

# Employment and Earnings

## April 1980



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Janet L. Norwood, Commissioner

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## Calendar of Features

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

### Household data

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

### Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employment detail (final)	Mar.
National data adjusted to new benchmarks	Oct. <sup>1</sup>
Revised seasonally adjusted series	Oct. <sup>2</sup>
State and area annual averages	May
Area definitions	May

<sup>1</sup> The issue that introduces new benchmark varies. The October 1979 issue marks the introduction of March 1978 benchmarks.

<sup>2</sup> Revised data introduced October 1979.

# Employment and Earnings

Vol. 27 No. 4 April 1980

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Editors: Gloria P. Green, Gloria P. Goings, Rosalie K. Epstein

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# Employment and Unemployment Developments, March 1980

Employment declined in March and unemployment returned to its January level. The March unemployment rate was 6.2 percent, compared with 6.0 percent in February and 6.2 percent in January. During the previous year and a half, the unemployment rate had remained in the narrow range of 5.7 to 5.9 percent.

Total employment—as measured by the monthly survey of households—declined by 300,000 to 97.7 million. Total employment has not advanced appreciably since September 1979.

Nonfarm payroll employment—as measured by the monthly survey of establishments—dropped by 140,000 to 90.6 million. Most of this reduction was in construction, which is being affected by declining housing starts and rising interest rates.

## Unemployment

Both the number of unemployed, 6.4 million, and the unemployment rate, 6.2 percent, returned to January levels after edging down in February. Whereas the overall change was small, there was a sizeable increase in the jobless rate for adult men to 4.9 percent in March, the highest since October 1977. The rates for workers in the construction industry and craft workers also rose in March. There was an increase in the number of unemployed persons laid off from their last job and in the number unemployed for more than 6 months. On the other hand, jobless rates for adult women (5.7 percent), teenagers (15.9 percent), whites (5.4 percent), and blacks (11.8 percent) all showed little or no change over the month. (See tables A-33, A-36, A-37, and A-39.)

The number of nonfarm workers on part-time work schedules for economic reasons (sometimes termed the “partially unemployed”) remained at 3.4 million in March. Over the past year, their total has risen by 200,000, all of it among those who usually work full time. (See table A-42.)

## Total employment and the labor force

Total employment fell by 300,000 in March to 97.7 million, with the decrease concentrated among adult men. Employment among adult women and teenagers was little changed over the month. Employment growth has been slowing for several months, and the March level was up only 1 million from a year earlier. Due in part to their employment drop of 230,000 in March,

adult men have experienced almost no employment growth over the past year. (See table A-33.)

The civilian labor force was about unchanged in March and was up only 1.7 million over the year, the smallest yearly jump in more than 4 years. The labor force participation rate fell by 0.2 percentage point in March to 63.7 percent, with decreases registered by adult men and women. The employment-population ratio also fell in March, from 59.3 to 59.0 percent.

## Discouraged workers

Discouraged workers are those who report that they want work but are not looking for jobs because they believe they cannot find any. Because they do not meet the labor market test—that is, they are not engaged in active job search—they are classified as not in the labor force rather than unemployed. Data for this group are published quarterly.

The number of discouraged workers jumped sharply in the first quarter of 1980 to a level of 1 million. This represented a 250,000 increase over the last quarter of 1979 and brought the number of discouraged workers to its highest level since the third quarter of 1977. Three-fifths of the total cited job-market factors as the reason for their discouragement, the same proportion as in the previous quarter. (See table A-53.)

## Industry payroll employment

The number of employees on nonagricultural payrolls fell by 140,000 to a March level of 90.6 million. Payroll employment was only 1.6 million higher than a year earlier.

The largest over-the-month decline occurred in the construction industry, where employment dropped by 135,000. This was the second consecutive monthly reduction in this industry, with the 2-month decrease totaling 200,000 jobs; up through January, employment had been rising. Manufacturing employment was down slightly in March, with the transportation equipment, food processing, and lumber industries posting the largest declines. Employment in the service-producing sector was unchanged at 64.1 million, as a small job gain in the services industry was about offset by an employment drop in retail trade. (See table B-4.)

## Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls fell for the second straight month, to 35.4 hours in March. All of the declines took place in the goods-producing sector. The manufacturing workweek, which is recognized as a leading indicator of business cycle developments, decreased 0.2 hour in March to 39.8 hours and was down half an hour since January. The construction workweek was down 1.2 hours over the month and 2 hours since January. (See table C-7.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls fell 0.5 percent to 125.9 (1967 = 100) in March and was only 0.2 percent higher than in March 1979. The manufacturing index dropped nearly 0.8 percent in March and has fallen by 4.3 percent over the year. (See table C-8.)

## Hourly and weekly earnings

Average hourly earnings of production or nonsuper-

visory workers on private nonagricultural payrolls rose 0.9 percent in March and 7.8 percent over the year (seasonally adjusted). Average weekly earnings rose 0.6 percent in March and were up 6.3 percent over the year. (See tables C-1 and C-9.)

Before adjustment for seasonality, average hourly earnings rose 4 cents in March to \$6.50 and were 48 cents higher than a year before. Average weekly earnings were \$228.80, up \$2.05 over the month and \$13.89 over the year.

## The Hourly Earnings Index

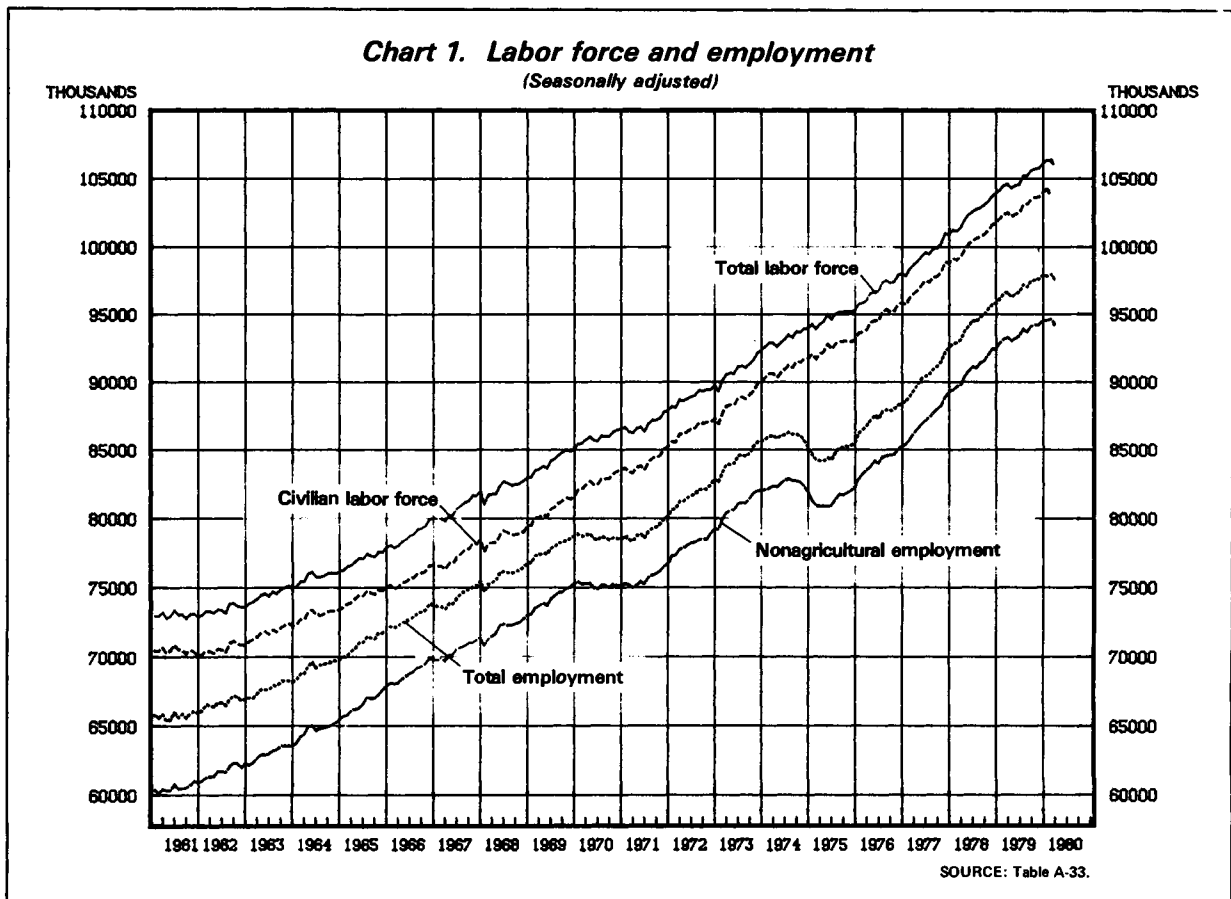
The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 245.0 (1967 = 100) in March, 1.0 percent higher than in February. The Index was 8.8 percent above March a year ago. In dollars of constant purchasing power, the Index decreased 5.2 percent during the 12-month period ended in February. (See table C-9.)



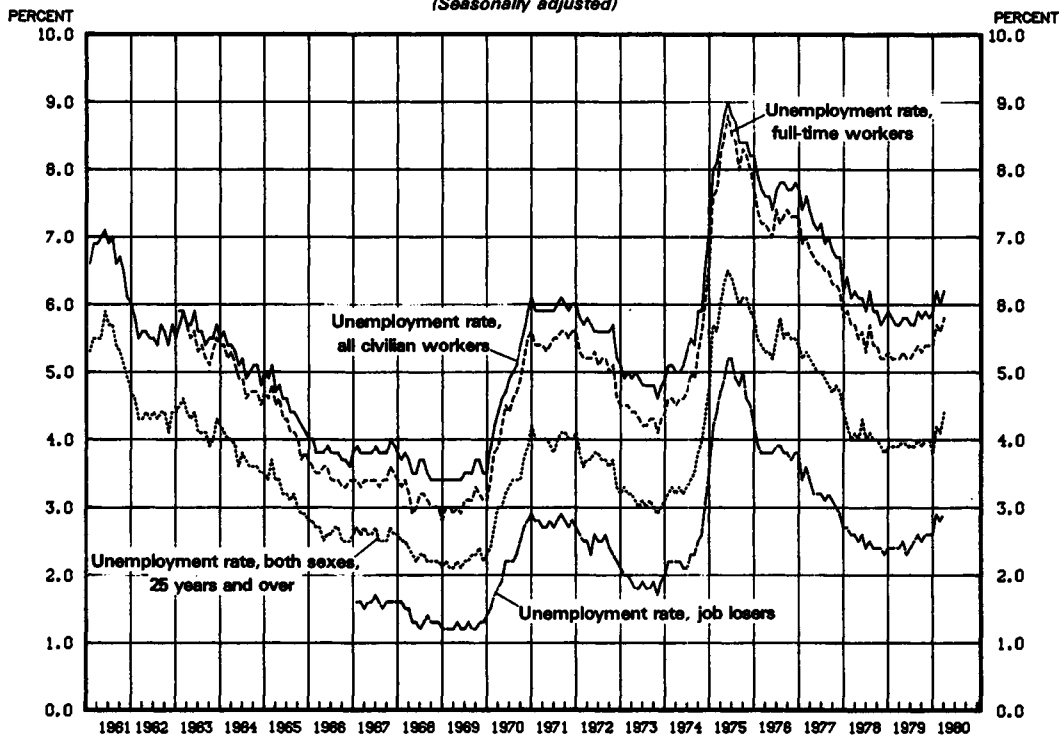
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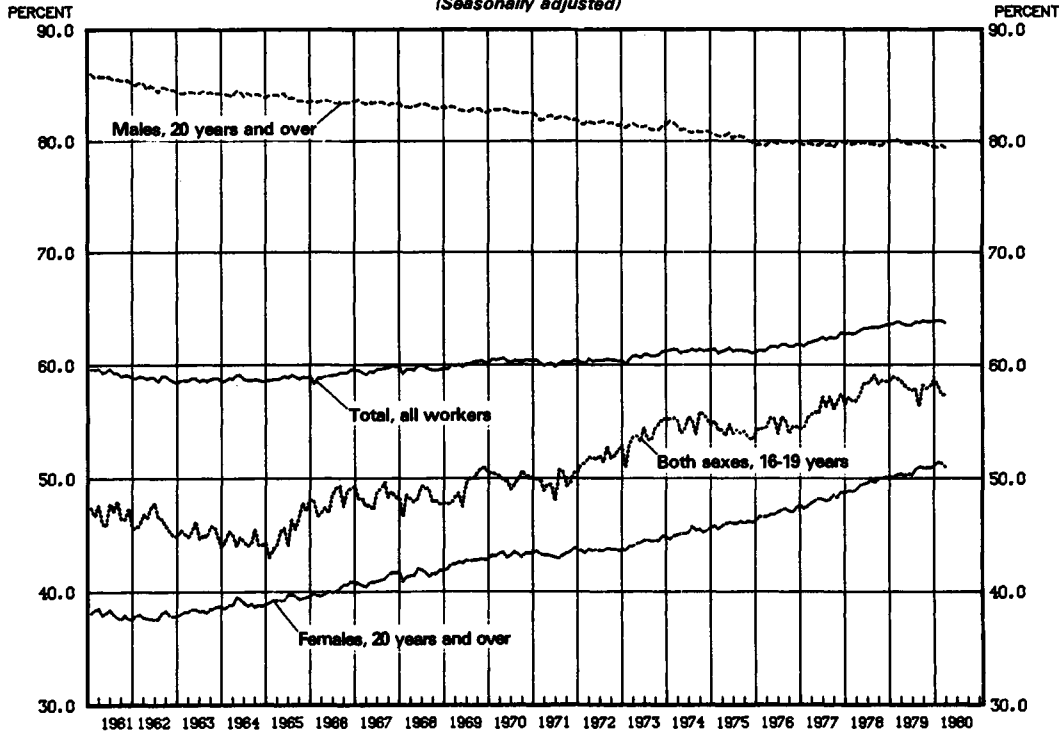


**Chart 2. Major unemployment indicators**  
(Seasonally adjusted)



SOURCE: Tables A-36, A-38, and A-39.

