*)	(*)	67.6	(*)	(*)	12
3.3	(*)	(*)	13.0	(*)	(*)	2.1	(*)	(*)	8.3	(*)	(*)	7.4	(*)	(*)	13
1.3	(*)	(*)	8.5	(*)	(*)	1.9	(*)	(*)	6.4	(*)	(*)	6.1	(*)	(*)	14
41.1	43.9	43.1	145.6	149.1	150.3	34.5	35.8	35.9	100.4	103.5	103.9	122.1	121.6	121.8	15
5.9	6.0	6.1	18.3	19.3	19.6	6.2	6.4	6.5	15.1	15.7	15.7	26.4	27.1	27.2	16
20.8	20.9	20.7	58.8	57.5	57.8	20.0	20.6	20.6	48.1	50.4	50.4	40.7	42.8	42.8	17
17.3	18.3	18.4	54.6	58.1	59.4	11.0	11.9	12.0	111.6	118.6	121.3	47.5	49.1	49.1	18
9.5	10.2	10.3	30.0	31.8	32.3	5.8	6.3	6.4	70.1	74.6	75.8	20.3	21.9	21.8	19
5.5	6.0	6.0	17.2	18.6	19.1	4.2	4.5	4.6	26.8	28.5	29.3	14.4	14.1	14.0	20
12.0	12.1	12.2	65.3	67.8	70.4	14.7	15.5	15.7	55.5	58.5	58.6	49.9	51.6	51.3	21
3.7	3.9	3.9	13.9	14.6	14.9	4.2	4.4	4.5	10.9	11.5	11.7	6.9	7.1	7.1	22
1.8	1.8	1.8	9.1	9.2	9.5	1.4	1.5	1.5	6.2	6.5	6.7	4.5	4.5	4.5	23
174.0	174.9	175.5	603.3	616.8	628.1	136.4	140.7	141.8	484.4	491.0	500.5	472.8	477.8	478.0	24
3.3	3.3	(*)	16.7	15.1	(*)	4.3	4.5	(*)	14.5	13.2	(*)	13.5	13.6	(*)	25
15.0	14.2	(*)	77.7	77.3	(*)	13.8	14.0	(*)	53.6	52.9	(*)	55.0	56.5	(*)	26
18.2	17.4	(*)	104.0	103.5	(*)	13.8	14.0	(*)	61.5	65.9	(*)	38.7	41.6	(*)	27
29.1	29.9	(*)	42.1	41.4	(*)	8.5	8.8	(*)	29.1	28.5	(*)	42.4	42.9	(*)	28
5.5	5.5	(*)	33.6	34.1	(*)	5.3	5.4	(*)	32.3	32.8	(*)	32.0	32.1	(*)	29
15.7	16.2	(*)	54.0	53.0	(*)	8.5	8.9	(*)	31.9	33.2	(*)	43.6	44.4	(*)	30
62.8	61.4	(*)	165.5	162.7	(*)	58.0	58.9	(*)	159.8	163.7	(*)	138.3	140.8	(*)	31
6.7	6.9	(*)	40.3	40.0	(*)	8.6	8.9	(*)	27.9	27.9	(*)	24.4	26.5	(*)	32
5.3	5.2	(*)	22.8	22.6	(*)	5.8	6.1	(*)	35.8	37.7	(*)	39.4	41.0	(*)	33
3.0	3.0	(*)	7.9	7.5	(*)	2.5	2.5	(*)	7.4	7.6	(*)	10.4	10.6	(*)	34
23.4	24.0	24.1	88.9	91.1	92.3	16.7	17.1	17.2	72.3	76.0	77.4	109.6	111.4	111.7	35
8.6	9.0	9.1	39.8	40.7	41.3	8.4	8.6	8.6	35.0	37.2	37.7	36.6	37.8	37.8	36
425.5	423.3	(*)	1,391.6	1,380.9	(*)	574.7	572.4	(*)	1,460.2	1,469.2	(*)	1,282.9	1,241.6	(*)	37
14.8	14.6	(*)	60.9	59.9	(*)	13.7	13.6	(*)	60.6	60.7	(*)	90.6	89.9	(*)	38
4.1	4.2	(*)	19.5	18.6	(*)	3.5	3.4	(*)	14.8	15.5	(*)	22.8	22.8	(*)	39
26.4	24.7	(*)	106.0	109.4	(*)	20.3	20.9	(*)	88.1	88.9	(*)	86.6	87.7	(*)	40
1.3	1.3	(*)	8.2	8.1	(*)	1.0	1.0	(*)	6.4	6.4	(*)	6.7	6.3	(*)	41
9.9	9.8	(*)	58.0	59.1	(*)	13.7	14.3	(*)	60.1	59.6	(*)	39.8	37.9	(*)	42
34.9	35.1	(*)	206.9	210.4	(*)	43.8	44.0	(*)	167.2	169.1	(*)	169.8	165.4	(*)	43
452.0	446.8	(*)	1,329.6	1,320.1	(*)	577.1	575.6	(*)	1,339.9	1,347.3	(*)	1,050.0	1,024.6	(*)	44
319.5	315.1	(*)	923.7	919.5	(*)	479.6	476.0	(*)	1,030.2	1,028.6	(*)	762.6	728.4	(*)	45
284.6	280.0	(*)	716.8	709.1	(*)	435.8	432.0	(*)	863.1	859.6	(*)	592.8	563.0	(*)	46
263.0	259.2	(*)	628.0	618.9	(*)	417.3	413.4	(*)	772.1	768.9	(*)	519.3	489.6	(*)	47
2.9	2.9	(*)	14.6	14.2	(*)	2.5	2.4	(*)	15.2	15.0	(*)	20.7	20.4	(*)	48
12.5	12.3	(*)	73.5	74.6	(*)	15.2	15.6	(*)	70.3	69.8	(*)	60.1	58.3	(*)	49
3.4	3.4	(*)	15.6	15.1	(*)	2.3	2.1	(*)	15.4	15.6	(*)	19.3	19.5	(*)	50
13.6	13.5	(*)	52.9	52.4	(*)	14.2	14.3	(*)	46.3	45.3	(*)	47.2	46.6	(*)	51
3.9	3.8	(*)	20.2	20.2	(*)	5.0	5.3	(*)	18.8	18.7	(*)	29.4	28.7	(*)	52
17.6	16.7	(*)	70.5	72.4	(*)	15.9	16.2	(*)	73.5	73.0	(*)	51.2	50.8	(*)	53
96.8	98.2	98.9	367.0	366.1	367.3	82.5	83.8	84.3	262.3	268.0	269.9	330.1	339.6	338.4	54
3.2	3.4	3.4	12.1	12.0	11.9	2.4	2.9	2.9	10.3	10.5	10.4	9.7	9.8	9.9	55
25.3	25.9	25.8	61.8	62.0	62.3	17.4	18.3	18.4	36.9	38.1	39.0	33.8	34.7	34.7	56
19.2	19.4	19.4	62.4	62.8	62.9	14.3	14.2	14.4	44.7	46.1	46.6	42.3	42.5	42.5	57
9.8	9.8	9.8	39.1	39.9	40.2	13.4	13.9	14.0	43.1	44.6	44.7	60.5	62.4	62.0	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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
1 NORTH DAKOTA ²	210.9	213.7	218.9	2.4	2.6	2.6	14.2	13.0	15.1	15.8	15.0	14.8
2 Fargo—Moorhead ²	54.5	56.1	56.7	.1	.1	.1	3.1	3.0	3.3	4.9	4.9	4.8
3 OHIO.....	4,099.6	4,117.5	4,180.0	28.0	28.3	28.8	151.6	138.3	150.3	1,295.3	1,309.1	1,319.0
4 Akron.....	251.5	251.4	253.9	.3	.3	.3	6.7	5.8	6.3	84.4	83.1	83.4
5 Canton.....	145.7	143.8	145.9	.8	.7	.8	5.3	4.9	5.4	54.3	51.3	52.0
6 Cincinnati.....	540.9	539.9	548.9	.4	.4	.4	22.0	20.1	21.9	155.0	155.6	156.8
7 Cleveland.....	863.0	863.5	872.2	1.5	1.3	1.4	29.0	26.1	27.7	266.1	267.9	269.5
8 Columbus.....	454.0	460.1	465.5	.7	.6	.7	17.5	15.5	17.0	93.0	96.7	97.2
9 Dayton.....	330.6	334.2	338.8	.4	.4	.4	11.1	10.1	10.8	102.1	107.0	106.9
10 Toledo.....	283.5	287.4	293.4	.6	.5	.5	11.2	10.4	11.1	84.2	85.2	87.3
11 Youngstown—Warren.....	203.4	203.3	205.9	.3	.2	.3	6.3	5.5	6.0	81.1	80.0	80.6
12 OKLAHOMA.....	921.9	958.5	964.1	44.1	47.9	48.4	43.7	43.9	45.3	154.2	160.7	160.6
13 Oklahoma City.....	313.5	328.2	331.7	9.7	10.4	10.5	14.8	16.8	17.3	40.3	43.6	44.1
14 Tulsa.....	241.0	248.0	248.3	16.2	16.4	16.3	13.8	15.2	15.2	52.0	53.4	53.2
15 OREGON.....	860.2	881.1	888.0	1.4	1.3	1.4	32.9	34.2	36.7	183.4	191.3	191.0
16 Eugene—Springfield.....	87.7	90.7	92.1	(1)	(1)	(1)	3.3	4.2	4.3	18.7	19.4	19.5
17 Jackson County.....	-	-	-	-	-	-	-	-	-	6.5	7.2	7.3
18 Portland.....	455.0	466.8	468.5	(1)	(1)	(1)	18.2	17.1	18.0	90.7	95.6	93.6
19 Salem.....	70.4	72.3	(*)	(1)	(1)	(*)	3.5	3.3	(*)	10.2	10.7	(*)
20 PENNSYLVANIA.....	4,493.1	4,455.7	4,498.2	48.3	47.7	48.9	174.4	159.9	176.2	1,335.3	1,322.4	1,330.4
21 Allentown—Bethlehem—Easton.....	256.7	254.6	255.8	(1)	(1)	(1)	9.8	7.7	8.2	108.0	108.0	108.1
22 Altoona.....	50.3	50.9	51.8	(1)	(1)	(1)	1.9	1.8	1.7	13.1	12.8	13.2
23 Delaware Valley ¹¹	1,509.2	1,492.8	1,492.0	(1)	(1)	(1)	53.3	44.7	48.0	382.5	376.9	376.6
24 Erie.....	108.3	109.0	110.2	(1)	(1)	(1)	3.3	2.6	3.0	41.9	42.6	43.0
25 Harrisburg.....	201.8	203.0	205.0	(1)	(1)	(1)	9.1	8.3	9.2	38.8	38.6	38.8
26 Johnstown.....	88.5	87.4	89.2	9.2	8.6	9.3	2.6	2.7	3.0	22.7	21.6	22.3
27 Lancaster.....	134.1	133.9	136.4	(1)	(1)	(1)	6.3	6.5	7.0	53.3	53.7	54.8
28 Northeast Pennsylvania.....	229.0	226.4	228.3	1.4	1.2	1.2	11.1	10.9	11.8	72.6	71.3	70.9
29 Philadelphia SMSA.....	1,801.0	1,784.1	1,786.5	(1)	(1)	(1)	66.0	55.9	59.7	446.5	442.5	442.3
30 Philadelphia City ¹²	810.4	795.7	793.9	(1)	(1)	(1)	18.6	15.0	16.3	160.7	158.4	158.1
31 Pittsburgh.....	899.1	880.8	897.4	11.6	11.5	11.6	41.3	37.8	43.1	249.1	240.4	243.8
32 Reading.....	129.2	130.5	131.4	(1)	(1)	(1)	4.3	3.8	4.4	49.1	50.4	50.7
33 Scranton ¹³	80.7	81.0	81.7	(1)	(1)	(1)	2.4	2.1	2.5	25.9	26.6	26.5
34 Wilkes-Barre—Hazleton ¹⁴	123.7	120.2	121.2	1.3	1.1	1.1	7.5	7.7	8.1	42.3	40.2	39.9
35 Williamsport.....	43.9	44.3	44.3	(1)	(1)	(1)	1.2	1.1	1.2	17.2	17.1	17.1
36 York.....	138.4	137.7	140.1	(1)	(1)	(1)	6.5	5.7	6.2	57.9	57.7	58.0
37 RHODE ISLAND.....	361.9	366.5	370.0	(1)	(1)	(1)	11.2	10.5	11.8	120.3	124.7	123.8
38 Providence—Warwick—Pawtucket.....	375.2	378.5	382.0	(1)	(1)	(1)	11.3	10.7	12.1	135.1	139.5	138.3
39 SOUTH CAROLINA.....	1,037.9	1,062.1	1,076.2	1.8	1.8	1.8	60.9	59.2	60.8	367.7	373.0	374.2
40 Charleston—North Charleston.....	121.7	124.8	125.0	(1)	(1)	(1)	9.4	9.9	10.2	16.7	17.8	17.7
41 Columbia.....	149.4	154.3	155.9	(1)	(1)	(1)	6.8	6.8	6.9	22.9	22.7	22.9
42 Greenville—Spartanburg.....	232.4	232.8	233.7	(1)	(1)	(1)	13.2	12.3	12.4	100.1	100.9	101.0
43 SOUTH DAKOTA ³	213.4	212.0	(*)	2.6	2.6	(*)	8.5	8.0	(*)	21.1	20.7	(*)
44 Rapid City ³	24.3	24.7	(*)	(4)	(4)	(*)	1.7	1.8	(*)	2.2	2.3	(*)
45 Sioux Falls ³	45.2	45.5	(*)	(4)	(4)	(*)	2.4	2.3	(*)	6.5	7.0	(*)
46 TENNESSEE ³	1,521.6	1,534.6	1,541.9	9.2	9.2	8.7	64.8	61.9	63.8	471.8	474.9	477.6
47 Chattanooga ³	154.9	157.1	158.5	.8	.9	.9	5.7	5.3	5.5	55.0	54.9	55.5
48 Knoxville ³	175.9	178.1	178.4	1.6	1.7	1.7	9.2	9.2	9.9	47.9	49.4	49.3
49 Memphis ³	318.2	319.8	320.5	.2	.2	.2	12.7	12.5	12.4	57.5	58.3	58.6
50 Nashville—Davidson ³	297.4	303.3	304.9	(1)	(1)	(1)	15.0	15.0	15.5	75.4	77.2	77.8
51 TEXAS.....	4,660.5	4,789.8	4,807.0	135.5	146.5	147.6	316.3	325.2	324.3	853.4	870.4	871.6
52 Amarillo.....	64.9	66.9	67.3	(1)	(1)	(1)	3.9	4.2	4.4	8.7	8.9	8.8
53 Austin.....	176.2	179.7	180.7	(1)	(1)	(1)	8.8	8.7	8.8	16.8	18.4	18.5
54 Beaumont—Port Arthur—Orange.....	136.5	133.3	134.0	(1)	(1)	(1)	15.3	14.8	14.2	42.0	37.9	38.5
55 Corpus Christi.....	102.4	102.8	102.9	3.8	3.8	3.8	11.3	10.9	11.0	12.4	12.0	11.9
56 Dallas—Fort Worth.....	1,109.4	1,145.4	1,152.2	12.4	13.1	13.0	48.3	48.7	49.4	242.4	251.4	251.7
57 El Paso.....	139.7	135.8	135.9	(1)	(1)	(1)	6.5	6.6	6.4	32.4	29.4	29.8
58 Galveston—Texas City.....	65.2	68.5	68.8	(1)	(1)	(1)	6.8	8.3	7.9	11.9	11.7	11.7
59 Houston.....	1,085.9	1,129.7	1,136.7	44.8	46.8	46.6	116.2	118.9	119.6	186.0	186.9	187.1
60 Lubbock.....	76.0	80.1	80.3	(1)	(1)	(1)	4.5	4.2	4.3	10.1	11.3	11.5
61 San Antonio.....	327.5	330.0	331.5	1.8	1.8	1.7	18.7	18.3	18.1	40.1	40.8	40.7
62 Waco.....	60.1	61.4	61.8	(1)	(1)	(1)	2.8	3.0	3.0	13.8	14.2	14.4
63 Wichita Falls.....	45.0	46.1	46.7	2.1	2.2	2.2	2.6	2.8	2.8	7.4	7.6	7.8

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	
12.7	13.0	13.4	59.5	60.8	62.9	8.9	9.4	9.6	40.8	41.7	42.3	56.6	58.2	58.2	1
3.4	3.4	3.5	16.5	17.4	17.7	3.2	3.4	3.4	11.6	11.9	12.2	11.8	12.1	11.8	2
211.8	208.8	213.4	883.1	891.9	909.9	175.5	177.2	179.3	710.0	720.9	738.7	644.3	643.1	640.7	3
13.9	13.9	14.0	54.3	54.8	55.9	8.3	8.7	8.7	42.5	43.2	44.0	41.2	41.5	41.4	4
6.8	7.1	7.2	31.0	31.4	31.9	5.3	5.3	5.4	25.3	25.7	26.1	16.9	17.4	17.2	5
30.4	29.7	30.0	123.2	125.5	127.4	28.8	28.4	28.6	100.5	101.6	105.5	80.6	78.7	78.5	6
46.1	44.3	45.3	194.4	196.9	199.7	43.7	44.4	44.8	163.2	164.1	167.1	119.0	118.4	116.7	7
22.2	22.7	22.7	108.3	109.0	110.7	30.5	31.2	31.4	86.2	87.2	88.7	95.6	97.2	97.3	8
12.0	10.8	12.5	68.1	69.3	70.7	11.0	11.2	11.3	61.4	62.9	63.5	64.6	62.6	62.9	9
18.5	18.8	19.1	64.1	65.3	66.4	9.0	9.3	9.4	51.7	53.3	54.6	44.2	44.5	44.8	10
9.5	9.5	9.6	43.0	43.7	44.7	6.4	6.5	6.6	32.7	33.1	33.9	24.2	24.7	24.3	11
56.6	57.9	58.2	216.7	228.0	229.6	46.1	47.7	48.2	150.6	157.9	160.0	209.9	214.5	213.8	12
19.4	19.9	19.9	77.9	81.3	82.2	20.4	20.8	21.4	52.4	54.9	55.7	78.6	80.5	80.6	13
18.6	18.8	18.9	58.2	58.2	58.1	12.8	13.2	13.3	44.8	46.4	46.9	24.6	26.4	26.4	14
50.3	52.4	53.0	206.3	209.4	212.1	50.6	53.7	53.8	149.9	152.6	154.4	185.4	186.2	185.6	15
4.5	4.7	4.7	21.5	22.2	22.9	4.0	4.3	4.4	14.8	15.3	15.8	20.9	20.6	20.5	16
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
30.2	32.3	32.7	115.9	117.8	118.6	32.8	34.9	35.3	90.2	93.4	94.7	77.0	75.7	75.6	18
2.4	2.5	(*)	14.6	15.2	(*)	4.0	4.2	(*)	11.4	11.5	(*)	24.3	24.9	(*)	19
254.7	254.5	255.1	908.2	902.7	912.6	209.7	211.8	213.4	832.1	841.6	851.4	730.4	715.1	710.2	20
13.1	12.6	12.8	44.0	44.9	45.1	7.6	7.7	7.8	37.5	38.2	38.2	36.7	35.5	35.6	21
7.6	8.0	8.0	10.7	11.6	11.9	1.4	1.4	1.4	7.8	7.9	8.1	7.8	7.4	7.5	22
80.9	82.2	82.3	311.3	306.9	307.0	96.8	96.8	97.1	339.2	343.6	345.6	245.2	241.7	235.4	23
5.1	5.3	5.3	20.8	20.4	20.6	4.2	4.5	4.5	18.1	18.4	18.5	14.9	15.2	15.3	24
14.4	14.7	14.8	40.4	41.1	41.4	10.8	11.2	11.3	33.3	33.4	34.2	55.0	55.7	55.3	25
5.6	5.7	5.7	15.9	16.4	16.7	3.2	3.6	3.7	14.8	14.6	14.5	14.5	14.2	14.0	26
5.9	5.9	6.1	28.7	28.5	29.0	4.2	4.2	4.2	21.2	21.2	21.4	14.5	13.9	13.9	27
11.7	11.4	11.3	47.4	46.8	47.3	8.6	8.8	8.9	38.7	38.8	39.7	37.5	37.2	37.2	28
95.9	96.4	96.5	389.1	384.1	386.4	110.6	110.8	111.3	392.8	396.4	398.9	300.1	298.0	291.4	29
55.7	55.9	55.7	151.6	148.6	148.1	65.4	64.2	64.3	202.7	200.6	203.8	155.7	153.0	147.6	30
56.9	57.3	57.0	192.1	194.2	198.8	40.5	41.1	41.9	179.0	179.7	179.4	128.6	118.8	121.8	31
6.6	6.4	6.4	24.0	24.1	24.3	5.1	5.4	5.3	20.6	21.2	21.3	19.5	19.2	19.0	32
4.4	4.2	4.2	18.4	17.6	17.7	3.0	3.0	3.0	15.9	16.2	16.5	10.7	11.3	11.3	33
5.9	5.9	5.9	24.5	24.7	25.1	4.8	4.9	5.1	17.1	16.4	16.8	20.3	19.3	19.2	34
2.0	2.0	2.0	6.5	8.6	8.6	1.8	1.8	1.8	7.6	7.9	7.8	5.6	5.8	5.8	35
6.4	5.9	6.3	28.3	28.3	29.3	3.1	3.3	3.3	18.9	20.0	20.2	17.3	16.8	16.8	36
13.6	13.7	13.8	72.9	73.2	74.5	17.8	18.1	18.2	68.6	69.3	71.0	57.5	57.0	56.9	37
13.6	13.3	13.4	75.2	75.5	76.8	18.1	17.8	18.1	67.8	67.9	69.6	54.1	53.8	53.7	38
42.7	44.9	45.0	185.7	194.6	200.8	39.2	40.0	40.4	132.8	137.3	141.5	207.1	211.3	211.7	39
7.6	7.4	7.2	25.9	26.3	26.5	4.8	4.9	4.9	18.4	18.9	19.1	38.9	39.6	39.4	40
8.1	8.4	8.4	30.3	32.5	32.7	11.0	11.7	12.0	22.4	22.7	22.9	47.9	49.5	50.1	41
9.2	9.4	9.4	41.8	41.6	41.8	8.0	8.0	8.1	31.7	32.2	32.6	28.4	28.4	28.4	42
12.2	12.1	(*)	54.9	54.3	(*)	9.0	9.3	(*)	47.5	47.9	(*)	57.6	57.1	(*)	43
1.6	1.4	(*)	6.5	7.1	(*)	1.2	1.2	(*)	5.2	5.3	(*)	5.9	5.6	(*)	44
4.2	4.4	(*)	13.1	12.9	(*)	2.2	2.4	(*)	10.3	11.0	(*)	6.5	5.5	(*)	45
72.0	72.2	71.9	318.4	322.5	324.8	65.0	66.3	66.5	235.5	236.4	238.0	284.9	291.2	290.6	46
5.4	5.5	5.5	29.3	30.3	30.3	8.4	7.9	8.0	22.4	23.2	23.4	27.9	29.1	29.4	47
7.3	7.6	7.6	37.7	38.8	38.9	6.8	7.1	7.0	25.5	25.2	25.5	39.9	39.1	38.5	48
20.8	20.8	20.7	85.2	85.0	85.1	18.2	18.4	18.6	59.6	60.3	61.0	64.0	64.3	63.9	49
16.3	17.0	17.1	68.4	71.6	71.5	19.4	19.3	19.3	54.2	53.7	54.0	48.7	49.5	49.7	50
291.9	295.7	297.1	1,158.1	1,170.7	1,175.7	253.5	263.6	265.9	803.6	842.6	850.1	848.2	875.1	874.7	51
6.3	6.5	6.5	19.6	20.3	20.4	3.1	3.2	3.2	12.1	12.5	12.5	11.2	11.3	11.5	52
5.4	5.4	5.4	36.1	36.1	36.0	9.7	9.7	9.7	28.6	30.1	30.2	70.8	71.3	72.1	53
9.1	9.9	9.9	27.6	27.5	27.9	4.7	5.0	5.0	19.7	20.1	20.3	18.1	18.1	18.2	54
5.6	5.6	5.7	25.4	26.5	26.5	4.8	4.9	4.9	16.4	16.8	16.9	22.7	22.7	22.2	55
74.3	76.5	76.6	299.9	312.8	315.3	81.4	84.2	85.4	197.0	203.7	206.2	153.7	155.0	154.6	56
9.6	9.4	9.4	34.5	34.0	33.8	6.4	6.2	6.3	21.8	21.6	21.7	28.5	28.6	28.5	57
5.5	5.7	5.6	11.4	11.8	12.2	4.2	4.4	4.5	9.7	10.1	10.4	15.7	16.5	16.5	58
79.4	80.4	80.9	263.0	281.0	283.4	61.4	62.1	64.1	209.7	220.8	222.7	125.4	132.8	132.3	59
4.4	4.6	4.6	23.4	24.8	24.7	3.7	3.7	3.8	13.6	14.2	14.2	16.3	17.3	17.2	60
13.9	14.3	14.4	81.6	81.0	81.9	21.1	22.0	22.4	61.4	61.8	62.2	88.9	90.0	90.1	61
3.0	3.0	3.0	13.6	14.0	14.2	3.5	3.5	3.5	12.6	13.0	13.0	10.8	10.7	10.7	62
2.2	2.2	2.3	11.3	11.5	11.6	2.0	2.1	2.1	6.7	6.7	6.8	10.7	11.0	11.1	63

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
1 UTAH	455.9	472.6	476.0	13.5	14.6	14.7	25.4	24.2	26.0	68.2	72.3	73.1
2 Salt Lake City—Ogden	328.0	341.0	343.2	6.2	6.9	6.9	17.7	16.4	18.0	46.0	49.0	49.1
3 VERMONT	162.4	171.7	170.4	.7	.7	.7	6.4	5.9	7.3	40.9	41.6	42.2
4 Burlington ¹⁵	42.5	44.8	44.6	-	-	-	-	-	-	9.6	10.3	10.4
5 Springfield ¹⁵	12.4	12.5	12.4	-	-	-	-	-	-	5.4	5.1	5.2
6 VIRGINIA	1,826.6	1,863.5	1,879.1	21.6	22.2	22.3	111.1	109.3	114.4	383.9	390.4	391.8
7 Bristol	24.7	24.6	24.8	(1)	(1)	(1)	1.0	1.0	1.0	8.7	8.3	8.6
8 Lynchburg	60.6	61.6	62.0	(1)	(1)	(1)	2.7	2.8	2.9	26.5	27.3	27.2
9 Newport News—Hampton	132.4	136.1	137.9	(1)	(1)	(1)	6.7	6.8	7.0	32.2	33.9	33.0
10 Norfolk—Virginia Beach—Portsmouth	248.5	250.0	252.6	(1)	(1)	(1)	15.1	15.1	15.8	25.6	26.3	27.0
11 Northern Virginia ¹⁶	358.6	362.9	365.5	.3	.3	.3	24.1	22.1	23.2	13.3	13.8	13.6
12 Richmond	285.8	285.4	288.7	.4	.3	.3	15.8	15.7	16.7	51.5	50.1	51.0
13 Roanoke	96.6	96.8	97.5	.1	.2	.2	5.4	4.9	5.3	21.4	21.1	21.3
14 WASHINGTON	1,221.1	1,251.2	1,265.0	2.0	1.9	2.0	53.4	54.2	57.5	238.7	244.8	248.8
15 Seattle—Everett ³	571.9	599.1	605.8	(1)	(1)	(1)	22.5	25.7	27.1	116.8	120.6	122.0
16 Spokane ³	104.0	105.7	107.4	(1)	(1)	(1)	5.1	4.9	5.1	13.8	14.6	14.8
17 Tacoma ³	117.6	120.6	122.8	(1)	(1)	(1)	4.8	5.3	6.1	20.1	18.5	18.8
18 WEST VIRGINIA	591.7	596.7	604.5	69.6	71.6	71.1	31.4	31.8	35.0	122.3	125.3	125.9
19 Charleston	104.1	101.5	102.2	6.3	6.1	6.1	6.5	5.6	5.9	18.9	19.0	19.0
20 Huntington—Ashland	96.4	96.0	96.4	.8	.8	.8	5.8	5.1	5.5	28.0	28.2	28.3
21 Parkersburg—Marietta	51.7	51.3	51.6	.4	.4	.4	2.5	2.0	2.1	16.4	16.7	16.8
22 Wheeling	63.7	63.6	64.3	8.4	8.4	8.4	2.9	2.2	2.3	13.2	14.2	14.2
23 WISCONSIN	1,701.6	1,723.1	1,746.9	2.4	1.9	2.2	60.1	61.1	67.0	507.4	503.4	510.3
24 Appleton—Oshkosh	136.9	107.0	107.5	(1)	(1)	(1)	4.7	4.3	4.5	40.3	40.9	40.4
25 Green Bay	66.0	67.8	68.7	(1)	(1)	(1)	2.9	3.1	3.5	19.4	19.8	19.7
26 Kenosha	41.6	34.1	40.8	(1)	(1)	(1)	.9	.8	.9	18.1	10.5	16.9
27 La Crosse	35.7	36.5	37.2	(1)	(1)	(1)	1.1	1.3	1.4	8.8	8.6	8.8
28 Madison	143.2	146.4	148.4	(1)	(1)	(1)	5.2	5.3	6.2	16.8	17.1	17.3
29 Milwaukee	604.2	602.8	599.4	(1)	(1)	(1)	19.3	18.4	19.6	197.9	193.5	193.2
30 Racine	62.7	61.9	64.9	(1)	(1)	(1)	1.4	1.6	1.7	26.7	27.2	27.2
31 WYOMING	149.0	156.0	159.0	19.3	22.5	22.8	13.6	13.6	14.6	7.9	8.0	8.1
32 Casper	26.9	28.4	28.8	4.7	5.0	5.2	2.2	2.3	2.4	1.6	1.7	1.7
33 Cheyenne	23.5	23.7	24.0	(1)	(1)	(1)	1.4	1.5	1.6	1.4	1.4	1.4

¹ Combined with services.

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

³ Based on 1967 Standard Industrial Classification.

⁴ Combined with construction.

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

⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁷ Subarea of New York—Northeastern New Jersey.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

⁹ Area included in New York and Nassau—Suffolk combined SMSA's.

¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁴ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁵ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.