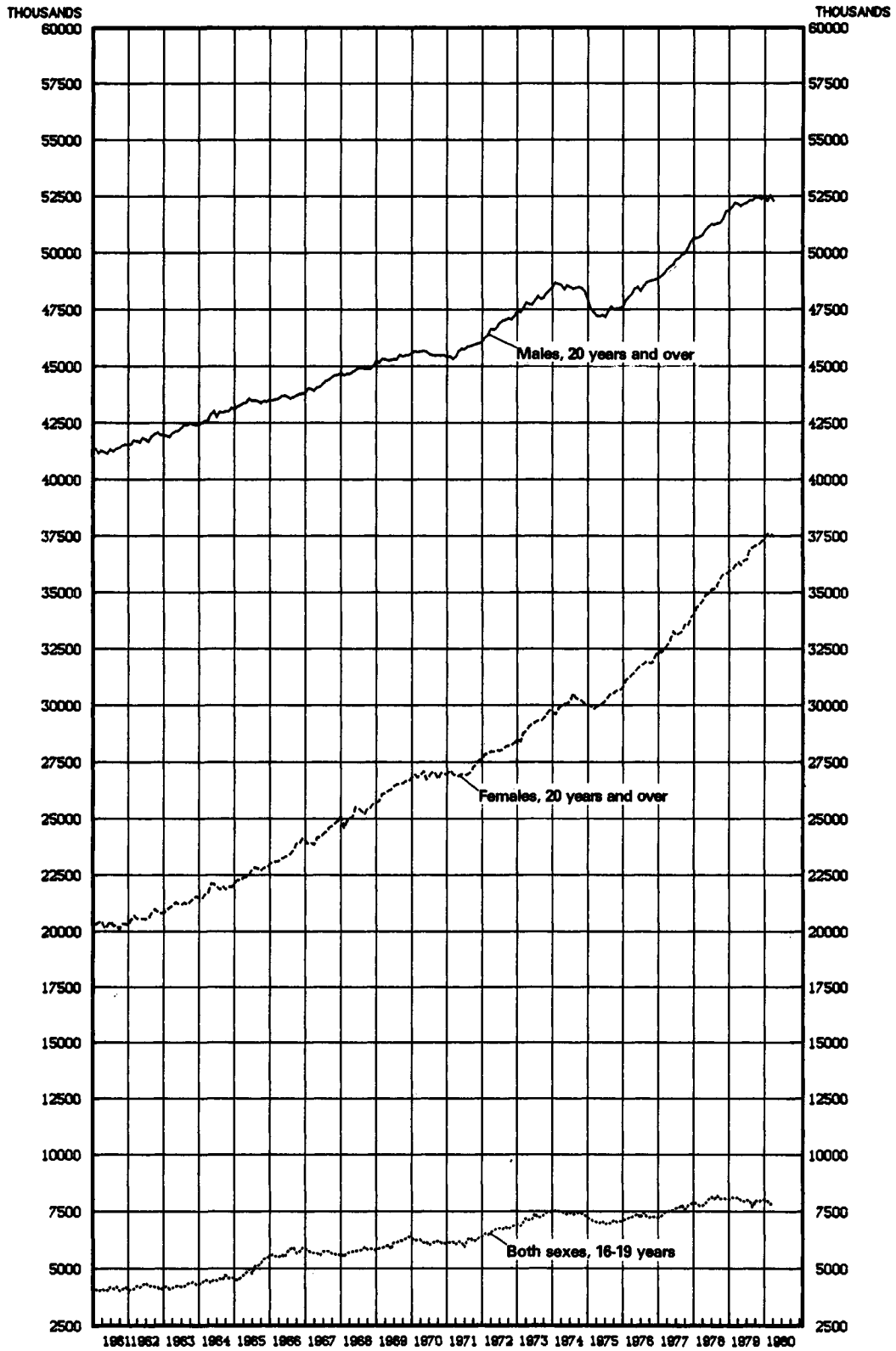
**Chart 3. Civilian labor force participation rates by sex and age**  
(Seasonally adjusted)



SOURCE: Table A-33.

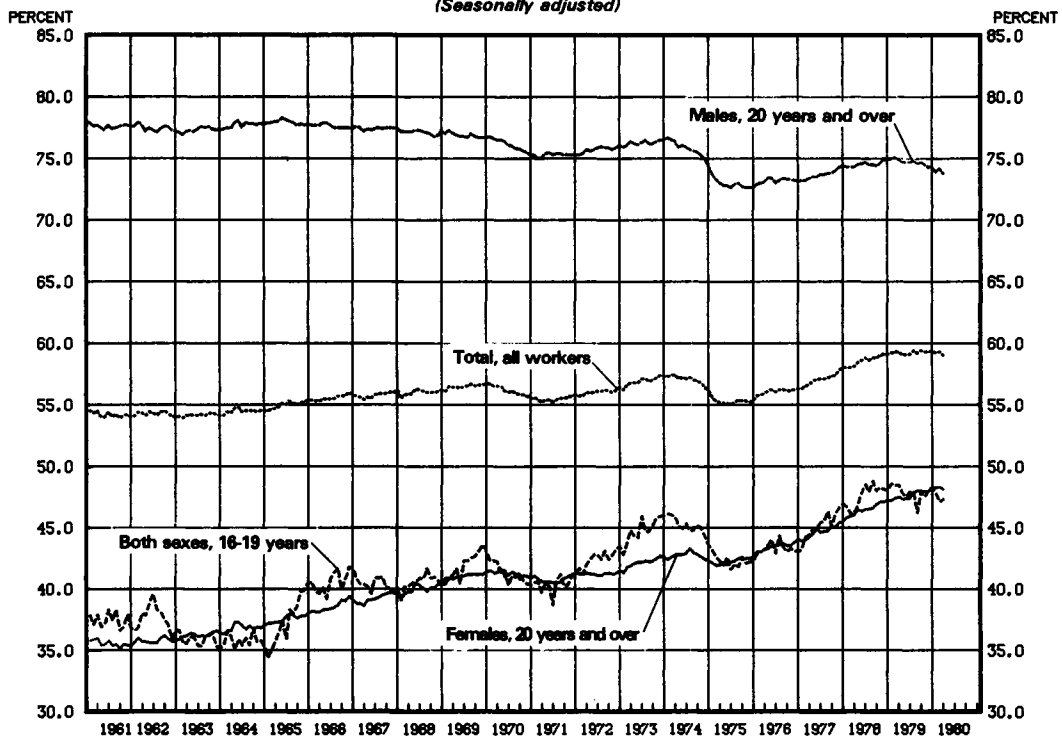
**Chart 4. Total employment by sex and age**

*(Seasonally adjusted)*



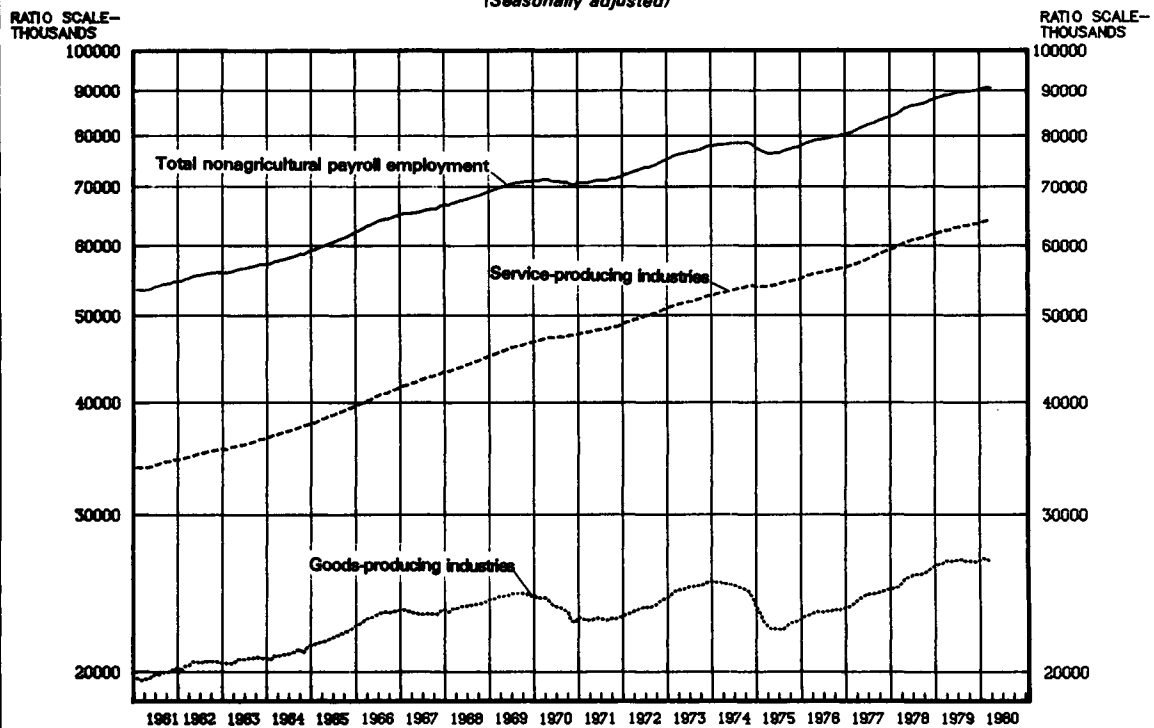
SOURCE: Table A-33.

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



SOURCE: Table A-33.