¹⁶ 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			
APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	
27.7	28.3	28.3	108.3	113.1	113.5	20.2	21.6	21.7	78.2	80.2	81.2	114.4	118.3	117.5	1
22.1	22.6	22.6	81.0	85.3	85.5	16.8	17.6	17.7	53.6	54.7	55.5	84.7	88.5	87.9	2
8.1	8.4	8.4	33.7	35.1	35.1	6.7	6.9	6.9	35.6	41.3	38.6	30.5	32.1	31.3	3
2.0	2.0	2.0	9.5	9.9	10.1	-	-	-	9.1	9.7	9.7	-	-	-	4
.7	.8	.7	1.9	1.9	1.9	-	-	-	2.2	2.6	2.3	-	-	-	5
104.6	108.1	107.8	377.9	384.4	386.5	84.8	88.7	88.9	310.8	317.5	324.8	431.9	442.9	442.6	6
.9	.9	.9	5.9	6.0	6.0	.8	.9	.9	3.3	3.2	3.3	4.1	4.3	4.1	7
2.6	2.6	2.6	9.9	9.3	9.5	2.7	2.7	2.7	8.2	8.3	8.5	8.0	8.6	8.6	8
4.4	4.3	4.3	24.0	24.1	24.8	4.1	4.4	4.4	24.7	23.9	25.7	36.3	38.7	38.7	9
17.5	18.1	17.7	58.7	60.0	60.4	12.9	12.8	12.9	43.6	43.0	44.0	75.1	74.7	74.8	10
25.2	25.5	25.6	84.4	86.3	87.4	20.8	21.8	22.0	81.7	84.4	84.9	108.8	108.7	108.5	11
17.6	17.8	17.8	65.7	66.6	66.5	21.8	22.7	22.8	49.2	49.4	50.6	63.8	62.8	63.0	12
10.1	9.8	9.9	22.9	23.5	23.6	5.3	5.5	5.4	17.6	17.8	17.8	13.8	14.1	14.0	13
72.0	74.4	74.5	285.8	289.5	294.5	67.0	69.1	70.3	225.1	234.5	236.2	277.1	282.8	281.2	14
40.0	42.3	42.6	136.9	146.8	149.3	39.7	42.2	42.8	108.2	112.6	114.0	107.8	108.9	108.0	15
7.2	7.2	7.4	28.0	28.3	29.1	6.3	6.4	6.6	23.7	24.4	24.4	19.9	19.9	20.0	16
5.2	5.5	5.4	28.1	30.3	30.8	5.5	5.6	5.6	24.7	25.5	26.2	29.2	29.9	29.9	17
39.4	39.9	40.3	117.1	117.1	118.7	18.5	18.3	18.4	83.7	84.4	85.4	109.9	108.2	109.6	18
8.8	8.4	8.4	23.3	23.0	23.1	4.4	4.5	4.5	16.8	17.0	17.0	19.1	17.9	18.1	19
9.0	9.1	9.1	19.7	19.7	19.9	3.3	3.3	3.4	13.2	13.0	13.1	16.4	16.7	16.6	20
2.3	2.3	2.3	11.2	11.3	11.4	1.7	1.7	1.7	8.0	7.6	7.7	9.2	9.2	9.2	21
3.6	3.6	3.6	13.4	13.5	13.5	2.4	2.4	2.4	12.0	12.1	12.2	7.7	7.3	7.8	22
82.4	81.3	82.5	378.8	388.4	397.8	76.5	77.6	78.7	299.4	315.8	320.1	294.6	293.6	288.4	23
4.0	3.9	3.9	21.8	21.2	21.6	4.1	4.2	4.3	17.0	17.0	17.5	14.9	15.4	15.4	24
4.6	4.3	4.3	15.6	15.9	16.1	2.0	2.1	2.2	11.9	12.7	12.9	9.7	10.0	10.0	25
1.5	1.4	1.4	7.6	7.7	7.8	.8	.8	.8	6.9	7.0	7.0	5.8	5.9	5.9	26
2.1	2.1	2.1	9.3	9.6	9.9	.9	.9	.9	7.5	7.9	8.1	5.9	6.1	6.1	27
5.3	5.2	5.2	30.1	31.8	32.3	9.1	9.5	9.6	25.0	25.2	25.9	51.7	52.3	52.0	28
30.8	30.5	30.7	131.2	131.0	133.0	33.1	33.4	33.5	115.4	119.4	120.5	76.7	76.7	68.9	29
2.2	1.9	2.3	12.2	12.1	12.5	1.7	1.7	1.7	10.0	10.4	10.7	8.4	7.0	8.8	30
12.6	12.7	12.9	32.9	34.5	35.4	5.0	5.5	5.6	21.2	22.1	22.3	36.5	37.0	37.3	31
2.1	2.1	2.1	6.7	7.3	7.4	1.1	1.3	1.3	4.0	4.1	4.1	4.5	4.6	4.6	32
3.2	3.2	3.3	5.3	5.7	5.8	1.3	1.3	1.3	4.0	3.9	3.9	7.0	6.7	6.7	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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977P	May 1977P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977P	May 1977P
-	TOTAL PRIVATE	\$ 171.12	\$ 174.36	\$ 183.96	\$ 184.89	\$ 187.36	\$ 4.78	\$ 4.83	\$ 5.11	\$ 5.15	\$ 5.19
-	MINING	267.76	269.88	296.29	299.40	296.48	6.33	6.35	6.78	6.82	6.80
10	METAL MINING	283.10	279.36	290.17	295.48	-	6.63	6.62	7.06	7.12	-
101	Iron ores	299.60	295.40	317.37	315.03	-	7.00	7.00	7.45	7.43	-
102	Copper ores	293.51	282.88	280.80	286.89	-	6.89	6.80	7.20	7.30	-
11,12	COAL MINING	301.86	309.28	345.28	344.86	-	7.74	7.81	8.30	8.35	-
12	Bituminous coal and lignite mining	302.25	309.68	346.94	346.51	-	7.77	7.84	8.34	8.39	-
13	OIL AND GAS EXTRACTION	250.49	250.74	281.06	282.90	-	5.68	5.66	6.11	6.15	-
131,2	Crude petroleum and natural gas fields	264.79	265.93	288.69	298.91	-	6.49	6.55	6.99	7.10	-
138	Oil and gas field services	243.27	242.03	277.06	275.81	-	5.30	5.25	5.76	5.77	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	231.26	235.05	244.28	255.48	-	5.28	5.33	5.59	5.69	-
142	Crushed and broken stone	221.63	226.75	233.45	249.15	-	5.06	5.13	5.33	5.50	-
-	CONTRACT CONSTRUCTION	278.25	283.09	289.62	290.40	293.92	7.50	7.61	7.87	7.87	7.88
15	GENERAL BUILDING CONTRACTORS	273.06	271.18	284.06	282.51	-	7.38	7.45	7.74	7.74	-
16	HEAVY CONSTRUCTION CONTRACTORS	265.49	278.78	270.96	280.40	-	6.79	7.04	6.93	7.01	-
161	Highway and street construction	249.32	269.74	252.33	274.85	-	6.28	6.71	6.47	6.72	-
162	Heavy construction, nec	277.87	286.21	282.30	284.53	-	7.18	7.32	7.22	7.24	-
17	SPECIAL TRADE CONTRACTORS	286.04	292.07	299.16	299.52	-	7.88	7.98	8.31	8.32	-
171	Plumbing, heating, air conditioning	300.80	309.04	320.72	318.27	-	8.00	8.09	8.44	8.51	-
172	Painting, paper hanging, decorating	253.69	260.87	268.15	268.81	-	7.29	7.39	7.75	7.86	-
173	Electrical work	328.62	337.42	346.70	344.10	-	8.74	8.81	9.27	9.30	-
174	Masonry, stonework, and plastering	262.57	264.42	265.98	270.73	-	7.70	7.80	8.06	8.13	-
176	Roofing and sheetmetal work	234.77	234.65	233.42	241.24	-	7.05	7.22	7.41	7.40	-
-	MANUFACTURING	198.74	205.82	220.30	220.80	224.47	5.07	5.12	5.48	5.52	5.57
19,24,25,32-39	DURABLE GOODS	214.24	224.54	238.27	239.32	244.96	5.41	5.49	5.84	5.88	5.96
20,23,26-31	NONDURABLE GOODS	176.72	180.85	194.54	195.11	196.00	4.59	4.59	4.95	4.99	5.00
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	220.81	228.73	249.70	251.13	248.46	5.59	5.62	6.12	6.14	6.15
192	Ammunition, except for small arms	223.47	229.65	255.15	254.12	256.48	5.73	5.77	6.30	6.29	6.38
1925	Complete guided missiles	244.22	249.77	286.59	281.76	-	6.23	6.26	6.99	6.94	-
1929	Ammunition, exc. for small arms, nec	183.74	192.15	200.88	205.71	-	4.76	4.84	5.06	5.13	-
24	LUMBER AND WOOD PRODUCTS	180.80	186.24	194.62	196.80	199.30	4.52	4.61	4.89	4.92	4.97
242	Sawmills and planing mills	178.61	184.54	194.88	197.55	(*)	4.41	4.49	4.80	4.83	(*)
2421	Sawmills and planing mills, general	185.95	192.40	203.50	206.23	-	4.58	4.67	5.00	5.03	-
243	Millwork, plywood and related products	185.72	192.56	203.66	203.54	204.69	4.69	4.79	5.13	5.14	5.13
2431	Millwork	177.56	182.75	192.37	191.67	-	4.60	4.65	4.92	4.94	-
2432	Veneer and plywood	198.03	206.59	225.63	225.36	-	4.83	4.99	5.45	5.47	-
244	Wooden containers	138.41	142.09	141.31	142.46	(*)	3.54	3.57	3.68	3.71	(*)
2441,2	Wooden boxes, shooks, and crates	134.94	137.31	139.43	140.14	-	3.46	3.45	3.65	3.64	-
249	Miscellaneous wood products	158.28	158.36	162.77	163.14	(*)	3.87	3.91	4.10	4.13	(*)
25	FURNITURE AND FIXTURES	148.19	151.70	159.64	159.14	162.35	3.91	3.93	4.19	4.21	4.25
251	Household furniture	139.86	142.85	149.67	148.08	(*)	3.70	3.72	3.97	3.97	(*)
2511	Wood household furniture	132.86	136.42	141.35	140.25	-	3.46	3.48	3.71	3.73	-
2512	Upholstered household furniture	146.86	147.63	159.10	155.36	-	3.98	3.99	4.30	4.28	-
2515	Mattresses and bedsprings	158.36	159.22	167.81	169.80	-	4.28	4.28	4.56	4.54	-
252	Office furniture	169.22	174.76	188.18	191.04	-	4.35	4.38	4.74	4.80	-
254	Partitions and fixtures	182.28	188.02	199.25	196.72	-	4.71	4.76	5.07	5.07	-
253,9	Other furniture and fixtures	165.61	168.58	179.96	182.75	184.24	4.44	4.39	4.65	4.71	4.70
32	STONE, CLAY, AND GLASS PRODUCTS	212.16	218.29	229.48	234.32	240.24	5.20	5.26	5.57	5.66	5.72
321	Flat glass	279.86	290.25	292.40	315.66	-	6.76	6.75	7.08	7.29	-
322	Glass and glassware, pressed or blown	218.29	218.69	236.57	242.98	(*)	5.43	5.36	5.77	5.97	(*)
3221	Glass containers	227.29	228.80	245.78	253.56	-	5.64	5.54	5.88	6.23	-
3229	Pressed and blown glass, nec	204.91	204.51	222.48	226.95	-	5.11	5.10	5.59	5.59	-
324	Cement, hydraulic	301.89	304.61	321.20	315.67	(*)	7.12	7.27	7.54	7.57	(*)
325	Structural clay products	170.98	173.46	180.90	185.69	187.46	4.16	4.20	4.50	4.54	4.55
3251	Brick and structural clay tile	155.66	161.70	161.60	165.65	-	3.76	3.85	4.03	4.07	-
326	Pottery and related products	169.99	175.56	194.93	195.92	-	4.45	4.49	4.91	4.96	-
327	Concrete, gypsum, and plaster products	216.30	225.65	230.54	241.30	248.40	5.15	5.26	5.45	5.56	5.62
328,9	Other stone and nonmetallic mineral products	202.61	210.33	218.70	219.37	(*)	5.04	5.13	5.40	5.43	(*)
3291	Abrasive products	197.85	207.60	214.38	207.82	-	5.06	5.19	5.40	5.37	-

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 P	May 1977 P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 P	May 1977 P
—	TOTAL PRIVATE	35.8	36.1	36.0	35.9	36.1	—	—	—	—	—
—	MINING	42.3	42.5	43.7	43.9	43.6	—	—	—	—	—
10	METAL MINING	42.7	42.2	41.1	41.5	—	—	—	—	—	
101	Iron ores	42.8	42.2	42.6	42.4	—	—	—	—	—	
102	Copper ores	42.6	41.6	39.0	39.3	—	—	—	—	—	
11,12	COAL MINING	39.0	39.6	41.6	41.3	—	—	—	—	—	
12	Bituminous coal and lignite mining	38.9	39.5	41.6	41.3	—	—	—	—	—	
13	OIL AND GAS EXTRACTION	44.1	44.3	46.0	46.0	—	—	—	—	—	
131,2	Crude petroleum and natural gas fields	40.8	40.6	41.3	42.1	—	—	—	—	—	
138	Oil and gas field services	45.9	46.1	48.1	47.8	—	—	—	—	—	
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.8	44.1	43.7	44.9	—	—	—	—	—	
142	Crushed and broken stone	43.8	44.2	43.8	45.3	—	—	—	—	—	
—	CONTRACT CONSTRUCTION	37.1	37.2	36.8	36.9	37.3	—	—	—	—	
15	GENERAL BUILDING CONTRACTORS	37.0	36.4	36.7	36.5	—	—	—	—	—	
16	HEAVY CONSTRUCTION CONTRACTORS	39.1	39.6	39.1	40.0	—	—	—	—	—	
161	Highway and street construction	39.7	40.2	39.0	40.9	—	—	—	—	—	
162	Heavy construction, nec	38.7	39.1	39.1	39.3	—	—	—	—	—	
17	SPECIAL TRADE CONTRACTORS	36.3	36.6	36.0	36.0	—	—	—	—	—	
171	Plumbing, heating, air conditioning	37.6	38.2	38.0	37.4	—	—	—	—	—	
172	Painting, paper hanging, decorating	34.8	35.3	34.6	34.2	—	—	—	—	—	
173	Electrical work	37.6	38.3	37.4	37.0	—	—	—	—	—	
174	Masonry, stonework, and plastering	34.1	33.9	33.0	33.3	—	—	—	—	—	
176	Roofing and sheet metal work	33.3	32.5	31.5	32.6	—	—	—	—	—	
—	MANUFACTURING	39.2	40.2	40.2	40.0	40.3	2.4	3.1	3.2	3.1	
19,24,25,32-39	DURABLE GOODS	39.6	40.9	40.8	40.7	41.1	2.3	3.3	3.3	3.3	
20-23,26-31	NONDURABLE GOODS	38.5	39.4	39.3	39.1	39.2	2.5	3.0	2.9	2.9	
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	39.5	40.7	40.8	40.9	40.4	1.7	2.2	2.7	2.7	
192	Ammunition, except for small arms	39.0	39.8	40.5	40.4	40.2	1.6	1.6	2.4	2.0	
1925	Complete guided missiles	39.2	39.9	41.0	40.6	—	—	—	—	—	
1929	Ammunition, exc. for small arms, nec	38.6	39.7	39.7	40.1	—	—	—	—	—	
24	LUMBER AND WOOD PRODUCTS	40.0	40.4	39.8	40.0	40.1	3.3	3.6	3.5	3.6	
242	Sawmills and planing mills	40.5	41.1	40.6	40.9	(*)	3.7	4.2	4.1	4.3	
2421	Sawmills and planing mills, general	40.6	41.2	40.7	41.0	—	—	—	—	—	
243	Millwork, plywood and related products	39.6	40.2	39.7	39.6	39.9	2.9	3.3	3.1	3.1	
2431	Millwork	38.6	39.3	39.1	38.8	—	—	—	—	—	
2432	Veneer and plywood	41.0	41.4	41.4	41.2	—	—	—	—	—	
244	Wooden containers	39.1	39.8	38.4	38.4	(*)	2.4	2.8	2.3	2.3	
2441,2	Wooden boxes, shooks, and crates	39.0	39.8	38.2	38.5	—	—	—	—	—	
249	Miscellaneous wood products	40.9	40.5	39.7	39.5	(*)	3.7	3.6	3.4	3.4	
25	FURNITURE AND FIXTURES	37.9	38.6	38.1	37.8	38.2	1.7	2.0	1.9	1.8	
251	Household furniture	37.8	38.4	37.7	37.3	(*)	1.7	2.0	1.9	1.7	
2511	Wood household furniture	38.4	39.2	38.1	37.6	—	2.0	2.3	2.3	2.0	
2512	Upholstered household furniture	36.9	37.0	37.0	36.3	—	—	—	—	—	
2515	Mattresses and bedsprings	37.0	37.2	36.8	37.4	—	—	—	—	—	
252	Office furniture	38.9	39.9	39.7	39.8	—	1.7	1.9	2.1	2.5	
254	Partitions and fixtures	38.7	39.5	39.3	38.8	—	1.8	2.4	2.2	1.8	
253,9	Other furniture and fixtures	37.3	38.4	38.7	38.8	39.2	1.0	1.5	1.2	1.5	
32	STONE, CLAY, AND GLASS PRODUCTS	40.8	41.5	41.2	41.4	42.0	3.8	4.2	4.2	4.4	
321	Flat glass	41.4	43.0	41.3	43.3	—	3.6	6.1	5.4	7.0	
322	Glass and glassware, pressed or blown	40.2	40.8	41.0	40.7	(*)	4.4	4.2	4.1	3.9	
3221	Glass containers	40.3	41.3	41.8	40.7	—	—	—	—	—	
3229	Pressed and blown glass, nec	40.1	40.1	39.8	40.6	—	2.9	3.0	2.9	3.5	
324	Cement, hydraulic	42.4	41.9	42.6	41.7	(*)	3.3	3.1	3.9	3.9	
325	Structural clay products	41.1	41.3	40.2	40.9	41.2	3.5	3.7	3.5	3.8	
3251	Brick and structural clay tile	41.4	42.0	40.1	40.7	—	—	—	—	—	
326	Pottery and related products	38.2	39.1	39.7	39.5	—	2.0	2.0	2.4	2.1	
327	Concrete, gypsum and plaster products	42.0	42.9	42.3	43.4	44.2	4.9	5.8	5.6	6.2	
328,9	Other stone and nonmetallic mineral products	40.2	41.0	40.5	40.4	(*)	2.7	3.3	3.5	3.5	
3291	Abrasive products	39.1	40.0	39.7	38.7	—	—	—	—	—	

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	\$274.19	\$275.26	\$292.33	\$298.19	\$308.67	\$6.77	\$6.73	\$7.13	\$7.22	\$7.42
331	Blast furnace and basic steel products	319.66	304.36	321.20	334.53	(*)	7.74	7.59	7.99	8.10	(*)
3312	Blast furnaces and steel mills	329.51	310.42	327.62	342.38	—	7.94	7.78	8.17	8.29	—
332	Iron and steel foundries	233.24	250.31	266.26	265.52	(*)	5.95	6.12	6.51	6.54	(*)
3321	Gray iron foundries	240.12	262.70	277.79	276.86	—	6.11	6.33	6.71	6.72	—
3322	Malleable iron foundries	257.02	255.58	268.23	269.70	—	6.54	6.52	6.86	6.88	—
3323	Steel foundries	206.56	216.94	235.57	233.64	—	5.31	5.41	5.86	5.90	—
333,4	Nonferrous metals	272.39	273.06	287.99	290.92	(*)	6.47	6.44	6.99	7.01	(*)
3334	Primary aluminum	305.73	305.42	320.17	320.17	—	7.11	7.07	7.79	7.79	—
335	Nonferrous rolling and drawing	238.50	251.01	276.27	275.63	(*)	5.86	5.92	6.41	6.44	(*)
3351	Copper rolling and drawing	237.51	255.58	273.81	277.83	—	5.85	5.93	6.28	6.30	—
3352	Aluminum rolling and drawing	254.00	259.06	288.84	289.58	—	6.15	6.11	6.64	6.75	—
3357	Nonferrous wire drawing and insulating	234.14	251.26	271.78	267.97	—	5.81	5.94	6.35	6.32	—
336	Nonferrous foundries	197.88	211.53	223.99	225.48	234.21	5.10	5.21	5.49	5.54	5.63
3361	Aluminum castings	205.67	218.41	228.63	231.24	—	5.26	5.34	5.59	5.64	—
3362,9	Other nonferrous castings	187.88	202.31	217.62	218.43	—	4.88	5.02	5.36	5.42	—
339	Miscellaneous primary metal products	237.12	263.16	280.03	278.52	(*)	6.24	6.45	6.83	6.86	(*)
3391	Iron and steel forgings	248.25	281.67	294.35	290.80	—	6.62	6.87	7.25	7.27	—
34	FABRICATED METAL PRODUCTS	207.64	221.40	230.52	229.64	234.93	5.27	5.40	5.65	5.67	5.73
341	Metal cans	288.15	314.94	312.48	321.35	326.63	6.91	7.03	7.25	7.32	7.34
342	Cutlery, hand tools, and hardware	196.17	210.60	211.56	213.09	217.24	5.03	5.20	5.16	5.21	5.26
3421,3,5	Cutlery and hand tools, incl. saws	184.94	192.96	204.83	202.51	—	4.73	4.80	5.07	5.05	—
3429	Hardware, nec	204.61	223.04	216.52	219.83	—	5.26	5.48	5.23	5.31	—
343	Plumbing and heating, except electric	181.81	192.00	201.89	203.54	—	4.71	4.80	5.06	5.14	—
3431,2	Sanitary ware and plumbers' brass goods	185.73	192.23	201.33	201.76	—	4.75	4.83	5.11	5.20	—
3433	Heating equipment, except electric	177.93	191.75	203.31	205.13	—	4.67	4.77	5.02	5.09	—
344	Fabricated structural metal products	204.75	212.38	222.56	220.34	(*)	5.21	5.27	5.55	5.55	(*)
3441	Fabricated structural steel	222.08	226.87	233.45	234.09	—	5.47	5.52	5.75	5.78	—
3442	Metal doors, sash, and trim	163.97	169.03	174.15	174.09	—	4.27	4.29	4.50	4.51	—
3443	Fabricated plate work (boiler shops)	216.38	228.02	245.83	240.19	—	5.52	5.63	6.04	6.05	—
3444	Sheet metal work	209.21	218.80	227.29	224.80	—	5.42	5.47	5.64	5.62	—
3446,9	Architectural and misc. metal work	192.27	199.98	208.17	209.75	—	4.88	4.95	5.27	5.31	—
345	Screw machine products, bolts, etc	202.98	214.04	234.90	233.10	233.52	5.10	5.17	5.34	5.35	5.60
3451	Screw machine products	196.18	202.95	223.66	218.93	—	4.88	4.95	5.30	5.25	—
3452	Bolts, nuts, rivets, and washers	209.75	224.88	246.65	247.62	—	5.31	5.38	5.79	5.84	—
346	Metal stampings	227.56	257.84	264.47	266.09	(*)	5.82	6.11	6.53	6.57	(*)
347	Metal services, nec	171.43	177.68	186.59	184.67	189.34	4.34	4.42	4.63	4.64	4.71
348	Miscellaneous fabricated wire products	181.03	191.50	194.08	196.09	197.78	4.63	4.74	4.84	4.89	4.92
349	Miscellaneous fabricated metal products	205.65	213.91	232.40	229.45	232.37	5.18	5.23	5.60	5.61	5.64
3494,8	Valves, pipe, and pipe fittings	213.60	219.22	238.83	234.43	—	5.34	5.36	5.70	5.69	—
35	MACHINERY, EXCEPT ELECTRICAL	224.80	233.29	250.66	249.67	253.15	5.62	5.69	6.04	6.06	6.10
351	Engines and turbines	248.22	263.74	284.12	280.28	(*)	6.30	6.48	7.05	7.06	(*)
3511	Steam engines and turbines	237.55	241.08	263.31	256.36	—	5.88	5.88	6.55	6.49	—
3519	Internal combustion engines, nec	253.50	273.78	292.58	290.94	—	6.50	6.76	7.26	7.31	—
352	Farm machinery	241.59	246.04	261.43	260.53	—	5.98	6.06	6.33	6.37	—
353	Construction and related machinery	233.25	242.00	265.60	264.27	(*)	5.92	5.99	6.40	6.43	(*)
3531,2	Construction and mining machinery	247.68	255.42	283.03	282.98	—	6.40	6.45	6.92	6.97	—
3533	Oil field machinery	218.15	229.32	261.51	255.85	—	5.36	5.46	5.93	5.95	—
3535,6	Conveyors, hoists, cranes, monorails	222.20	230.18	231.73	233.74	—	5.50	5.56	5.75	5.80	—
3537	Industrial trucks and tractors	208.68	212.65	238.86	235.42	—	5.31	5.37	5.84	5.77	—
354	Metal working machinery	235.07	243.78	271.13	269.86	(*)	5.79	5.86	6.32	6.32	(*)
3541	Machine tools, metal cutting types	233.16	244.11	277.53	279.24	—	5.80	5.84	6.38	6.39	—
3544	Special dies, tools, jigs and fixtures	257.69	267.50	297.04	294.13	—	6.15	6.25	6.69	6.70	—
3545	Machine tool accessories	212.26	218.43	247.63	245.61	—	5.36	5.42	5.91	5.89	—
3542,8	Miscellaneous metal working machinery	208.12	217.48	231.38	230.58	—	5.35	5.41	5.77	5.75	—
355	Special industry machinery	207.23	216.48	234.58	228.66	234.77	5.22	5.28	5.68	5.66	5.74
3551	Food products machinery	217.25	227.26	244.73	237.01	—	5.50	5.57	5.94	5.94	—
3552	Textile machinery	173.31	180.63	192.44	187.53	—	4.41	4.46	4.74	4.70	—
3555	Printing trades machinery	212.79	222.35	246.19	239.00	—	5.36	5.41	5.99	5.99	—
356	General industrial machinery	220.81	229.80	246.19	247.85	249.69	5.59	5.66	5.99	6.06	6.09
3561	Pumps and compressors	222.64	231.18	253.20	252.89	—	5.58	5.68	6.00	6.05	—
3562	Ball and roller bearings	226.58	239.90	250.51	258.96	—	5.78	5.88	6.11	6.24	—
3564	Blowers and fans	207.20	211.70	228.63	226.57	—	5.18	5.24	5.59	5.65	—
3566	Power transmission equipment	219.29	231.65	245.37	242.19	—	5.58	5.65	5.97	5.98	—
357	Office and computing machines	214.13	218.09	221.90	219.76	221.78	5.21	5.23	5.36	5.36	5.37
3573	Electronic computing equipment	224.52	227.52	228.10	225.78	—	5.41	5.43	5.47	5.48	—
358	Service industry machines	202.24	207.57	218.14	221.50	224.52	5.12	5.10	5.44	5.51	5.53
3585	Refrigeration machinery	203.78	208.18	216.22	222.80	—	5.12	5.09	5.46	5.57	—
359	Miscellaneous machinery, except electrical ..	218.83	231.02	244.44	243.11	246.87	5.43	5.54	5.82	5.83	5.85