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

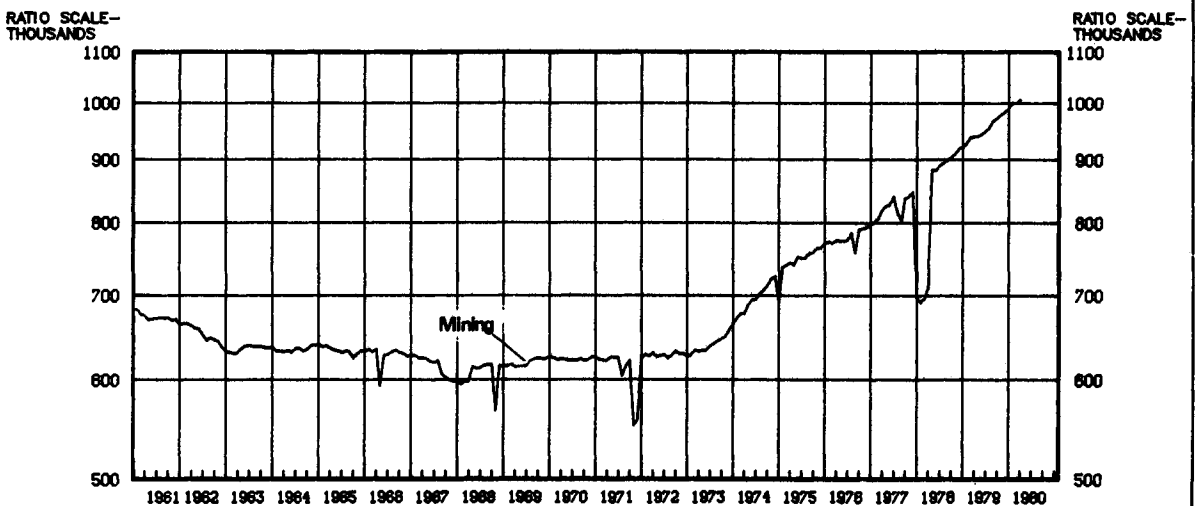
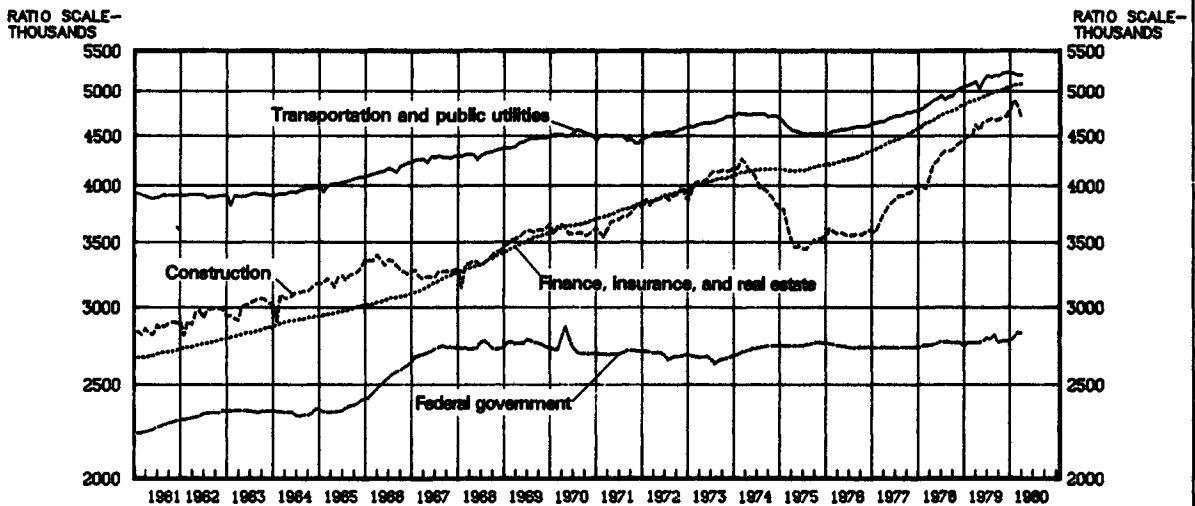
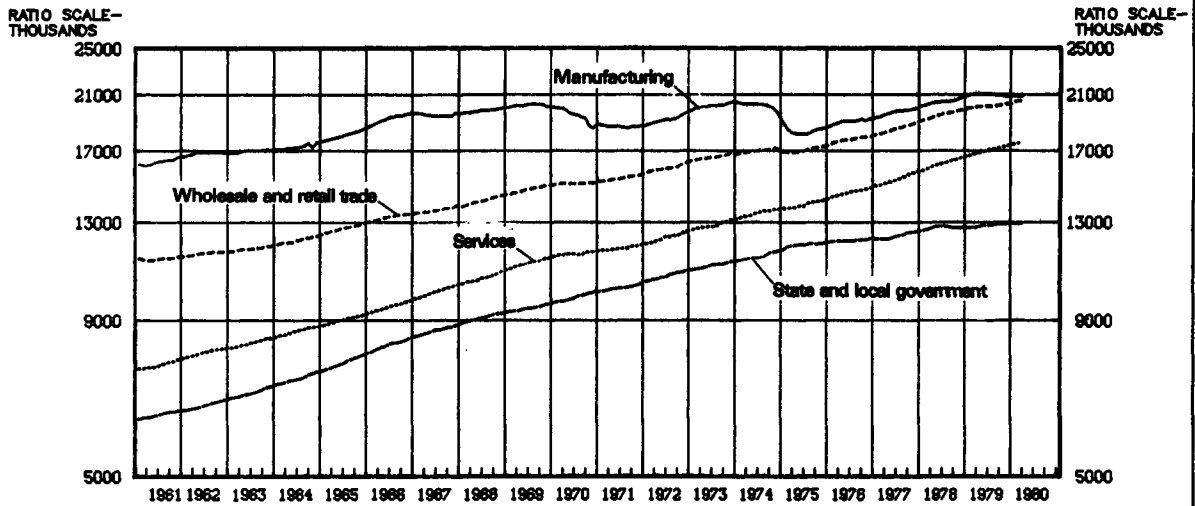


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

### Chart 7. Nonagricultural payroll employment by industry

(Seasonally adjusted)

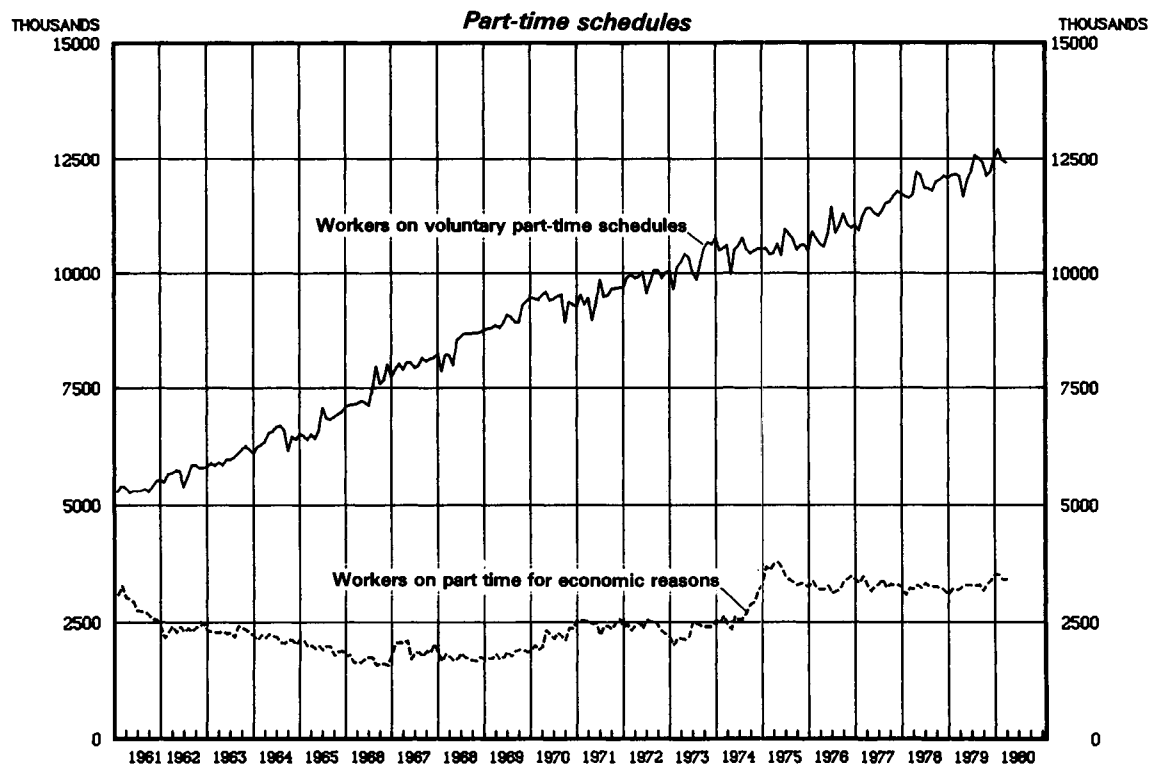
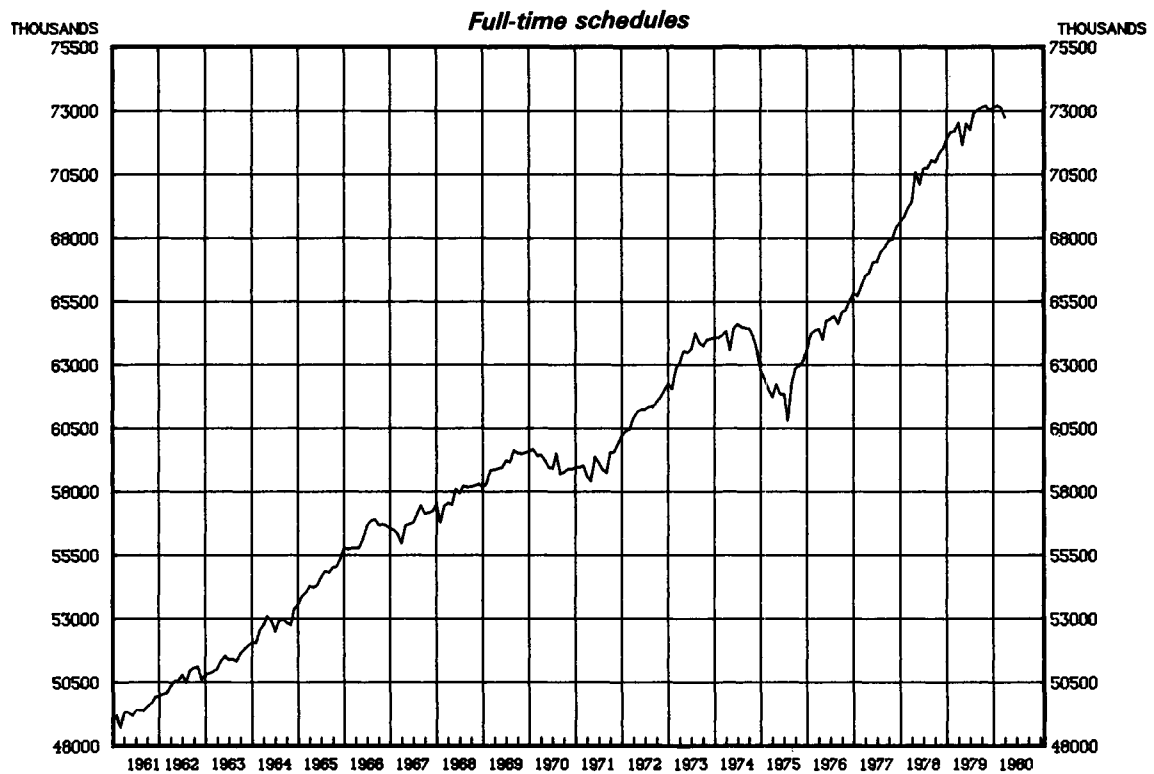


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

**Chart 8. Persons at work full and part time in nonagricultural industries**

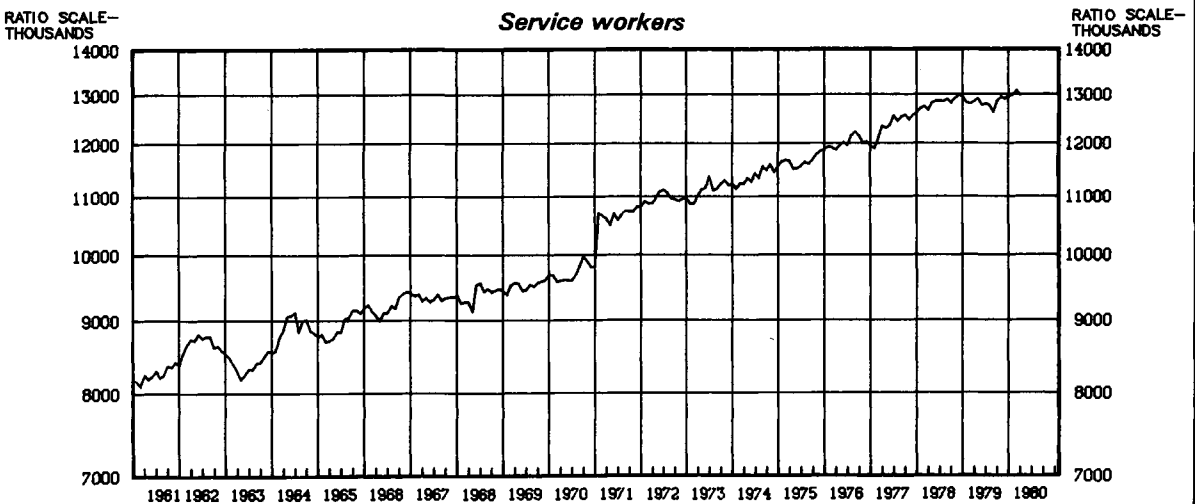
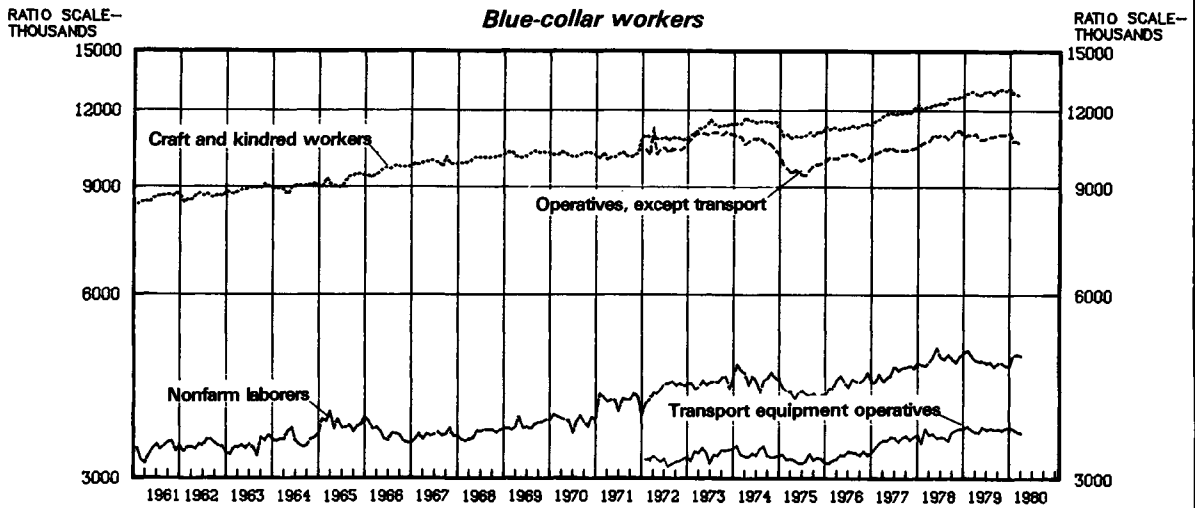
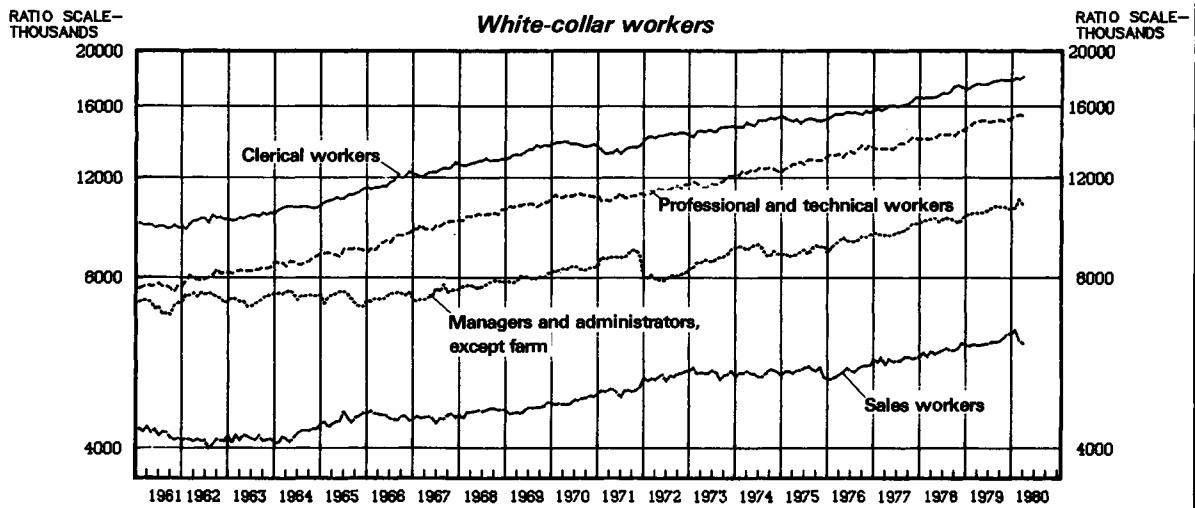
*(Seasonally adjusted)*



SOURCE: Table A-42.

### Chart 9. Employment in nonfarm occupations

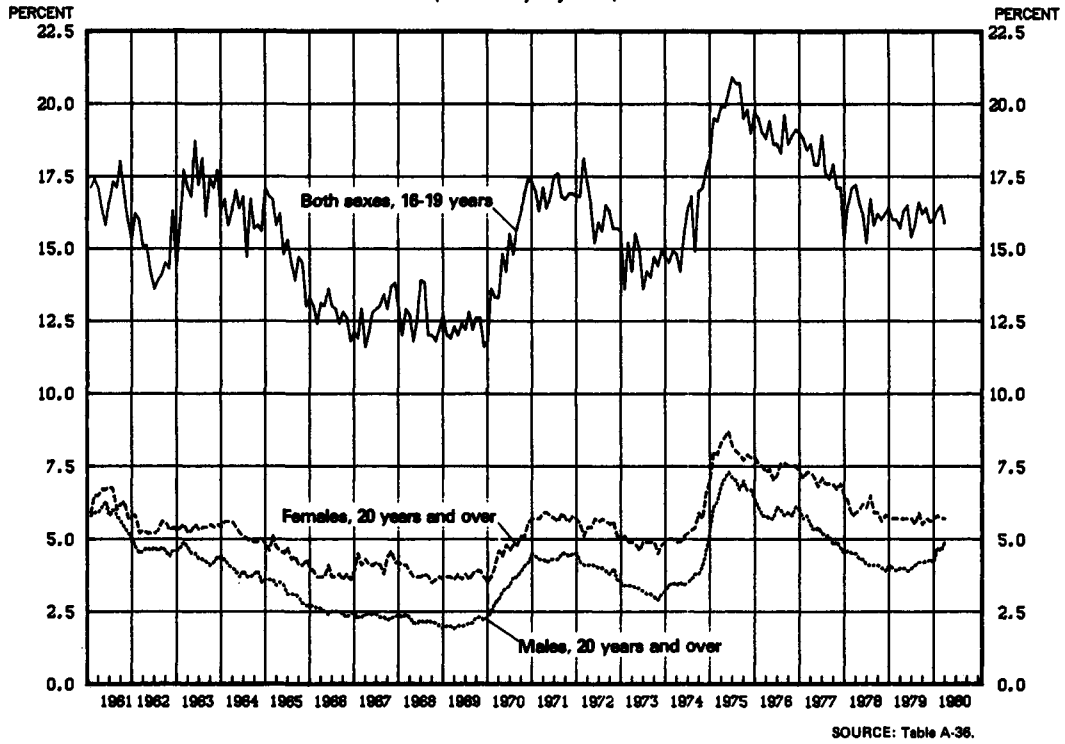
(Seasonally adjusted)



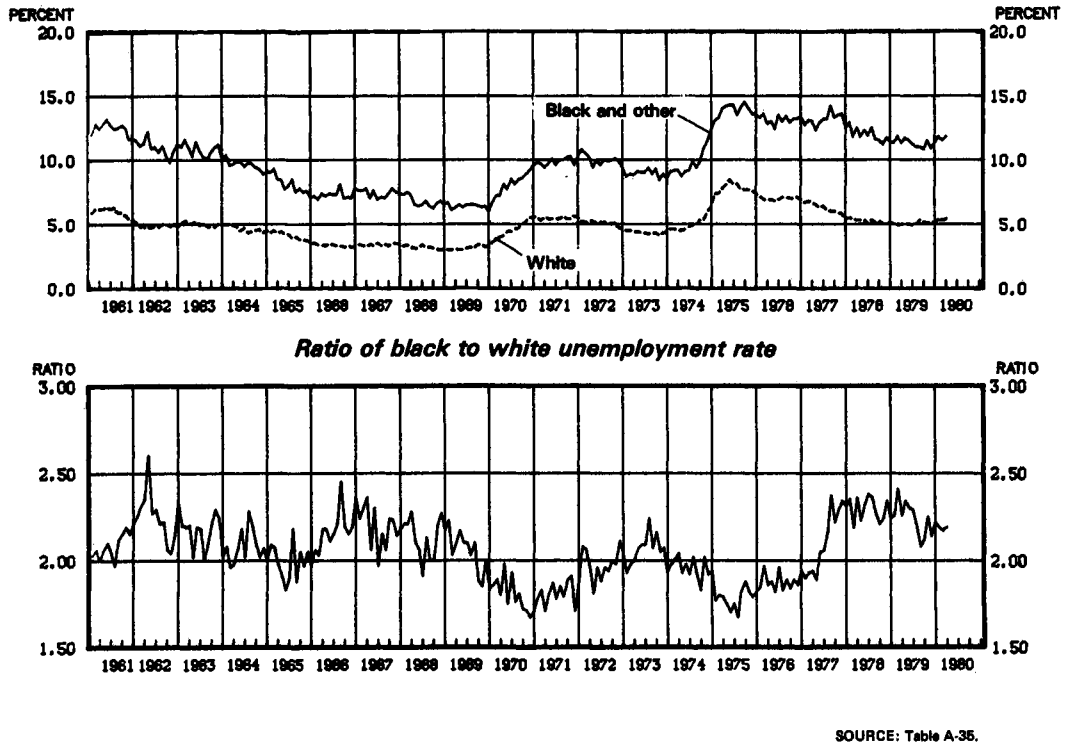
NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

SOURCE: Table A-42.

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

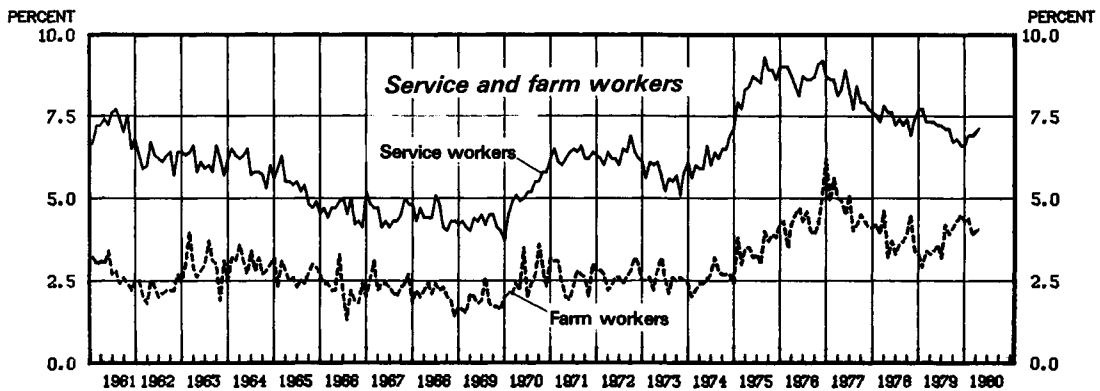
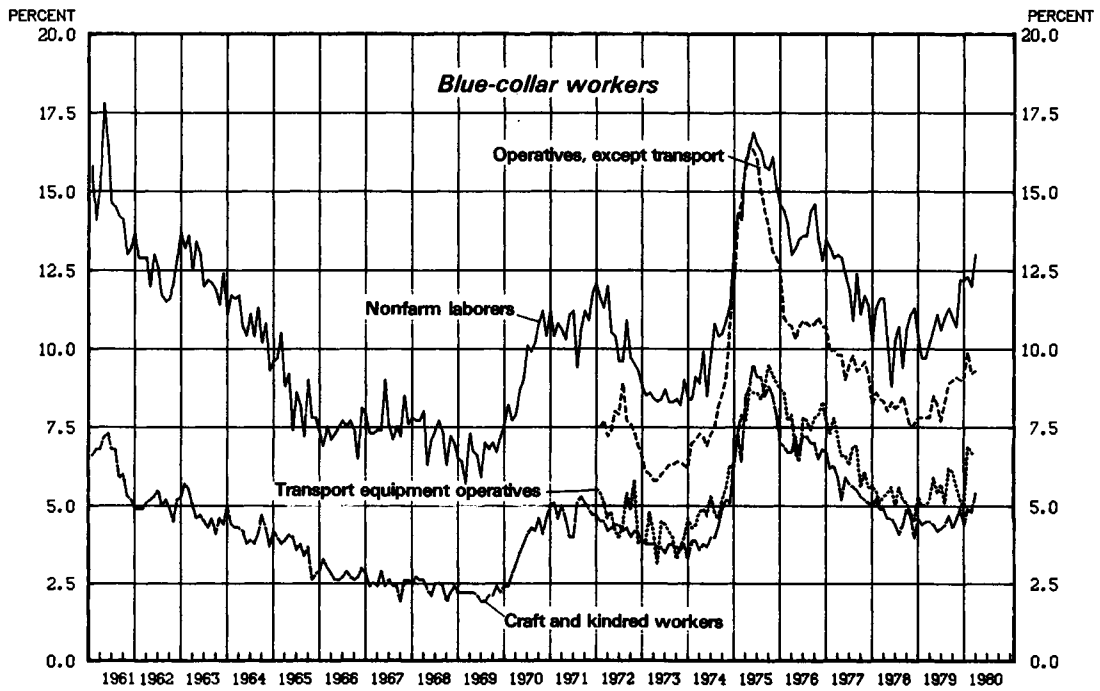
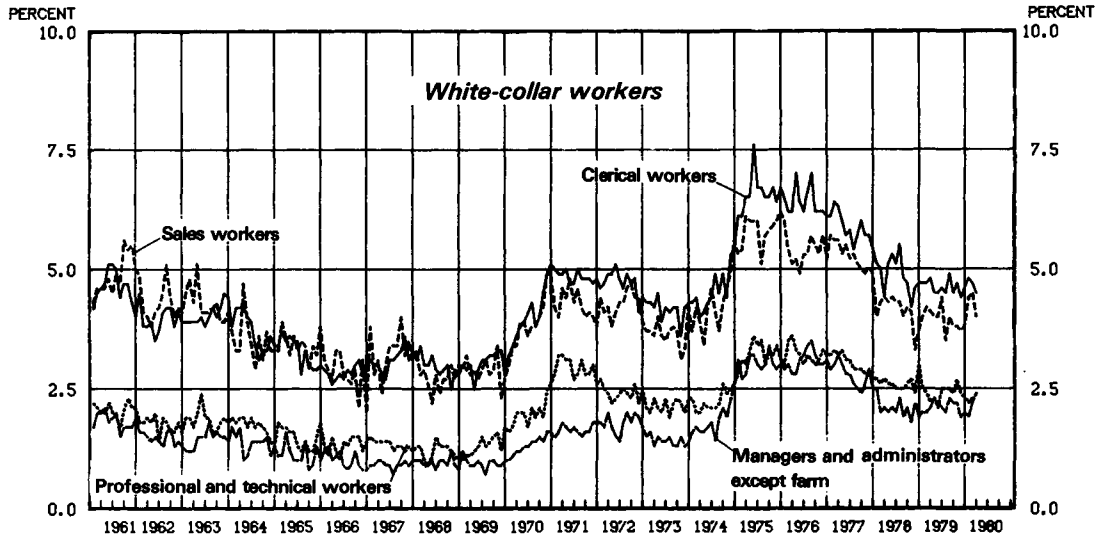