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	40.5	40.9	41.0	41.3	41.6	3.1	3.5	3.4	3.6	—
331	Blast furnace and basic steel products	41.3	40.1	40.2	41.3	(*)	3.2	2.5	2.6	3.0	—
3312	Blast furnaces and steel mills	41.5	39.9	40.1	41.3	—	3.3	2.4	2.5	2.9	—
332	Iron and steel foundries	39.2	40.9	40.9	40.6	(*)	2.8	4.3	3.9	4.1	—
3321	Gray iron foundries	39.3	41.5	41.4	41.2	—	3.1	4.8	4.2	4.6	—
3322	Malleable iron foundries	39.3	39.2	39.1	39.2	—	—	—	—	—	—
3323	Steel foundries	38.9	40.1	40.2	39.6	—	2.3	3.4	3.8	3.2	—
333,4	Nonferrous metals	42.1	42.4	41.2	41.5	(*)	3.9	4.1	3.4	3.4	—
3334	Primary aluminum	43.0	43.2	41.1	41.1	—	—	—	—	—	—
335	Nonferrous rolling and drawing	40.7	42.4	43.1	42.8	(*)	3.7	4.8	5.2	5.3	—
3351	Copper rolling and drawing	40.6	43.1	43.6	44.1	—	—	—	—	—	—
3352	Aluminum rolling and drawing	41.3	42.4	43.5	42.9	—	5.2	5.4	6.4	6.5	—
3357	Nonferrous wire drawing and insulating	40.3	42.3	42.8	42.4	—	2.4	4.4	4.7	4.6	—
336	Nonferrous foundries	38.8	40.6	40.8	40.7	41.6	2.0	3.2	3.2	3.2	—
3361	Aluminum castings	39.1	40.9	40.9	41.0	—	—	—	—	—	—
3362,9	Other nonferrous castings	38.5	40.3	40.6	40.3	—	—	—	—	—	—
339	Miscellaneous primary metal products	38.0	40.8	41.0	40.6	(*)	1.8	4.1	3.8	3.9	—
3391	Iron and steel forgings	37.5	41.0	40.6	40.0	—	—	—	—	—	—
34	FABRICATED METAL PRODUCTS	39.4	41.0	40.8	40.5	41.0	2.1	3.4	3.3	3.3	—
341	Metal cans	41.7	44.8	43.1	43.9	44.5	3.6	4.7	3.9	3.6	—
342	Cutlery, hand tools, and hardware	39.0	40.5	41.0	40.9	41.3	1.5	2.8	3.3	3.4	—
3421,3,5	Cutlery and hand tools, incl. saws	39.1	40.2	40.4	40.1	—	—	—	—	—	—
3429	Hardware, nec	38.9	40.7	41.4	41.4	—	—	—	—	—	—
343	Plumbing and heating, except electric	38.6	40.0	39.9	39.6	—	1.8	3.0	2.9	2.9	—
3431,2	Sanitary ware and plumbers' brass goods	39.1	39.8	39.4	38.8	—	—	—	—	—	—
3433	Heating equipment, except electric	38.1	40.2	40.5	40.3	—	—	—	—	—	—
344	Fabricated structural metal products	39.3	40.3	40.1	39.7	(*)	2.0	2.8	2.5	2.5	—
3441	Fabricated structural steel	40.6	41.1	40.6	40.5	—	2.7	3.1	2.7	2.5	—
3442	Metal doors, sash, and trim	38.4	39.4	38.7	38.6	—	—	—	—	—	—
3443	Fabricated plate work (boiler shops)	39.2	40.5	40.7	39.7	—	1.6	2.8	2.8	2.5	—
3444	Sheet metal work	38.6	40.0	40.3	40.0	—	—	—	—	—	—
3446,9	Architectural and misc. metal work	39.4	40.4	39.5	39.5	—	—	—	—	—	—
345	Screw machine products, bolts, etc	39.8	41.4	42.4	42.0	41.7	2.3	3.5	4.3	4.3	—
3451	Screw machine products	40.2	41.0	42.2	41.7	—	—	—	—	—	—
3452	Bolts, nuts, rivets, and washers	39.5	41.8	42.6	42.4	—	—	—	—	—	—
346	Metal stampings	39.1	42.2	40.5	40.5	(*)	2.1	4.7	4.3	4.5	—
347	Metal services, nec	39.5	40.2	40.3	39.8	40.2	2.8	3.3	3.4	3.0	—
348	Miscellaneous fabricated wire products	39.1	40.4	40.1	40.1	40.2	1.7	3.0	2.5	2.7	—
349	Miscellaneous fabricated metal products	39.7	40.9	41.5	40.9	41.2	2.4	3.0	3.4	3.2	—
3494,8	Valves, pipe, and pipe fittings	40.0	40.9	41.9	41.2	—	—	—	—	—	—
35	MACHINERY, EXCEPT ELECTRICAL	40.0	41.0	41.5	41.2	41.5	2.2	3.0	3.6	3.4	—
351	Engines and turbines	39.4	40.7	40.3	39.7	(*)	1.9	3.4	2.6	2.6	—
3511	Steam engines and turbines	40.4	41.0	40.2	39.5	—	—	—	—	—	—
3519	Internal combustion engines, nec	39.0	40.5	40.3	39.8	—	—	—	—	—	—
352	Farm machinery	40.4	40.6	41.3	40.9	—	2.1	2.6	3.8	3.5	—
353	Construction and related machinery	39.4	40.4	41.5	41.1	(*)	1.6	2.4	2.8	2.8	—
3531,2	Construction and mining machinery	38.7	39.6	40.9	40.6	—	.8	1.7	2.3	2.3	—
3533	Oil field machinery	40.7	42.0	44.1	43.0	—	—	—	—	—	—
3535,6	Conveyors, hoists, cranes, monorails	40.4	41.4	40.3	40.3	—	—	—	—	—	—
3537	Industrial trucks and tractors	39.3	39.6	40.9	40.8	—	—	—	—	—	—
354	Metal working machinery	40.6	41.6	42.9	42.7	(*)	2.9	4.0	5.3	4.9	—
3541	Machine tools, metal cutting types	40.2	41.8	43.5	43.7	—	2.2	3.3	4.5	4.6	—
3544	Special dies, tools, jig and fixtures	41.9	42.8	44.4	43.9	—	—	—	—	—	—
3545	Machine tool accessories	39.6	40.3	41.9	41.7	—	2.1	2.9	4.1	3.9	—
3542,8	Miscellaneous metal working machinery	38.9	40.2	40.1	40.1	—	—	—	—	—	—
355	Special industry machinery	39.7	41.0	41.3	40.4	40.9	2.0	2.8	3.3	2.8	—
3551	Food products machinery	39.5	40.8	41.2	39.9	—	—	—	—	—	—
3552	Textile machinery	39.3	40.5	40.6	39.9	—	—	—	—	—	—
3555	Printing trades machinery	39.7	41.1	41.1	39.9	—	—	—	—	—	—
356	General industrial machinery	39.5	40.6	41.1	40.9	41.0	1.8	2.6	3.3	3.2	—
3561	Pumps and compressors	39.9	40.7	42.2	41.8	—	2.2	2.8	4.3	3.9	—
3562	Ball and roller bearings	39.2	40.8	41.0	41.5	—	1.3	2.7	3.3	4.0	—
3564	Blowers and fans	40.0	40.4	40.9	40.1	—	—	—	—	—	—
3566	Power transmission equipment	39.3	41.0	41.1	40.5	—	2.0	2.9	3.0	2.7	—
357	Office and computing machines	41.1	41.7	41.4	41.0	41.3	1.8	2.4	3.1	2.6	—
3573	Electronic computing equipment	41.5	41.9	41.7	41.2	—	—	—	—	—	—
358	Service industry machines	39.5	40.7	40.1	40.2	40.6	2.1	2.5	2.2	2.2	—
3585	Refrigeration machinery	39.8	40.9	39.6	40.0	—	2.2	2.5	2.1	2.2	—
359	Miscellaneous machinery, except electrical	40.3	41.7	42.0	41.7	42.2	2.9	3.9	4.2	4.0	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$185.64	\$193.76	\$208.24	\$207.88	\$210.65	\$4.76	\$4.82	\$5.18	\$5.21	\$5.24
361	Electric test and distributing equipment	194.64	200.10	215.74	213.47	216.41	4.94	4.99	5.34	5.35	5.37
3611	Electric measuring instruments	190.51	203.50	208.64	207.08	—	4.86	5.00	5.19	5.19	—
3612	Transformers	185.47	186.26	208.08	204.91	—	4.66	4.68	5.10	5.11	—
3613	Switchgear and switchboard apparatus	203.84	208.00	225.52	224.31	—	5.20	5.20	5.61	5.65	—
362	Electrical industrial apparatus	189.34	196.26	210.53	213.19	(*)	4.83	4.87	5.25	5.29	(*)
3621	Motors and generators	191.69	200.07	216.01	219.65	—	4.89	4.94	5.36	5.41	—
3622	Industrial controls	176.72	184.14	192.27	192.73	—	4.59	4.65	4.93	4.98	—
363	Household appliances	184.08	192.08	204.06	202.91	206.84	4.72	4.79	5.14	5.15	5.21
3632	Household refrigerators and freezers	194.24	201.79	218.24	218.69	—	4.93	5.07	5.31	5.36	—
3633	Household laundry equipment	211.46	218.44	231.86	228.23	—	5.45	5.53	6.15	6.07	—
3634	Electric housewares and fans	157.80	163.98	173.16	171.99	—	4.12	4.12	4.44	4.41	—
364	Electric lighting and wiring equipment	180.18	185.44	193.91	193.16	195.72	4.55	4.59	4.86	4.89	4.93
3641	Electric lamps	186.24	188.60	217.57	210.08	—	4.61	4.60	5.23	5.20	—
3642	Lighting fixtures	192.63	195.20	189.63	191.46	—	4.84	4.88	4.90	4.96	—
3643,4	Wiring devices	168.52	176.55	185.93	186.59	—	4.31	4.37	4.66	4.70	—
365	Radio and TV receiving equipment	151.79	175.87	181.74	179.52	179.79	4.24	4.43	4.77	4.80	4.82
366	Communication equipment	214.42	221.25	249.00	246.00	249.23	5.47	5.49	6.00	6.00	6.02
3661	Telephone and telegraph apparatus	219.06	225.74	258.30	256.23	—	5.56	5.56	6.15	6.13	—
3662	Radio and TV communication equipment	211.92	218.55	241.26	237.37	—	5.42	5.45	5.87	5.89	—
367	Electronic components and accessories	156.36	160.79	175.00	172.66	175.20	4.03	4.05	4.35	4.36	4.38
3671-3	Electron tubes	200.27	204.06	226.87	220.80	—	5.07	5.14	5.52	5.52	—
3674,9	Other electronic components	150.16	155.23	167.16	166.72	—	3.88	3.91	4.20	4.21	—
369	Miscellaneous electrical equip. and supplies	213.05	230.87	241.08	246.19	(*)	5.38	5.59	5.88	5.99	(*)
3694	Engine electrical equipment	228.52	253.15	261.53	271.58	—	5.80	6.10	6.41	6.56	—
37	TRANSPORTATION EQUIPMENT	251.77	275.40	296.38	293.58	305.45	6.31	6.48	6.99	6.99	7.12
371	Motor vehicles and equipment	277.70	312.76	342.77	337.70	(*)	6.84	7.06	7.72	7.71	(*)
3711	Motor vehicles	289.07	327.15	367.89	352.00	—	7.12	7.27	8.05	8.00	—
3712	Passenger car bodies	305.92	352.27	396.17	363.76	—	7.61	7.97	8.65	8.44	—
3713	Truck and bus bodies	214.34	225.74	246.84	244.02	—	5.44	5.56	6.05	6.04	—
3714	Motor vehicle parts and accessories	275.26	310.10	332.56	340.67	—	6.73	7.00	7.61	7.69	—
3715	Truck trailers	192.15	196.39	215.54	208.28	—	5.03	5.01	5.27	5.22	—
372	Aircraft and parts	249.71	260.53	280.22	277.01	(*)	6.29	6.37	6.72	6.74	(*)
3721	Aircraft	263.56	268.06	290.51	287.58	—	6.54	6.57	6.95	6.98	—
3722	Aircraft engines and engine parts	237.22	257.58	281.26	277.70	—	6.21	6.36	6.86	6.84	—
3723,9	Other aircraft parts and equipment	233.78	246.51	263.13	261.66	—	5.83	5.94	6.25	6.29	—
373	Ship and boat building and repairing	212.62	221.20	226.01	232.07	(*)	5.48	5.60	5.84	5.89	(*)
3731	Ship building and repairing	224.46	235.03	240.24	248.22	—	5.83	5.95	6.24	6.30	—
3732	Boat building and repairing	172.30	175.08	179.60	181.24	—	4.34	4.41	4.57	4.60	—
374	Railroad equipment	250.37	261.89	286.94	(*)	—	6.52	6.63	7.12	(*)	—
375,9	Other transportation equipment	168.73	179.08	181.58	183.83	—	4.36	4.40	4.68	4.75	—
38	INSTRUMENTS AND RELATED PRODUCTS	188.42	195.77	205.53	203.49	206.63	4.77	4.81	5.10	5.10	5.14
381	Engineering and scientific instruments	199.50	206.04	218.69	221.40	—	5.00	5.05	5.36	5.40	—
382	Mechanical measuring and control devices	179.08	190.54	203.50	200.20	202.50	4.58	4.67	5.00	4.98	5.00
3821	Mechanical measuring devices	181.74	193.19	208.08	206.85	—	4.66	4.77	5.10	5.12	—
3822	Automatic temperature controls	174.83	186.22	195.69	189.13	—	4.46	4.52	4.82	4.74	—
383,5	Optical and ophthalmic goods	166.18	172.46	182.91	180.12	182.62	4.25	4.29	4.55	4.56	4.60
385	Ophthalmic goods	149.76	156.42	165.42	164.44	—	3.90	3.94	4.22	4.26	—
384	Medical instruments and supplies	160.90	170.34	178.48	175.76	179.27	4.19	4.28	4.53	4.53	4.55
386	Photographic equipment and supplies	255.62	257.23	264.04	264.68	(*)	6.13	6.11	6.44	6.44	(*)
387	Watches, clocks, and watchcases	147.84	157.17	163.90	162.68	—	3.85	3.90	4.16	4.15	—
39	MISC. MANUFACTURING INDUSTRIES	150.10	154.41	167.81	165.68	167.70	3.95	3.99	4.27	4.27	4.30
391	Jewelry, silverware, and plated ware	160.55	164.19	177.18	173.64	176.09	4.17	4.21	4.52	4.51	4.55
394	Toys and sporting goods	138.00	141.30	153.65	152.87	—	3.68	3.67	3.96	3.95	—
3941-3	Games, toys, dolls and play vehicles	130.65	132.33	144.40	144.40	—	3.56	3.51	3.80	3.78	—
3949	Sporting and athletic goods, nec	145.16	150.90	162.36	160.70	—	3.79	3.83	4.10	4.11	—
395	Pens, pencils, office and art supplies	152.86	157.56	171.23	171.57	—	3.86	3.90	4.27	4.30	—
396	Costume jewelry and notions	129.11	132.00	149.29	146.66	—	3.48	3.52	3.77	3.78	—
393,9	Other manufacturing industries	162.31	168.78	180.45	177.32	179.72	4.26	4.35	4.58	4.57	4.62
393	Musical instruments and parts	150.91	156.00	167.14	164.44	—	3.93	4.00	4.21	4.26	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	192.27	196.00	206.71	207.64	210.41	4.88	4.90	5.22	5.27	5.30
201	Meat products	198.58	198.90	205.74	207.28	211.46	5.04	5.01	5.33	5.37	5.34
2011.	Meat packing plants	246.51	243.98	261.04	257.00	—	5.94	5.98	6.29	6.33	—
2013	Sausages and other prepared meats	235.94	238.55	244.05	253.20	—	5.84	5.89	6.21	6.33	—
2015	Poultry dressing plants	115.16	121.72	119.02	121.43	—	3.19	3.22	3.43	3.44	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.0	40.2	40.2	39.9	40.2	1.5	2.3	2.3	2.3	—
361	Electric test and distributing equipment	39.4	40.1	40.4	39.9	40.3	1.6	2.0	2.3	2.1	—
3611	Electric measuring instruments	39.2	40.7	40.2	39.9	—	1.3	2.0	1.9	1.7	—
3612	Transformers	39.8	39.8	40.8	40.1	—	—	—	—	—	—
3613	Switchgear and switchboard apparatus	39.2	40.0	40.2	39.7	—	—	—	—	—	—
362	Electrical industrial apparatus	39.2	40.3	40.1	40.3	(*)	1.8	2.4	2.3	2.4	—
3621	Motors and generators	39.2	40.5	40.3	40.6	—	2.0	2.6	2.6	2.8	—
3622	Industrial controls	38.5	39.6	39.0	38.7	—	1.1	1.7	1.2	1.4	—
363	Household appliances	39.0	40.1	39.7	39.4	39.7	1.5	2.1	2.2	1.9	—
3632	Household refrigerators and freezers	39.4	39.8	41.1	40.8	—	—	—	—	—	—
3633	Household laundry equipment	38.8	39.5	37.7	37.6	—	—	—	—	—	—
3634	Electric housewares and fans	38.3	39.8	39.0	39.0	—	1.3	2.0	1.8	1.7	—
364	Electric lighting and wiring equipment	39.6	40.4	39.9	39.5	39.7	2.2	2.6	2.2	2.0	—
3641	Electric lamps	40.4	41.0	41.6	40.4	—	2.2	2.5	2.2	1.6	—
3642	Lighting fixtures	39.8	40.0	38.7	38.6	—	2.6	2.9	2.0	2.0	—
3643,4	Wiring devices	39.1	40.4	39.9	39.7	—	1.8	2.4	2.3	2.2	—
365	Radio and TV receiving equipment	35.8	39.7	38.1	37.4	37.3	.3	2.7	1.2	2.3	—
366	Communication equipment	39.2	40.3	41.5	41.0	41.4	1.4	2.0	2.6	2.3	—
3661	Telephone and telegraph apparatus	39.4	40.6	42.0	41.8	—	—	—	—	—	—
3662	Radio and TV communication equipment	39.1	40.1	41.1	40.3	—	1.5	2.1	2.4	1.9	—
367	Electronic components and accessories	38.8	39.7	40.0	39.6	40.0	1.7	2.2	2.1	1.9	—
3671-3	Electron tubes	39.5	39.7	41.1	40.0	—	1.5	1.7	1.7	.9	—
3674,9	Other electronic components	38.7	39.7	39.8	39.6	—	1.7	2.3	2.2	2.0	—
369	Miscellaneous electrical equip. and supplies	39.6	41.3	41.0	41.1	(*)	1.4	3.3	3.4	3.8	—
3694	Engine electrical equipment	39.4	41.5	40.8	41.4	—	—	—	—	—	—
37	TRANSPORTATION EQUIPMENT	39.9	42.5	42.4	42.0	42.9	2.5	4.5	4.7	4.7	—
371	Motor vehicles and equipment	40.6	44.3	44.4	43.8	(*)	2.9	6.0	6.5	6.3	—
3711	Motor vehicles	40.6	45.0	45.7	44.0	—	3.2	6.4	7.7	6.4	—
3712	Passenger car bodies	40.2	44.2	45.8	43.1	—	—	—	—	—	—
3713	Truck and bus bodies	39.4	40.6	40.8	40.4	—	—	—	—	—	—
3714	Motor vehicle parts and accessories	40.9	44.3	43.7	44.3	—	2.9	6.1	5.7	6.7	—
3715	Truck trailers	38.2	39.2	40.9	39.9	—	—	—	—	—	—
372	Aircraft and parts	39.7	40.9	41.7	41.1	(*)	2.0	2.6	2.9	2.8	—
3721	Aircraft	40.3	40.8	41.8	41.2	—	1.9	2.2	2.3	2.2	—
3722	Aircraft engines and engine parts	38.2	40.5	41.0	40.6	—	1.7	2.8	3.0	3.1	—
3723,9	Other aircraft parts and equipment	40.1	41.5	42.1	41.6	—	2.5	3.3	3.9	3.7	—
373	Ship and boat building and repairing	38.8	39.5	38.7	39.4	(*)	2.0	2.9	2.7	3.3	—
3731	Ship building and repairing	38.5	39.5	38.5	39.4	—	—	—	—	—	—
3732	Boat building and repairing	39.7	39.7	39.3	39.4	—	—	—	—	—	—
374	Railroad equipment	38.4	39.5	40.3	(*)	—	1.3	1.8	2.4	(*)	—
375,9	Other transportation equipment	38.7	40.7	38.8	38.7	—	2.3	3.2	2.5	2.7	—
38	INSTRUMENTS AND RELATED PRODUCTS	39.5	40.7	40.3	39.9	40.2	1.8	2.6	2.3	2.1	—
381	Engineering and scientific instruments	39.9	40.8	40.8	41.0	—	2.1	2.4	2.5	2.4	—
382	Mechanical measuring and control devices	39.1	40.8	40.7	40.2	40.5	1.6	2.9	2.6	2.5	—
3821	Mechanical measuring devices	39.0	40.5	40.8	40.4	—	1.3	2.5	2.6	2.5	—
3822	Automatic temperature controls	39.2	41.2	40.6	39.9	—	1.9	3.4	2.5	2.3	—
383,5	Optical and ophthalmic goods	39.1	40.2	40.2	39.5	39.7	1.9	2.5	2.3	1.7	—
385	Ophthalmic goods	38.4	39.7	39.2	38.6	—	1.5	2.2	1.9	1.6	—
384	Medical instruments and supplies	38.4	39.8	39.4	38.8	39.4	1.3	2.3	2.4	2.1	—
386	Photographic equipment and supplies	41.7	42.1	41.0	41.1	(*)	2.8	3.1	2.1	2.1	—
387	Watches, clocks, and watch cases	38.4	40.3	39.4	39.2	—	1.1	2.0	1.8	1.7	—
39	MISC. MANUFACTURING INDUSTRIES	38.0	38.7	39.3	38.8	39.0	1.5	2.1	2.0	1.8	—
391	Jewelry, silverware, and plated ware	38.5	39.0	39.2	38.5	38.7	2.3	2.5	2.4	2.0	—
394	Toys and sporting goods	37.5	38.5	38.8	38.7	—	1.2	1.8	1.6	1.4	—
3941-3	Games, toys, dolls and play vehicles	36.7	37.7	38.0	38.2	—	—	—	—	—	—
3949	Sporting and athletic goods, nec	38.3	39.4	39.6	39.1	—	—	—	—	—	—
395	Pens, pencils, office and art supplies	39.6	40.4	40.1	39.9	—	2.3	3.2	2.3	2.1	—
396	Costume jewelry and notions	37.1	37.5	39.6	38.8	—	1.0	1.7	1.9	1.8	—
393,9	Other manufacturing industries	38.1	38.8	39.4	38.8	38.9	1.6	2.2	2.1	2.0	—
393	Musical instruments and parts	38.4	39.0	39.7	38.6	—	1.1	1.6	1.8	1.4	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	39.4	40.0	39.6	39.4	39.7	3.3	3.7	3.5	3.5	—
201	Meat products	39.4	39.7	38.6	38.6	39.6	3.5	3.6	3.4	3.4	—
2011	Meat packing plants	41.5	40.8	41.5	40.6	—	4.2	3.9	4.5	4.2	—
2013	Sausages and other prepared meats	40.4	40.5	39.3	40.0	—	—	—	—	—	—
2015	Poultry dressing plants	36.1	37.8	34.7	35.3	—	—	—	—	—	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	\$198.17	\$201.20	\$213.69	\$216.24	\$216.66	\$4.81	\$4.86	\$5.10	\$5.10	\$5.11
2024	Ice cream and frozen desserts	188.58	192.23	205.25	202.36	—	4.75	4.83	5.17	5.11	—
2026	Fluid milk	209.08	214.54	224.12	227.48	—	4.99	5.06	5.20	5.17	—
203	Canned, cured, and frozen foods	152.46	160.70	167.69	166.90	—	4.20	4.24	4.52	4.56	—
2031,6	Canned, cured, and frozen sea foods	129.75	130.90	136.55	129.04	—	3.85	3.85	4.04	4.02	—
2032,3	Canned food, except sea foods	166.13	177.24	183.82	182.41	—	4.49	4.51	4.85	4.93	—
2037	Frozen fruits and vegetables	141.23	150.51	157.45	161.16	—	3.88	3.94	4.21	4.23	—
204	Grain mill products	214.66	223.94	238.15	238.10	(*)	5.16	5.22	5.50	5.55	(*)
2041	Flour and other grain mill products	232.85	237.10	268.06	268.76	—	5.28	5.34	5.84	5.83	—
2042	Prepared feeds for animals and fowls	180.89	187.87	199.79	202.78	—	4.38	4.41	4.69	4.76	—
205	Bakery products	196.78	199.92	207.34	209.13	(*)	5.02	5.10	5.33	5.39	(*)
2051	Bread, cake, and related products	195.89	198.51	205.25	207.19	—	5.01	5.09	5.29	5.34	—
2052	Cookies and crackers	202.07	203.66	214.88	214.01	—	5.09	5.13	5.44	5.53	—
206	Sugar	227.42	231.15	236.02	239.77	—	5.52	5.53	5.96	6.07	—
207	Confectionery and related products	168.40	174.49	189.60	186.90	187.94	4.42	4.44	4.74	4.78	4.77
2071	Confectionery products	162.69	166.45	177.58	174.12	—	4.27	4.29	4.53	4.57	—
208	Beverages	226.80	230.11	246.98	255.15	(*)	5.60	5.64	6.19	6.30	(*)
2082	Malt liquors	338.96	339.89	346.72	366.52	—	7.60	7.57	8.12	8.33	—
2086	Bottled and canned soft drinks	171.39	175.92	179.64	182.91	—	4.35	4.42	4.63	4.69	—
209	Miscellaneous foods and kindred products ..	198.49	199.50	212.25	210.12	(*)	4.76	4.75	5.09	5.10	(*)
21	TOBACCO MANUFACTURES	195.07	195.45	202.07	210.17	207.93	5.12	5.13	5.36	5.56	5.53
211	Cigarettes	224.27	222.68	245.25	247.54	—	5.81	5.86	6.37	6.38	—
212	Cigars	113.98	121.06	124.49	122.54	—	3.14	3.12	3.42	3.33	—
22	TEXTILE MILL PRODUCTS	136.93	144.59	155.93	155.19	155.57	3.52	3.57	3.85	3.87	3.87
221	Weaving mills, cotton	140.23	150.54	161.98	159.20	161.20	3.55	3.61	3.97	3.99	4.00
222	Weaving mills, synthetics	140.82	151.66	161.99	166.06	(*)	3.62	3.69	3.99	4.07	(*)
223	Weaving and finishing mills, wool	143.60	153.46	158.37	160.34	160.79	3.59	3.68	3.92	3.93	3.98
224	Narrow fabric mills	134.92	138.38	144.84	143.75	142.32	3.39	3.40	3.63	3.63	3.64
225	Knitting mills	126.51	133.86	142.32	140.14	140.50	3.41	3.45	3.64	3.64	3.64
2251	Women's hosiery, except socks	110.53	117.87	125.03	123.34	—	3.14	3.16	3.37	3.37	—
2252	Hosiery, nec	113.93	122.11	129.16	126.48	—	3.13	3.18	3.39	3.40	—
2253	Knit outerwear mills	127.02	135.20	141.72	135.42	—	3.48	3.53	3.71	3.66	—
2254	Knit underwear mills	113.62	119.13	131.43	127.01	—	3.13	3.16	3.37	3.36	—
226	Textile finishing, except wool	150.51	159.83	172.23	175.56	(*)	3.82	3.87	4.15	4.17	(*)
227	Floor covering mills	144.76	146.69	164.76	167.20	—	3.61	3.64	3.97	4.00	—
228	Yarn and thread mills	129.36	136.35	148.83	148.10	148.42	3.30	3.35	3.63	3.63	3.62
229	Miscellaneous textile goods	156.31	158.30	174.30	170.93	(*)	3.85	3.88	4.19	4.21	(*)
23	APPAREL AND OTHER TEXTILE PRODUCTS	117.28	121.00	126.74	124.95	126.38	3.37	3.38	3.57	3.57	3.57
231	Men's and boys' suits and coats	143.44	146.65	158.68	155.32	157.24	4.11	4.04	4.42	4.40	4.38
232	Men's and boys' furnishings	109.96	112.91	113.34	112.38	114.60	3.08	3.06	3.22	3.22	3.21
2321	Men's and boys' shirts and nightwear	108.00	111.37	108.39	106.81	—	3.00	3.01	3.16	3.16	—
2327	Men's and boys' separate trousers	111.51	114.82	113.10	111.44	—	3.15	3.12	3.25	3.23	—
2328	Men's and boys' work clothing	107.21	111.60	117.02	114.84	—	3.02	3.00	3.18	3.19	—
233	Women's and misses' outerwear	113.47	115.20	123.76	120.52	119.46	3.47	3.47	3.64	3.63	3.62
2331	Women's and misses' blouses and waists	107.91	110.20	120.74	117.59	—	3.28	3.27	3.52	3.51	—
2335	Women's and misses' dresses	115.24	113.63	122.95	120.34	—	3.59	3.54	3.67	3.68	—
2337	Women's and misses' suits and coats	118.94	129.81	135.05	130.01	—	3.80	3.91	4.13	4.05	—
2339	Women's and misses' outerwear, nec	111.17	112.75	112.14	117.99	—	3.26	3.24	3.46	3.45	—
234	Women's and children's undergarments	110.09	112.89	119.43	118.80	121.77	3.11	3.11	3.29	3.30	3.30
2341	Women's and children's underwear	106.61	109.32	115.43	115.16	—	3.02	3.02	3.18	3.19	—
2342	Corsets and allied garments	121.40	124.81	134.32	131.02	—	3.41	3.41	3.68	3.67	—
235	Hats, caps, and millinery	110.77	113.63	115.32	112.99	—	3.01	3.03	3.10	3.13	—
236	Children's outerwear	106.91	112.22	117.69	114.43	115.38	3.09	3.10	3.26	3.26	3.25
2361	Children's dresses and blouses	104.83	109.43	114.78	111.83	—	3.12	3.10	3.27	3.27	—
237,8	Fur goods and miscellaneous apparel	118.62	125.22	130.66	127.09	—	3.37	3.44	3.57	3.55	—
239	Miscellaneous fabricated textile products	139.13	147.46	155.07	153.50	159.44	3.75	3.84	4.07	4.05	4.12
2391,2	Housefurnishings	114.02	116.25	123.50	120.12	—	3.09	3.10	3.32	3.30	—
26	PAPER AND ALLIED PRODUCTS	218.82	225.68	242.53	247.81	248.09	5.26	5.31	5.72	5.79	5.81
261,2,6	Paper and pulp mills	262.40	264.33	285.49	296.21	(*)	5.91	5.94	6.43	6.51	(*)
263	Paperboard mills	262.22	266.20	294.81	301.71	(*)	6.07	6.05	6.67	6.78	(*)
264	Miscellaneous converted paper products	189.27	198.58	209.82	210.01	(*)	4.72	4.82	5.13	5.16	(*)
2643	Bags, except textile bags	178.99	186.76	199.51	202.95	—	4.52	4.60	4.89	4.95	—
265	Paperboard containers and boxes	188.97	199.89	213.42	216.63	218.40	4.76	4.84	5.18	5.22	5.25
2651,2	Folding and setup paperboard boxes	180.12	189.72	203.87	201.38	—	4.56	4.65	4.96	4.96	—
2653	Corrugated and solid fiber boxes	198.00	210.31	225.76	231.84	—	5.00	5.08	5.44	5.52	—
2654	Sanitary food containers	177.91	193.77	200.08	204.40	—	4.47	4.57	4.88	4.89	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	41.2	41.4	41.9	42.4	42.4	3.7	4.0	4.0	4.3	—
2024	Ice cream and frozen desserts	39.7	39.8	39.7	39.6	—	—	—	—	—	—
2026	Fluid milk	41.9	42.4	43.1	44.0	—	—	—	—	—	—
203	Canned, cured, and frozen foods	36.3	37.9	37.1	36.6	—	2.2	2.8	2.4	2.3	—
2031,6	Canned, cured, and frozen sea foods	33.7	34.0	33.8	32.1	—	—	—	—	—	—
2032,3	Canned food, except sea foods	37.0	39.3	37.9	37.0	—	—	—	—	—	—
2037	Frozen fruits and vegetables	36.4	38.2	37.4	38.1	—	—	—	—	—	—
204	Grain mill products	41.6	42.9	43.3	42.9	(*)	4.4	5.4	5.5	5.2	—
2041	Flour and other grain mill products	44.1	44.4	45.9	46.1	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	41.3	42.6	42.6	42.6	—	—	—	—	—	—
205	Bakery products	39.2	39.2	38.9	38.8	(*)	3.1	3.3	3.2	3.2	—
2051	Bread, cake, and related products	39.1	39.0	38.8	38.8	—	—	—	—	—	—
2052	Cookies and crackers	39.7	39.7	39.5	38.7	—	—	—	—	—	—
206	Sugar	41.2	41.8	39.6	39.5	—	3.0	3.2	2.3	1.7	—
207	Confectionery and related products	38.1	39.3	40.0	39.1	39.4	1.7	2.3	2.5	2.3	—
2071	Confectionery products	38.1	38.8	39.2	38.1	—	—	—	—	—	—
208	Beverages	40.5	40.8	39.9	40.5	(*)	3.9	4.3	3.8	4.2	—
2082	Malt liquors	44.6	44.9	42.7	44.0	—	—	—	—	—	—
2086	Bottled and canned soft drinks	39.4	39.8	38.8	39.0	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	41.7	42.0	41.7	41.2	(*)	4.7	4.4	4.5	4.0	—
21	TOBACCO MANUFACTURES	38.1	38.1	37.7	37.8	37.6	1.2	1.4	1.5	2.0	—
211	Cigarettes	38.6	38.0	38.5	38.8	—	1.4	1.5	1.7	2.4	—
212	Cigars	36.3	38.8	36.4	36.8	—	.8	1.5	.6	.6	—
22	TEXTILE MILL PRODUCTS	38.9	40.5	40.5	40.1	40.2	2.6	3.6	3.5	3.3	—
221	Weaving mills, cotton	39.5	41.7	40.8	39.9	40.3	2.9	4.5	3.8	3.5	—
222	Weaving mills, synthetics	38.9	41.1	40.6	40.8	(*)	2.6	3.9	3.3	2.7	—
223	Weaving and finishing mills, wool	40.0	41.7	40.4	40.8	40.4	2.7	3.9	3.2	2.9	—
224	Narrow fabric mills	39.8	40.7	39.9	39.6	39.1	3.0	3.7	3.0	2.6	—
225	Knitting mills	37.1	38.8	39.1	38.5	38.6	2.0	2.8	2.9	2.7	—
2251	Women's hosiery, except socks	35.2	37.3	37.1	36.6	—	—	—	—	—	—
2252	Hosiery, nec	36.4	38.4	38.1	37.2	—	—	—	—	—	—
2253	Knit outerwear mills	36.5	38.3	38.2	37.0	—	—	—	—	—	—
2254	Knit underwear mills	36.3	37.7	39.0	37.8	—	—	—	—	—	—
226	Textile finishing, except wool	39.4	41.3	41.5	42.1	(*)	2.9	4.0	4.0	4.3	—
227	Floor covering mills	40.1	40.3	41.5	41.8	—	2.7	3.4	3.8	4.4	—
228	Yarn and thread mills	39.2	40.7	41.0	40.8	41.0	2.7	3.7	3.9	3.6	—
229	Miscellaneous textile goods	40.6	40.8	41.6	40.6	(*)	3.0	3.5	3.9	3.5	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	34.8	35.8	35.5	35.0	35.4	.9	1.3	1.2	1.0	—
231	Men's and boys' suits and coats	34.9	36.3	35.9	35.3	35.9	.7	1.0	.9	.7	—
232	Men's and boys' furnishings	35.7	36.9	35.2	34.9	35.7	.9	1.3	1.0	.9	—
2321	Men's and boys' shirts and nightwear	36.0	37.0	34.3	33.8	—	.8	1.2	1.0	.7	—
2327	Men's and boys' separate trousers	35.4	36.8	34.8	34.5	—	1.2	1.4	.8	.9	—
2328	Men's and boys' work clothing	35.5	37.2	36.8	36.0	—	.8	1.2	1.2	1.0	—
233	Women's and misses' outerwear	32.7	33.2	34.0	33.2	33.0	.9	1.0	1.2	1.0	—
2331	Women's and misses' blouses and waists	32.9	33.7	34.3	33.5	—	—	—	—	—	—
2335	Women's and misses' dresses	32.1	32.1	33.5	32.7	—	.9	.9	1.1	.9	—
2337	Women's and misses' suits and coats	31.3	33.2	32.7	32.1	—	.7	1.1	1.1	.8	—
2339	Women's and misses' outerwear, nec	34.1	34.8	35.3	34.2	—	.9	1.1	1.4	1.3	—
234	Women's and children's undergarments	35.4	36.3	36.3	36.0	36.9	.7	1.3	.9	.8	—
2341	Women's and children's underwear	35.3	36.2	36.3	36.1	—	—	—	—	—	—
2342	Corsets and allied garments	35.6	36.6	36.5	35.7	—	—	—	—	—	—
235	Hats, caps, and millinery	36.8	37.5	37.2	36.1	—	1.3	1.5	1.4	1.1	—
236	Children's outerwear	34.6	36.2	36.1	35.1	35.5	1.0	1.4	1.4	.9	—
2361	Children's dresses and blouses	33.6	35.3	35.1	34.2	—	—	—	—	—	—
237,B	Fur goods and miscellaneous apparel	35.2	36.4	36.6	35.8	—	.8	1.3	1.0	.7	—
239	Miscellaneous fabricated textile products	37.1	38.4	38.1	37.9	38.7	1.4	2.1	1.7	1.7	—
2391,2	Housefurnishings	36.9	37.5	37.2	36.4	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	41.6	42.5	42.4	42.8	42.7	4.0	4.7	4.4	4.6	—
261,2,6	Paper and pulp mills	44.4	44.5	44.4	45.5	(*)	5.8	6.2	5.8	6.4	—
263	Paperboard mills	43.2	44.0	44.2	44.5	(*)	6.2	6.6	6.9	7.2	—
264	Miscellaneous converted paper products	40.1	41.2	40.9	40.7	(*)	2.7	3.5	3.3	3.0	—
2643	Bags, except textile bags	39.6	40.6	40.8	41.0	—	—	—	—	—	—
265	Paperboard containers and boxes	39.7	41.3	41.2	41.5	41.6	2.7	3.7	3.2	3.4	—
2651,2	Folding and setup paperboard boxes	39.5	40.8	40.7	40.6	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	39.6	41.4	41.5	42.0	—	3.2	4.1	3.6	4.1	—
2654	Sanitary food containers	39.8	42.4	41.0	41.8	—	—	—	—	—	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
	NONDURABLE GOODS—Continued										
27	PRINTING AND PUBLISHING	\$206.64	\$212.25	\$224.47	\$224.03	\$226.73	\$5.60	\$5.66	\$5.97	\$5.99	\$6.03
271	Newspapers	210.91	213.81	220.74	224.08	223.76	6.24	6.27	6.55	6.61	6.62
272	Periodicals	215.84	222.71	229.90	234.46	—	5.71	5.83	6.05	6.17	—
273	Books	180.98	191.00	208.35	211.23	—	4.75	4.86	5.17	5.19	—
275	Commercial printing	214.48	220.00	233.40	231.00	(*)	5.60	5.67	6.00	6.00	(*)
2751	Commercial printing, except lithographic	207.43	214.34	222.53	223.29	—	5.43	5.51	5.78	5.83	—
2752	Commercial printing, lithographic	226.14	229.63	252.80	244.34	—	5.92	5.98	6.40	6.33	—
278	Blankbooks and bookbinding	161.36	169.17	185.40	180.50	185.18	4.28	4.36	4.67	4.64	4.70
274,6,7,9	Other publishing and printing ind.	208.32	216.58	230.23	226.26	229.28	5.57	5.64	5.98	5.97	5.94
28	CHEMICALS AND ALLIED PRODUCTS ...	240.61	240.86	258.96	261.67	261.04	5.77	5.79	6.21	6.26	6.29
281	Industrial chemicals	276.68	271.55	291.06	298.35	294.14	6.51	6.45	6.93	7.02	7.02
2812	Alkalies and chlorine	281.43	261.46	284.69	307.59	—	6.44	6.27	6.91	7.17	—
2818	Industrial organic chemicals, nec.	308.42	303.30	315.09	327.66	—	7.09	7.07	7.52	7.62	—
2819	Industrial inorganic chemicals, nec.	254.82	252.34	281.90	281.99	—	6.20	6.11	6.68	6.73	—
282	Plastics materials and synthetics	240.98	236.14	253.95	258.07	256.47	5.67	5.69	6.09	6.13	6.18
2821	Plastics materials and resins	253.43	259.42	274.38	276.38	—	5.88	5.95	6.25	6.31	—
2823,4	Synthetic fibers	223.86	213.73	228.57	235.34	—	5.33	5.33	5.70	5.74	—
283	Drugs	214.94	222.50	237.46	237.05	(*)	5.36	5.44	5.82	5.81	(*)
2834	Pharmaceutical preparations	209.08	217.06	231.42	230.45	—	5.24	5.32	5.70	5.69	—
284	Soap, cleaners, and toilet goods	217.06	225.33	241.98	239.00	243.21	5.44	5.55	5.96	5.99	6.05
2841	Soap and other detergents	279.07	294.42	318.10	315.12	—	6.84	7.01	7.52	7.63	—
2844	Toilet preparations	180.57	187.38	193.45	189.24	—	4.63	4.72	4.91	4.89	—
285	Paints and allied products	214.65	227.39	238.14	236.40	239.46	5.30	5.44	5.78	5.78	5.77
287	Agricultural chemicals	224.00	215.56	244.64	245.08	(*)	5.00	5.06	5.51	5.45	(*)
2871,2	Fertilizers, complete and mixing only	212.05	201.71	232.51	234.65	—	4.64	4.68	5.11	5.18	—
286,9	Other chemical products	220.04	222.89	240.77	244.02	(*)	5.38	5.41	5.76	5.81	(*)
2892	Explosives	219.30	212.80	229.60	231.54	—	5.31	5.32	5.60	5.62	—
29	PETROLEUM AND COAL PRODUCTS	300.46	300.04	327.17	330.50	324.59	7.12	7.11	7.68	7.74	7.71
291	Petroleum refining	327.47	323.95	357.00	(*)	(*)	7.76	7.75	8.40	(*)	(*)
295,9	Other petroleum and coal products	220.60	232.09	239.68	(*)	(*)	5.24	5.36	5.60	(*)	(*)
30	RUBBER AND PLASTICS PRODUCTS, NEC	177.30	176.58	207.24	207.46	207.65	4.50	4.36	5.03	5.06	5.04
301	Tires and inner tubes	243.26	250.40	324.30	322.73	(*)	5.89	5.73	7.05	7.14	(*)
302,3,6	Other rubber products	174.27	185.54	200.38	200.50	203.21	4.48	4.57	4.96	5.00	5.03
302	Rubber footwear	123.20	125.17	131.69	131.75	—	3.52	3.42	3.54	3.59	—
307	Miscellaneous plastics products	157.95	165.22	174.44	175.24	176.92	4.05	4.11	4.35	4.37	4.39
31	LEATHER AND LEATHER PRODUCTS	126.17	131.33	131.04	131.40	133.22	3.41	3.42	3.61	3.61	3.62
311	Leather tanning and finishing	181.20	180.45	181.82	185.10	185.89	4.53	4.50	4.65	4.71	4.73
314	Footwear, except rubber	120.25	125.84	123.53	123.86	126.31	3.25	3.26	3.47	3.45	3.47
312,3,5,7,9	Other leather products	121.34	127.19	132.45	132.12	(*)	3.38	3.41	3.57	3.60	(*)
316	Luggage	134.56	129.17	131.04	141.74	—	3.60	3.51	3.61	3.73	—
317	Handbags and personal leather goods	113.60	123.46	128.08	122.15	—	3.20	3.31	3.49	3.49	—
—	TRANSPORTATION AND PUBLIC UTILITIES	251.46	252.41	267.73	271.20	273.36	6.35	6.39	6.71	6.78	6.80
4011	RAILROAD TRANSPORTATION: Class 1 railroads ²	303.21	293.09	313.28	(*)	—	6.86	6.88	7.12	(*)	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	213.60	214.67	220.81	225.01	—	5.34	5.34	5.59	5.74	—
413	Intercity highway transportation	260.95	266.56	263.63	278.00	—	6.64	6.80	7.03	7.11	—
42	TRUCKING AND WAREHOUSING	250.90	258.73	270.14	272.56	—	6.32	6.42	6.67	6.78	—
421,3	Trucking and trucking terminals	256.71	264.62	277.17	279.57	—	6.45	6.55	6.81	6.92	—
422	Public warehousing	180.50	182.91	186.31	189.50	—	4.64	4.69	4.89	5.00	—
46	PIPE LINE TRANSPORTATION	303.88	305.78	349.84	351.07	—	7.34	7.44	8.29	8.28	—
48	COMMUNICATION	238.46	236.23	262.28	264.92	—	6.13	6.12	6.64	6.69	—
481	Telephone communication	241.72	238.46	265.84	269.17	—	6.23	6.21	6.73	6.78	—
4817	Switchboard operating employees ³	185.30	177.89	192.63	199.49	—	5.34	5.31	5.75	5.85	—
4818	Line construction employees ⁴	299.04	298.16	339.70	342.71	—	7.12	7.15	7.90	7.97	—
482	Telegraph communication ⁵	252.77	254.81	296.38	307.75	—	6.15	6.23	6.99	7.31	—
483	Radio and television broadcasting	223.65	227.95	243.36	245.55	—	5.72	5.83	6.24	6.28	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 P	May 1977 P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 P	May 1977 P
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	36.9	37.5	37.6	37.4	37.6	2.2	2.5	2.6	2.5	—
271	Newspapers	33.8	34.1	33.7	33.9	33.8	1.5	1.6	1.5	1.8	—
272	Periodicals	37.8	38.2	38.0	38.0	—	2.6	2.8	2.1	2.4	—
273	Books **	38.1	39.3	40.3	40.7	—	2.7	3.1	3.9	3.9	—
275	Commercial printing **	38.3	38.8	38.9	38.5	(*)	2.7	3.1	3.2	2.9	—
2751	Commercial printing, except lithographic	38.2	38.9	38.5	38.3	—	2.7	3.2	2.8	2.7	—
2752	Commercial printing, lithographic	38.2	38.4	39.5	38.6	—	2.7	2.9	3.6	3.0	—
278	Blankbooks and bookbinding	37.7	38.8	39.7	38.9	39.4	1.4	2.0	2.6	2.3	—
274,6,7,9	Other publishing and printing ind	37.4	38.4	38.5	37.9	38.6	1.7	2.3	2.3	2.1	—
28	CHEMICALS AND ALLIED PRODUCTS	41.7	41.6	41.7	41.8	41.5	3.4	3.2	3.3	3.6	—
281	Industrial chemicals	42.5	42.1	42.0	42.5	41.9	4.3	3.5	3.5	4.2	—
2812	Alkalies and chlorine	43.7	41.7	41.2	42.9	—	—	—	—	—	—
2818	Industrial organic chemicals, nec	43.5	42.9	41.9	43.0	—	5.4	3.7	3.3	4.5	—
2819	Industrial inorganic chemicals, nec	41.1	41.3	42.2	41.9	—	3.4	3.0	3.5	3.5	—
282	Plastics materials and synthetics	42.5	41.5	41.7	42.1	41.5	3.2	2.8	3.1	3.4	—
2821	Plastics materials and resins	43.1	43.6	43.9	43.8	—	4.4	4.7	4.5	4.5	—
2823,4	Synthetic fibers	42.0	40.1	40.1	41.0	—	2.2	1.5	2.1	2.1	—
283	Drugs	40.1	40.9	40.8	40.8	(*)	2.0	2.9	2.9	2.8	—
2834	Pharmaceutical preparations	39.9	40.8	40.6	40.5	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	39.9	40.6	40.6	39.9	40.2	2.0	2.7	2.7	2.3	—
2841	Soap and other detergents	40.8	42.0	42.3	41.3	—	—	—	—	—	—
2844	Toilet preparations	39.0	39.7	39.4	38.7	—	—	—	—	—	—
285	Paints and allied products	40.5	41.8	41.2	40.9	41.5	2.6	4.1	3.1	3.1	—
287	Agricultural chemicals	44.8	42.6	44.4	44.0	(*)	6.7	4.9	6.0	6.2	—
2871,2	Fertilizers, complete and mixing only	45.7	43.1	45.5	45.3	—	—	—	—	—	—
286,9	Other chemical products	40.9	41.2	41.8	42.0	(*)	2.5	3.0	3.3	3.6	—
2892	Explosives	41.3	40.0	41.0	41.2	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	42.2	42.2	42.6	42.7	42.1	3.0	3.2	3.3	3.8	—
291	Petroleum refining	42.2	41.8	42.5	(*)	(*)	2.4	2.5	2.8	(*)	—
295,9	Other petroleum and coal products	42.1	43.3	42.8	(*)	(*)	4.7	5.3	4.7	(*)	—
30	RUBBER AND PLASTICS PRODUCTS, NEC	39.4	40.5	41.2	41.0	41.2	2.4	3.1	3.6	3.6	—
301	Tires and inner tubes	41.3	43.7	46.0	45.2	(*)	3.5	5.0	6.5	6.8	—
302,3,6	Other rubber products	38.9	40.6	40.4	40.1	40.4	1.9	2.6	3.0	2.9	—
302	Rubber footwear	35.0	36.6	37.2	36.7	—	1.0	1.3	1.1	1.2	—
307	Miscellaneous plastics products	39.0	40.2	40.1	40.1	40.3	2.4	3.2	3.0	3.0	—
31	LEATHER AND LEATHER PRODUCTS	37.0	38.4	36.3	36.4	36.8	1.6	2.0	1.6	1.5	—
311	Leather tanning and finishing	40.0	40.1	39.1	39.3	39.3	3.7	3.4	3.0	3.0	—
314	Footwear, except rubber	37.0	38.6	35.6	35.9	36.4	1.5	1.9	1.3	1.2	—
312,3,5-7,9	Other leather products	35.9	37.3	37.1	36.7	(*)	1.1	1.7	1.6	1.5	—
316	Luggage	34.6	36.8	36.3	38.0	—	1.2	2.1	1.9	2.3	—
317	Handbags and personal leather goods	35.5	37.3	36.7	35.0	—	.8	1.7	1.4	1.1	—
—	TRANSPORTATION AND PUBLIC UTILITIES	39.6	39.5	39.9	40.0	40.2	—	—	—	—	—
4011	RAILROAD TRANSPORTATION: Class I railroads ²	44.2	42.6	44.0	(*)	—	—	—	—	—	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	40.0	40.2	39.5	39.2	—	—	—	—	—	—
413	Intercity highway transportation	39.3	39.2	37.5	39.1	—	—	—	—	—	—
42	TRUCKING AND WAREHOUSING	39.7	40.3	40.5	40.2	—	—	—	—	—	—
421,3	Trucking and trucking terminals	39.8	40.4	40.7	40.4	—	—	—	—	—	—
422	Public warehousing	38.9	39.0	38.1	37.9	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	41.4	41.1	42.2	42.4	—	—	—	—	—	—
48	COMMUNICATION	38.9	38.6	39.5	39.6	—	—	—	—	—	—
481	Telephone communication	38.8	38.4	39.5	39.7	—	—	—	—	—	—
4817	Switchboard operating employees ³	34.7	33.5	33.5	34.1	—	—	—	—	—	—
4818	Line construction employees ⁴	42.0	41.7	43.0	43.0	—	—	—	—	—	—
482	Telegraph communication ⁵	41.1	40.9	42.4	42.1	—	—	—	—	—	—
483	Radio and television broadcasting	39.1	39.1	39.0	39.1	—	—	—	—	—	—