**Chart 11. Unemployment rates by race**  
(Seasonally adjusted)





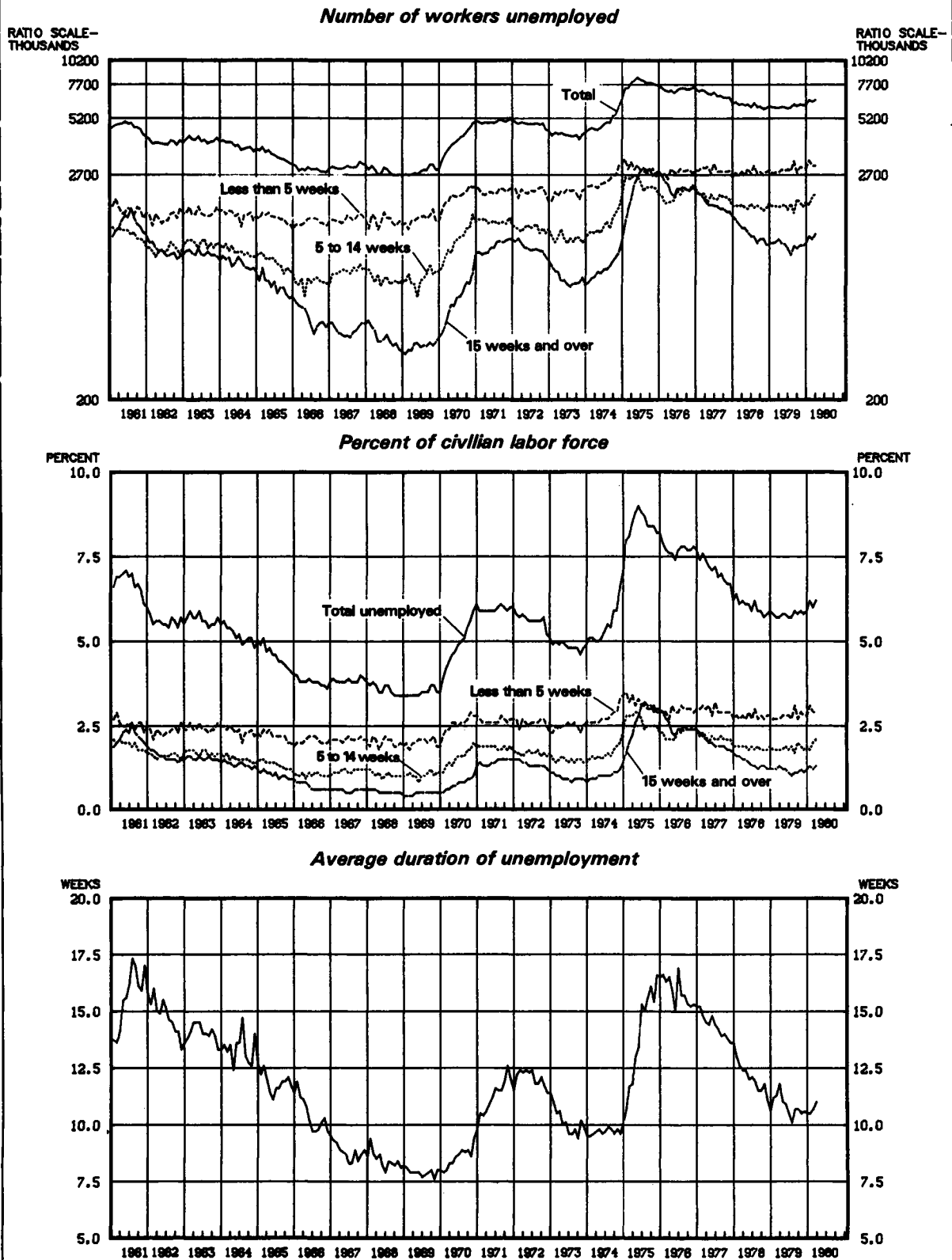
**Chart 12. Unemployment rates by major occupational groups**  
(Seasonally adjusted)



SOURCE: Table A-36.

### Chart 13. Duration of unemployment

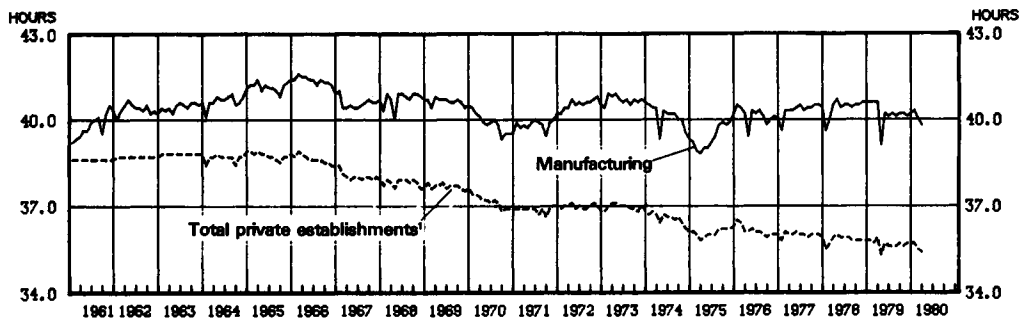
(Seasonally adjusted)



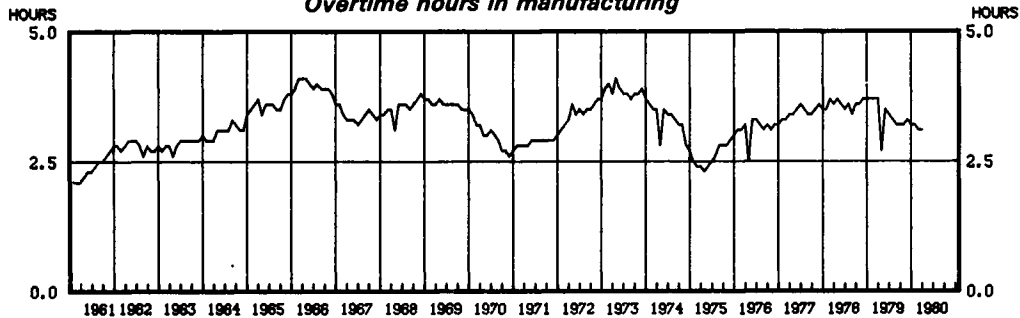
SOURCE: Table A-37.

**Chart 14. Average weekly hours in nonagricultural industries**

(Seasonally adjusted)



**Overtime hours in manufacturing**



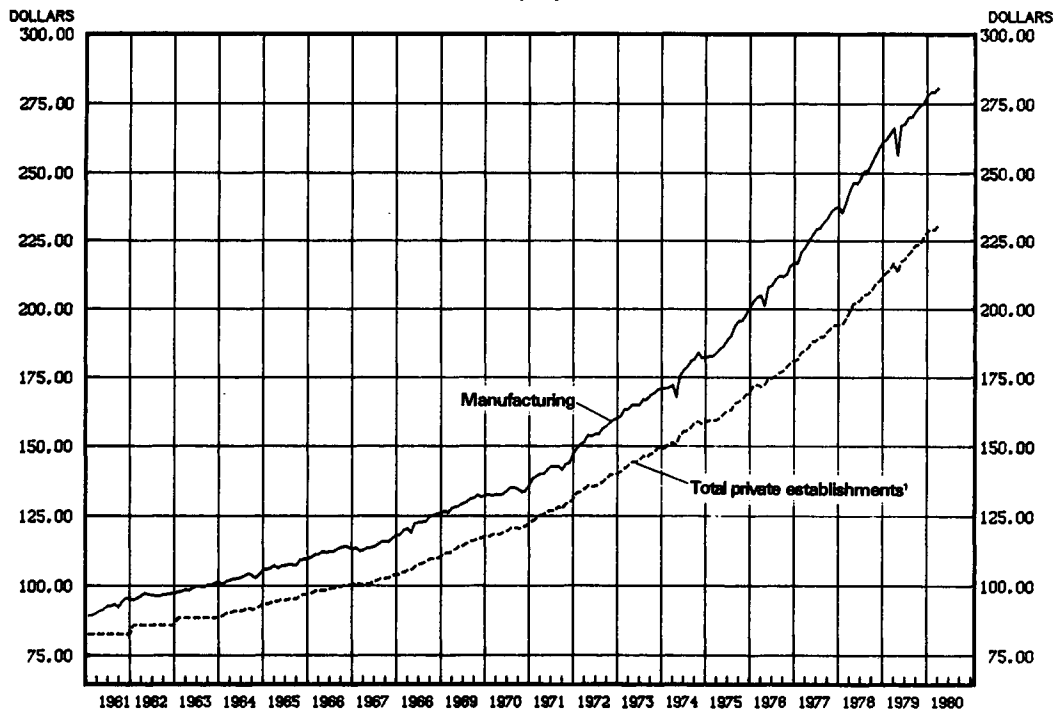
<sup>1</sup>Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

**Chart 15. Average weekly earnings in nonagricultural industries**

(Seasonally adjusted)



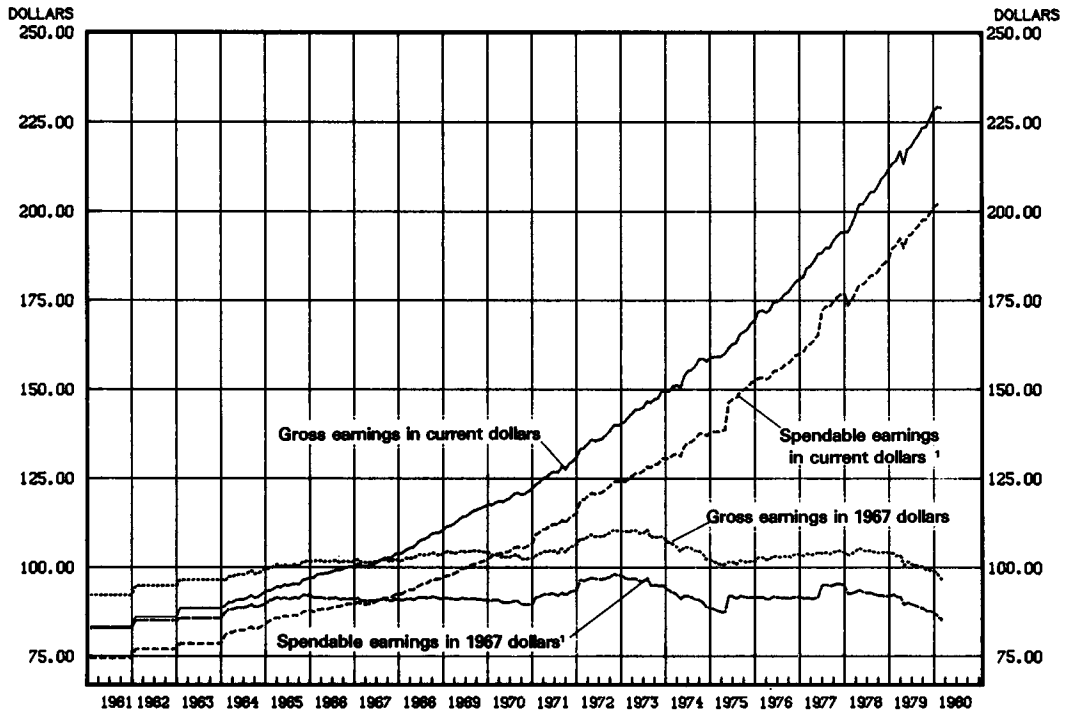
<sup>1</sup>Annual averages prior to 1964.

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)



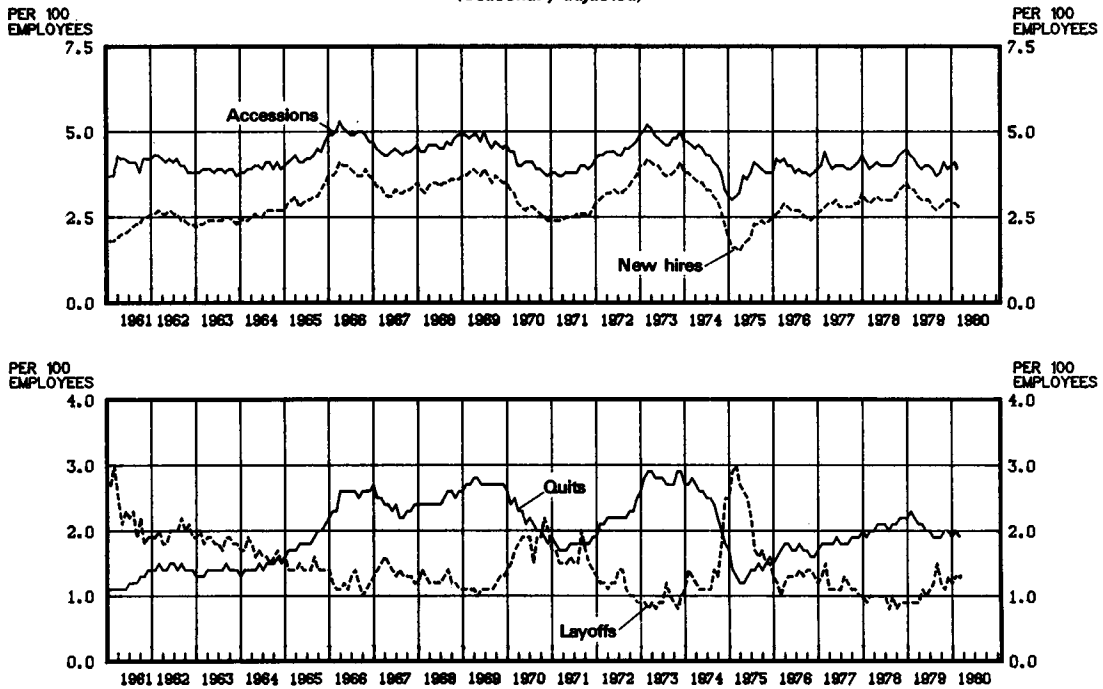
<sup>1</sup> Married worker with three dependents.

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

SOURCE: Table C-9.

**Chart 17. Labor turnover rates in manufacturing**

(Seasonally adjusted)



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date**

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
<b>Annual averages</b>										
<b>TOTAL</b>										
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	66,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,611	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 <sup>1</sup> .....	122,931	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 <sup>1</sup> .....	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973.....	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
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978.....	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1979:</b>										
March....	162,909	104,595	64.2	102,505	96,623	3,320	93,303	5,882	5.7	58,314
April....	163,008	104,280	64.0	102,198	96,254	3,215	93,039	5,944	5.8	58,728
May....	163,260	104,476	64.0	102,396	96,495	3,246	93,249	5,903	5.8	58,784
June....	163,469	104,552	64.0	102,476	96,652	3,243	93,409	5,824	5.7	58,917
July....	163,685	105,175	64.3	103,093	97,184	3,267	93,917	5,909	5.7	58,511
August...	163,891	105,218	64.2	103,128	97,004	3,315	93,689	6,124	5.9	58,673
September	164,106	105,586	64.3	103,494	97,504	3,364	94,140	5,990	5.8	58,519
October..	164,468	105,688	64.3	103,595	97,474	3,294	94,180	6,121	5.9	58,780
November.	164,682	105,744	64.2	103,652	97,608	3,385	94,223	6,044	5.8	58,937
December.	164,898	106,088	64.3	103,999	97,912	3,359	94,553	6,087	5.9	58,810
<b>1980:</b>										
January..	165,101	106,310	64.4	104,229	97,604	3,470	94,534	6,425	6.2	58,791
February.	165,298	106,346	64.3	104,260	97,953	3,326	94,626	6,307	6.0	58,951
March....	165,506	106,194	64.2	104,094	97,656	3,358	94,298	6,438	6.2	59,322

<sup>1</sup> Not strictly comparable with data for prior years. For an explanation, see "Historic Comparability" under the Household Data section of the Explanatory Notes.

<sup>2</sup> 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	
<b>MALES</b>										
<b>Annual averages</b>										
1967.....	64,316	52,396	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,608	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 <sup>1</sup> .....	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 <sup>1</sup> .....	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
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978.....	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979.....	78,397	61,466	78.4	59,517	56,499	2,645	53,854	3,018	5.1	16,931
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1979:</b>										
March....	78,058	61,376	78.6	59,421	56,449	2,656	53,793	2,972	5.0	16,682
April....	78,105	61,240	78.4	59,293	56,294	2,593	53,701	2,999	5.1	16,865
May.....	78,225	61,257	78.3	59,313	56,372	2,608	53,764	2,941	5.0	16,968
June.....	78,323	61,311	78.3	59,370	56,477	2,600	53,877	2,893	4.9	17,012
July.....	78,427	61,540	78.5	59,597	56,570	2,614	53,956	3,027	5.1	16,887
August...	78,525	61,437	78.2	59,491	56,408	2,650	53,758	3,083	5.2	17,088
September	78,627	61,759	78.5	59,812	56,714	2,677	54,037	3,098	5.2	16,867
October..	78,805	61,675	78.3	59,727	56,629	2,666	53,963	3,098	5.2	17,130
November..	78,906	61,652	78.1	59,704	56,580	2,716	53,864	3,124	5.2	17,255
December..	79,009	61,762	78.2	59,823	56,734	2,714	54,020	3,089	5.2	17,247
<b>1980:</b>										
January..	79,104	61,810	78.1	59,878	56,486	2,665	53,821	3,392	5.7	17,295
February..	79,196	61,951	78.2	60,014	56,732	2,702	54,029	3,283	5.5	17,245
March....	79,295	61,976	78.2	60,042	56,601	2,706	53,895	3,441	5.7	17,319
<b>Annual averages</b>										
<b>FEMALES</b>										
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 <sup>1</sup> .....	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 <sup>1</sup> .....	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	38,500	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 <sup>1</sup> .....	83,890	42,002	50.1	41,878	38,682	661	38,221	2,996	7.2	41,887
1979.....	85,223	43,531	51.1	43,391	40,446	652	39,794	2,945	6.8	41,692
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1979:</b>										
March....	84,851	43,220	50.9	43,084	40,174	664	39,510	2,910	6.8	41,632
April....	84,903	43,040	50.7	42,905	39,960	622	39,338	2,945	6.9	41,863
May.....	85,035	43,220	50.6	43,085	40,123	638	39,485	2,962	6.9	41,815
June.....	85,145	43,241	50.8	43,106	40,175	643	39,532	2,931	6.8	41,905
July.....	85,259	43,635	51.2	43,496	40,614	653	39,961	2,882	6.6	41,624
August...	85,306	43,782	51.3	43,637	40,596	665	39,931	3,041	7.0	41,585
September	85,479	43,827	51.3	43,682	40,790	687	40,103	2,892	6.6	41,652
October..	85,663	44,013	51.4	43,868	40,845	628	40,217	3,023	6.9	41,651
November..	85,775	44,093	51.4	43,948	41,028	669	40,359	2,920	6.6	41,683
December..	85,889	44,326	51.6	44,176	41,178	645	40,533	2,958	6.8	41,563
<b>1980:</b>										
January..	85,997	44,501	51.7	44,352	41,318	605	40,713	3,034	6.8	41,495
February..	86,102	44,396	51.6	44,246	41,221	624	40,597	3,025	6.8	41,706
March....	86,211	44,209	51.3	44,052	41,054	651	40,403	2,997	6.8	42,002

See footnote 1, table A-1.

<sup>2</sup> See footnote 2, table A-1.

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

[Numbers in thousands]

Sex, age, and race	March 1980										
	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					
<b>MALES</b>											
16 years and over .....	61,317	77.3	59,383	55,484	3,898	6.6	17,979	319	4,556	1,942	11,161
16 to 21 years .....	8,336	65.7	7,695	6,494	1,202	15.6	4,350	17	3,773	28	532
16 to 19 years .....	4,893	58.3	4,617	3,860	757	16.4	3,506	11	3,129	14	352
16 to 17 years .....	1,928	46.7	1,912	1,553	359	18.8	2,203	7	2,032	7	157
18 to 19 years .....	2,965	69.5	2,705	2,307	398	14.7	1,303	4	1,097	7	194
20 to 64 years .....	54,550	89.3	52,899	49,802	3,096	5.9	6,557	151	1,424	1,369	3,613
20 to 24 years .....	8,873	85.8	8,143	7,157	986	12.1	1,464	9	1,063	49	343
25 to 54 years .....	38,516	94.2	37,590	35,734	1,856	4.9	2,385	92	353	723	1,216
25 to 29 years .....	8,721	94.6	8,359	7,708	651	7.8	497	6	211	54	227
30 to 34 years .....	8,000	95.7	7,747	7,357	390	5.0	355	15	83	91	166
35 to 39 years .....	6,452	95.7	6,263	5,991	272	4.3	290	24	25	99	143
40 to 44 years .....	5,339	95.1	5,253	5,071	183	3.5	275	16	15	95	148
45 to 49 years .....	5,002	93.2	4,972	4,793	180	3.6	367	10	9	141	207
50 to 54 years .....	5,002	89.3	4,995	4,815	181	3.6	600	20	11	243	326
55 to 64 years .....	7,167	72.6	7,166	6,911	255	3.6	2,708	49	8	597	2,054
55 to 59 years .....	4,370	81.4	4,369	4,230	139	3.2	1,001	22	5	320	654
60 to 64 years .....	2,797	62.1	2,797	2,682	115	4.1	1,706	27	3	277	1,400
65 years and over .....	1,867	19.1	1,867	1,822	45	2.4	7,916	157	4	559	7,196
65 to 69 years .....	1,093	28.7	1,093	1,065	28	2.6	2,721	57	3	189	2,472
70 years and over .....	774	13.0	774	757	17	2.2	5,195	100	1	370	4,724
<b>White</b>											
16 years and over .....	54,552	78.2	53,053	49,913	3,140	5.9	15,187	251	3,621	1,536	9,780
16 to 21 years .....	7,349	68.3	6,871	5,909	962	14.0	3,405	11	2,986	20	387
16 to 19 years .....	4,371	61.6	4,165	3,554	611	14.7	2,725	8	2,449	10	259
16 to 17 years .....	1,760	50.7	1,747	1,445	301	17.2	1,711	7	1,584	4	116
18 to 19 years .....	2,611	72.0	2,418	2,108	310	12.8	1,015	1	865	6	143
20 to 64 years .....	48,488	90.1	47,196	44,700	2,495	5.3	5,352	101	1,170	1,082	2,999
20 to 24 years .....	7,701	86.8	7,156	6,370	786	11.0	1,169	5	894	34	236
25 to 54 years .....	34,204	94.9	33,459	31,966	1,492	4.5	1,846	55	271	564	957
25 to 29 years .....	14,747	95.8	14,263	13,439	824	5.8	651	21	228	110	293
30 to 34 years .....	10,505	96.1	10,275	9,902	373	3.6	427	16	29	145	238
35 to 44 years .....	8,953	92.1	8,921	8,626	295	3.3	768	19	14	309	426
55 to 64 years .....	6,583	73.8	6,582	6,364	218	3.3	2,337	41	5	484	1,807
55 to 59 years .....	4,002	82.7	4,000	3,881	120	3.0	839	16	3	256	564
60 to 64 years .....	2,581	63.3	2,581	2,483	98	3.8	1,498	26	2	228	1,242
65 years and over .....	1,692	19.2	1,692	1,659	34	2.0	7,110	142	2	444	6,522
<b>Black and other</b>											
16 years and over .....	6,765	70.8	6,330	5,571	758	12.0	2,791	68	936	406	1,381
16 to 21 years .....	987	51.1	825	584	240	29.1	946	6	787	8	145
16 to 19 years .....	522	40.1	452	306	146	32.3	781	4	680	4	93
16 to 17 years .....	168	25.4	165	107	58	35.0	493	--	448	3	42
18 to 19 years .....	354	55.1	287	199	88	30.8	288	4	232	1	51
20 to 64 years .....	6,068	83.4	5,702	5,102	600	10.5	1,204	49	255	287	614
20 to 24 years .....	1,172	79.9	987	787	200	20.3	295	4	169	15	107
25 to 54 years .....	4,312	88.9	4,132	3,768	364	8.8	539	37	83	159	259
25 to 29 years .....	1,973	90.7	1,843	1,626	216	11.7	202	--	66	35	100
30 to 34 years .....	1,287	90.3	1,242	1,160	81	6.6	138	25	11	49	53
35 to 44 years .....	1,051	84.1	1,047	981	66	6.3	199	12	6	75	106
55 to 64 years .....	584	61.2	584	547	37	6.3	371	8	3	113	247
55 to 59 years .....	368	69.4	368	349	19	5.3	162	7	2	64	90
60 to 64 years .....	216	50.8	216	198	18	8.1	209	1	1	49	157
65 years and over .....	175	17.8	175	163	12	6.6	806	15	1	115	674

# HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	March 1980										
	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					
<b>FEMALES</b>											
16 years and over .....	44,125	51.2	43,968	41,062	2,906	6.6	42,086	30,991	4,703	1,401	4,992
16 to 21 years .....	6,745	54.3	6,683	5,740	943	14.1	5,674	1,325	3,907	27	414
16 to 19 years .....	4,006	48.8	3,979	3,307	672	16.9	4,200	605	3,284	13	298
16 to 17 years .....	1,546	38.7	1,545	1,245	300	19.4	2,449	164	2,155	--	131
16 to 19 years .....	2,460	58.4	2,433	2,062	372	15.3	1,751	441	1,129	13	168
20 to 64 years .....	38,970	60.9	38,841	36,649	2,193	5.6	25,071	21,067	1,412	663	1,930
20 to 24 years .....	6,908	66.9	6,832	6,216	616	9.0	3,417	2,168	981	30	238
25 to 64 years .....	27,458	64.3	27,405	25,954	1,451	5.3	15,225	13,620	422	345	836
25 to 29 years .....	6,325	67.3	6,288	5,848	440	7.0	3,069	2,688	177	23	180
30 to 34 years .....	5,540	64.6	5,529	5,212	318	5.7	3,032	2,767	95	41	129
35 to 39 years .....	4,627	65.3	4,624	4,390	234	5.1	2,460	2,234	74	40	112
40 to 44 years .....	3,989	67.0	3,987	3,812	176	4.4	1,969	1,775	43	40	110
45 to 49 years .....	3,548	62.7	3,548	3,409	138	3.9	2,113	1,894	21	67	131
50 to 64 years .....	3,428	57.0	3,428	3,283	145	4.2	2,582	2,262	12	134	174
55 to 64 years .....	4,605	41.7	4,605	4,479	126	2.7	6,430	5,279	8	287	856
55 to 59 years .....	2,869	48.6	2,869	2,801	68	2.4	3,036	2,577	5	147	308
60 to 64 years .....	1,736	33.8	1,736	1,677	58	3.4	3,394	2,702	4	140	548
65 years and over .....	1,148	8.2	1,148	1,106	42	3.7	12,815	9,319	7	725	2,763
65 to 69 years .....	716	15.0	716	679	37	5.1	4,044	3,146	5	127	767
70 years and over .....	432	4.7	432	427	6	1.3	8,770	6,173	2	599	1,996
<b>White</b>											
16 years and over .....	38,267	51.0	38,151	35,932	2,218	5.8	36,724	27,662	3,654	1,071	4,336
16 to 21 years .....	5,957	57.1	5,912	5,184	728	12.3	4,483	1,067	3,083	14	319
16 to 19 years .....	3,578	52.0	3,559	3,033	526	14.8	3,308	484	2,587	7	229
16 to 17 years .....	1,408	42.1	1,407	1,160	247	17.6	1,932	135	1,702	--	95
16 to 19 years .....	2,171	61.2	2,152	1,873	279	13.0	1,376	349	885	7	134
20 to 64 years .....	33,668	60.7	33,571	31,914	1,657	4.9	21,793	18,596	1,059	490	1,648
20 to 24 years .....	5,993	68.7	5,936	5,496	440	7.4	2,726	1,775	750	20	182
25 to 64 years .....	23,558	63.9	23,518	22,413	1,106	4.7	13,281	12,022	304	260	695
25 to 29 years .....	10,066	65.5	10,031	9,481	550	5.5	5,297	4,813	185	53	246
30 to 34 years .....	7,391	65.6	7,387	7,061	326	4.4	3,881	3,544	93	62	183
35 to 44 years .....	6,102	59.8	6,101	5,871	230	3.8	4,103	3,665	26	145	266
55 to 64 years .....	4,116	41.6	4,116	4,005	111	2.7	5,785	4,798	5	210	772
55 to 59 years .....	2,555	48.3	2,555	2,497	58	2.3	2,729	2,344	3	106	276
60 to 64 years .....	1,561	33.8	1,561	1,509	53	3.4	3,056	2,454	2	104	496
65 years and over .....	1,021	8.1	1,021	986	35	3.5	11,623	8,582	8	574	2,459
<b>Black and other</b>											
16 years and over .....	5,858	52.2	5,817	5,129	688	11.8	5,363	3,329	1,048	330	656
16 to 21 years .....	788	39.8	771	556	216	27.9	1,191	258	824	13	95
16 to 19 years .....	428	32.4	420	274	146	34.7	892	120	696	6	70
16 to 17 years .....	139	21.2	139	86	53	38.0	517	29	453	--	36
16 to 19 years .....	289	43.5	282	189	93	33.0	375	92	244	6	34
20 to 64 years .....	5,302	61.8	5,270	4,735	535	10.2	3,279	2,472	352	172	282
20 to 24 years .....	915	57.0	895	720	175	19.6	691	393	231	11	56
25 to 64 years .....	3,898	66.7	3,885	3,541	345	8.9	1,943	1,598	119	85	141
25 to 29 years .....	1,799	69.1	1,787	1,579	208	11.6	804	642	87	11	63
30 to 44 years .....	1,225	69.1	1,224	1,141	83	6.8	547	464	25	18	40
45 to 64 years .....	874	59.6	874	821	53	6.1	592	491	7	55	39
55 to 64 years .....	489	43.1	489	473	16	3.2	645	481	3	77	84
55 to 59 years .....	315	50.6	315	305	10	3.2	307	233	1	41	32
60 to 64 years .....	174	34.0	174	169	5	3.1	338	248	2	36	52
65 years and over .....	127	9.6	127	120	7	5.4	1,191	736	--	152	304



## 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	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
<b>MALES</b>								
16 years and over	60,638	61,317	77.7	77.3	58,683	59,383	77.1	76.8
16 to 19 years	4,961	4,893	58.7	56.3	4,679	4,617	57.3	56.8
16 to 17 years	1,973	1,928	47.1	46.7	1,961	1,912	47.0	46.5
18 to 19 years	2,987	2,965	70.2	69.5	2,718	2,705	68.2	67.5
20 to 24 years	8,751	8,873	85.6	85.8	8,003	8,143	84.4	84.8
25 to 54 years	37,684	38,516	94.5	94.2	36,959	37,590	94.4	94.0
25 to 34 years	16,191	16,720	95.2	95.1	15,581	16,106	95.1	95.0
35 to 44 years	11,537	11,792	96.0	95.4	11,259	11,516	95.9	95.3
45 to 54 years	10,156	10,004	91.8	91.2	10,120	9,968	91.8	91.2
55 to 64 years	7,136	7,167	73.2	72.6	7,135	7,166	73.2	72.6
55 to 59 years	4,368	4,370	81.7	81.4	4,367	4,369	81.7	81.4
60 to 64 years	2,769	2,797	62.8	62.1	2,768	2,797	62.8	62.1
65 years and over	1,906	1,867	19.9	19.1	1,906	1,867	19.9	19.1
<b>White</b>								
16 years and over	53,888	54,552	78.4	78.2	52,337	53,053	77.9	77.7
16 to 19 years	4,387	4,371	61.3	61.6	4,169	4,165	60.1	60.4
16 to 17 years	1,781	1,760	50.4	50.7	1,771	1,747	50.3	50.5
18 to 19 years	2,606	2,611	71.9	72.0	2,398	2,418	70.2	70.4
20 to 24 years	7,558	7,701	85.9	86.8	6,983	7,156	84.9	86.0
25 to 54 years	33,695	34,204	95.2	94.9	32,938	33,459	95.1	94.8
25 to 34 years	14,326	14,747	95.9	95.8	13,835	14,263	95.8	95.6
35 to 44 years	10,273	10,505	96.6	96.1	10,039	10,275	96.5	96.0
45 to 54 years	9,096	8,953	92.6	92.1	9,064	8,921	92.6	92.1
55 to 64 years	6,523	6,583	74.0	73.8	6,522	6,582	73.9	73.8
55 to 59 years	3,992	4,002	82.8	82.7	3,991	4,000	82.8	82.7
60 to 64 years	2,531	2,581	63.3	63.3	2,531	2,581	63.3	63.3
65 years and over	1,726	1,692	20.0	19.2	1,726	1,692	20.0	19.2
<b>Black and other</b>								
16 years and over	6,750	6,765	72.7	70.8	6,346	6,330	71.4	69.4
16 to 19 years	574	522	44.5	40.1	510	452	41.6	36.7
16 to 17 years	192	168	29.3	25.4	191	165	29.1	25.1
18 to 19 years	382	354	60.4	55.1	319	287	56.0	49.9
20 to 24 years	1,193	1,172	83.6	79.9	1,021	987	81.3	77.0
25 to 54 years	4,190	4,312	89.4	86.9	4,022	4,132	89.0	88.5
25 to 34 years	1,865	1,973	90.2	90.7	1,747	1,843	89.6	90.1
35 to 44 years	1,264	1,287	91.5	90.3	1,219	1,242	91.2	90.0
45 to 54 years	1,060	1,051	85.7	84.1	1,056	1,047	85.7	84.1
55 to 64 years	613	584	65.7	61.2	613	584	65.7	61.2
55 to 59 years	375	368	71.2	69.4	375	368	71.2	69.4
60 to 64 years	238	216	50.6	50.6	238	216	50.6	50.8
65 years and over	160	175	19.0	17.8	180	175	19.0	17.8

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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	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
<b>FEMALES</b>								
16 years and over	43,118	44,125	50.8	51.2	42,982	43,968	50.7	51.1
16 to 19 years	4,215	4,006	51.0	48.9	4,193	3,979	50.9	48.6
16 to 17 years	1,711	1,546	42.2	38.7	1,711	1,545	42.2	38.7
18 to 19 years	2,504	2,460	59.5	58.4	2,482	2,433	59.3	58.2
20 to 24 years	7,042	6,908	69.0	66.9	6,973	6,832	68.8	66.7
25 to 54 years	26,022	27,458	62.2	64.3	25,978	27,405	62.1	64.3
25 to 34 years	11,048	11,865	63.6	66.0	11,009	11,818	63.5	66.0
35 to 44 years	8,003	8,616	63.6	66.0	8,059	8,612	63.6	66.0
45 to 54 years	6,911	6,976	58.6	59.8	6,910	6,975	58.6	59.8
55 to 64 years	4,655	4,605	42.7	41.7	4,655	4,605	42.7	41.7
55 to 59 years	2,909	2,869	49.5	48.6	2,909	2,869	49.5	48.6
60 to 64 years	1,747	1,736	34.8	33.8	1,747	1,736	34.8	33.8
65 years and over	1,183	1,148	8.7	8.2	1,183	1,148	8.7	8.2
<b>White</b>								
16 years and over	37,326	38,267	50.5	51.0	37,220	38,151	50.4	51.0
16 to 19 years	3,786	3,578	54.5	52.0	3,769	3,559	54.4	51.8
16 to 17 years	1,560	1,408	45.9	42.1	1,560	1,407	45.9	42.1
18 to 19 years	2,226	2,171	62.7	61.2	2,209	2,152	62.6	61.0
20 to 24 years	6,063	5,993	70.1	68.7	6,009	5,936	70.0	68.5
25 to 54 years	22,301	23,558	61.6	63.9	22,267	23,518	61.6	63.9
25 to 34 years	9,369	10,066	62.9	65.5	9,339	10,031	62.8	65.4
35 to 44 years	6,898	7,351	62.9	65.6	6,895	7,387	62.9	65.6
45 to 54 years	6,034	6,102	58.3	59.8	6,033	6,101	58.3	59.8
55 to 64 years	4,152	4,116	42.4	41.6	4,152	4,116	42.4	41.6
55 to 59 years	2,584	2,555	49.1	48.3	2,584	2,555	49.1	48.3
60 to 64 years	1,568	1,561	34.6	33.8	1,568	1,561	34.6	33.8
65 years and over	1,023	1,021	8.3	8.1	1,023	1,021	8.3	8.1
<b>Black and other</b>								
16 years and over	5,792	5,858	53.1	52.2	5,762	5,817	53.0	52.0
16 to 19 years	429	428	32.7	32.4	424	420	32.4	32.0
16 to 17 years	151	139	23.1	21.2	151	139	23.0	21.1
18 to 19 years	278	289	42.2	43.5	273	282	41.8	42.9
20 to 24 years	979	915	62.4	57.0	964	895	62.1	56.5
25 to 54 years	3,721	3,898	65.9	66.7	3,711	3,885	65.9	66.6
25 to 34 years	1,678	1,799	67.6	69.1	1,669	1,787	67.5	69.0
35 to 44 years	1,105	1,225	68.0	69.1	1,165	1,224	68.0	69.1
45 to 54 years	877	874	60.6	59.6	877	874	60.6	59.6
55 to 64 years	503	489	45.7	43.1	503	489	45.7	43.1
55 to 59 years	325	315	53.0	50.6	325	315	53.0	50.6
60 to 64 years	178	174	36.5	34.0	178	174	36.5	34.0
65 years and over	160	127	12.5	9.6	160	127	12.5	9.6