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. ^p 1977 ^p	May ^p 1977 ^p	Apr. 1976	May 1976	Mar. 1977	Apr. ^p 1977 ^p	May ^p 1977 ^p
—	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$265.97	\$266.74	\$282.77	\$284.82	—	\$6.44	\$6.49	\$6.88	\$6.93	—
491	Electric companies and systems	268.32	266.56	289.39	292.86	—	6.45	6.47	6.99	7.04	—
492	Gas companies and systems	241.98	244.86	265.15	265.61	—	5.96	6.06	6.42	6.51	—
493	Combination companies and systems	298.69	302.22	306.64	309.37	—	7.18	7.30	7.59	7.62	—
494-7	Water, steam, and sanitary systems	216.41	217.15	228.80	229.48	—	5.24	5.22	5.54	5.57	—
—	WHOLESALE AND RETAIL TRADE	130.99	132.33	139.02	140.01	\$140.77	3.91	3.95	4.20	4.23	\$4.24
50	WHOLESALE TRADE	196.86	199.82	209.37	211.53	213.24	5.09	5.15	5.41	5.48	5.51
501	Motor vehicles and automotive equipment	179.08	181.96	190.30	191.10	—	4.58	4.63	4.83	4.90	—
502	Drugs, chemicals, and allied products	201.00	198.69	224.27	226.56	—	5.35	5.37	5.81	5.90	—
503	Dry goods and apparel	168.48	170.86	178.14	180.36	—	4.68	4.72	4.99	5.01	—
504	Groceries and related products	192.61	193.89	208.44	209.66	—	4.99	5.01	5.40	5.46	—
506	Electrical goods	214.73	220.70	217.11	220.41	—	5.45	5.49	5.61	5.71	—
507	Hardware, plumbing and heating equipment	191.59	191.28	198.00	201.88	—	4.90	4.93	5.09	5.23	—
508	Machinery, equipment, and supplies	215.42	219.30	230.98	234.00	—	5.44	5.51	5.76	5.85	—
509	Miscellaneous wholesalers	193.29	198.78	205.80	207.31	—	5.09	5.19	5.43	5.47	—
52-59	RETAIL TRADE	112.35	112.29	118.06	119.07	120.14	3.50	3.52	3.76	3.78	3.79
53	Retail general merchandise [†]	105.74	104.72	111.60	111.60	—	3.39	3.40	3.72	3.72	—
531	Department stores [†]	108.06	107.36	115.83	115.44	—	3.51	3.52	3.90	3.90	—
532	Mail order houses	141.20	141.79	147.03	150.15	—	4.19	4.22	4.51	4.55	—
533	Variety stores	84.56	83.46	84.39	85.55	—	2.79	2.81	2.90	2.91	—
54	Food stores	137.05	138.57	145.96	145.36	—	4.23	4.29	4.59	4.60	—
541-3	Grocery, meat, and vegetable stores	141.16	142.68	150.55	149.46	—	4.33	4.39	4.69	4.70	—
56	Apparel and accessory stores	96.98	95.68	97.24	100.05	—	3.19	3.20	3.33	3.38	—
561	Men's and boys' clothing and furnishings	121.66	122.18	121.28	125.26	—	3.79	3.83	3.79	3.89	—
562	Women's ready-to-wear stores	85.85	84.68	83.98	84.88	—	2.91	2.92	3.01	3.01	—
565	Family clothing stores	93.62	93.02	100.26	100.60	—	3.01	3.06	3.32	3.32	—
566	Shoe stores	98.83	95.04	98.20	106.07	—	3.35	3.30	3.47	3.62	—
57	Furniture and home furnishings stores	149.09	148.63	151.79	152.80	—	4.12	4.14	4.24	4.28	—
571	Furniture and home furnishings	152.40	153.19	155.81	157.24	—	4.20	4.22	4.34	4.38	—
58	Eating and drinking places ⁶	71.40	71.68	77.81	79.20	—	2.55	2.56	2.85	2.88	—
52,55,59	Other retail trade	141.99	142.30	147.70	150.33	—	3.89	3.92	4.06	4.13	—
52	Building materials and farm equipment	156.02	157.60	165.85	170.31	—	3.95	4.00	4.22	4.29	—
551,2	Motor vehicle dealers	192.46	193.55	199.87	205.27	—	4.85	4.90	5.06	5.21	—
553,9	Other automotive and accessory dealers	159.18	159.19	167.23	167.60	—	4.03	4.03	4.16	4.19	—
591	Drug stores and proprietary stores	103.12	103.02	106.75	108.11	—	3.37	3.40	3.50	3.51	—
594	Book and stationery stores	119.57	120.24	124.86	125.30	—	3.58	3.60	3.83	3.82	—
598	Fuel and ice dealers	177.80	176.17	187.77	189.21	—	4.49	4.46	4.79	4.79	—
—	FINANCE, INSURANCE, AND REAL ESTATE⁷	158.84	160.01	165.07	166.62	168.09	4.34	4.36	4.51	4.54	4.58
60	Banking	133.22	135.42	138.30	139.41	—	3.66	3.70	3.81	3.83	—
61	Credit agencies other than banks	142.46	145.49	149.63	151.53	—	3.84	3.89	3.99	4.03	—
612	Savings and loan associations	139.83	142.45	143.54	145.04	—	3.81	3.85	3.89	3.92	—
62	Security, commodity brokers and services	298.68	290.29	288.42	(*)	—	7.60	7.54	7.61	(*)	—
63	Insurance carriers	167.77	169.34	176.06	176.80	—	4.51	4.54	4.72	4.74	—
631	Life insurance	165.31	166.13	172.42	174.00	—	4.48	4.49	4.66	4.69	—
632	Accident and health insurance	161.45	162.21	171.76	171.00	—	4.26	4.28	4.52	4.50	—
633	Fire, marine, and casualty insurance	171.21	173.63	179.52	180.64	—	4.59	4.63	4.80	4.83	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES										
	Electric companies and systems	41.3	41.1	41.1	41.1	-	-	-	-	-	
491	Electric companies and systems	41.6	41.2	41.4	41.6	-	-	-	-	-	
492	Gas companies and systems	40.6	40.4	41.3	40.8	-	-	-	-	-	
493	Combination companies and systems	41.6	41.4	40.4	40.6	-	-	-	-	-	
494-7	Water, steam, and sanitary systems	41.3	41.6	41.3	41.2	-	-	-	-	-	
-	WHOLESALE AND RETAIL TRADE	33.5	33.5	33.1	33.1	33.2	-	-	-	-	
50	WHOLESALE TRADE	38.6	38.8	38.7	38.6	38.7	-	-	-	-	
501	Motor vehicles and automotive equipment	39.1	39.3	39.4	39.0	-	-	-	-	-	
502	Drugs, chemicals, and allied products	37.5	37.0	38.6	38.4	-	-	-	-	-	
503	Dry goods and apparel	36.0	36.2	35.7	36.0	-	-	-	-	-	
504	Groceries and related products	38.6	38.7	38.6	38.4	-	-	-	-	-	
506	Electrical goods	39.4	40.2	38.7	38.6	-	-	-	-	-	
507	Hardware, plumbing and heating equipment	39.1	38.8	38.9	38.6	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.6	39.8	40.1	40.0	-	-	-	-	-	
509	Miscellaneous wholesalers	37.9	38.3	37.9	37.9	-	-	-	-	-	
52-59	RETAIL TRADE	32.1	31.9	31.4	31.5	31.7	-	-	-	-	
53	Retail general merchandise	31.1	30.8	30.0	30.0	-	-	-	-	-	
531	Department stores	30.7	30.5	29.7	29.6	-	-	-	-	-	
532	Mail order houses	33.7	33.6	32.6	33.0	-	-	-	-	-	
533	Variety stores	30.2	29.7	29.1	29.4	-	-	-	-	-	
54	Food stores	32.4	32.3	31.8	31.6	-	-	-	-	-	
541-3	Grocery, meat, and vegetable stores	32.6	32.5	32.1	31.8	-	-	-	-	-	
56	Apparel and accessory stores	30.4	29.9	29.2	29.6	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	32.1	31.9	32.0	32.2	-	-	-	-	-	
562	Women's ready-to-wear stores	29.5	29.0	27.9	28.2	-	-	-	-	-	
565	Family clothing stores	31.0	30.4	30.2	30.3	-	-	-	-	-	
566	Shoe stores	29.5	28.8	28.3	29.3	-	-	-	-	-	
57	Furniture and home furnishings stores	36.1	35.9	35.8	35.7	-	-	-	-	-	
571	Furniture and home furnishings	36.2	36.3	35.9	35.9	-	-	-	-	-	
58	Eating and drinking places ⁶	28.0	28.0	27.3	27.5	-	-	-	-	-	
52,55,59	Other retail trade	36.5	36.3	36.2	36.4	-	-	-	-	-	
52	Building materials and farm equipment	39.4	39.4	39.3	39.7	-	-	-	-	-	
551,2	Motor vehicle dealers	39.6	39.5	39.5	39.4	-	-	-	-	-	
553,9	Other automotive and accessory dealers	39.4	39.5	40.2	40.0	-	-	-	-	-	
591	Drug stores and proprietary stores	30.6	30.3	30.5	30.8	-	-	-	-	-	
594	Book and stationery stores	33.4	33.4	32.6	32.8	-	-	-	-	-	
598	Fuel and ice dealers	39.6	39.5	39.2	39.5	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.6	36.7	36.6	36.7	36.7	-	-	-	-	
60	Banking	36.4	36.6	36.3	36.4	-	-	-	-	-	
61	Credit agencies other than banks	37.1	37.4	37.5	37.6	-	-	-	-	-	
612	Savings and loan associations	36.7	37.0	36.9	37.0	-	-	-	-	-	
62	Security, commodity brokers and services	39.3	38.5	37.9	(*)	-	-	-	-	-	
63	Insurance carriers	37.2	37.3	37.3	37.3	-	-	-	-	-	
631	Life insurance	36.9	37.0	37.0	37.1	-	-	-	-	-	
632	Accident and health insurance	37.9	37.9	38.0	38.0	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.3	37.5	37.4	37.4	-	-	-	-	-	

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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p
-	SERVICES	\$ 143.19	\$144.96	\$153.85	\$154.51	\$155.51	\$4.30	\$4.34	\$4.62	\$4.64	\$4.67
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	93.85	96.28	98.25	98.87	-	2.97	2.99	3.19	3.21	-
	Personal services:										
721	Laundries and dry cleaning plants	112.70	113.72	120.40	120.06	-	3.21	3.24	3.44	3.45	-
722	Photographic studios	114.92	116.62	121.03	124.61	-	3.41	3.44	3.83	3.87	-
	Motion pictures:										
781	Motion picture filming and distributing ...	257.68	259.10	273.29	273.41	-	6.41	6.51	7.08	7.12	-
806	Hospitals	140.83	140.83	153.45	155.38	-	4.13	4.13	4.50	4.57	-

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.

[†] Beginning February 1977 data not strictly comparable with those previously published, due to change in pay practices of a large employer.

* Not available.

** Corrected data for time periods shown in the May 1977 issue for average overtime hours are:

SIC Code	Industry	Mar. 1976	Apr. 1976	Feb. 1977	Mar. 1977 ^p
273	Books	2.6	2.7	2.8	3.5
275	Commercial printing	2.9	2.7	2.9	3.1

^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				
		Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^P	May 1977 ^P
—	SERVICES	33.3	33.4	33.3	33.3	33.3	—	—	—	—	—
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	31.6	32.2	30.8	30.8	—	—	—	—	—	—
	Personal services:										
721	Laundries and dry cleaning plants	35.0	35.1	35.0	34.8	—	—	—	—	—	—
722	Photographic studios	33.7	33.9	31.6	32.2	—	—	—	—	—	—
	Motion pictures:										
781	Motion picture filming and distributing ...	40.2	39.8	38.6	38.4	—	—	—	—	—	—
806	Hospitals	34.1	34.1	34.1	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	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Executive Branch														
Total employment	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	2,654.9	
Average weekly hours	39.3	39.1	39.2	39.2	39.3	39.6	39.4	39.3	39.9	39.6	40.4	39.4	39.5	
Average overtime hours . . . . .	.9	.9	.8	.9	.9	1.0	1.0	1.1	1.4	1.2	2.0	1.0	1.0
Indexes (1967=100):														
Average weekly earnings	195.2	193.9	195.5	196.6	195.7	196.1	196.5	199.5	209.7	208.6	215.9	208.9	209.2	
Average hourly earnings	195.7	195.4	196.5	197.6	196.2	195.1	196.5	200.0	207.0	207.6	210.5	208.9	208.6	
Department of Defense														
Total employment	937.1	934.1	930.7	930.2	936.7	938.5	929.3	917.2	918.0	920.4	919.6	918.4	917.6	
Average weekly hours	39.9	39.6	39.8	39.8	40.0	40.1	40.0	39.9	39.9	40.2	40.0	39.9	40.0	
Average overtime hours . . . . .	.6	.5	.5	.6	.7	.6	.7	.9	.8	.8	.7	.7	.7
Indexes (1967=100):														
Average weekly earnings	190.2	189.0	191.1	-	191.2	188.2	191.5	195.1	201.5	204.4	203.7	202.3	204.2	
Average hourly earnings	192.1	192.4	193.5	-	192.6	189.1	192.9	197.0	203.5	204.9	205.2	204.4	205.7	
Postal service														
Total employment	677.0	672.3	670.3	670.6	672.8	670.7	667.8	662.8	657.9	664.9	685.7	650.0	649.9	
Average weekly hours	39.5	39.4	39.2	39.3	39.0	39.7	39.4	39.6	42.1	40.6	43.8	40.4	40.4	
Average overtime hours	1.2	1.1	1.0	1.1	.9	1.0	1.1	1.4	2.9	2.2	5.5	1.9	1.4	
Indexes (1967=100):														
Average weekly earnings	218.4	217.5	219.8	223.2	220.9	224.5	223.8	226.8	243.7	237.6	267.8	240.0	238.0	
Average hourly earnings	213.4	213.1	216.5	219.2	218.6	218.3	219.2	221.0	223.5	225.9	236.0	229.3	227.4	
Other agencies														
Total employment	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	1,087.4	
Average weekly hours	38.6	38.6	38.7	38.7	38.9	39.1	38.9	38.6	38.7	38.6	38.4	38.2	38.5	
Average overtime hours	1.0	1.0	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.0	.9	.8	.9	
Indexes (1967=100):														
Average weekly earnings	-	185.9	185.7	186.2	185.4	187.3	185.6	188.6	199.0	197.5	197.4	197.2	197.5	
Average hourly earnings	-	186.9	186.1	186.6	184.9	185.9	185.1	189.6	199.5	198.5	199.5	200.2	199.0	

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				
	Apr. 1976	May 1976	Mar. 1977	Apr. p 1977	May p 1977
MANUFACTURING	\$ 4.92	\$ 4.93	\$ 5.27	\$ 5.31	\$ 5.35
DURABLE GOODS	5.26	5.28	5.61	5.65	5.71
Ordnance and accessories	5.47	5.47	5.92	5.95	—
Lumber and wood products	4.34	4.41	4.68	4.71	—
Furniture and fixtures	3.82	3.83	4.09	4.11	—
Stone, clay, and glass products	4.97	5.00	5.30	5.38	—
Primary metal industries	6.52	6.46	6.84	6.91	—
Fabricated metal products	5.13	5.19	5.42	5.45	—
Machinery, except electrical	5.47	5.49	5.79	5.83	—
Electrical equipment and supplies	4.67	4.69	5.04	5.07	—
Transportation equipment	6.12	6.16	6.62	6.62	—
Instruments and related products	4.66	4.66	4.96	4.97	—
Miscellaneous manufacturing industries	3.87	3.89	4.16	4.17	—
NONDURABLE GOODS	4.44	4.42	4.77	4.81	4.81
Food and kindred products	4.68	4.69	5.00	5.05	—
Tobacco manufactures	5.04	5.04	5.26	5.41	—
Textile mill products	3.41	3.42	3.69	3.71	—
Apparel and other textile products	3.33	3.32	3.51	3.52	—
Paper and allied products	5.02	5.03	5.44	5.49	—
Printing and publishing	(²)	(²)	(²)	(²)	—
Chemicals and allied products	5.55	5.58	5.97	6.00	—
Petroleum and coal products	6.88	6.85	7.40	7.42	—
Rubber and plastics products, nec	4.37	4.19	4.82	4.85	—
Leather and leather products	3.34	3.33	3.54	3.54	—

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

p = preliminary.

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Married worker with 3 dependents		
	Apr. 1976	Mar. 1977	Apr. 1977 ^P	Apr. 1976	Mar. 1977	Apr. 1977 ^P	Apr. 1976	Mar. 1977	Apr. 1977 ^P
TOTAL PRIVATE:									
Current dollars	\$171.12	\$183.96	\$184.89	\$140.17	\$149.44	\$150.11	\$152.54	\$162.27	\$162.96
1967 dollars	101.74	103.23	102.95	83.34	83.86	83.58	90.69	91.06	90.73
MINING:									
Current dollars	267.76	296.29	299.40	210.46	230.40	232.43	225.96	247.66	250.02
1967 dollars	159.19	166.27	166.70	125.12	129.29	129.42	134.34	138.38	139.21
CONTRACT CONSTRUCTION:									
Current dollars	278.25	289.62	290.40	217.96	226.03	226.55	234.01	242.62	243.21
1967 dollars	165.43	162.53	161.69	129.58	126.84	126.14	139.13	136.15	135.42
MANUFACTURING:									
Current dollars	198.74	220.30	220.80	160.10	176.05	176.42	173.37	189.58	189.95
1967 dollars	118.16	123.63	122.94	95.18	98.79	98.23	103.07	106.39	105.76
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	251.46	267.73	271.20	198.81	210.44	212.92	213.37	225.94	228.62
1967 dollars	149.50	150.24	151.00	118.20	118.09	118.55	126.85	126.79	127.29
WHOLESALE AND RETAIL TRADE:									
Current dollars	130.99	139.02	140.01	110.28	116.31	117.06	123.33	129.08	129.76
1967 dollars	77.88	78.01	77.96	65.56	65.27	65.18	73.32	72.44	72.25
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	158.84	165.07	166.62	131.21	135.81	136.93	143.07	147.87	149.07
1967 dollars	94.44	92.63	92.77	78.01	76.21	76.24	85.06	82.98	83.00
SERVICES:									
Current dollars	143.19	153.85	154.51	119.45	127.46	127.95	131.92	139.19	139.17
1967 dollars	85.13	86.34	86.03	71.02	71.53	71.24	78.43	78.11	77.79
CONSUMER PRICE INDEX (All items, 1967 = 100)	168.2	178.2	179.6	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.					

¹For 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—Continued

[1967 = 100]

Industry division and group	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p
	Hours				
TOTAL	109.5	111.3	112.1	113.4	115.2
GOODS-PRODUCING	93.3	96.4	96.6	98.1	100.5
MINING	122.8	124.9	136.3	138.3	138.6
CONTRACT CONSTRUCTION	98.9	103.9	96.8	105.1	111.8
MANUFACTURING	91.3	94.1	95.2	95.5	97.2
DURABLE GOODS	89.9	93.6	95.1	95.5	97.7
Ordnance and accessories	39.4	39.9	38.9	39.9	40.9
Lumber and wood products	94.0	97.3	99.2	101.6	104.9
Furniture and fixtures	100.1	102.9	103.0	102.6	104.1
Stone, clay, and glass products	96.5	100.0	98.0	101.7	104.5
Primary metal industries	86.5	88.1	87.5	89.5	91.4
Fabricated metal products	93.6	98.1	99.7	99.8	102.1
Machinery, except electrical	91.6	94.1	99.2	97.9	99.9
Electrical equipment and supplies	87.7	91.1	94.5	94.6	96.1
Transportation equipment	86.8	93.6	93.9	93.9	97.1
Instruments and related products	104.5	109.0	110.7	109.4	110.9
Miscellaneous manufacturing	90.8	94.6	92.8	92.1	93.7
NONDURABLE GOODS	93.2	94.7	95.4	95.4	96.4
Food and kindred products	88.5	91.4	90.8	90.3	91.2
Tobacco manufactures	74.7	73.5	67.9	71.1	68.8
Textile mill products	94.8	99.0	98.5	98.5	99.0
Apparel and other textile products	88.6	91.4	88.1	86.4	88.3
Paper and allied products	93.6	96.2	96.4	98.3	99.4
Printing and publishing	91.6	92.9	94.1	93.7	94.7
Chemicals and allied products	99.9	99.2	101.7	102.9	102.6
Petroleum and coal products	112.3	113.8	113.0	117.8	115.9
Rubber and plastics products, nec	117.6	106.2	130.1	130.3	132.5
Leather and leather products	76.6	80.3	71.1	71.5	72.7
SERVICE-PRODUCING	120.8	121.6	122.8	124.0	125.4
TRANSPORTATION AND PUBLIC UTILITIES	101.0	101.1	102.2	102.4	103.9
WHOLESALE AND RETAIL TRADE	117.0	117.6	117.2	118.7	120.3
WHOLESALE TRADE	112.1	113.3	115.0	115.1	115.7
RETAIL TRADE	119.0	119.3	118.0	120.1	122.1
FINANCE, INSURANCE, AND REAL ESTATE	125.4	125.8	129.3	130.3	131.7
SERVICES	133.7	135.3	137.9	139.2	140.2

¹For 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**

[1967 = 100]

Industry division and group	Apr. 1976	May 1976	Mar. 1977	Apr. 1977 ^p	May 1977 ^p
	Payrolls				
TOTAL	195.4	200.6	213.9	218.0	223.2
GOODS-PRODUCING	169.3	177.1	187.8	192.4	199.0
MINING	243.7	248.8	289.8	295.7	295.5
CONTRACT CONSTRUCTION	180.3	192.4	185.3	200.9	214.4
MANUFACTURING	163.6	170.4	184.5	186.2	191.3
DURABLE GOODS	162.1	171.2	185.1	186.9	193.8
Ordnance and accessories	69.1	70.5	74.8	76.9	79.1
Lumber and wood products	179.6	189.6	204.9	211.4	220.3
Furniture and fixtures	168.1	173.6	185.8	185.7	190.2
Stone, clay, and glass products	178.1	186.5	193.4	204.3	212.0
Primary metal industries	175.2	177.6	186.8	193.4	203.1
Fabricated metal products	165.7	177.9	189.1	190.1	196.4
Machinery, except electrical	161.3	167.9	187.9	186.3	191.0
Electrical equipment and supplies	150.6	158.4	176.5	177.7	181.8
Transportation equipment	159.5	176.5	191.1	191.1	201.2
Instruments and related products	175.0	184.1	198.1	195.8	200.1
Miscellaneous manufacturing	152.7	160.7	168.6	167.3	171.7
NONDURABLE GOODS	166.2	168.9	183.5	185.1	187.2
Food and kindred products	163.7	169.8	179.7	180.4	183.3
Tobacco manufactures	168.5	166.2	160.6	174.2	167.6
Textile mill products	162.4	171.8	184.2	185.2	186.2
Apparel and other textile products	147.3	152.1	155.0	151.8	155.3
Paper and allied products	171.5	177.9	192.2	198.0	201.1
Printing and publishing	156.5	160.6	171.3	171.1	174.2
Chemicals and allied products	185.7	185.2	203.4	207.5	208.0
Petroleum and coal products	223.5	226.2	242.7	255.1	249.7
Rubber and plastics products, nec	192.8	168.5	238.3	240.3	243.2
Leather and leather products	126.5	132.7	124.3	125.0	127.2
SERVICE-PRODUCING	217.8	220.8	236.3	240.0	244.0
TRANSPORTATION AND PUBLIC UTILITIES	198.4	199.7	212.2	214.6	218.3
WHOLESALE AND RETAIL TRADE	204.0	206.8	219.4	223.6	227.4
WHOLESALE TRADE	198.7	202.9	216.5	219.1	221.7
RETAIL TRADE	207.3	208.9	221.0	225.9	230.4
FINANCE, INSURANCE, AND REAL ESTATE	210.5	212.4	225.6	229.1	233.7
SERVICES	251.2	256.1	278.1	281.9	286.1

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^p
TOTAL PRIVATE	36.3	36.1	36.1	36.1	36.0	36.1	36.2	36.2	35.8	36.3	36.3	36.2	36.3
MINING	42.4	42.2	42.6	41.2	43.5	43.3	43.3	43.7	42.9	43.6	44.4	44.4	43.5
CONTRACT CONSTRUCTION	37.1	37.3	36.9	36.8	35.9	37.3	37.4	37.3	35.4	37.8	37.1	37.2	37.2
MANUFACTURING	40.3	40.2	40.1	40.0	39.7	39.9	40.1	40.0	39.5	40.3	40.4	40.2	40.4
<i>Overtime hours</i>	3.3	3.2	3.1	3.0	3.0	2.9	3.1	3.2	3.2	3.3	3.3	3.4	3.4
DURABLE GOODS	40.9	40.9	40.9	40.8	40.2	40.5	40.8	40.5	40.0	40.8	41.0	40.8	41.1
<i>Overtime hours</i>	3.4	3.4	3.3	3.1	3.0	3.0	3.2	3.3	3.4	3.3	3.4	3.6	3.7
Ordnance and accessories	40.8	41.1	40.9	40.7	40.1	40.6	40.6	41.0	40.5	40.6	40.6	41.1	40.5
Lumber and wood products	40.1	39.8	40.6	40.2	39.8	40.3	40.3	40.3	39.9	40.5	40.1	40.0	39.8
Furniture and fixtures	39.0	38.6	38.6	38.5	38.0	38.4	38.6	38.6	37.0	38.1	38.6	38.3	38.5
Stone, clay, and glass products	41.4	41.4	41.0	41.1	40.9	41.4	41.2	41.2	39.9	41.4	41.4	41.7	41.9
Primary metal industries	41.0	41.2	41.2	40.9	40.3	40.2	40.3	40.1	40.0	40.6	41.1	41.4	41.7
Fabricated metal products	41.0	41.0	41.0	41.0	40.6	40.4	40.8	40.5	39.9	40.8	41.0	40.7	41.0
Machinery, except electrical	41.2	41.2	41.5	41.4	40.8	41.2	41.5	41.2	40.6	41.3	41.5	41.4	41.7
Electrical equipment and supplies	40.2	40.1	40.1	40.1	39.7	40.0	40.3	40.2	39.4	40.6	40.3	40.0	40.2
Transportation equipment	42.4	42.5	42.0	41.9	41.1	41.2	42.0	41.1	41.4	41.4	42.8	41.9	42.8
Instruments and related products	40.8	40.5	40.8	40.4	39.9	40.3	40.4	40.7	39.8	40.8	40.4	40.0	40.3
Miscellaneous manufacturing, Ind.	38.7	38.5	38.8	38.5	38.2	38.7	39.0	38.9	38.2	39.5	39.3	38.8	39.0
NONDURABLE GOODS	39.5	39.3	39.1	38.9	39.0	39.1	39.2	39.3	38.7	39.6	39.5	39.5	39.4
<i>Overtime hours</i>	3.1	2.9	2.9	2.8	2.9	2.8	3.0	3.1	3.0	3.2	3.1	3.2	3.1
Food and kindred products	40.2	40.1	40.0	40.1	40.2	40.3	40.4	40.1	39.5	40.3	40.2	40.1	39.9
Tobacco manufactures	38.6	38.3	35.0	36.8	37.1	37.5	36.9	37.5	36.1	39.4	38.4	38.3	38.1
Textile mill products	40.6	40.3	40.2	39.3	39.0	39.4	39.8	40.1	39.7	40.5	40.8	40.5	40.3
Apparel and other textile products	36.0	35.8	35.5	35.2	34.9	35.0	35.1	35.3	34.2	35.7	35.6	35.1	35.6
Paper and allied products	42.8	42.4	42.3	42.1	42.2	42.1	42.4	42.6	41.9	42.7	42.8	43.3	43.0
Printing and publishing	37.6	37.5	37.7	37.5	37.4	37.5	37.6	37.7	37.4	37.9	37.7	37.7	37.7
Chemicals and allied products	41.6	41.5	41.4	41.3	41.9	41.6	41.7	41.7	41.6	41.7	41.8	41.8	41.5
Petroleum and coal products	42.2	42.0	42.2	42.3	42.2	42.0	41.9	42.5	42.3	42.5	43.0	42.7	42.1
Rubber and plastics products, nec	40.7	40.3	40.3	40.0	40.5	41.1	41.2	41.5	40.9	41.4	41.2	41.2	41.4
Leather and leather products	38.2	37.0	37.0	36.7	36.5	36.4	36.4	36.5	35.3	36.7	36.4	37.1	36.6
TRANSPORTATION AND PUBLIC UTILITIES	39.7	39.8	39.8	40.0	39.9	39.8	40.2	40.5	39.8	40.5	40.3	40.2	40.4
WHOLESALE AND RETAIL TRADE	33.7	33.5	33.6	33.6	33.6	33.5	33.4	33.6	33.2	33.4	33.5	33.5	33.5
WHOLESALE TRADE	38.8	38.8	39.1	38.9	38.8	38.7	38.7	38.6	38.7	39.1	38.9	38.9	38.7
RETAIL TRADE	32.2	31.9	32.0	32.0	32.1	32.0	31.9	32.2	31.6	31.8	31.9	31.9	32.0
FINANCE, INSURANCE, AND REAL ESTATE	36.8	36.6	36.6	36.8	36.7	36.7	36.7	36.7	36.8	36.6	36.7	36.7	36.8
SERVICES	33.6	33.4	33.4	33.5	33.5	33.6	33.5	33.5	33.5	33.6	33.5	33.5	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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^p
	Average hourly earnings												
TOTAL PRIVATE	\$ 4.84	\$ 4.85	\$ 4.88	\$ 4.91	\$ 4.92	\$ 4.95	\$ 5.00	\$ 5.02	\$ 5.07	\$ 5.09	\$ 5.12	\$ 5.17	\$ 5.20
MINING	6.36	6.33	6.44	6.34	6.60	6.62	6.62	6.67	6.67	6.72	6.78	6.81	6.81
CONTRACT CONSTRUCTION	7.66	7.68	7.77	7.74	7.71	7.76	7.81	7.82	7.94	7.88	7.90	7.94	7.93
MANUFACTURING	5.13	5.16	5.21	5.25	5.29	5.29	5.34	5.38	5.43	5.43	5.49	5.53	5.58
TRANSPORTATION AND PUBLIC UTILITIES	6.44	6.47	6.48	6.52	6.54	6.58	6.62	6.64	6.69	6.74	6.75	6.81	6.85
WHOLESALE AND RETAIL TRADE	3.94	3.95	3.98	4.00	4.03	4.05	4.08	4.11	4.15	4.18	4.19	4.23	4.23
FINANCE, INSURANCE, AND REAL ESTATE	4.36	4.34	4.37	4.43	4.39	4.43	4.42	4.43	4.51	4.48	4.50	4.53	4.58
SERVICES	4.34	4.36	4.35	4.39	4.39	4.43	4.48	4.50	4.58	4.58	4.61	4.64	4.67
	Average weekly earnings												
TOTAL PRIVATE:													
Current dollars	175.69	175.09	176.17	177.25	177.12	178.70	181.00	181.72	181.51	184.77	185.86	187.15	188.76
1967 dollars	103.65	120.87	103.02	103.17	102.74	103.29	104.32	104.32	103.37	104.21	104.18	104.09	-
Real spendable earnings (worker and 3 dependents, 1967 dollars)	92.06	91.42	91.47	91.51	91.14	91.51	92.24	92.18	91.36	91.86	91.75	91.58	-

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				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^P
TOTAL	112.0	111.6	111.8	111.8	112.2	112.2	112.8	113.3	112.3	114.2	115.2	115.4	116.0
GOODS-PRODUCING	97.2	96.8	96.5	95.7	95.9	96.0	97.2	96.9	95.2	98.3	100.0	100.5	101.4
MINING	124.7	125.0	127.7	115.6	131.7	131.1	132.6	134.0	130.7	134.6	141.5	141.7	138.6
CONTRACT CONSTRUCTION	104.0	104.0	103.7	102.5	99.4	104.2	105.7	104.3	96.4	105.9	108.1	111.4	111.9
MANUFACTURING	95.1	94.6	94.2	93.9	94.0	93.2	94.5	94.4	93.8	95.7	97.1	97.2	98.2
DURABLE GOODS	94.0	93.8	93.5	93.6	93.2	92.0	93.8	93.6	93.2	94.8	96.8	96.5	98.1
Ordnance and accessories	41.0	40.7	40.0	39.8	38.6	38.5	38.5	39.5	39.0	39.1	38.5	40.7	41.8
Lumber and wood products	96.6	96.1	98.6	97.6	98.2	99.4	100.8	101.9	101.1	103.0	103.4	103.9	104.3
Furniture and fixtures	105.1	103.3	102.3	101.2	102.4	102.2	102.8	103.5	98.5	102.7	105.3	105.5	106.1
Stone, clay, and glass products	99.5	99.7	99.2	98.6	98.9	99.7	100.2	99.1	96.1	97.1	101.5	103.9	104.2
Primary metal industries	88.3	89.2	90.1	89.8	88.8	86.2	85.7	85.0	84.8	85.5	88.5	89.7	91.5
Fabricated metal products	98.7	98.4	98.0	98.6	98.6	96.5	98.1	98.1	97.6	100.0	101.6	101.0	102.7
Machinery, except electrical	94.9	94.5	95.9	95.9	95.9	94.0	96.7	96.0	95.7	97.7	98.6	98.1	100.8
Electrical equipment and supplies	92.2	91.9	90.5	92.2	91.5	92.1	93.4	93.1	91.7	95.5	95.9	95.9	97.3
Transportation equipment	92.8	92.6	90.3	90.7	89.1	86.1	91.5	90.6	93.3	91.3	96.7	94.2	96.2
Instruments and related products	109.6	109.1	110.3	108.1	107.2	107.9	108.5	110.4	108.9	112.4	111.6	110.5	111.3
Miscellaneous manufacturing, Ind.	95.4	94.7	93.1	91.8	92.2	92.0	92.1	91.6	93.1	96.8	96.0	94.5	94.7
NONDURABLE GOODS	96.6	95.8	95.2	94.2	95.2	95.0	95.4	95.5	94.7	97.1	97.6	98.2	98.4
Food and kindred products	96.6	96.8	97.0	96.5	96.4	96.2	96.6	95.5	95.1	97.5	97.9	98.1	96.6
Tobacco manufactures	85.4	83.4	82.3	84.0	82.1	83.0	81.6	81.6	76.1	83.0	75.5	80.7	78.9
Textile mill products	99.9	98.6	98.0	95.5	95.2	95.0	95.6	96.1	95.4	97.9	99.5	99.7	100.0
Apparel and other textile products	92.0	91.4	88.9	87.6	86.2	85.7	86.1	86.3	84.1	88.0	87.9	87.1	88.9
Paper and allied products	98.1	97.3	96.9	96.1	96.5	95.7	97.0	97.2	96.2	98.0	98.3	100.8	101.2
Printing and publishing	93.6	93.1	93.6	92.9	93.1	93.4	93.6	93.7	93.0	94.8	94.3	94.6	95.5
Chemicals and allied products	100.0	99.0	99.4	99.8	100.3	99.4	100.0	100.0	100.4	101.8	102.2	103.2	103.4
Petroleum and coal products	113.9	111.6	112.2	112.4	112.2	112.5	113.1	114.7	115.0	114.7	118.7	120.4	116.2
Rubber and plastics products, nec	108.8	107.0	106.2	105.2	124.3	125.6	125.7	127.6	127.7	129.6	131.7	134.2	135.9
Leather and leather products	79.8	76.0	74.7	72.5	72.1	71.0	70.4	70.5	69.1	71.9	71.9	73.3	72.3
SERVICE-PRODUCING	122.3	121.8	122.5	123.0	123.6	123.5	123.5	124.6	124.1	125.3	125.8	125.8	126.1
TRANSPORTATION AND PUBLIC UTILITIES	101.9	101.6	102.1	102.5	102.9	102.0	103.2	105.0	102.7	104.4	104.2	104.0	104.8
WHOLESALE AND RETAIL TRADE	118.9	118.1	118.9	119.0	119.7	119.3	118.9	120.0	119.1	120.7	121.5	121.5	121.8
WHOLESALE TRADE	114.3	114.1	115.3	114.7	114.9	114.8	114.8	114.8	115.4	117.0	116.9	117.2	116.7
RETAIL TRADE	120.6	119.6	120.3	120.6	121.6	121.0	120.4	122.0	120.4	122.1	123.2	123.1	123.7
FINANCE, INSURANCE, AND REAL ESTATE	126.3	126.3	126.6	127.3	127.7	128.3	129.1	129.8	130.6	130.2	131.1	131.2	132.0
SERVICES	135.3	135.0	135.4	136.6	137.2	137.6	137.7	138.4	138.8	139.7	140.0	140.0	140.1

¹For 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		
	MARCH 1977	APRIL 1977 ^p	MAY 1977 ^p	May 1976 to May 1977	March 1977 to April 1977	April 1977 to May 1977
	TOTAL	155,514	155,843	156,444	3.3	0.2	0.4
PRIVATE SECTOR	125,891	126,182	126,652	3.6	0.2	0.4
MINING	1,944	1,956	1,920	12.2	0.6	-1.8
CONTRACT CONSTRUCTION	7,252	7,418	7,444	7.0	2.3	0.3
MANUFACTURING	40,478	40,553	40,790	3.0	0.2	0.6
DURABLE GOODS	24,022	23,984	24,225	3.8	-0.2	1.0
NONDURABLE GOODS	16,456	16,569	16,565	1.9	0.7	-0.0
TRANSPORTATION AND PUBLIC UTILITIES	9,573	9,549	9,618	3.5	-0.2	0.7
WHOLESALE AND RETAIL TRADE	31,757	31,769	31,831	2.6	0.0	0.2
FINANCE, INSURANCE, AND REAL ESTATE	8,498	8,510	8,567	4.6	0.1	0.7
SERVICES	26,389	26,428	26,482	4.1	0.1	0.2
GOVERNMENT	29,623	29,661	29,792	1.8	0.1	0.4

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.

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	Ir
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	116.4	117.8 r
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	130.0 r
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	110.4 r
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	199.2	204.4 r
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 r
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	171.1	173.6 r
Unit nonlabor payments	149.6	159.3	132.0	134.9	138.6	146.6	156.2	156.3	156.3 r	159.6 r	160.7	160.4	161.4 r
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	169.4 r
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	109.2	113.2	106.7	105.8	106.0	109.0	111.4	110.6	112.0	113.2	114.0	113.6	114.8 r
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	130.1 r
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	113.3 r
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	195.4	200.2 r
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	112.5	113.1 r
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	174.4 r
Unit nonlabor payments	144.8	155.6	127.0	129.7	136.0	142.3	150.0	150.3	152.6	154.2	157.6	158.0	157.4 r
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	168.6 r
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	124.7	124.7 r
Output	106.3	118.2	118.5	111.5	100.8	102.7	109.5	112.6	116.5	119.0	120.5	120.9	122.4 r
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	98.1 r
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	203.9 r
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	115.2 r
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	159.0	163.6 r
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	120.4	119.6 r
Output	101.3	112.5	113.9	107.9	96.9	97.9	104.2	106.4	110.2	113.8	116.3	115.8	116.7 r
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	97.6 r
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	199.1	204.5 r
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	115.5 r
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	165.3	171.0 r
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	131.8	132.8 r
Output	114.5	127.6	126.0	117.5	107.5	110.4	118.1	122.5	126.3	127.4	127.9	129.4	131.4 r
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	99.0 r
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	203.2 r
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	114.7 r
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	149.9	153.1 r
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	112.6 r	116.4 r	109.1	108.0	108.8	112.5	114.8 r	114.3 r	115.3 r	116.5 r	117.2 r	116.8 r	117.6 p
Output	124.0	133.1	127.7	123.7	119.7	122.4	126.2	127.5	130.8	133.0	134.0	134.5	136.4 p
Hours	110.1 r	114.3 r	117.1	114.6	110.0	108.8	109.9 r	111.6 r	113.4 r	114.2 r	114.4 r	115.1 r	116.0 p
Compensation per hour	179.6 r	192.3 r	165.1	169.9	175.5	178.3	180.8 r	183.7 r	187.4 r	190.7 r	193.7 r	197.4 r	202.9 p
Real compensation per hour	111.4 r	112.8 r	110.2	110.2	111.6	111.7	111.1 r	111.0 r	112.0 r	112.7 r	112.8 r	113.6 r	114.5 p
Total unit costs	166.8	172.6	155.2	162.0	167.4	165.9	165.4	168.7	169.6	171.0	172.8	176.7	179.8 p
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	169.0	172.6 p
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	200.7	202.2 p
Unit profits	87.0	107.0	66.4	60.2	61.6	82.4	102.0	100.5	106.0	107.1	111.3	103.8	101.6 p
Implicit price deflator	155.0	162.9	142.0	146.9	151.7	153.5	156.0	158.6	160.2	161.5	163.7	165.9	168.2 p

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	4.7 _r	4.7	6.1	3.9	2.6	3.2	2.7 _r
Output	3.6	10.2	5.5	2.9	2.3	8.0 _r	3.0	8.7	7.8	5.5	5.2	4.7 _r
Hours	5.9	2.9	2.6	0.1	2.1	3.2 _r	-1.6	2.4	3.8	2.8	1.9	2.0 _r
Compensation per hour	7.6	10.4	6.5	7.5	8.2	10.9 _r	7.8	7.2	7.3	8.0	8.1	8.3 _r
Real compensation per hour	0.9	5.6	1.8	1.3	3.5	2.5 _r	0.4	0.8	1.2	2.4	3.0	2.3 _r
Unit labor costs	10.0	3.1	3.5	4.5	8.0	5.9 _r	3.0	1.0	3.3	5.2	4.8	5.4 _r
Unit nonlabor payments	0.2	-0.1	8.8	2.8	-0.8	2.6 _r	15.8	12.7	8.8	2.9	2.6	3.3 _r
Implicit price deflator	6.6	2.1	5.2	3.9	5.0	4.8 _r	7.0	4.7	5.1	4.4	4.0	4.7 _r
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-2.8	5.4	4.4	2.6	-1.2	4.1 _r	4.5	5.7	3.9	2.4	2.8	2.4 _r
Output	4.5	10.5	5.4	3.0	1.9	8.3 _r	2.9	8.7	8.1	5.8	5.2	4.6 _r
Hours	7.6	4.8	1.0	0.4	3.2	4.1 _r	-1.6	2.9	4.1	3.4	2.3	2.1 _r
Compensation per hour	5.8	9.0	7.7	7.1	7.0	10.3 _r	7.7	7.1	7.2	7.4	7.7	8.0 _r
Real compensation per hour	-0.8	4.3	3.0	0.9	2.3	2.0 _r	0.3	0.6	1.1	1.8	2.6	2.0 _r
Unit labor costs	8.9	3.4	3.2	4.3	8.3	6.0 _r	3.0	1.3	3.2	4.9	4.8	5.4 _r
Unit nonlabor payments	0.6	6.3	4.4	9.0	1.1	-1.4 _r	15.8	12.2	8.4	5.0	5.1	3.2 _r
Implicit price deflator	6.2	4.3	3.6	5.8	5.9	3.5 _r	6.8	4.6	4.9	5.0	4.9	4.7 _r
MANUFACTURING:												
Output per hour of all persons	3.0	4.7	7.4	5.7	-0.2	-0.2 _r	6.1	10.9	9.2	5.2	4.4	3.1 _r
Output	11.9	14.4	8.9	5.3	1.3	4.7 _r	1.0	15.6	15.9	10.1	7.4	5.0 _r
Hours	8.7	9.3	1.4	-0.5	1.5	5.0 _r	-4.8	4.2	6.2	4.7	2.9	1.8 _r
Compensation per hour	6.8	9.2	8.6	6.2	7.9	11.7 _r	8.2	6.8	7.4	7.7	8.0	8.6 _r
Real compensation per hour	0.1	4.5	3.8	0.1	3.2	3.3 _r	0.8	0.3	1.3	2.1	2.9	2.6 _r
Unit labor costs	3.7	4.3	1.1	0.4	8.2	12.0 _r	2.0	-3.7	-1.6	2.4	3.5	5.3 _r
DURABLE GOODS												
Output per hour of all persons	1.1	3.6	9.9	6.1	-2.1	-2.8 _r	7.2	11.8	9.8	5.1	4.3	3.0 _r
Output	8.7	15.1	13.6	8.6	-1.3	3.1 _r	-1.4	13.8	16.2	11.5	8.8	5.8 _r
Hours	7.5	11.2	3.3	2.3	0.9	6.0 _r	-8.0	1.8	5.8	6.0	4.4	3.1 _r
Compensation per hour	6.7	8.5	9.4	4.3	6.6	11.4 _r	9.4	7.7	7.7	7.2	7.2	7.4 _r
Real compensation per hour	0.1	3.8	4.6	-1.7	1.9	3.0 _r	1.9	1.2	1.6	1.7	2.1	1.9 _r
Unit labor costs	5.5	4.8	-0.4	-1.7	8.9	14.6 _r	2.1	-3.7	-2.0	2.0	2.8	5.1 _r
NONDURABLE GOODS												
Output per hour of all persons	5.0	5.9	4.7	6.3	2.0	2.9 _r	4.1	9.0	8.2	5.5	4.7	4.0 _r
Output	15.9	13.0	3.5	1.6	4.6	6.5 _r	4.3	17.6	15.4	8.3	5.6	4.0 _r
Hours	10.5	6.7	-1.2	-4.4	2.5	3.5 _r	0.2	7.9	6.7	2.7	0.8	0.1 _r
Compensation per hour	7.2	9.9	6.5	8.6	10.5	11.9 _r	7.2	5.9	7.0	8.0	8.9	9.4 _r
Real compensation per hour	0.5	5.2	1.8	2.3	5.6	3.5 _r	0.2	0.9	0.9	2.4	3.2	3.3 _r
Unit labor costs	2.1	3.8	1.7	2.2	8.3	8.8 _r	3.0	-2.8	-1.1	2.5	4.0	5.2 _r
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-2.0 _r	3.8 _r	4.0 _r	2.4 _r	-1.2 _r	2.6 _p	5.8 _r	6.0 _r	3.5 _r	2.0 _r	2.2 _r	1.9 _p
Output	4.2	10.6	6.8	3.3	1.3	5.7 _p	3.1	9.3	8.6	6.2	5.4	4.2 _p
Hours	6.3 _r	6.6 _r	2.6 _r	0.8 _r	2.5 _r	3.0 _p	-2.6 _r	3.1 _r	4.9 _r	4.1 _r	3.1 _r	2.3 _p
Compensation per hour	6.4 _r	8.2 _r	7.3 _r	6.5 _r	7.8 _r	11.5 _p	8.1 _r	6.7 _r	6.9 _r	7.1 _r	7.5 _r	8.3 _p
Real compensation per hour	-0.2 _r	3.6 _r	2.5 _r	0.5 _r	3.0 _r	3.2 _p	0.7 _r	0.3 _r	0.9 _r	1.6 _r	2.4 _r	2.3 _p
Total unit costs	8.1	2.2	3.4	4.3	9.3	7.1 _p	4.1	1.3	3.1	4.5	4.7	6.0 _p
Unit labor costs	8.6	4.3	3.1	4.0	9.2	8.7 _p	2.2	0.7	3.3	5.0	5.1	6.2 _p
Unit nonlabor costs	7.1	-3.1	3.9	5.1	9.6	2.8 _p	9.4	2.9	2.5	3.2	3.8	5.3 _p
Unit profits	-5.9	23.8	4.2	16.9	-24.5	-8.1 _p	66.9	71.9	30.0	9.1	3.3	-4.1 _p
Implicit price deflator	6.7	4.1	3.4	5.5	5.4	5.6 _p	7.9	5.6	5.2	4.9	4.6	5.0 _p

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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
ALABAMA	\$176.88	\$191.35	\$193.84	40.2	40.2	40.3	\$4.40	\$4.76	\$4.81
Birmingham	217.71	228.66	234.26	39.8	40.4	40.6	5.47	5.66	5.77
Mobile	205.03	235.30	256.42	40.6	41.5	45.1	5.05	5.67	5.73
ALASKA	302.47	368.08	(*)	40.6	43.0	(*)	7.45	8.56	(*)
ARIZONA ¹	195.46	215.28	217.56	38.4	39.5	39.7	5.09	5.45	5.48
Phoenix ¹	192.65	216.11	215.97	38.3	39.8	39.7	5.03	5.43	5.44
Tucson ¹	203.04	213.46	215.42	38.6	38.6	38.4	5.26	5.53	5.61
ARKANSAS	147.04	165.11	166.32	38.9	39.5	39.6	3.78	4.18	4.20
Fayetteville-Springdale	136.81	150.13	149.75	39.2	39.3	39.0	3.49	3.82	3.84
Fort Smith	150.93	164.01	165.84	38.9	38.5	38.3	3.88	4.26	4.33
Little Rock-North Little Rock	167.62	193.73	189.13	38.8	40.7	39.9	4.32	4.76	4.74
Pine Bluff	187.50	200.86	216.63	41.3	41.5	43.5	4.54	4.84	4.98
CALIFORNIA	210.76	234.00	233.63	38.6	40.0	39.8	5.46	5.85	5.87
Anaheim-Santa Ana-Garden Grove	198.63	217.62	217.62	39.1	40.3	40.3	5.08	5.40	5.40
Bakersfield	225.97	245.86	245.63	38.3	39.4	39.3	5.90	6.24	6.25
Fresno	191.01	208.43	215.20	37.6	39.4	40.3	5.08	5.29	5.34
Los Angeles-Long Beach	196.86	219.64	219.05	38.6	40.3	39.9	5.10	5.45	5.49
Modesto	202.37	227.12	223.65	37.2	38.3	38.1	5.44	5.93	5.87
Oxnard-Simi Valley-Ventura	190.90	201.33	200.19	38.8	39.4	39.1	4.92	5.11	5.12
Riverside-San Bernardino-Ontario	229.60	237.61	239.60	40.0	39.8	40.0	5.74	5.97	5.99
Sacramento	217.50	244.48	248.68	37.5	38.5	39.1	5.80	6.35	6.36
Salinas-Seaside-Monterey	202.79	206.64	220.41	38.7	36.0	38.6	5.24	5.74	5.71
San Diego	206.27	225.23	231.08	36.9	38.5	39.3	5.59	5.85	5.88
San Francisco-Oakland	257.85	288.08	285.12	38.6	39.9	39.6	6.68	7.22	7.20
San Jose	235.82	259.94	254.23	39.5	40.3	39.6	5.97	6.45	6.42
Santa Barbara-Santa Maria-Lompoc	189.62	208.96	206.98	38.0	39.5	39.5	4.99	5.29	5.24
Santa Rosa	200.88	216.79	212.06	37.2	37.9	37.8	5.40	5.72	5.61
Stockton	220.20	259.64	254.54	36.7	39.7	39.1	6.00	6.54	6.51
Vallejo-Fairfield-Napa	230.47	221.86	227.48	38.8	37.1	37.6	5.94	5.98	6.05
COLORADO ²	209.33	215.17	(*)	39.2	38.7	(*)	5.34	5.56	(*)
Denver-Boulder ²	206.95	213.84	(*)	38.9	38.6	(*)	5.32	5.54	(*)
CONNECTICUT	198.80	225.09	225.36	40.0	41.3	41.2	4.97	5.45	5.47
Bridgeport	210.31	234.73	234.34	40.6	42.6	42.3	5.18	5.51	5.54
Hartford	221.00	254.65	249.31	40.7	42.3	41.9	5.43	6.02	5.95
New Britain	198.58	232.81	235.75	39.4	42.1	42.4	5.04	5.53	5.56
New Haven-West Haven	197.96	222.08	223.01	39.2	40.6	40.4	5.05	5.47	5.52
Stamford	208.90	225.89	228.35	40.8	41.6	41.9	5.12	5.43	5.45
Waterbury	170.64	193.49	194.79	39.5	41.7	41.8	4.32	4.64	4.66
DELAWARE	219.35	222.95	223.51	39.1	39.6	39.7	5.61	5.63	5.63
Wilmington	249.15	251.91	252.65	39.8	39.3	39.6	6.26	6.41	6.38
DISTRICT OF COLUMBIA:									
Washington SMSA ²	210.14	210.82	(*)	38.7	38.4	(*)	5.43	5.49	(*)
FLORIDA	169.92	183.92	183.01	39.7	40.6	40.4	4.28	4.53	4.53
Fort Lauderdale-Hollywood	168.60	181.85	178.53	39.3	40.5	40.3	4.29	4.49	4.43
Jacksonville	210.33	209.21	210.53	41.0	39.4	40.1	5.13	5.31	5.25
Miami	144.35	159.96	157.92	37.3	39.4	38.8	3.87	4.06	4.07
Orlando	178.42	191.35	195.02	41.3	40.2	40.8	4.32	4.76	4.78
Pensacola	236.13	230.71	230.05	46.3	42.1	41.6	5.10	5.48	5.53
Tampa-St. Petersburg	173.84	195.23	195.91	39.6	41.1	40.9	4.39	4.75	4.79
West Palm Beach-Boca Raton	195.02	237.23	217.59	39.8	45.1	40.9	4.90	5.26	5.32
GEORGIA ¹	155.62	174.84	174.26	39.2	40.1	42.4	3.97	4.36	4.11
Atlanta ¹	185.71	218.75	212.70	37.9	39.7	39.1	4.90	5.51	5.44
Savannah ¹	208.58	230.47	239.80	41.8	42.6	44.0	4.99	5.41	5.45
HAWAII ²	194.06	215.76	205.84	38.2	39.3	37.7	5.08	5.49	5.46
Honolulu ²	186.73	212.86	198.15	37.8	39.2	36.9	4.94	5.43	5.37
IDAHO	187.29	201.70	199.10	38.3	37.7	36.6	4.89	5.35	5.44

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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
ILLINOIS	(*)	\$247.75	\$249.13	(*)	40.5	40.4	(*)	\$6.12	\$6.17
INDIANA	\$ 230.10	261.62	264.04	39.2	41.2	41.0	\$ 5.87	6.35	6.44
Indianapolis	220.60	265.41	(*)	38.1	41.0	(*)	5.79	6.38	(*)
IOWA ²	227.88	253.08	254.29	39.7	40.3	40.3	5.74	6.28	6.31
Cedar Rapids ²	228.40	245.17	241.64	40.0	39.8	39.1	5.71	6.16	6.18
Des Moines ²	229.88	256.41	268.60	37.5	38.5	39.5	6.13	6.66	6.80
Dubuque ²	277.09	325.44	311.22	40.1	41.3	39.9	6.91	7.88	7.80
Sioux City ²	214.73	210.65	216.38	39.4	38.3	39.2	5.45	5.50	5.52
Waterloo—Cedar Falls ²	281.06	327.60	320.54	39.2	42.0	41.2	7.17	7.80	7.78
KANSAS	195.60	214.70	209.89	40.1	41.3	40.3	4.88	5.20	5.20
Topeka	208.19	227.59	229.33	41.3	41.6	41.9	5.04	5.47	5.48
Wichita	212.97	227.78	229.11	40.1	40.8	40.9	5.31	5.58	5.60
KENTUCKY	196.48	217.40	218.12	38.3	39.6	39.3	5.13	5.49	5.55
Louisville	224.43	241.41	252.25	39.1	39.0	39.6	5.74	6.19	6.37
LOUISIANA	215.42	231.54	235.75	40.8	41.2	41.0	5.28	5.62	5.75
Baton Rouge	286.44	287.30	(*)	43.4	42.5	(*)	6.60	6.76	(*)
New Orleans	210.54	236.57	237.63	39.5	41.0	40.9	5.33	5.77	5.81
Shreveport	184.80	203.42	204.18	40.0	41.6	41.5	4.62	4.89	4.92
MAINE	160.40	174.36	174.64	40.1	39.9	39.6	4.00	4.37	4.41
Lewiston—Auburn	137.11	136.86	139.83	39.4	36.4	36.7	3.48	3.76	3.81
Portland	167.58	180.00	180.35	39.9	40.0	39.9	4.20	4.50	4.52
MARYLAND	214.09	236.40	232.85	39.5	40.0	39.6	5.42	5.91	5.88
Baltimore	225.50	250.91	245.41	39.7	40.6	40.1	5.68	6.18	6.12
MASSACHUSETTS	183.92	186.80	183.92	39.3	40.0	39.3	4.68	4.67	4.68
Boston ²	200.43	222.56	(*)	39.3	40.1	(*)	5.10	5.55	(*)
Brockton ²	149.74	158.80	(*)	38.2	37.9	(*)	3.92	4.19	(*)
Fall River ²	135.70	145.75	(*)	35.9	35.9	(*)	3.78	4.06	(*)
Lawrence—Haverhill ²	177.00	195.60	(*)	38.9	40.0	(*)	4.55	4.89	(*)
Lowell ²	164.48	176.67	(*)	38.7	39.0	(*)	4.25	4.53	(*)
New Bedford ²	156.18	168.73	(*)	38.0	38.7	(*)	4.11	4.36	(*)
Springfield—Chicopee—Holyoke ²	187.46	200.90	(*)	39.8	41.4	(*)	4.71	5.07	(*)
Worcester ²	184.69	203.78	(*)	38.8	39.8	(*)	4.76	5.12	(*)
MICHIGAN	267.03	314.58	(*)	40.7	42.8	(*)	6.56	7.35	(*)
Ann Arbor	276.66	338.08	(*)	40.3	43.1	(*)	6.87	7.84	(*)
Battle Creek	265.48	288.27	(*)	40.0	41.3	(*)	6.64	6.98	(*)
Bay City	295.49	326.54	(*)	46.6	48.0	(*)	6.34	6.80	(*)
Detroit	286.67	339.65	(*)	41.2	43.3	(*)	6.96	7.84	(*)
Flint	307.78	367.34	(*)	42.4	45.1	(*)	7.26	8.15	(*)
Grand Rapids	213.90	249.87	(*)	39.4	41.5	(*)	5.43	6.02	(*)
Jackson	226.71	257.77	(*)	38.9	41.0	(*)	5.83	6.29	(*)
Kalamazoo—Portage	232.38	272.88	(*)	39.9	41.7	(*)	5.82	6.54	(*)
Lansing—East Lansing	277.64	356.28	(*)	40.8	45.9	(*)	6.81	7.76	(*)
Muskegon—Norton Shores—Muskegon Heights	231.01	257.51	(*)	40.4	41.4	(*)	5.72	6.22	(*)
Saginaw	301.47	370.80	(*)	40.8	44.6	(*)	7.39	8.31	(*)
MINNESOTA	211.92	235.17	236.38	39.1	40.2	40.2	5.42	5.85	5.88
Duluth—Superior	200.90	203.32	219.87	40.1	39.1	41.8	5.01	5.20	5.26
Minneapolis—St. Paul	226.51	252.13	253.53	39.6	40.6	40.5	5.72	6.21	6.26
MISSISSIPPI	146.98	162.79	163.15	39.3	39.9	39.6	3.74	4.08	4.12
Jackson	152.05	175.01	183.19	39.7	40.7	40.8	3.83	4.30	4.49
MISSOURI ²	194.66	216.61	223.04	38.7	39.6	39.9	5.03	5.47	5.59
Kansas City ²	220.92	258.96	250.48	39.1	41.7	40.4	5.65	6.21	6.20
St. Joseph ²	187.15	198.40	204.00	39.4	39.6	40.0	4.75	5.01	5.10
St. Louis ²	224.59	247.20	259.67	39.0	40.0	40.7	5.76	6.18	6.38
Springfield ²	165.74	188.10	180.69	38.1	39.6	38.2	4.35	4.75	4.73
MONTANA ²	221.18	259.91	(*)	38.6	42.4	(*)	5.73	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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
NEBRASKA ²	\$199.43	\$214.56	\$220.26	40.8	40.9	41.7	\$4.88	\$5.25	\$5.28
Lincoln ²	188.23	189.62	196.16	39.9	38.8	39.2	4.72	4.89	5.00
Omaha ²	221.38	246.15	244.22	41.4	42.2	42.1	5.34	5.83	5.80
NEVADA	209.93	233.02	225.23	38.1	39.9	38.5	5.51	5.84	5.85
Las Vegas	267.39	289.10	(*)	41.2	41.3	(*)	6.49	7.00	(*)
NEW HAMPSHIRE	162.36	178.44	178.44	39.6	40.1	40.1	4.10	4.45	4.45
Manchester	148.21	160.36	159.16	38.9	39.4	39.3	3.81	4.07	4.05
Nashua	183.77	205.26	209.84	40.3	41.3	41.8	4.56	4.97	5.02
NEW JERSEY	207.38	236.97	236.80	39.5	41.5	41.2	5.25	5.71	5.73
Atlantic City	(*)	185.55	(*)	(*)	38.1	(*)	(*)	4.87	(*)
Camden ³	(*)	220.84	(*)	(*)	40.3	(*)	(*)	5.48	(*)
Hackensack ⁴	(*)	227.37	(*)	(*)	42.9	(*)	(*)	5.30	(*)
Jersey City ⁴	(*)	227.70	(*)	(*)	40.3	(*)	(*)	5.65	(*)
New Brunswick—Perth Amboy—Sayreville ⁴	(*)	251.22	(*)	(*)	41.8	(*)	(*)	6.01	(*)
Newark ⁴	(*)	249.21	(*)	(*)	42.6	(*)	(*)	5.85	(*)
Paterson—Clifton—Passaic ⁴	(*)	223.30	(*)	(*)	41.2	(*)	(*)	5.42	(*)
Trenton	(*)	237.39	(*)	(*)	41.0	(*)	(*)	5.79	(*)
NEW MEXICO	151.69	163.92	161.36	38.5	38.3	37.7	3.94	4.28	4.28
Albuquerque	150.93	164.54	164.82	38.8	38.0	38.6	3.89	4.33	4.27
NEW YORK	199.56	220.89	(*)	38.6	39.8	(*)	5.17	5.55	(*)
Albany—Schenectady—Troy ²	213.46	234.77	(*)	40.2	40.2	(*)	5.31	5.84	(*)
Binghamton	192.98	194.44	(*)	40.8	39.6	(*)	4.73	4.91	(*)
Buffalo	259.67	297.37	(*)	40.7	42.3	(*)	6.38	7.03	(*)
Elmira	197.39	214.67	(*)	39.4	40.2	(*)	5.01	5.34	(*)
Monroe County ⁵	258.49	286.18	(*)	40.9	41.9	(*)	6.32	6.83	(*)
Nassau—Suffolk ⁶	187.50	202.07	(*)	38.5	39.7	(*)	4.87	5.09	(*)
New York—Northeastern New Jersey ¹	(*)	215.46	(*)	(*)	39.9	(*)	(*)	5.40	(*)
New York and Nassau—Suffolk ⁴	178.97	196.35	(*)	36.9	38.2	(*)	4.85	5.14	(*)
New York SMSA ⁶	177.14	195.19	(*)	36.6	37.9	(*)	4.84	5.15	(*)
New York City ⁷	174.85	193.40	(*)	36.2	37.7	(*)	4.83	5.13	(*)
Poughkeepsie	206.46	226.85	(*)	39.4	41.7	(*)	5.24	5.44	(*)
Rochester	245.43	272.30	(*)	40.5	41.7	(*)	6.06	6.53	(*)
Rockland County ⁷	205.22	219.63	(*)	42.4	42.4	(*)	4.84	5.18	(*)
Syracuse	213.86	246.33	(*)	39.9	41.4	(*)	5.36	5.95	(*)
Utica—Rome	186.03	206.92	(*)	39.0	40.1	(*)	4.77	5.16	(*)
Westchester County ⁷	192.23	216.22	(*)	38.6	39.6	(*)	4.98	5.46	(*)
NORTH CAROLINA ²	142.42	159.19	158.34	38.7	39.5	39.0	3.68	4.03	4.06
Asheville ²	137.54	152.88	154.83	38.1	39.3	39.7	3.61	3.89	3.90
Charlotte—Gastonia ²	144.91	164.81	164.72	39.7	41.1	41.7	3.65	4.01	3.95
Greensboro—Winston-Salem—High Point ²	153.98	170.28	167.48	38.4	39.6	38.5	4.01	4.30	4.35
Raleigh—Durham ²	159.26	179.47	180.25	38.1	39.1	39.1	4.18	4.59	4.61
NORTH DAKOTA ¹	188.33	192.53	197.88	39.4	38.2	38.8	4.78	5.04	5.10
Fargo—Moorhead ¹	197.20	194.69	204.72	40.0	38.1	38.7	4.93	5.11	5.29
OHIO	239.98	273.14	275.46	40.4	41.7	41.8	5.94	6.55	6.59
Akron	239.44	276.36	276.36	41.0	42.0	42.0	5.84	6.58	6.58
Canton	242.40	259.91	253.36	40.0	39.5	38.8	6.06	6.58	6.53
Cincinnati	220.40	253.15	253.37	40.0	41.5	41.4	5.51	6.10	6.12
Cleveland	245.01	283.76	287.00	40.7	42.8	42.9	6.02	6.63	6.69
Columbus	214.03	245.62	243.00	39.2	40.8	40.5	5.46	6.02	6.00
Dayton	260.80	296.29	287.64	42.2	43.7	42.3	6.18	6.78	6.80
Toledo	246.40	268.09	291.90	40.0	39.6	42.8	6.16	6.77	6.82
Youngstown—Warren	271.86	301.44	306.23	39.4	40.3	40.4	6.90	7.48	7.58
OKLAHOMA	189.85	207.14	208.52	39.8	40.3	40.1	4.77	5.14	5.20
Oklahoma City	184.86	204.51	204.29	40.1	40.1	39.9	4.61	5.10	5.12
Tulsa	207.20	222.64	223.18	40.0	39.9	39.5	5.18	5.58	5.65
OREGON	223.49	246.91	246.40	38.4	38.7	38.5	5.82	6.38	6.40
Eugene—Springfield	241.80	262.68	(*)	40.1	39.5	(*)	6.03	6.65	(*)
Jackson County	219.65	247.98	(*)	38.4	39.3	(*)	5.72	6.31	(*)
Portland	224.46	244.58	(*)	38.5	38.7	(*)	5.83	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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
PENNSYLVANIA	\$203.04	\$222.61	\$223.25	38.6	39.4	39.1	\$5.26	\$5.65	\$5.71
Allentown—Bethlehem—Easton	196.94	217.93	215.80	37.3	38.1	37.4	5.28	5.72	5.77
Altoona	165.82	187.67	186.96	37.6	38.3	38.0	4.41	4.90	4.92
Delaware Valley ⁸	214.89	234.63	234.82	39.0	39.7	39.4	5.51	5.91	5.96
Erie	201.76	233.95	228.34	39.1	40.9	40.2	5.16	5.72	5.68
Harrisburg	183.05	199.14	197.49	38.7	39.2	38.8	4.73	5.08	5.09
Johnstown	257.11	243.42	246.77	40.3	38.7	38.8	6.38	6.29	6.36
Lancaster	180.26	202.07	199.53	38.6	39.7	39.2	4.67	5.09	5.09
Northeast Pennsylvania	146.14	164.53	160.82	35.3	36.4	35.5	4.14	4.52	4.53
Philadelphia SMSA ²	209.52	(*)	(*)	38.8	(*)	(*)	5.40	(*)	(*)
Pittsburgh	251.77	270.92	271.32	39.9	39.9	39.9	6.31	6.79	6.80
Reading	179.27	208.15	205.28	37.9	39.8	39.1	4.73	5.23	5.25
Scranton ⁹	147.46	174.65	171.77	36.5	38.3	37.1	4.04	4.56	4.63
Wilkes-Barre—Hazleton ¹⁰	140.63	156.80	153.08	34.3	35.0	34.4	4.10	4.48	4.45
Williamsport	172.21	197.46	194.06	37.6	39.1	38.2	4.58	5.05	5.08
York	182.22	206.04	206.04	39.7	40.8	40.8	4.59	5.05	5.05
RHODE ISLAND	158.71	169.85	168.48	38.9	39.5	39.0	4.08	4.30	4.32
Providence—Warwick—Pawtucket	163.34	170.68	169.74	39.3	39.6	39.2	4.08	4.31	4.33
SOUTH CAROLINA	147.41	166.84	169.70	39.1	40.3	40.5	3.77	4.14	4.19
Charleston—North Charleston	174.12	190.34	190.81	40.4	41.2	41.3	4.31	4.62	4.62
Columbia	145.92	168.30	174.72	38.3	39.6	39.8	3.81	4.25	4.39
Greenville—Spartanburg	146.26	164.77	167.68	38.9	39.8	40.7	3.76	4.14	4.12
SOUTH DAKOTA ²	177.56	193.68	(*)	39.9	40.1	(*)	4.45	4.83	(*)
Sioux Falls ²	233.33	238.05	(*)	42.5	41.4	(*)	5.49	5.75	(*)
TENNESSEE ²	164.74	180.05	181.25	39.6	40.1	40.1	4.16	4.49	4.52
Chattanooga ²	173.23	190.48	186.52	40.1	40.7	39.6	4.32	4.68	4.71
Knoxville ²	188.16	213.46	215.18	38.4	40.2	40.6	4.90	5.31	5.30
Memphis ²	193.20	204.88	203.45	40.0	39.4	38.9	4.83	5.20	5.23
Nashville—Davidson ²	169.45	187.70	192.86	38.6	39.6	39.2	4.39	4.74	4.92
TEXAS	197.56	210.54	212.40	40.4	39.8	40.0	4.89	5.29	5.31
Amarillo	185.90	226.45	228.07	40.5	43.8	44.2	4.59	5.17	5.16
Austin	165.21	181.33	180.37	40.1	41.4	40.9	4.12	4.38	4.41
Beaumont—Port Arthur—Orange	286.75	320.61	323.18	41.8	41.8	41.7	6.86	7.67	7.75
Corpus Christi	252.56	232.30	234.50	45.1	40.4	40.5	5.60	5.75	5.79
Dallas—Fort Worth	180.12	196.58	195.42	39.5	40.2	39.8	4.56	4.89	4.91
El Paso	135.70	146.30	157.29	37.8	38.4	41.5	3.59	3.81	3.79
Galveston—Texas City	330.25	337.88	342.24	43.8	42.5	42.2	7.54	7.95	8.11
Houston	242.65	270.72	269.24	42.2	42.7	42.4	5.75	6.34	6.35
Lubbock	148.60	160.61	159.47	40.6	41.5	41.1	3.66	3.87	3.88
San Antonio	153.14	160.80	163.18	40.3	40.0	39.8	3.80	4.02	4.10
Waco	170.56	174.00	171.54	41.0	40.0	39.8	4.16	4.35	4.31
Wichita Falls	173.76	184.22	196.21	38.7	38.3	39.4	4.49	4.81	4.98
UTAH	187.02	205.36	200.76	38.8	40.4	40.0	4.82	5.08	5.02
Salt Lake City—Ogden	181.03	195.80	195.49	39.1	40.1	40.3	4.63	4.88	4.85
VERMONT ²	173.32	187.68	185.84	40.4	40.8	40.4	4.29	4.60	4.60
Burlington ²	216.29	224.37	213.21	43.0	42.9	41.4	5.03	5.23	5.15
Springfield ²	184.61	208.00	213.62	39.7	40.0	41.4	4.65	5.20	5.16
VIRGINIA	164.22	179.78	181.24	39.1	39.6	39.4	4.20	4.54	4.60
Lynchburg	160.29	179.15	172.28	39.0	39.9	38.2	4.11	4.49	4.51
Norfolk—Virginia Beach—Portsmouth	177.89	213.18	211.42	40.8	41.8	41.7	4.36	5.10	5.07
Northern Virginia ¹¹	193.11	212.22	207.90	38.7	40.5	39.6	4.99	5.24	5.25
Richmond	204.59	211.85	216.28	41.0	38.8	38.9	4.99	5.46	5.56
Roanoke	148.97	165.15	162.37	39.1	39.7	39.7	3.81	4.16	4.09
WASHINGTON ²	240.79	260.41	(*)	38.9	39.1	(*)	6.19	6.66	(*)
Seattle—Everett ²	250.19	265.98	(*)	39.4	39.0	(*)	6.35	6.82	(*)
Spokane ²	220.09	227.56	(*)	39.8	39.1	(*)	5.53	5.82	(*)
Tacoma ²	242.32	260.56	(*)	38.1	39.3	(*)	6.36	6.63	(*)
WEST VIRGINIA	209.82	232.22	233.44	39.0	39.9	39.7	5.38	5.82	5.88
Charleston	248.07	271.28	271.47	40.6	41.8	41.7	6.11	6.49	6.51
Huntington—Ashland	248.35	253.53	255.96	39.8	39.8	39.5	6.24	6.37	6.48
Parkersburg—Marietta	230.69	246.04	244.82	39.3	40.6	40.2	5.87	6.06	6.09

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		
	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P	APR. 1976	MAR. 1977	APR. 1977P
WEST VIRGINIA—Continued									
Wheeling	\$226.97	\$233.78	\$244.58	40.1	40.1	40.9	\$5.66	\$5.83	\$5.98
WISCONSIN	220.10	241.01	244.14	39.6	40.3	40.4	5.56	5.99	6.04
Appleton—Oshkosh	208.23	236.56	238.30	40.2	41.4	41.9	5.18	5.72	5.68
Green Bay	228.39	247.38	251.28	41.9	42.0	42.4	5.45	5.90	5.92
Kenosha	261.38	263.48	281.25	38.9	39.6	39.8	6.71	6.66	7.06
La Crosse	187.01	209.01	208.17	40.0	40.6	40.4	4.68	5.15	5.16
Madison	246.86	260.32	272.06	40.2	39.5	40.8	6.13	6.59	6.66
Milwaukee	238.73	266.02	266.88	39.2	40.6	40.5	6.09	6.56	6.59
Racine	229.82	256.20	256.38	38.6	40.0	39.7	5.95	6.40	6.46
WYOMING	214.52	224.83	225.98	39.8	39.1	39.3	5.39	5.75	5.75
Casper	262.40	274.99	269.43	41.0	40.8	38.6	6.40	6.74	6.98
Cheyenne	256.16	221.34	231.43	41.3	38.9	41.4	6.21	5.69	5.59

¹ Based on 1972 Standard Industrial Classification and adjusted to 1976 benchmark; not strictly comparable with previously published data.

² Based on 1967 Standard Industrial Classification.

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	3.9	4.4	4.8	4.2	5.1	4.4	3.5	3.0	2.2
1977	-	3.7	3.7	4.0	3.8 ^p								
New hires													
1965	3.1	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2
1966	3.8	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1
1967	3.3	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0
1968	3.5	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.4	2.7	2.9	3.6	4.1	3.4	4.4	4.3	3.8	2.9	2.0
1973	3.9	3.5	3.1	3.5	3.6	4.4	5.0	4.1	5.0	4.7	4.3	3.0	2.0
1974	3.2	3.2	2.7	3.0	3.3	3.9	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.0	2.4	1.7	1.3
1976	2.6	2.1	2.1	2.6	2.5	3.0	3.6	2.8	3.5	3.2	2.5	1.9	1.3
1977	-	2.2	2.1	2.6	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	3.5	3.4	3.5	4.3	4.9	4.6	4.1	3.4	3.5
1977	-	3.9	3.4	3.4	3.4 ^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	1.7 ^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	.9 ^p								

p=preliminary.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P
-	MANUFACTURING	4.0	3.8	2.6	2.7	3.4	3.4	1.6	1.7	1.0	0.9
19,24,25,32-39	DURABLE GOODS	4.0	3.7	2.5	2.4	3.0	3.0	1.4	1.5	.8	.7
20-23,26-31	NONDURABLE GOODS	4.1	4.1	2.8	3.0	3.9	4.0	1.9	2.1	1.2	1.1
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	2.1	-	1.2	-	2.0	-	.6	-	.8	-
192	Ammunition, except for small arms	1.9	-	.9	-	2.3	-	.4	-	1.1	-
24	LUMBER AND WOOD PRODUCTS	6.2	6.2	4.7	4.8	4.9	4.9	2.9	3.1	1.0	.7
242	Sawmills and planing mills	4.8	-	3.8	-	4.3	-	2.7	-	.8	-
2421	Sawmills and planing mills, general	4.7	-	3.6	-	4.0	-	2.4	-	.8	-
243	Millwork, plywood and related products	7.6	-	5.7	-	4.8	-	2.8	-	.8	-
2431	Millwork	6.6	-	5.7	-	5.3	-	3.0	-	1.2	-
2432	Veneer and plywood	4.8	-	3.7	-	4.2	-	2.4	-	.5	-
244	Wooden containers	8.3	-	6.2	-	7.0	-	5.0	-	.9	-
2441,2	Wooden boxes, shooks, and crates	8.5	-	6.1	-	6.5	-	4.6	-	.8	-
249	Miscellaneous wood products	6.3	-	5.1	-	4.8	-	3.1	-	.8	-
25	FURNITURE AND FIXTURES	5.1	5.3	3.9	4.2	5.1	5.3	3.1	3.1	1.0	1.1
251	Household furniture	5.4	-	4.3	-	5.5	-	3.5	-	.8	-
2511	Wood household furniture	5.7	-	4.2	-	5.8	-	3.7	-	.9	-
2512	Upholstered household furniture	4.7	-	4.0	-	4.8	-	3.3	-	.6	-
2515	Mattresses and bedsprings	4.4	-	3.6	-	4.4	-	2.3	-	1.0	-
252	Office furniture	4.5	-	2.7	-	3.4	-	1.6	-	.9	-
32	STONE, CLAY, AND GLASS PRODUCTS	6.4	5.2	3.0	3.1	3.3	3.2	1.5	1.6	1.0	.9
321	Flat glass	2.1	-	.8	-	2.2	-	.3	-	1.3	-
322	Glass and glassware, pressed or blown	5.0	-	1.7	-	2.2	-	.8	-	.6	-
3221	Glass containers	5.3	-	1.7	-	2.2	-	.9	-	.7	-
3229	Pressed and blown glass, nec	4.5	-	1.6	-	2.1	-	.7	-	.4	-
324	Cement, hydraulic	5.4	-	1.0	-	2.2	-	.2	-	1.6	-
325	Structural clay products	11.0	-	4.4	-	3.8	-	2.6	-	.4	-
3251	Brick and structural clay tile	15.8	-	6.4	-	5.3	-	4.1	-	.5	-
326	Pottery and related products	6.8	-	3.6	-	3.3	-	1.7	-	.6	-
3291	Abrasive products	2.2	-	1.5	-	1.8	-	.8	-	.3	-
33	PRIMARY METAL INDUSTRIES	4.2	3.0	1.5	1.5	2.2	1.9	.7	.7	.7	.5
331	Blast furnace and basic steel products	4.9	-	.8	-	2.0	-	.3	-	.8	-
3312	Blast furnaces and steel mills	5.0	-	.7	-	1.9	-	.3	-	.8	-
332	Iron and steel foundries	3.8	-	2.2	-	2.8	-	1.2	-	.8	-
3321	Gray iron foundries	4.0	-	2.5	-	2.5	-	1.3	-	.4	-
3322	Malleable iron foundries	4.5	-	1.4	-	3.0	-	.9	-	1.2	-
3323	Steel foundries	3.2	-	1.9	-	3.4	-	1.1	-	1.3	-
333,4	Nonferrous metals	3.0	-	1.6	-	1.5	-	.6	-	.3	-
335	Nonferrous rolling and drawing	2.7	-	1.6	-	1.6	-	.6	-	.3	-
3351	Copper rolling and drawing	3.1	-	2.8	-	1.5	-	.7	-	.1	-
3352	Aluminum rolling and drawing	2.9	-	1.2	-	1.4	-	.4	-	.5	-
3357	Nonferrous wire drawing, and insulating	2.2	-	1.4	-	1.6	-	.6	-	.2	-
336	Nonferrous foundries	5.6	-	3.0	-	4.4	-	1.7	-	1.9	-
3361	Aluminum castings	5.0	-	3.3	-	3.3	-	1.7	-	.8	-
3362,9	Other nonferrous castings	6.4	-	2.7	-	5.7	-	1.6	-	3.1	-
339	Miscellaneous primary metal products	3.4	-	1.5	-	1.9	-	.8	-	.4	-
3391	Iron and steel forgings	3.0	-	1.3	-	2.1	-	.7	-	.6	-
34	FABRICATED METAL PRODUCTS	4.4	-	2.9	-	3.6	-	1.6	-	1.2	-
341	Metal cans	5.5	-	1.2	-	4.4	-	.5	-	2.9	-
342	Cutlery, hand tools, and hardware	3.5	-	2.2	-	3.2	-	1.5	-	1.0	-
3421,3,5	Cutlery and hand tools, incl. saws	4.1	-	2.3	-	3.5	-	1.5	-	1.3	-
3429	Hardware, nec	3.2	-	2.1	-	3.0	-	1.4	-	.9	-
343	Plumbing and heating, except electric	4.8	-	3.8	-	3.8	-	1.8	-	.9	-
3431,2	Sanitary ware and plumbers' brass goods	4.3	-	3.3	-	3.7	-	1.9	-	.6	-
3433	Heating equipment, except electric	5.2	-	4.2	-	3.8	-	1.6	-	1.1	-
344	Fabricated structural metal products	4.5	-	2.9	-	4.1	-	1.7	-	1.6	-
3441	Fabricated structural steel	4.7	-	2.6	-	5.0	-	1.5	-	2.6	-
3443	Fabricated plate work (boiler shops)	2.2	-	1.6	-	2.6	-	1.0	-	1.0	-
3446,9	Architectural and misc. metal work	4.7	-	3.1	-	5.1	-	1.9	-	2.4	-
345	Screw machine products, bolts, etc.	3.5	-	2.8	-	3.0	-	1.7	-	.5	-
3452	Bolts, nuts, rivets, and washers	3.0	-	2.1	-	2.3	-	1.1	-	.5	-

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	
		Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P
	DURABLE GOODS — Continued										
	FABRICATED METAL PRODUCTS — Continued										
346	Metal stampings	4.0	-	2.5	-	2.9	-	1.1	-	1.1	-
348	Miscellaneous fabricated wire products	4.9	-	3.8	-	3.9	-	2.4	-	.5	-
349	Miscellaneous fabricated metal products	3.6	-	2.8	-	2.7	-	1.4	-	.6	-
349,8	Valves, pipe, and pipe fittings	3.0	-	2.5	-	2.5	-	1.2	-	.6	-
35	MACHINERY, EXCEPT ELECTRICAL	2.7	2.6	1.9	1.7	2.4	2.6	1.1	1.1	.6	0.8
351	Engines and turbines	1.9	-	.9	-	1.7	-	.4	-	.3	-
3511	Steam engines and turbines . . . . .	.9	-	.3	-	1.1	-	.2	-	.5	-
3519	Internal combustion engines, nec	2.4	-	1.2	-	2.0	-	.6	-	.2	-
352	Farm machinery	2.8	-	1.9	-	3.2	-	1.3	-	1.1	-
353	Construction and related machinery	2.4	-	1.6	-	2.1	-	1.0	-	.5	-
3531,2	Construction and mining machinery	2.2	-	1.2	-	1.8	-	.7	-	.5	-
3533	Oil field machinery	3.0	-	2.5	-	2.8	-	1.6	-	.4	-
3535,6	Conveyors, hoists, cranes, monorails	2.1	-	1.7	-	2.2	-	1.0	-	.7	-
354	Metal working machinery	3.0	-	2.2	-	2.4	-	1.1	-	.6	-
3541	Machine tools, metal cutting types	1.8	-	1.4	-	1.6	-	.8	-	.3	-
3545	Machine tool accessories	2.5	-	1.9	-	1.7	-	.9	-	.2	-
3542,8	Miscellaneous metal working machinery	3.2	-	1.7	-	2.6	-	1.1	-	.8	-
355	Special industry machinery	2.0	-	1.5	-	2.1	-	.9	-	.6	-
3551	Food products machinery	1.9	-	1.5	-	1.7	-	.9	-	.3	-
3552	Textile machinery	2.5	-	1.7	-	3.3	-	1.2	-	1.4	-
356	General industrial machinery	2.3	-	1.6	-	2.3	-	.9	-	.7	-
3561	Pumps and compressors	2.4	-	1.6	-	1.7	-	.8	-	.3	-
3562	Ball and roller bearings	2.2	-	1.0	-	1.9	-	.5	-	.5	-
3566	Power transmission equipment	2.0	-	1.4	-	2.2	-	.8	-	.7	-
357	Office and computing machines	2.8	-	2.2	-	2.3	-	1.1	-	.5	-
3573	Electronic computing equipment	2.8	-	2.4	-	2.3	-	1.1	-	.5	-
358	Service industry machines	3.3	-	2.3	-	2.7	-	1.2	-	.6	-
3585	Refrigeration machinery	3.7	-	2.5	-	2.7	-	1.2	-	.6	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.3	-	2.2	-	2.7	-	1.1	-	.6	-
361	Electric test and distributing equipment	3.2	-	2.4	-	2.4	-	1.2	-	.3	-
3611	Electric measuring instruments	2.6	-	2.0	-	1.6	-	1.0	-	.1	-
3612	Transformers	4.0	-	2.6	-	3.6	-	1.6	-	.5	-
3613	Switchgear and switchboard apparatus	3.3	-	2.7	-	2.4	-	1.2	-	.4	-
362	Electrical industrial apparatus	2.9	-	1.9	-	2.3	-	1.0	-	.4	-
3621	Motors and generators	3.0	-	2.0	-	2.4	-	1.0	-	.4	-
3622	Industrial controls	2.2	-	1.5	-	2.2	-	.9	-	.6	-
363	Household appliances	5.0	-	2.8	-	3.3	-	1.4	-	.8	-
3632	Household refrigerators and freezers	4.7	-	.8	-	4.4	-	1.1	-	1.9	-
3633	Household laundry equipment	4.1	-	3.3	-	1.4	-	.5	-	.1	-
3634	Electric housewares and fans	5.7	-	3.9	-	3.7	-	2.2	-	.7	-
364	Electric lighting and wiring equipment	3.7	-	2.8	-	3.0	-	1.4	-	.6	-
3641	Electric lamps	2.2	-	1.4	-	1.9	-	.7	-	.2	-
3642	Lighting fixtures	4.0	-	3.0	-	3.7	-	1.5	-	1.1	-
3643,4	Wiring devices	4.1	-	3.1	-	3.0	-	1.6	-	.5	-
365	Radio and TV receiving equipment	4.4	-	1.1	-	4.0	-	1.0	-	1.4	-
366	Communication equipment	2.2	-	1.5	-	1.6	-	.6	-	.3	-
3661	Telephone and telegraph apparatus	2.5	-	1.6	-	1.3	-	.5	-	.2	-
3662	Radio and TV communication equipment	2.1	-	1.5	-	1.7	-	.7	-	.4	-
367	Electronic components and accessories	3.8	-	2.8	-	3.5	-	1.7	-	.7	-
3671-3	Electron tubes	2.5	-	1.4	-	2.8	-	.6	-	.7	-
3674,9	Other electronic components	4.0	-	3.0	-	3.6	-	1.8	-	.7	-
369	Miscellaneous electrical equipment and supplies	2.8	-	1.7	-	2.1	-	.9	-	.5	-
3694	Engine electrical equipment	2.2	-	1.1	-	2.0	-	.6	-	.6	-
37	TRANSPORTATION EQUIPMENT	4.2	-	2.7	-	2.8	-	1.2	-	.7	-
371	Motor vehicles and equipment	3.3	-	2.0	-	2.2	-	.8	-	.5	-
3711	Motor vehicles	3.4	-	2.0	-	2.0	-	.8	-	.3	-
3712	Passenger car bodies	2.0	-	1.4	-	1.3	-	.6	-	.2	-
3713	Truck and bus bodies	4.9	-	4.1	-	3.9	-	2.4	-	.7	-
3714	Motor vehicle parts and accessories	3.0	-	1.6	-	2.2	-	.6	-	.8	-
372	Aircraft and parts	2.0	-	1.1	-	1.4	-	.5	-	.4	-
3721	Aircraft	2.0	-	.9	-	1.4	-	.5	-	.5	-
3722	Aircraft engines and engine parts	1.5	-	.8	-	.9	-	.4	-	.1	-
3723,9	Other aircraft parts and equipment	2.7	-	1.9	-	2.3	-	.9	-	.7	-
373	Ship and boat building and repairing	6.5	-	3.7	-	5.3	-	2.3	-	1.9	-
3731	Ship building and repairing	6.3	-	3.3	-	5.5	-	2.0	-	2.3	-
374	Railroad equipment	4.6	-	.7	-	2.9	-	.5	-	1.8	-
375,9	Other transportation equipment	13.2	-	10.2	-	6.7	-	4.3	-	.5	-

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	
		Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P
DURABLE GOODS -- Continued											
38	INSTRUMENTS AND RELATED PRODUCTS	2.6	2.4	2.0	1.8	2.5	2.4	1.1	1.2	0.6	0.4
381	Engineering and scientific instruments	1.8	-	1.6	-	1.5	-	.9	-	.1	-
382	Mechanical measuring and control devices	2.9	-	2.1	-	2.4	-	1.0	-	.5	-
3821	Mechanical measuring devices	2.4	-	1.9	-	2.0	-	1.0	-	.3	-
3822	Automatic temperature controls	3.9	-	2.4	-	3.1	-	1.2	-	.8	-
383,5	Optical and ophthalmic goods	3.3	-	2.9	-	3.4	-	1.6	-	1.2	-
384	Medical instruments and supplies	3.3	-	2.6	-	3.1	-	1.5	-	.9	-
386	Photographic equipment and supplies	1.6	-	1.1	-	1.4	-	.4	-	.2	-
387	Watches, clocks, and watchcases	3.4	-	2.1	-	5.0	-	2.7	-	1.3	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	4.9	4.5	3.1	3.2	4.2	4.1	2.0	2.1	1.4	1.1
391	Jewelry, silverware, and plated ware	3.7	-	2.6	-	3.6	-	2.0	-	.9	-
394	Toys and sporting goods	6.6	-	3.6	-	4.8	-	2.3	-	1.4	-
3941-3	Games, toys, dolls and play vehicles	7.2	-	3.1	-	5.2	-	2.2	-	1.9	-
3949	Sporting and athletic goods, nec	5.9	-	4.1	-	4.4	-	2.3	-	.9	-
395	Pens, pencils, office and art supplies	3.4	-	2.8	-	2.6	-	1.3	-	.5	-
396	Costume jewelry and notions	5.6	-	3.8	-	6.6	-	2.7	-	3.0	-
393,9	Other manufacturing industries	4.2	-	2.8	-	3.6	-	1.7	-	1.1	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	5.0	5.2	3.1	3.6	5.1	5.0	2.1	2.3	2.2	1.9
201	Meat products	6.3	-	4.1	-	6.1	-	3.4	-	1.9	-
2011	Meat packing plants	4.3	-	2.2	-	4.2	-	1.4	-	2.1	-
2015	Poultry dressing plants	10.7	-	8.0	-	10.0	-	7.3	-	1.5	-
204	Grain mill products	2.6	-	1.8	-	3.5	-	1.5	-	1.3	-
2041	Flour and other grain mill products	2.2	-	1.4	-	3.2	-	1.1	-	1.5	-
2042	Prepared feeds for animals and fowls	2.8	-	2.3	-	3.8	-	2.2	-	.8	-
205	Bakery products	2.8	-	2.1	-	2.3	-	1.3	-	.5	-
2051	Bread, cake, and related products	2.7	-	2.3	-	2.2	-	1.4	-	.3	-
2052	Cookies and crackers	3.7	-	1.4	-	2.6	-	.9	-	1.1	-
207	Confectionery and related products	5.2	-	1.6	-	7.9	-	1.6	-	5.6	-
2071	Confectionery products	6.1	-	1.7	-	9.0	-	1.9	-	6.2	-
208	Beverages	4.5	-	3.2	-	3.7	-	1.7	-	1.2	-
2082	Malt liquors	4.2	-	1.8	-	2.7	-	.3	-	1.7	-
21	TOBACCO MANUFACTURES	1.9	-	.6	-	4.8	-	.3	-	3.8	-
211	Cigarettes	.6	-	.4	-	.7	-	1.1	-	(1)	-
212	Cigars	2.0	-	1.5	-	2.4	-	1.0	-	.9	-
22	TEXTILE MILL PRODUCTS	4.7	5.1	3.7	4.0	4.3	4.8	2.7	3.2	.6	.6
221	Weaving mills, cotton	3.6	-	2.8	-	3.9	-	2.6	-	.2	-
222	Weaving mills, synthetics	3.8	-	3.0	-	4.5	-	2.9	-	.6	-
223	Weaving and finishing mills, wool	4.7	-	3.6	-	4.1	-	2.4	-	.7	-
224	Narrow fabric mills	4.5	-	3.5	-	3.7	-	2.1	-	.7	-
225	Knitting mills	5.7	-	4.3	-	4.7	-	2.7	-	1.0	-
2251	Women's hosiery, except socks	3.6	-	3.0	-	5.9	-	3.2	-	2.0	-
2252	Hosiery, nec	5.1	-	4.6	-	3.9	-	3.2	-	.2	-
2254	Knit underwear mills	5.2	-	4.3	-	3.6	-	2.5	-	.4	-
226	Textile finishing, except wool	4.6	-	3.2	-	3.0	-	1.8	-	.5	-
227	Floor covering mills	4.6	-	4.0	-	4.3	-	2.7	-	.4	-
228	Yarn and thread mills	5.8	-	4.7	-	5.0	-	3.9	-	.2	-
229	Miscellaneous textile goods	3.9	-	2.5	-	3.7	-	1.6	-	1.0	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.8	5.4	3.7	3.6	5.5	6.0	2.9	3.0	1.9	2.2
231	Men's and boys' suits and coats	3.9	-	2.6	-	6.7	-	1.9	-	4.2	-
232	Men's and boys' furnishings	6.0	-	4.1	-	5.7	-	3.6	-	1.3	-
2321	Men's and boys' shirts and nightwear	5.1	-	3.5	-	5.1	-	3.3	-	1.0	-
2327	Men's and boys' separate trousers	5.2	-	3.5	-	4.5	-	3.4	-	.5	-
2328	Men's and boys' work clothing	6.2	-	5.3	-	6.7	-	4.9	-	1.0	-
234	Women's and children's undergarments	5.1	-	3.7	-	5.1	-	3.1	-	1.2	-
2341	Women's and children's underwear	5.4	-	4.0	-	5.5	-	3.6	-	1.3	-
2342	Corsets and allied garments	4.1	-	2.6	-	3.7	-	1.8	-	1.0	-
26	PAPER AND ALLIED PRODUCTS	2.7	2.7	1.8	1.9	2.4	2.1	1.1	1.0	.6	.4
261,2,6	Paper and pulp mills	1.7	-	1.0	-	1.6	-	.6	-	.6	-
263	Paperboard mills	1.7	-	1.3	-	1.7	-	.7	-	.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	
		Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P
	NONDURABLE GOODS—Continued										
	PAPER AND ALLIED PRODUCTS—Continued										
264	Miscellaneous converted paper products	3.1	-	2.3	-	2.8	-	1.4	-	0.6	-
2643	Bags, except textile bags	4.0	-	3.2	-	3.5	-	1.8	-	.9	-
265	Paperboard containers and boxes	3.6	-	2.2	-	3.0	-	1.4	-	.7	-
2651,2	Folding and setup paperboard boxes	4.3	-	2.7	-	3.2	-	1.6	-	.8	-
2653	Corrugated and solid fiber boxes	2.7	-	1.7	-	2.6	-	1.2	-	.7	-
27	PRINTING AND PUBLISHING	2.9	2.9	2.2	2.3	2.8	2.8	1.4	1.5	.7	0.6
28	CHEMICALS AND ALLIED PRODUCTS	1.8	1.8	1.3	1.4	1.5	1.6	.6	.7	.3	.3
281	Industrial chemicals	1.4	-	1.0	-	1.0	-	.4	-	.1	-
282	Plastics materials and synthetics	1.4	-	.9	-	1.2	-	.4	-	.4	-
2821	Plastics materials and resins	1.4	-	1.0	-	1.3	-	.5	-	.3	-
2823,4	Synthetic fibers	1.4	-	.8	-	1.1	-	.4	-	.4	-
283	Drugs	1.6	-	1.4	-	1.4	-	.7	-	.3	-
2834	Pharmaceutical preparations	1.8	-	1.5	-	1.5	-	.7	-	.3	-
284	Soap, cleaners, and toilet goods	1.9	-	1.2	-	2.2	-	.7	-	.8	-
2841	Soap and other detergents	1.3	-	.9	-	1.5	-	.4	-	.4	-
2844	Toilet preparations	2.4	-	1.6	-	3.2	-	.8	-	1.4	-
285	Paints and allied products	2.3	-	1.7	-	2.1	-	.8	-	.6	-
286,9	Other chemical products	2.3	-	1.7	-	2.3	-	.9	-	.6	-
29	PETROLEUM AND COAL PRODUCTS	2.2	2.4	1.6	1.6	1.5	1.4	.6	.7	.3	.2
291	Petroleum refining	1.4	-	1.1	-	.9	-	.3	-	.1	-
295,9	Other petroleum and coal products	5.0	-	3.2	-	3.2	-	1.5	-	.8	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	4.9	4.7	3.6	3.5	4.6	4.3	2.3	2.4	1.2	.8
301	Tires and inner tubes	1.8	-	1.1	-	1.4	-	.5	-	.2	-
302,3,6	Other rubber products	4.0	-	2.5	-	4.3	-	1.9	-	1.2	-
307	Miscellaneous plastics products	6.5	-	5.0	-	5.7	-	3.1	-	1.5	-
31	LEATHER AND LEATHER PRODUCTS	6.4	6.2	4.6	4.8	5.6	6.3	3.4	3.7	1.2	1.7
311	Leather tanning and finishing	5.1	-	3.9	-	4.1	-	2.1	-	.9	-
314	Footwear, except rubber	6.9	-	5.0	-	6.1	-	4.1	-	1.1	-
	NONMANUFACTURING										
10	METAL MINING	2.3	3.0	1.7	1.7	2.7	1.9	1.3	1.2	.7	.1
101	Iron ores	1.8	-	.8	-	3.3	-	.3	-	2.0	-
102	Copper ores	1.8	-	1.1	-	1.8	-	1.0	-	.1	-
11,12	COAL MINING	1.5	3.0	1.2	1.2	1.5	1.3	.7	.7	.4	.3
12	Bituminous coal and lignite mining	1.5	-	1.2	-	1.4	-	.7	-	.4	-
	COMMUNICATION:										
481	Telephone communication	.7	-	-	-	.7	-	.3	-	.1	-
482	Telegraph communication ²	.7	-	-	-	.6	-	.2	-	.3	-

¹ Less than 0.05.

p = preliminary.

² Data relate to all employees except messengers.

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	4.3	4.1 ^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	2.8	2.7	2.7	2.5	2.5	2.4	2.3	2.4	2.5
1977.....	2.7	2.9	3.0	3.0 ^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	3.8	3.8	3.9	3.9	4.0	4.1	4.0	3.6	3.6
1977.....	3.9	4.1	3.7	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	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	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	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	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	
	Feb. 1977	Mar. p 1977	Feb. 1977	Mar. p 1977	Feb. 1977	Mar. p 1977	Feb. 1977	Mar. p 1977	Feb. 1977	Mar. p 1977
ALABAMA:										
Birmingham ¹	4.6	4.8	1.7	1.8	7.7	3.6	0.9	1.2	5.7	1.6
Mobile ^{1 2}	8.9	6.4	2.0	2.2	7.1	6.2	1.3	1.4	5.2	4.1
ALASKA ¹	12.6	12.2	6.7	9.6	10.5	13.0	5.2	6.8	4.7	5.0
ARIZONA ¹	3.2	3.9	2.4	3.1	3.2	3.6	1.6	1.8	.7	.9
Phoenix ¹	3.3	3.9	2.6	3.3	3.0	3.6	1.6	1.8	.5	.8
ARKANSAS ¹	5.4	6.8	4.1	5.2	4.5	5.4	2.9	3.8	.7	.6
Fort Smith ¹	5.9	7.4	5.0	6.1	5.8	6.3	4.0	4.1	.6	.4
Little Rock-North Little Rock ¹	4.5	5.5	3.4	4.9	3.0	5.0	1.9	3.6	.3	.2
Pine Bluff	5.3	5.0	4.3	3.7	3.4	4.3	1.9	3.0	1.0	.6
COLORADO	3.3	4.4	2.4	3.4	3.8	3.9	1.4	1.8	1.7	1.4
Denver-Boulder	3.0	4.6	2.6	3.9	2.4	2.7	1.3	1.8	.4	.2
CONNECTICUT ¹	2.2	2.3	1.3	1.5	2.4	2.3	1.0	.9	.7	.8
Hartford	1.9	1.9	1.0	1.2	2.2	1.8	1.4	.7	.3	.6
DELAWARE ^{1 2}	12.8	2.9	.8	1.1	11.3	2.4	.6	.7	10.2	1.2
Wilmington ^{1 2}	12.7	3.2	.6	.9	11.5	1.8	.5	.5	10.5	.7
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
FLORIDA ¹	4.2	4.6	3.5	3.7	3.8	4.8	2.0	2.3	.9	1.7
Fort Lauderdale-Hollywood ¹	5.2	5.8	4.6	5.5	4.2	4.2	2.7	2.9	.4	.3
Jacksonville ¹	3.8	5.7	2.9	4.8	4.4	3.7	1.5	1.7	1.6	.9
Miami	4.2	4.6	3.8	3.7	3.8	4.0	2.2	2.4	.8	.6
Orlando	4.1	5.1	3.5	3.5	3.6	4.6	1.6	1.9	1.1	1.9
Pensacola	1.3	1.9	1.2	1.8	3.6	3.7	.7	1.3	2.4	1.9
Tampa-St. Petersburg ¹	4.4	5.3	3.4	4.3	4.2	5.9	2.4	3.3	1.1	1.7
West Palm Beach-Boca Raton	3.2	2.8	3.1	2.7	2.2	6.4	1.4	1.5	.2	4.1
GEORGIA	3.4	4.5	2.5	3.4	3.3	3.7	1.8	2.5	.8	.4
Atlanta ³	2.5	4.1	1.9	2.5	3.3	2.9	1.1	1.5	1.4	.7
HAWAII ⁴	1.7	1.7	1.3	1.3	1.9	2.7	.8	.6	.4	.4
IDAHO ^{1 5}	3.7	6.9	3.0	6.3	5.3	8.2	1.8	3.2	2.6	3.8
ILLINOIS:										
Chicago SMSA ¹	2.8	3.1	2.0	2.3	2.8	3.1	1.2	1.4	.6	.7
INDIANA	3.6	3.6	1.6	2.1	2.7	2.7	.8	1.2	1.2	.7
Indianapolis ⁶	2.5	2.6	1.3	1.8	1.5	2.0	.6	.8	.4	.5
IOWA	2.6	3.4	1.7	2.2	2.4	2.9	1.1	1.4	.7	1.0
Cedar Rapids	1.9	2.5	.8	1.1	1.9	2.4	.6	.7	1.0	1.3
Des Moines	2.9	2.6	1.5	1.4	2.5	2.7	1.2	1.3	.5	.7
KANSAS ¹	3.8	4.2	3.1	3.6	3.2	3.9	2.0	2.6	.5	.5
Topeka ¹	3.7	3.4	2.8	2.9	1.6	2.4	.9	1.7	.1	.1
Wichita ¹	3.0	3.6	2.6	3.1	3.0	3.6	1.8	2.4	.5	.3
KENTUCKY ¹	3.9	3.9	1.9	2.1	3.2	3.1	.9	1.3	1.5	.9
Louisville ¹	2.5	1.9	.9	.8	2.1	1.1	.4	.4	.9	.2
LOUISIANA:										
New Orleans ¹	3.0	3.6	2.2	2.9	3.0	3.6	1.4	1.8	.8	.9
MAINE ¹	5.1	5.8	3.6	4.3	4.6	5.4	2.3	2.8	1.5	1.7
Portland ¹	2.5	3.2	1.8	2.7	3.0	2.7	1.4	1.6	.8	.5
MARYLAND ¹	3.3	4.0	1.3	1.8	2.8	2.6	.7	.9	1.5	1.1
Baltimore ¹	3.4	4.3	1.3	1.7	2.8	2.3	.6	.8	1.5	.8
MASSACHUSETTS ¹	3.1	3.3	1.9	2.3	2.8	2.9	1.0	1.2	1.0	1.0
Boston ¹	2.7	2.9	1.7	2.0	2.7	2.3	.9	1.0	1.0	.6
MICHIGAN	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Flint	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Lansing-East Lansing	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

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	
	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
MINNESOTA ¹	2.9	3.3	1.9	2.2	2.5	2.9	1.2	1.4	0.8	0.9
Minneapolis—St. Paul ¹	2.7	2.9	1.8	2.1	1.9	2.4	1.0	1.3	.4	.5
MISSISSIPPI:										
Jackson ¹	2.8	4.7	1.3	3.4	2.2	3.0	1.3	2.1	.2	.1
MISSOURI	3.1	3.4	1.9	2.3	2.8	3.1	1.2	1.5	1.0	.8
Kansas City	2.9	3.5	2.1	2.7	2.4	2.7	1.3	1.6	.4	.4
St. Louis	2.5	2.6	1.3	1.6	2.4	2.5	.6	.9	1.2	.9
MONTANA	2.5	3.2	1.8	2.6	3.1	3.9	1.6	1.3	.7	2.0
NEBRASKA	3.9	4.2	3.2	3.4	3.8	4.0	2.3	2.6	.9	.7
NEVADA	6.0	8.1	4.4	6.2	5.1	5.3	2.5	3.1	.7	.9
NEW HAMPSHIRE ¹	3.2	3.9	2.5	3.0	3.0	3.8	1.7	2.0	.7	1.0
NEW JERSEY:										
Camden ^{1 7}	4.2	3.1	1.4	1.9	3.5	2.8	.6	.7	2.2	1.4
Hackensack ¹	4.1	4.4	2.7	3.3	3.3	3.4	1.2	1.6	1.3	.6
Jersey City ¹	3.7	3.5	1.7	1.9	2.9	2.7	.8	.7	1.3	1.1
Newark ¹	4.2	3.3	1.8	2.1	2.6	2.7	.8	1.0	1.0	.8
New Brunswick—Perth Amboy—Sayreville ¹	4.7	4.1	2.9	2.9	3.2	3.8	1.1	1.2	.8	1.5
Paterson—Clifton—Passaic ¹	3.7	4.2	2.2	2.6	2.9	3.2	1.0	1.1	1.1	1.3
Trenton ¹	2.7	2.5	1.4	1.7	2.1	2.3	.5	.9	.9	.7
NEW YORK	4.3	3.8	1.8	2.2	3.3	3.1	.8	1.0	1.7	1.3
Albany—Schenectady—Troy	2.7	2.6	.9	1.3	3.0	2.1	.4	.6	1.8	.8
Binghamton	2.3	2.5	1.4	2.0	1.6	2.3	.7	1.1	.4	.5
Buffalo	5.1	3.0	1.0	1.5	2.3	1.8	.4	.6	1.2	.5
Elmira	2.2	2.3	1.2	1.2	2.3	2.3	.5	.6	.8	.4
Monroe County ⁸	1.9	2.0	1.2	1.5	2.0	1.5	.5	.6	.6	.3
Nassau—Suffolk ⁹	4.0	4.9	2.6	3.3	3.9	3.3	1.5	1.7	1.5	.8
New York and Nassau—Suffolk	4.8	4.8	2.5	2.8	3.5	4.2	1.1	1.1	1.7	2.1
New York SMSA ⁹	5.0	4.7	2.4	2.6	3.4	4.4	1.0	1.0	1.7	2.4
New York City ¹⁰	5.4	5.0	2.5	2.8	3.6	4.7	1.0	1.0	1.9	2.6
Rochester	2.2	2.5	1.3	1.6	2.5	2.0	.5	.7	1.1	.6
Syracuse	3.6	2.4	1.3	1.4	3.7	2.1	.8	.8	2.1	.7
Utica—Rome	3.5	3.4	1.1	1.8	3.4	3.0	.7	.9	2.2	1.5
Westchester County ¹⁰	2.6	2.5	1.8	1.7	2.3	2.4	.9	.9	.8	.7
NORTH CAROLINA	3.3	4.2	2.7	3.4	3.5	4.1	2.0	2.8	.8	.5
Charlotte—Gastonia	4.3	5.2	3.8	4.4	3.7	4.6	2.5	3.6	.3	.3
Greensboro—Winston-Salem—High Point	3.2	3.6	2.7	3.1	3.1	3.4	2.0	2.4	.4	.2
NORTH DAKOTA	2.9	3.8	1.8	2.0	3.4	6.2	1.6	2.3	1.3	3.3
Fargo—Moorhead	5.5	4.9	3.1	2.6	3.9	8.9	1.9	2.6	1.2	5.4
OHIO ¹	3.1	3.9	1.1	1.7	2.7	2.2	.6	.8	1.4	.6
Akron ¹	1.8	2.0	.6	.7	1.6	1.3	.4	.6	.7	.4
Canton ¹	2.9	3.7	.7	1.4	2.8	3.0	.5	.6	1.5	1.5
Cincinnati ¹	3.2	2.5	1.3	1.5	2.4	2.3	.7	.9	1.0	.7
Cleveland ¹	2.7	3.2	1.4	2.0	2.4	2.3	.8	.9	.8	.5
Columbus ¹	4.1	3.9	1.3	1.8	3.5	2.2	.7	1.1	2.2	.5
Dayton ¹	2.5	2.5	1.5	1.8	1.7	1.8	.6	.8	.4	.3
Toledo ¹	2.1	3.0	.9	1.1	2.4	2.2	.5	.6	1.3	1.0
Youngstown—Warren ¹	4.5	7.1	.3	.6	2.8	2.0	.2	.3	1.7	.7
OKLAHOMA ¹	4.5	5.7	3.9	4.8	4.5	5.5	3.0	3.4	.6	.9
Oklahoma City ¹	4.4	5.5	3.9	4.6	4.0	4.9	2.8	3.2	.5	.6
Tulsa ^{1 11}	4.3	5.0	3.5	4.6	3.9	4.8	2.7	3.1	.2	.8
OREGON ^{1 2}	4.0	4.5	2.9	3.3	4.4	4.2	1.8	2.0	1.9	1.3
Portland ^{1 2}	3.9	4.5	2.8	3.1	4.2	4.1	1.6	1.8	1.9	1.3
PENNSYLVANIA ¹	4.5	4.0	1.1	1.5	4.5	2.9	.7	.8	3.1	1.5
Allentown—Bethlehem—Easton ¹	3.1	3.6	1.4	1.3	3.4	3.1	.7	.7	2.1	1.7
Alltoona ¹	5.0	4.5	2.2	2.0	4.6	4.3	1.1	1.2	3.2	2.6
Erie ¹	4.9	3.0	1.0	1.5	3.2	2.3	.6	.7	1.9	.9
Harrisburg ¹	4.2	3.4	1.2	1.2	4.9	3.5	.9	1.3	3.2	1.9
Johnstown ¹	4.8	3.7	.6	1.1	2.5	2.3	.6	.6	1.5	1.2
Lancaster ¹	4.9	2.5	2.0	1.7	4.0	2.3	.9	1.1	2.7	.6

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	
	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
PENNSYLVANIA—Continued										
Northeast Pennsylvania ¹	5.0	4.1	1.5	1.7	4.0	4.4	0.9	0.9	2.6	2.9
Philadelphia SMSA ¹	4.3	3.1	1.3	1.5	4.7	2.5	.8	.7	3.2	1.1
Pittsburgh ¹	5.2	5.4	.6	.8	4.8	2.6	.3	.4	3.7	1.4
Reading ¹	4.4	4.5	1.4	2.4	5.6	4.8	.9	1.2	4.0	2.8
Scranton ^{1, 12}	3.7	4.6	2.2	1.6	3.0	2.5	1.2	1.1	1.4	1.0
Wilkes-Barre—Hazleton ^{1, 12}	5.6	3.8	1.3	1.6	4.9	5.6	.8	.8	3.5	4.1
Williamsport ¹	2.3	2.4	1.2	1.2	2.4	2.1	.6	.8	1.3	.7
York ¹	3.1	3.2	1.6	1.9	3.4	3.1	1.2	1.3	1.4	1.3
RHODE ISLAND¹										
Providence—Warwick—Pawtucket ¹	4.8	4.6	3.2	3.4	4.4	5.5	2.2	2.4	1.3	2.2
	4.7	4.8	3.3	3.5	4.3	5.4	2.2	2.5	1.2	2.1
SOUTH CAROLINA:										
Greenville—Spartanburg ¹	3.0	4.2	2.6	3.7	3.3	4.5	2.0	3.0	.5	.4
SOUTH DAKOTA										
Sioux Falls	2.4	3.8	1.7	2.6	3.7	3.6	1.7	2.3	1.2	.8
	1.1	3.5	1.1	1.9	3.7	3.8	1.2	1.8	1.8	1.3
TENNESSEE:										
Memphis	3.5	3.6	2.5	2.7	2.5	2.9	1.2	1.4	.5	.5
TEXAS:										
Dallas—Fort Worth ¹	4.0	5.0	3.6	4.5	3.9	4.5	2.5	3.0	.6	.6
Houston ¹	3.2	3.9	2.9	3.4	3.4	3.7	2.2	2.5	.3	.2
San Antonio ¹	3.6	4.5	2.9	3.9	3.0	3.9	1.8	2.4	.5	.8
UTAH^{1, 5}										
Salt Lake City—Ogden ^{1, 5}	4.0	5.8	3.4	4.6	4.0	5.1	2.1	2.9	.9	1.3
	3.7	6.5	3.3	5.8	3.7	5.8	2.1	3.6	.5	1.1
VERMONT										
Burlington	3.9	4.2	1.9	2.0	2.9	3.2	1.0	1.2	1.3	1.6
Springfield	2.6	2.2	1.3	1.2	1.0	1.8	.2	.7	.6	.7
	2.6	7.4	1.3	1.2	1.9	7.1	.6	.7	.7	6.0
VIRGINIA¹										
Richmond ¹	3.4	3.1	2.1	2.4	2.6	3.4	1.2	1.7	.8	.9
	1.9	1.5	1.0	1.2	1.5	2.9	.6	.8	.5	1.4
WASHINGTON:										
Seattle—Everett ¹³	3.1	3.7	1.8	2.0	2.9	2.8	1.0	1.0	1.3	1.1
WISCONSIN										
Milwaukee	2.6	2.9	1.3	1.6	2.6	2.7	.7	.9	1.1	.9
	2.5	2.7	1.2	1.4	2.4	2.5	.6	.7	.8	.8
WYOMING¹										
	4.5	4.9	4.2	4.5	6.4	12.1	3.3	3.9	2.3	7.0

¹ Based on the 1972 Standard Industrial Classification.

² Excludes canning and preserving.

³ Excludes agricultural chemicals, and miscellaneous manufacturing.

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

⁵ Excludes canning and preserving, and sugar.

⁶ Excludes canning and preserving, and newspapers.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

⁹ Area included in New York and Nassau—Suffolk combined SMSA's.

¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Excludes new-hire rate for transportation equipment.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹³ 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		
	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P
ALABAMA	1,469.9	1,486.0	1,498.6	98.3	96.0	87.1	6.7	6.5	5.8
Birmingham	350.5	357.3	357.1	24.5	21.9	17.4	7.0	6.1	4.9
Huntsville	121.3	121.5	122.9	8.3	7.8	7.7	6.9	6.4	6.3
Mobile	159.7	167.0	168.8	9.1	11.0	10.8	5.7	6.6	6.4
Montgomery	102.8	103.1	103.6	5.1	5.1	4.6	5.0	4.9	4.4
Tuscaloosa	51.9	51.2	51.8	2.9	2.9	2.9	5.6	5.7	5.6
ALASKA	156.9	153.8	159.8	12.9	21.7	24.6	8.2	14.1	15.4
ARIZONA	950.4	957.2	954.8	98.0	75.0	69.3	10.3	7.8	7.3
Phoenix	555.4	559.1	557.6	59.3	41.8	39.0	10.7	7.5	7.0
Tucson	181.6	182.3	182.2	15.3	12.7	11.6	8.4	6.9	6.4
ARKANSAS	864.0	877.1	886.1	60.7	56.7	51.4	7.0	6.5	5.8
Fayetteville—Springdale	63.7	66.1	66.4	3.3	3.4	2.9	5.2	5.1	4.3
Fort Smith	73.9	77.3	78.4	4.8	4.9	4.5	6.5	6.3	5.7
Little Rock—North Little Rock	165.0	167.7	168.8	9.0	7.2	6.5	5.4	4.3	3.9
Pine Bluff	33.2	32.9	33.1	2.5	2.1	1.9	7.4	6.4	5.9
CALIFORNIA	9,611.3	9,775.2	9,812.7	906.9	836.0	774.5	9.4	8.6	7.9
Anaheim—Santa Ana—Garden Grove	817.3	845.3	853.4	48.8	40.2	36.8	6.0	4.8	4.3
Bakersfield	149.1	146.4	150.5	13.9	13.9	13.1	9.3	9.5	8.7
Fresno	213.5	222.2	223.9	19.1	21.7	19.2	8.9	9.8	8.6
Los Angeles—Long Beach	3,264.5	3,310.1	3,311.2	296.7	254.0	244.3	9.1	7.7	7.4
Modesto	112.5	119.5	119.9	17.6	19.2	16.4	15.6	16.1	13.7
Oxnard—Simi Valley—Ventura	178.9	180.6	184.0	14.3	13.3	11.5	8.0	7.4	6.3
Riverside—San Bernardino—Ontario	482.9	489.3	485.5	46.9	43.7	39.5	9.7	8.9	8.1
Sacramento	383.4	403.1	407.7	33.4	35.8	31.6	8.7	8.9	7.8
Salinas—Seaside—Monterey	109.6	110.0	113.5	9.3	10.1	8.4	8.5	9.2	7.4
San Diego	650.1	656.7	657.7	77.7	69.2	67.5	12.0	10.5	10.3
San Francisco—Oakland	1,512.2	1,510.3	1,506.5	158.9	139.3	130.5	10.5	9.2	8.7
San Jose	561.7	569.0	570.1	45.3	40.1	36.7	8.1	7.0	6.4
Santa Barbara—Santa Maria—Lompoc	123.4	129.1	129.8	8.6	8.6	7.4	7.0	6.7	5.7
Santa Rosa	100.2	103.6	104.3	11.3	10.4	9.5	11.3	10.0	9.1
Stockton	138.1	140.8	144.7	14.7	17.3	15.4	10.6	12.3	10.6
Vallejo—Fairfield—Napa	103.9	108.0	111.1	7.0	8.3	8.6	6.7	7.7	7.7
COLORADO	1,196.5	1,219.8	1,225.4	67.4	81.0	75.8	5.6	6.6	6.2
Denver—Boulder	711.5	727.3	727.7	40.7	46.9	44.6	5.7	6.5	6.1
CONNECTICUT	1,476.2	1,456.3	1,459.8	141.8	127.3	114.7	9.6	8.7	7.9
Bridgeport	185.4	180.2	180.4	20.8	15.9	14.7	11.2	8.8	8.1
Hartford	348.6	345.3	347.5	29.6	27.9	25.6	8.5	8.1	7.4
New Britain	70.9	69.2	69.7	8.0	6.9	6.4	11.3	10.0	9.1
New Haven—West Haven	198.6	194.4	193.4	20.1	20.3	18.0	10.1	10.4	9.3
Stamford	106.5	106.6	106.8	7.6	6.6	6.2	7.1	6.2	5.8
Waterbury	107.1	105.2	104.9	11.9	10.4	9.2	11.1	9.9	8.8
DELAWARE	258.1	262.2	261.2	21.4	23.8	21.4	8.3	9.1	8.2
Wilmington ¹	230.3	229.8	229.1	19.0	20.1	18.1	8.3	8.7	7.9
DISTRICT OF COLUMBIA	328.5	331.6	332.3	29.3	28.1	26.9	8.9	8.5	8.1
Washington SMSA ¹	1,437.6	1,453.5	1,459.3	73.0	70.2	67.4	5.1	4.8	4.6
FLORIDA	3,528.6	3,578.3	3,552.1	320.1	275.6	253.2	9.1	7.7	7.1
Fort Lauderdale—Hollywood	347.9	360.1	354.4	42.6	33.5	29.8	12.2	9.3	8.4
Jacksonville	297.3	300.6	300.5	17.8	17.9	17.1	6.0	6.0	5.7
Miami	676.0	666.8	664.6	64.7	53.6	49.6	9.6	8.0	7.5
Orlando	272.1	278.4	279.3	24.8	20.6	19.6	9.1	7.4	7.0
Pensacola	105.1	110.7	110.8	5.5	5.3	5.0	5.2	4.8	4.5
Tampa—St. Petersburg	543.4	554.9	553.7	51.3	42.9	41.1	9.4	7.7	7.4
West Palm Beach—Boca Raton	193.1	206.1	198.2	20.4	18.9	16.1	10.6	9.2	8.1
GEORGIA	2,185.7	2,183.7	2,184.0	175.6	146.8	137.4	8.0	6.7	6.3
Atlanta	882.3	889.3	886.9	68.1	55.9	52.4	7.7	6.3	5.9
Augusta ¹	113.4	110.4	110.6	9.1	8.1	7.5	8.0	7.3	6.8
Columbus ¹	84.1	76.3	77.2	6.9	5.2	5.3	8.2	6.9	6.9
Macon	99.1	93.7	93.9	9.4	8.3	8.0	9.4	8.8	8.6
Savannah	80.1	78.4	79.0	6.9	6.1	5.8	8.7	7.7	7.3

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		
	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P
HAWAII									
Honolulu	399.4	395.5	395.3	38.4	31.9	29.3	9.6	8.1	7.4
	320.5	317.8	317.0	29.9	24.9	22.5	9.3	7.8	7.1
IDaho									
Boise City	353.8	368.6	372.2	21.6	25.4	21.5	6.1	6.9	5.8
	71.1	75.0	74.6	2.6	3.1	2.6	3.6	4.1	3.5
ILLINOIS									
Bloomington—Normal	5,026.5	5,111.1	5,123.6	321.5	306.9	260.1	6.4	6.0	5.1
	58.1	58.0	58.6	2.2	2.4	1.8	3.7	4.1	3.1
Champaign—Urbana—Rantoul	77.7	74.5	75.4	3.0	3.3	2.5	3.9	4.4	3.3
Chicago	3,169.5	3,205.8	3,200.3	209.4	174.8	153.0	6.6	5.5	4.8
Davenport—Rock Island—Moline ¹	173.4	173.4	174.3	8.3	8.2	6.7	4.8	4.7	3.9
Decatur	58.6	59.0	58.7	4.0	4.5	3.6	6.9	7.7	6.1
Peoria	168.6	166.3	166.6	7.1	9.0	7.4	4.2	5.4	4.5
Rockford	132.6	129.3	129.4	10.8	8.1	7.0	8.2	6.3	5.4
Springfield	89.4	88.7	88.8	4.2	6.0	4.7	4.7	6.8	5.3
INDIANA									
Evansville ¹	2,414.3	2,423.9	2,430.9	155.4	138.4	119.1	6.4	5.7	4.9
	131.2	130.7	130.7	5.9	5.8	4.9	4.5	4.5	3.7
Fort Wayne	177.4	175.7	176.2	11.5	8.4	6.5	6.5	4.8	3.7
Gary—Hammond—East Chicago	274.2	273.5	275.3	18.1	16.0	13.8	6.6	5.8	5.0
Indianapolis	553.9	552.2	556.2	39.4	34.9	31.7	7.1	6.3	5.7
Muncie	55.7	55.4	56.6	3.8	2.9	2.5	6.8	5.2	4.3
South Bend	132.9	132.3	132.6	6.8	6.4	5.4	5.1	4.8	4.1
Terre Haute	75.9	75.4	74.9	4.5	4.6	3.7	6.0	6.1	4.9
IOWA									
Cedar Rapids	1,329.3	1,310.8	1,337.7	52.8	54.2	40.0	4.0	4.1	3.0
	78.2	77.5	77.9	3.1	3.2	2.4	4.0	4.1	3.0
Des Moines	161.4	161.5	162.2	6.9	6.4	5.0	4.3	4.0	3.1
Dubuque	40.7	40.9	41.7	2.1	2.1	1.7	5.2	5.2	4.2
Sioux City ¹	56.7	57.0	56.9	2.2	2.9	1.9	3.8	5.1	3.4
Waterloo—Cedar Falls	61.5	60.9	61.0	3.7	2.8	2.3	6.0	4.6	3.7
KANSAS									
Topeka	1,076.7	1,098.2	1,103.8	42.0	43.2	38.3	3.9	3.9	3.5
	84.6	85.5	85.3	3.6	3.4	3.0	4.3	4.0	3.5
Wichita	187.7	192.5	192.8	9.4	10.1	8.8	5.0	5.2	4.6
KENTUCKY									
Lexington—Fayette	1,423.1	1,447.3	1,454.4	76.3	81.2	63.8	5.4	5.6	4.4
	146.2	154.1	154.3	4.5	4.8	3.8	3.1	3.1	2.5
Louisville ¹	389.8	385.2	387.6	24.8	21.3	17.6	6.4	5.5	4.5
LOUISIANA									
Baton Rouge	1,472.9	1,502.6	1,504.7	101.0	111.2	104.9	6.9	7.4	7.0
	187.0	190.9	190.5	9.8	12.0	12.0	5.2	6.3	6.3
Lake Charles	59.3	59.6	58.3	4.6	5.7	4.5	7.8	9.5	7.7
Monroe	48.2	48.2	48.1	3.4	4.2	4.0	7.2	8.7	8.4
New Orleans	437.0	444.1	441.1	32.7	35.3	33.5	7.5	8.0	7.6
Shreveport	139.3	140.5	140.9	10.7	8.4	8.2	7.6	6.0	5.8
MAINE									
Lewiston—Auburn	461.6	472.5	476.1	43.8	47.6	44.0	9.5	10.1	9.2
	37.0	37.6	38.1	3.5	3.1	2.9	9.5	8.2	7.6
Portland	84.0	87.0	86.8	8.0	8.0	6.9	9.6	9.2	8.0
MARYLAND									
Baltimore	1,885.8	1,901.4	1,900.4	131.9	125.1	107.7	7.0	6.6	5.7
	956.4	963.2	959.9	76.1	75.7	65.1	8.0	7.9	6.8
MASSACHUSETTS									
Boston	2,766.2	2,709.9	2,717.1	281.0	198.9	176.7	10.2	7.3	6.5
	1,356.7	1,317.4	1,314.3	130.0	88.2	80.7	9.6	6.7	6.1
Brockton	77.8	75.3	75.7	8.4	6.4	5.7	10.8	8.5	7.6
Fall River ¹	73.8	73.1	74.4	7.2	6.4	5.6	9.8	8.7	7.5
Lawrence—Haverhill ¹	129.6	127.6	127.2	16.8	11.7	10.1	13.0	9.2	8.0
Lowell ¹	105.1	104.5	104.3	10.9	8.1	6.8	10.3	7.8	6.5
New Bedford	80.0	78.7	79.6	9.6	7.5	6.9	12.0	9.6	8.7
Springfield—Chicopee—Holyoke ¹	271.6	264.9	265.4	26.8	17.8	15.5	9.9	6.7	5.8
Worcester	188.3	189.3	189.6	19.1	11.7	10.3	10.1	6.2	5.4
MICHIGAN									
Ann Arbor	3,957.4	4,016.5	4,025.8	374.8	325.3	301.7	9.5	8.1	7.5
	126.7	131.8	131.2	10.3	8.2	7.2	8.1	6.2	5.5
Battle Creek	82.2	80.7	81.0	7.9	6.2	5.9	9.6	7.7	7.3
Bay City	51.1	50.6	50.8	4.9	3.9	3.6	9.5	7.7	7.1
Detroit	1,879.6	1,894.0	1,895.2	170.4	145.6	142.2	9.1	7.7	7.5
Flint	208.9	211.3	211.1	20.5	16.5	14.7	9.8	7.8	7.0

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		
	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P
MICHIGAN—Continued									
Grand Rapids	265.4	278.7	280.0	20.8	17.4	15.0	7.8	6.3	5.4
Jackson	65.3	64.9	65.1	6.6	5.9	5.4	10.1	9.0	8.3
Kalamazoo—Portage	127.1	129.9	129.9	9.3	8.3	7.4	7.3	6.3	5.7
Lansing—East Lansing	211.3	220.8	221.3	17.7	15.3	14.3	8.4	6.9	6.5
Muskegon—Norton Shores—Muskegon Heights	76.6	74.7	75.3	7.7	6.3	5.9	10.1	8.4	7.8
Saginaw	98.5	97.3	97.7	8.7	6.3	5.8	8.9	6.5	6.0
MINNESOTA	1,865.0	1,829.2	1,868.5	118.8	117.3	102.8	6.4	6.4	5.5
Duluth—Superior	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Minneapolis—St. Paul	1,007.8	1,006.3	1,019.7	70.1	60.2	59.2	7.0	6.0	5.8
MISSISSIPPI	926.3	958.9	959.5	55.1	60.1	54.3	6.0	6.3	5.7
Jackson	130.7	136.5	138.0	5.8	6.4	6.3	4.4	4.7	4.6
MISSOURI	2,145.6	2,125.2	2,141.0	132.9	120.7	103.3	6.2	5.7	4.8
Kansas City ¹	604.8	599.9	598.6	38.7	33.6	29.7	6.4	5.6	5.0
St. Joseph	45.1	46.0	45.8	2.8	2.6	2.1	6.3	5.7	4.7
St. Louis ¹	1,037.1	1,024.7	1,029.1	75.0	66.8	60.4	7.2	6.5	5.9
Springfield	92.9	94.8	95.3	5.1	4.0	3.3	5.4	4.2	3.5
MONTANA	328.5	N.A.	N.A.	19.9	N.A.	N.A.	6.1	N.A.	N.A.
Billings	48.5	N.A.	N.A.	2.2	N.A.	N.A.	4.6	N.A.	N.A.
Great Falls	32.5	N.A.	N.A.	2.0	N.A.	N.A.	6.1	N.A.	N.A.
NEBRASKA	710.1	714.9	726.3	21.7	25.1	16.9	3.1	3.5	2.3
Lincoln	99.2	102.1	102.8	2.3	2.7	1.9	2.3	2.6	1.8
Omaha ¹	250.3	254.2	254.0	12.8	12.7	9.4	5.1	5.0	3.7
NEVADA	297.9	307.6	313.5	27.2	25.2	23.4	9.1	8.2	7.4
Las Vegas	161.2	169.6	170.8	15.9	14.7	14.1	9.8	8.6	8.3
Reno	82.4	86.8	87.4	5.9	5.8	4.9	7.2	6.7	5.6
NEW HAMPSHIRE	380.1	N.A.	N.A.	28.0	N.A.	N.A.	7.4	N.A.	N.A.
Manchester	63.1	N.A.	N.A.	4.8	N.A.	N.A.	7.5	N.A.	N.A.
NEW JERSEY	3,303.4	3,258.4	3,274.7	366.8	329.0	311.5	11.1	10.1	9.5
Atlantic City	74.7	73.3	73.9	10.7	11.3	9.2	14.3	15.4	12.4
Jersey City	262.3	254.1	251.4	38.4	35.5	33.0	14.6	14.0	13.1
Long Branch—Asbury Park	202.7	204.8	208.1	21.2	21.2	20.0	10.5	10.3	9.6
Newark	924.6	902.1	909.3	100.3	82.9	83.0	10.8	9.2	9.1
New Brunswick—Perth Amboy—Sayreville	288.1	282.3	280.7	31.9	27.4	25.2	11.1	9.7	9.0
Peterson—Clifton—Passaic	207.9	199.6	201.0	29.0	23.9	24.3	14.0	12.0	12.1
Trenton	154.4	155.6	157.5	12.9	10.7	10.5	8.4	6.9	6.7
Vineland—Millville—Bridgeton	54.7	54.9	54.6	7.3	6.9	6.2	13.4	12.6	11.3
NEW MEXICO	458.5	470.7	472.4	41.3	42.4	39.0	9.0	9.0	8.2
Albuquerque	169.9	175.5	174.9	16.3	17.0	15.1	9.6	9.7	8.7
NEW YORK	7,725.4	7,562.8	7,561.2	820.1	722.1	683.5	10.6	9.5	9.0
Albany—Schenectady—Troy	357.3	353.3	353.5	29.8	30.1	28.0	8.3	8.5	7.9
Binghamton ¹	131.2	130.0	131.2	10.2	10.2	10.1	7.8	7.8	7.7
Buffalo	567.5	558.6	552.9	64.3	53.1	45.9	11.3	9.5	8.3
Elmira	41.1	40.3	40.0	3.7	4.7	4.4	9.0	11.7	11.1
Nassau—Suffolk	1,113.3	1,097.5	1,105.6	108.9	91.2	87.0	9.8	8.3	7.9
New York	3,671.4	3,564.8	3,551.3	410.9	346.8	332.6	11.2	9.7	9.4
Poughkeepsie	98.7	96.6	96.7	6.8	6.3	5.7	6.9	6.5	5.9
Rochester	453.5	446.8	446.2	39.8	34.9	32.5	8.8	7.8	7.3
Syracuse	289.0	281.3	285.3	29.3	25.9	24.6	10.1	9.2	8.6
Utica—Rome	137.6	135.2	135.5	15.5	15.3	14.4	11.3	11.3	10.6
NORTH CAROLINA	2,564.7	2,478.2	2,493.0	149.7	153.3	135.6	5.8	6.2	5.4
Asheville	78.6	76.9	77.0	4.7	4.6	4.0	6.0	6.0	5.2
Charlotte—Gastonia	305.8	308.4	309.3	16.9	14.7	12.6	5.5	4.8	4.1
Greensboro—Winston-Salem—High Point	389.0	390.0	390.8	21.4	21.0	18.4	5.5	5.4	4.7
Raleigh—Durham	248.7	250.2	250.4	10.4	10.3	8.8	4.2	4.1	3.5
NORTH DAKOTA	278.2	N.A.	N.A.	10.9	N.A.	N.A.	3.9	N.A.	N.A.
Fargo—Moorhead ¹	63.2	N.A.	N.A.	2.3	N.A.	N.A.	3.7	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		
	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P
OHIO	4,714.4	4,700.3	4,730.5	375.7	333.5	292.7	8.0	7.1	6.2
Akron	288.6	287.6	289.6	25.6	21.1	19.2	8.9	7.3	6.6
Canton	178.2	174.0	171.6	17.0	13.9	12.2	9.5	8.0	7.1
Cincinnati ¹	580.3	581.6	586.8	47.9	45.2	41.2	8.3	7.6	7.0
Cleveland	887.3	883.3	887.0	62.2	55.0	50.4	7.0	6.2	5.7
Columbus	501.6	503.2	506.1	35.8	30.6	26.7	7.1	6.1	5.3
Dayton	356.4	363.0	365.0	24.5	20.8	18.7	6.9	5.7	5.1
Toledo ¹	345.7	355.0	356.4	27.5	28.6	23.7	7.9	8.1	6.6
Youngstown—Warren	235.4	229.0	229.8	24.6	18.6	15.9	10.5	8.1	6.9
OKLAHOMA	1,144.1	1,176.6	1,181.0	64.6	57.4	53.8	5.6	4.9	4.6
Oklahoma City	340.8	352.9	356.6	20.1	16.2	15.6	5.9	4.6	4.4
Tulsa	275.2	283.9	283.2	14.2	13.5	12.5	5.1	4.7	4.4
OREGON	1,054.8	1,074.4	1,078.4	108.9	103.2	96.4	10.3	9.6	8.9
Eugene—Springfield	111.0	113.2	113.8	12.9	11.3	10.6	11.6	10.0	9.4
Portland ¹	511.6	524.8	524.2	47.3	43.4	40.6	9.2	8.3	7.7
Salem	92.3	96.3	97.0	9.1	8.8	8.3	9.9	9.1	8.6
PENNSYLVANIA	5,106.2	5,064.7	5,070.8	392.2	400.8	349.1	7.7	7.9	6.9
Allentown—Bethlehem—Easton ¹	297.5	299.3	299.1	20.3	21.0	19.2	6.8	7.0	6.4
Altoona	55.7	56.7	57.8	3.9	3.9	3.5	7.0	7.0	6.1
Erie	124.0	120.9	121.2	12.1	9.5	8.2	9.8	7.9	6.7
Harrisburg	212.5	209.2	210.3	10.8	11.1	9.2	5.1	5.3	4.4
Johnstown	106.0	106.7	107.2	6.5	7.7	5.7	6.1	7.2	5.3
Lancaster	164.9	161.0	163.3	9.1	8.2	7.0	5.5	5.1	4.3
Northeast Pennsylvania	274.2	273.8	273.6	24.3	26.8	23.6	8.9	9.8	8.6
Philadelphia ¹	2,028.5	2,010.5	2,000.1	171.4	171.4	154.2	8.5	8.5	7.7
Pittsburgh	984.6	974.3	979.5	74.5	82.5	71.0	7.6	8.5	7.2
Reading	148.0	146.2	147.0	9.1	9.0	8.4	6.1	6.2	5.7
Williamsport	50.2	50.0	49.5	4.5	4.8	4.0	9.0	9.6	8.1
York	155.3	157.1	158.7	10.7	9.9	8.2	6.9	6.3	5.2
RHODE ISLAND	425.9	430.4	430.0	36.0	34.5	30.4	8.4	8.0	7.1
Providence—Warwick—Pawtucket ¹	430.1	437.9	435.9	36.3	34.5	30.3	8.4	7.9	7.0
SOUTH CAROLINA	1,247.9	1,242.7	1,260.1	85.5	71.1	65.4	6.9	5.7	5.2
Charleston—North Charleston	138.1	139.3	140.0	9.7	8.0	7.5	7.1	5.7	5.3
Columbia	157.5	159.9	162.1	9.3	7.0	7.3	5.9	4.4	4.5
Greenville—Spartanburg	244.5	244.5	245.8	14.9	11.8	11.1	6.1	4.8	4.5
SOUTH DAKOTA	316.0	299.8	307.1	10.1	12.9	9.5	3.2	4.3	3.1
Sioux Falls	52.5	50.5	51.8	1.6	1.7	1.3	3.0	3.4	2.5
TENNESSEE	1,822.5	1,825.2	1,828.1	113.1	105.8	95.0	6.2	5.8	5.2
Chattanooga ¹	177.1	173.3	174.1	10.9	9.1	8.7	6.1	5.3	5.0 ¹
Knoxville	191.8	192.0	191.0	10.0	9.0	8.1	5.2	4.7	4.3
Memphis ¹	355.8	352.7	350.9	22.4	19.5	17.6	6.3	5.5	5.0
Nashville—Davidson	347.2	354.6	354.9	19.6	15.1	13.7	5.7	4.2	3.9
TEXAS	5,474.7	5,601.2	5,622.6	296.3	286.8	273.5	5.4	5.1	4.9
Amarillo	79.9	82.3	82.1	2.7	2.7	2.4	3.4	3.3	2.9
Austin	192.6	196.2	196.1	8.0	7.5	7.0	4.2	3.8	3.6
Beaumont—Port Arthur—Orange	159.2	159.7	159.8	10.8	11.5	11.2	6.9	7.2	7.0
Corpus Christi	129.1	128.9	129.7	9.2	9.1	8.7	7.1	7.1	6.7
Dallas—Fort Worth	1,241.6	1,274.1	1,277.1	55.5	49.4	44.2	4.5	3.9	3.5
El Paso	158.5	159.3	160.1	14.4	18.7	19.4	9.1	11.6	12.1
Galveston—Texas City	83.1	87.5	87.1	5.5	5.8	5.3	6.7	6.6	6.1
Houston	1,126.7	1,204.5	1,209.1	56.4	60.3	56.8	5.0	5.0	4.7
Lubbock	92.2	96.1	97.9	3.3	3.2	3.0	3.6	3.3	3.0
San Antonio	379.2	380.8	381.8	27.8	24.4	26.1	7.3	6.4	6.8
Waco	72.5	73.6	74.1	3.7	3.1	3.4	5.1	4.3	4.5
Wichita Falls	56.1	57.1	57.2	2.5	2.3	2.0	4.4	4.1	3.5
UTAH	504.8	521.4	523.1	28.5	29.9	24.7	5.7	5.7	4.7
Salt Lake City—Ogden	334.1	346.5	347.8	18.8	18.5	16.0	5.6	5.3	4.6
VERMONT	212.2	217.0	214.6	20.4	18.6	17.4	9.6	8.6	8.1

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		
	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P	APR. 1976	MAR. 1977R	APR. 1977P
VIRGINIA	2,283.2	2,323.6	2,331.8	133.1	149.1	134.0	5.8	6.4	5.7
Lynchburg	67.5	69.3	69.5	3.7	3.8	3.2	5.6	5.4	4.6
Newport News—Hampton	151.5	158.5	159.9	10.0	12.1	9.9	6.6	7.6	6.2
Norfolk—Virginia Beach—Portsmouth ¹	298.5	303.4	305.0	20.0	20.7	18.1	6.7	6.8	5.9
Richmond	297.7	306.2	308.7	13.2	15.5	13.5	4.4	5.0	4.4
Roanoke	108.0	109.7	109.7	6.5	7.6	6.4	6.1	6.9	5.9
WASHINGTON	1,575.1	1,591.2	1,604.0	143.1	134.3	120.9	9.1	8.4	7.5
Seattle—Everett	693.9	711.0	715.4	64.7	55.2	51.2	9.3	7.8	7.2
Spokane	127.9	127.2	128.5	9.7	9.8	8.9	7.6	7.7	6.9
Tacoma	156.7	154.3	155.9	16.1	13.5	12.6	10.2	8.7	8.1
WEST VIRGINIA	675.9	677.9	676.4	50.6	53.0	47.4	7.5	7.8	7.0
Charleston	110.1	107.9	107.5	6.0	5.8	5.7	5.5	5.4	5.3
Huntington—Ashland ¹	110.3	110.5	109.6	7.0	7.3	6.4	6.3	6.6	5.8
Parkersburg—Marietta ¹	63.1	62.0	61.8	6.3	4.2	3.8	10.0	6.8	6.2
Wheeling ¹	75.3	76.3	76.6	5.9	4.9	4.4	7.9	6.4	5.7
WISCONSIN	2,159.2	2,190.5	2,203.4	121.5	140.1	104.7	5.6	6.4	4.8
Appleton—Oshkosh	137.8	139.0	140.0	7.0	7.6	5.6	5.1	5.4	4.0
Green Bay	82.8	85.5	85.8	5.0	5.3	3.8	6.0	6.2	4.5
Kenosha	62.9	57.2	61.8	3.8	8.3	2.9	6.0	14.5	4.7
La Crosse	41.7	43.3	43.8	2.2	2.6	1.9	5.3	6.0	4.4
Madison	168.0	173.2	175.6	6.2	7.0	5.6	3.7	4.0	3.2
Milwaukee	684.7	683.3	681.5	43.4	42.6	35.6	6.3	6.2	5.2
Racine	86.8	90.1	89.4	4.8	6.5	3.8	5.5	7.2	4.2
WYOMING	170.7	176.1	182.8	7.3	7.2	6.8	4.3	4.1	3.7

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

P=preliminary.

R=revised

N.A.=not available.

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.

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)		
	May 1976	April 1977	May 1977	Change from ¹		May 1976	April 1977	May 1977
				May 1976	April 1977			
TOTAL^{2, 3}	2,775.8	2,790.5	2,463.0	-312.8	-327.5	4.2	4.1	3.7
SEASONALLY ADJUSTED	2,795.4	2,477.4	2,486.8	-308.6	9.4	4.3	3.7	3.7
Alabama	38.4	36.7	33.5	-4.9	-3.2	4.2	3.9	3.5
Alaska	10.5	22.8	14.6	4.1	-8.2	9.3	17.6	11.3
Arizona	26.1	21.1	18.7	-7.4	-2.5	4.4	3.5	3.0
Arkansas	22.0	23.7	19.3	-2.7	-4.4	4.2	4.4	3.5
California	368.9	338.5	351.3	-17.7	12.8	5.6	4.8	5.0
Colorado	18.2	27.3	22.0	3.9	-5.3	2.4	3.4	2.8
Connecticut	65.9	58.5	53.3	-12.6	-5.2	5.5	4.8	4.3
Delaware	8.4	7.6	6.6	-1.8	-1.1	4.0	3.6	3.1
District of Columbia	10.9	11.9	11.3	.4	-.6	3.0	3.3	3.2
Florida	92.1	79.7	75.9	-16.2	-3.9	3.4	3.1	2.9
Georgia	47.4	40.4	36.8	-10.6	-3.6	3.4	2.8	2.5
Hawaii	16.7	11.4	11.5	-5.3	0	5.3	3.5	3.5
Idaho	9.0	11.0	8.3	-.8	-2.8	4.1	4.8	3.6
Illinois	174.7	183.8	157.5	-17.2	-26.3	4.6	4.9	4.2
Indiana	35.5	34.2	28.1	-7.4	-6.1	2.2	2.1	1.7
Iowa	22.6	22.1	18.4	-4.2	-3.7	2.8	2.7	2.2
Kansas	15.1	16.9	15.1	.1	-1.8	2.4	2.6	2.3
Kentucky	29.4	32.6	26.4	-3.0	-6.2	3.5	3.7	3.0
Louisiana	38.0	44.9	41.0	3.0	-3.9	3.7	4.1	3.8
Maine	14.4	20.1	15.5	1.1	-4.6	5.1	6.8	5.2
Maryland	39.8	42.4	36.5	-3.3	-5.9	3.5	3.8	3.2
Massachusetts	100.9	93.1	82.0	-18.9	-11.1	5.2	4.8	4.2
Michigan	144.3	145.4	123.1	-21.2	-22.3	5.2	4.9	4.2
Minnesota	40.3	52.4	37.6	-2.7	-14.7	2.9	3.7	2.7
Mississippi	15.9	17.4	15.8	-.1	-1.6	3.0	3.1	2.8
Missouri	49.3	49.4	48.2	-1.1	-1.3	3.5	3.4	3.3
Montana	8.3	10.0	7.6	-.8	-2.4	4.6	4.6	3.5
Nebraska	8.9	9.4	6.9	-2.0	-2.5	2.0	2.1	1.5
Nevada	11.8	10.9	9.5	-2.3	-1.4	5.5	4.8	4.2
New Hampshire	8.7	8.0	6.3	-2.4	-1.6	3.5	3.0	2.4
New Jersey	137.5	140.0	120.6	-16.9	-19.4	6.3	6.3	5.4
New Mexico	11.7	11.6	10.0	-1.7	-1.6	4.4	4.1	3.6
New York	305.6	298.4	262.8	-42.7	-35.6	5.3	5.3	4.6
North Carolina	52.7	55.2	43.7	-9.0	-11.5	3.2	3.2	2.5
North Dakota	3.6	7.7	4.6	1.0	-3.2	2.4	5.0	2.9
Ohio	101.9	98.4	84.4	-17.5	-14.0	2.7	2.6	2.3
Oklahoma	24.4	21.7	19.7	-4.7	-1.9	3.5	2.9	2.6
Oregon	40.3	45.1	40.2	-.2	-4.9	5.3	5.7	5.1
Pennsylvania	210.0	219.2	184.0	-26.0	-35.2	5.6	5.8	4.9
Puerto Rico ²	57.6	52.5	52.6	-4.9	.1	12.1	11.4	11.4
Rhode Island	15.8	19.7	16.3	.4	-3.4	5.1	6.1	5.0
South Carolina	27.5	24.6	20.8	-6.7	-3.8	3.5	3.0	2.5
South Dakota	3.3	4.0	3.2	-.1	-.8	2.2	2.4	1.9
Tennessee	47.2	45.6	37.5	-9.6	-8.1	3.8	3.6	3.0
Texas	56.5	56.8	55.6	-.9	-1.2	1.5	1.5	1.4
Utah	11.9	12.8	11.2	-.7	-1.6	3.5	3.6	3.2
Vermont	7.9	8.5	6.9	-1.0	-1.6	6.1	6.3	5.1
Virginia	28.3	33.1	27.8	-.5	-5.3	2.1	2.3	1.9
Washington	68.1	71.2	62.4	-5.7	-8.8	6.9	6.8	6.0
West Virginia	18.3	21.0	15.1	-3.2	-5.8	4.1	4.3	3.1
Wisconsin	51.3	57.1	43.3	-8.0	-13.8	3.3	3.8	2.9
Wyoming	2.1	2.7	1.9	-.2	-.8	1.9	2.3	1.6

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

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

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

UNEMPLOYMENT INSURANCE DATA

F-2. Insured unemployment¹ in 150 major labor areas²

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

State and area	May 1976	May 1977	State and area	May 1976	May 1977	State and area	May 1976	May 1977	State and area	May 1976	May 1977
ALABAMA			INDIANA—			NEW JERSEY			PENNSYLVANIA—		
Birmingham	10.0	7.7	Continued			Atlantic City	4.2	(*)	Continued		
Mobile	4.4	4.5				Jersey City	15.8	(*)			
ARIZONA			Gary-Hammond—			Newark	37.0	(*)	Northeast		
Phoenix	15.6	12.1	East Chicago	4.8	3.6	New Brunswick—			Pennsylvania	18.0	16.0
ARKANSAS			Indianapolis	7.0	6.4	Perth Amboy—			Philadelphia	86.9	(**)
Little Rock—			South Bend	1.7	1.5	Sayreville	10.9	(*)	Pittsburgh	33.4	28.3
North Little			Terre Haute	1.7	1.3	Paterson-Clifton—			Reading	5.7	4.1
Rock	3.1	2.5	IOWA			Passaic	10.9	(*)	York	5.7	4.5
CALIFORNIA			Cedar Rapids	1.4	1.3	Trenton	4.4	(*)	PUERTO RICO		
Anaheim—S. Ana—			Des Moines	3.3	3.0	NEW MEXICO			Mayaguez	2.0	2.0
Garden Grove	24.6	18.1	KANSAS			Albuquerque	5.5	4.8	Ponce	4.7	5.0
Fresno	8.5	11.6	Wichita	4.2	4.0	NEW YORK			San Juan	13.8	13.8
Los Angeles—Long			KENTUCKY			Albany—			RHODE ISLAND		
Beach	126.5	109.5	Louisville	8.8	6.2	Schenectady—			Providence—		
Riverside—San			LOUISIANA			Troy	10.6	8.7	Warwick—		
Bernardino—			Baton Rouge	4.5	5.4	Binghamton	3.1	3.3	Pawtucket	16.3	(**)
Ontario	17.7	17.0	New Orleans	12.0	12.3	Buffalo	21.7	18.6	SOUTH CAROLINA		
Sacramento	16.9	17.2	Shreveport	4.2	3.3	New York City			Charleston	2.8	2.5
San Diego	28.4	26.3	MAINE			Combined Areas...	210.3	181.1	Greenville—		
San Francisco—			Portland	1.6	1.6	(a) N.Y. City			Spartanburg	4.9	3.9
Oakland	59.0	52.4	MARYLAND			plus Rockland,			TENNESSEE		
San Jose	21.8	18.2	Baltimore	23.2	21.6	Putnam, and			Chattanooga	4.2	3.5
Stockton	7.9	9.3	MASSACHUSETTS			Westchester Cos. .	166.7	145.6	Knoxville	4.8	3.2
COLORADO			Boston	48.9	(*)	(b) Nassau—			Memphis	12.4	8.9
Denver—Boulder ..	10.2	12.4	Brockton	2.8	(*)	Suffolk	43.6	35.5	Nashville—		
CONNECTICUT			Fall River	3.5	(*)	Rochester	14.4	12.1	Davidson	7.7	5.0
Bridgeport	10.2	6.9	Lawrence—			Syracuse	9.1	7.0	TEXAS		
Hartford	15.1	11.7	Haverhill	6.1	(*)	Utica—Rome	5.7	5.1	Austin	1.7	1.9
New Britain	3.6	3.0	Lowell	3.5	(*)	NORTH CAROLINA			Beaumont—		
New Haven—			New Bedford	3.4	(*)	Asheville	1.7	1.2	Port Arthur—		
West Haven	9.1	9.2	Springfield—			Charlotte—			Orange	2.6	3.0
Stamford	5.5	4.3	Chicopee—			Gastonia	5.7	3.9	Corpus Christi ..	1.3	2.1
Waterbury	3.1	2.7	Holyoke	10.1	(*)	Greensboro—			Dallas	9.5	7.4
DELAWARE			Worcester	6.4	(*)	Winston-Salem—			El Paso	3.7	5.6
Wilmington	7.8	(**)	MICHIGAN			High Point	7.3	5.9	Fort Worth	4.9	4.1
DIST. OF COL.			Battle Creek	3.7	3.1	Raleigh—Durham ..	3.0	2.8	Houston	8.3	8.1
Washington	19.1	24.1	Detroit	69.9	62.0	OHIO			San Antonio	5.6	5.8
FLORIDA			Flint	8.1	6.4	Akron	7.6	5.6	UTAH		
Jacksonville	4.8	4.4	Grand Rapids	7.6	6.0	Canton	5.5	4.5	Salt Lake City—		
Miami	19.8	17.0	Kalamazoo—			Cincinnati	11.4	9.6	Ogden	6.8	5.7
Tampa—St.			Portage	3.7	2.5	Cleveland	18.5	16.6	VIRGINIA		
Petersburg	18.1	14.4	Lansing—East			Columbus	10.6	8.5	Newport News—		
GEORGIA			Lansing	5.7	5.3	Dayton	7.1	5.5	Hampton	2.3	2.0
Atlanta	17.6	31.9	Muskegon—			Hamilton—			Norfolk—		
Augusta	3.5	2.8	Heights	3.5	3.4	Middletown	3.1	2.7	Virginia Beach—		
Columbus	2.7	2.3	Saginaw	3.5	2.4	Lorain			Portsmouth	4.9	4.3
Macon	2.7	1.8	MINNESOTA			Elyria	2.1	1.7	Richmond	3.0	3.1
Savannah	2.1	1.7	Duluth—			Steubenville—			Roanoke	1.6	1.5
HAWAII			Superior	2.6	2.7	Weirton	1.0	1.2	WASHINGTON		
Honolulu	14.1	9.7	Minneapolis—			Toledo	7.8	7.7	Seattle	30.8	26.2
ILLINOIS			St. Paul	20.8	16.1	Youngstown—			Spokane	5.4	4.5
Chicago	109.6	107.7	MISSISSIPPI			Warren	7.8	4.8	Tacoma	8.0	7.6
Davenport—Rock			Jackson	1.5	1.8	OKLAHOMA			WEST VIRGINIA		
Island—			MISSOURI			Oklahoma City	6.7	4.8	Charleston	2.1	1.5
Moline	4.3	5.7	Kansas City	13.4	12.7	Tulsa	5.7	4.9	Huntington—		
Peoria	4.0		St. Louis	30.9	27.5	OREGON			Ashland	3.1	2.8
Rockford	5.8	3.3	NEBRASKA			Portland	18.9	17.3	Wheeling	2.5	1.6
INDIANA			Omaha	5.9	4.8	PENNSYLVANIA			WISCONSIN		
Evansville	1.6	1.3	NEW HAMPSHIRE			Allentown—			Kenosha	2.2	1.4
Ft. Wayne	2.8	1.6	Manchester	1.9	1.2	Bethlehem—			Madison	4.0	3.6
						Easton	13.6	(**)	Milwaukee	14.4	12.0
						Altoona	2.4	1.7	Racine	2.4	1.8
						Erie	7.0	4.1			
						Harrisburg	6.1	5.1			
						Johnstown	4.1	3.4			
						Lancaster	4.2	3.6			

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.

** Information not available from Massachusetts and New Jersey.

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

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

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

Establishment data

(B, C, and D tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in 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 rehired employees.

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

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

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

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

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

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

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry statistics are (1) the use of the

"link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table F. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover.

Size and regional stratification

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

Benchmark adjustments

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

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

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions due to benchmark adjustment for the last 3 years is shown in table G.

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

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

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

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

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

¹ 2-year revision.

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the

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

Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small

establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to accept samples in these divisions with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

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

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

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

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

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

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

Industry	Employees	
	Number reported	Percent of total
Total	10,873,730	52
Manufacturing	10,007,800	51
Metal mining	61,850	66
Coal mining	56,770	35
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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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
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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
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II NEW YORK	-Division of Employment, N.Y. State Department of Labor, State Campus—Building 12, Albany 12201
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