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

[Numbers in thousands]

Sex and age	March 1980						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>							
16 years and over .....	10,288	8,978	207	8,771	1,310	12.7	7,012
16 to 19 years .....	740	471	8	462	270	36.4	1,482
16 to 17 years .....	250	151	4	148	98	39.3	903
18 to 19 years .....	491	319	5	315	171	34.9	579
20 to 24 years .....	1,610	1,264	27	1,237	346	21.5	846
25 to 54 years .....	6,752	6,117	135	5,982	635	9.4	2,029
25 to 34 years .....	3,051	2,672	41	2,631	379	12.4	775
35 to 44 years .....	2,084	1,934	51	1,883	150	7.2	579
45 to 54 years .....	1,617	1,511	43	1,468	106	6.6	675
55 to 64 years .....	919	874	23	851	45	4.9	913
65 to 59 years .....	582	559	15	544	23	3.9	419
60 to 64 years .....	337	315	8	307	22	6.4	495
65 years and over .....	267	252	14	238	15	5.8	1,741
<b>Males</b>							
16 years and over .....	5,344	4,655	181	4,474	689	12.9	2,411
16 to 19 years .....	390	253	6	246	138	35.4	684
16 to 17 years .....	138	85	2	84	52	37.7	441
18 to 19 years .....	253	167	5	163	85	33.6	243
20 to 24 years .....	845	663	23	641	182	21.5	244
25 to 54 years .....	3,467	3,137	117	3,020	330	9.5	456
25 to 34 years .....	1,535	1,340	34	1,306	195	12.7	156
35 to 44 years .....	1,046	972	42	930	74	7.1	126
45 to 54 years .....	886	825	41	784	61	6.9	174
55 to 64 years .....	495	463	22	441	32	6.5	339
65 to 59 years .....	314	299	15	284	15	4.8	146
60 to 64 years .....	181	164	6	158	17	9.4	194
65 years and over .....	147	138	14	125	8	5.4	687
<b>Females</b>							
16 years and over .....	4,944	4,323	26	4,297	621	12.6	4,601
16 to 19 years .....	350	218	2	216	132	37.7	798
16 to 17 years .....	112	66	2	64	46	41.1	462
18 to 19 years .....	238	152	--	152	86	36.0	336
20 to 24 years .....	765	601	4	596	164	21.5	602
25 to 54 years .....	3,285	2,980	18	2,962	305	9.3	1,573
25 to 34 years .....	1,516	1,332	7	1,325	184	12.2	619
35 to 44 years .....	1,038	962	9	953	76	7.3	453
45 to 54 years .....	731	686	2	684	45	6.2	501
55 to 64 years .....	424	411	1	410	13	3.0	574
65 to 59 years .....	268	260	--	260	8	2.9	273
60 to 64 years .....	156	151	2	149	5	3.2	301
65 years and over .....	120	114	--	113	7	5.6	1,054

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 race, sex, and age

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
<b>TOTAL</b>								
Total noninstitutional population .....	162,909	165,506	69,612	70,896	76,589	78,005	16,709	16,606
Total labor force .....	103,756	105,441	55,677	56,423	38,902	40,118	9,176	8,900
Percent of population .....	63.7	63.7	80.0	79.6	50.8	51.4	54.9	53.6
Civilian labor force .....	101,665	103,351	54,004	54,766	38,790	39,989	8,871	8,596
Employed .....	95,501	96,546	51,487	51,624	36,592	37,755	7,422	7,167
Agriculture .....	2,925	2,962	2,176	2,217	478	471	271	274
Nonagricultural industries .....	92,576	93,584	49,310	49,407	36,114	37,283	7,152	6,893
Unemployed .....	6,165	6,805	2,518	3,141	2,197	2,235	1,449	1,429
Percent of labor force .....	6.1	6.6	4.7	5.7	5.7	5.6	16.3	16.6
Not in labor force .....	59,153	60,065	13,934	14,473	37,686	37,886	7,533	7,706
<b>White</b>								
Total noninstitutional population .....	142,720	144,730	61,615	62,642	66,999	68,105	14,106	13,982
Total labor force .....	91,214	92,819	49,502	50,180	33,539	34,689	8,173	7,950
Percent of population .....	63.9	64.1	80.3	80.1	50.1	50.9	57.9	56.9
Civilian labor force .....	89,558	91,204	48,168	48,888	33,452	34,592	7,938	7,723
Employed .....	84,770	85,845	46,221	46,359	31,765	32,900	6,784	6,587
Agriculture .....	2,640	2,698	1,940	1,998	444	440	256	261
Nonagricultural industries .....	82,131	83,147	44,281	44,361	31,321	32,460	6,529	6,326
Unemployed .....	4,788	5,358	1,947	2,529	1,687	1,692	1,153	1,137
Percent of labor force .....	5.3	5.9	4.0	5.2	5.0	4.9	14.5	14.7
Not in labor force .....	51,506	51,911	12,113	12,462	33,460	33,416	5,933	6,033
<b>Black and other</b>								
Total noninstitutional population .....	20,189	20,777	7,997	8,253	9,590	9,900	2,603	2,624
Total labor force .....	12,541	12,623	6,176	6,243	5,363	5,429	1,003	950
Percent of population .....	62.1	60.8	77.2	75.6	55.9	54.8	38.5	36.2
Civilian labor force .....	12,108	12,147	5,836	5,877	5,338	5,397	934	873
Employed .....	10,731	10,701	5,266	5,265	4,827	4,855	638	581
Agriculture .....	285	264	236	219	34	32	15	13
Nonagricultural industries .....	10,446	10,437	5,029	5,046	4,793	4,823	623	567
Unemployed .....	1,377	1,446	571	612	510	542	296	292
Percent of labor force .....	11.4	11.9	9.8	10.4	9.6	10.0	31.7	33.5
Not in labor force .....	7,648	8,154	1,821	2,010	4,227	4,470	1,600	1,673

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

(Numbers in thousands)

Employment status	March 1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
<b>TOTAL</b>									
Total noninstitutional population .....	25,106	12,687	12,420	21,195	10,754	10,441	3,912	1,933	1,979
Total labor force .....	15,082	8,336	6,745	13,307	7,349	5,957	1,775	987	788
Percent of population .....	60.1	65.7	54.3	62.8	68.3	57.1	45.4	51.1	39.8
Civilian labor force .....	14,378	7,695	6,683	12,783	6,871	5,912	1,596	825	771
Employed .....	12,234	6,494	5,740	11,093	5,909	5,184	1,140	584	556
Agriculture .....	403	349	59	389	333	55	20	16	3
Nonagricultural industries .....	11,825	6,144	5,681	10,705	5,576	5,129	1,121	568	552
Unemployed .....	2,145	1,202	943	1,689	962	728	456	240	216
Looking for full-time work .....	1,321	768	553	1,022	607	415	299	162	137
Looking for part-time work .....	824	433	391	667	355	312	157	78	78
Percent of labor force .....	14.9	15.6	14.1	13.2	14.0	12.3	28.6	29.1	27.9
Not in labor force .....	10,025	4,350	5,674	7,888	3,405	4,483	2,137	946	1,191
<b>Major activity: going to school</b>									
Civilian labor force .....	4,413	2,393	2,021	3,971	2,166	1,806	442	227	215
Employed .....	3,634	1,953	1,680	3,356	1,815	1,541	278	138	140
Agriculture .....	127	105	22	124	101	23	3	3	--
Nonagricultural industries .....	3,507	1,849	1,658	3,232	1,714	1,518	275	135	140
Unemployed .....	780	439	340	616	350	265	164	89	75
Looking for full-time work .....	79	39	40	49	27	22	30	12	18
Looking for part-time work .....	700	400	300	566	323	243	134	77	57
Percent of labor force .....	17.7	18.4	16.8	15.5	16.2	14.7	37.1	39.2	35.0
Not in labor force .....	7,600	3,773	3,907	6,069	2,986	3,083	1,611	787	824
<b>Major activity: other</b>									
Civilian labor force .....	9,965	5,303	4,663	8,811	4,705	4,106	1,154	598	557
Employed .....	8,600	4,540	4,060	7,737	4,094	3,644	863	446	416
Agriculture .....	281	245	37	264	232	32	17	13	4
Nonagricultural industries .....	8,319	4,295	4,023	7,473	3,862	3,611	846	434	412
Unemployed .....	1,365	763	603	1,074	611	462	292	151	140
Looking for full-time work .....	1,242	729	512	973	580	393	269	150	119
Looking for part-time work .....	124	33	90	101	32	69	22	1	21
Percent of labor force .....	13.7	14.4	12.9	12.2	13.0	11.3	25.3	25.3	25.2
Not in labor force .....	2,344	577	1,767	1,819	418	1,400	526	159	367

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

(Numbers in thousands)

Race, sex, and age	March 1980								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Both sexes, 16 years and over.....	80,933	78,006	3,528	5,399	6.2	16,418	15,012	1,406	8.6
16 to 21 years.....	8,356	6,314	721	1,321	15.8	6,022	5,198	824	13.7
16 to 19 years.....	3,888	2,778	398	712	18.3	4,708	3,991	717	15.2
16 to 17 years.....	602	345	91	166	27.5	2,856	2,362	493	17.3
18 to 19 years.....	3,286	2,433	307	546	16.6	1,852	1,629	223	12.1
20 years and over.....	83,045	75,228	3,130	4,687	5.6	11,710	11,021	689	5.9
20 to 24 years.....	12,594	10,462	732	1,400	11.1	2,381	2,180	202	8.5
25 years and over.....	70,451	64,766	2,398	3,287	4.7	9,328	8,842	488	5.2
25 to 54 years.....	58,607	53,725	1,959	2,924	5.0	6,387	6,005	383	6.0
55 years and over.....	11,844	11,040	440	363	3.1	2,941	2,837	104	3.5
<b>Males, 16 years and over.....</b>	<b>53,848</b>	<b>48,787</b>	<b>1,719</b>	<b>3,341</b>	<b>6.2</b>	<b>5,535</b>	<b>4,978</b>	<b>558</b>	<b>10.1</b>
16 to 21 years.....	4,652	3,538	346	768	16.5	3,043	2,610	433	14.2
16 to 19 years.....	2,172	1,614	179	379	17.4	2,445	2,067	378	15.5
16 to 17 years.....	51,675	47,173	1,540	2,962	5.7	3,090	2,911	179	5.8
20 years and over.....	7,124	5,846	374	905	12.7	1,019	937	82	8.0
20 to 24 years.....	44,552	41,328	1,166	2,058	4.6	2,071	1,974	98	4.7
25 years and over.....	36,779	34,062	922	1,797	4.9	810	751	59	7.3
25 to 54 years.....	7,772	7,265	245	261	3.4	1,261	1,223	38	3.0
55 years and over.....									
<b>Females, 16 years and over.....</b>	<b>33,085</b>	<b>29,218</b>	<b>1,809</b>	<b>2,058</b>	<b>6.2</b>	<b>10,883</b>	<b>10,035</b>	<b>848</b>	<b>7.8</b>
16 to 21 years.....	3,704	2,776	375	553	14.9	2,979	2,589	391	13.1
16 to 19 years.....	1,716	1,164	218	333	19.4	2,263	1,925	338	14.9
16 to 17 years.....	51,675	47,173	1,540	2,962	5.7	3,090	2,911	179	5.8
20 years and over.....	7,124	5,846	374	905	12.7	1,019	937	82	8.0
20 to 24 years.....	44,552	41,328	1,166	2,058	4.6	2,071	1,974	98	4.7
25 years and over.....	36,779	34,062	922	1,797	4.9	810	751	59	7.3
25 to 54 years.....	7,772	7,265	245	261	3.4	1,261	1,223	38	3.0
55 years and over.....									
<b>White</b>									
<b>Males, 16 years and over.....</b>	<b>48,073</b>	<b>43,931</b>	<b>1,466</b>	<b>2,682</b>	<b>5.6</b>	<b>4,975</b>	<b>4,517</b>	<b>458</b>	<b>9.2</b>
16 to 21 years.....	4,122	3,213	302	607	14.7	2,749	2,394	355	12.9
16 to 19 years.....	1,961	1,499	160	303	15.4	2,203	1,895	308	14.0
16 to 17 years.....	46,117	42,432	1,306	2,379	5.2	2,772	2,621	150	5.4
20 years and over.....	6,247	5,216	314	716	11.5	909	839	70	7.7
20 to 24 years.....	39,870	37,215	991	1,663	4.2	1,862	1,782	80	4.3
25 years and over.....	32,760	30,540	773	1,447	4.4	699	653	45	6.4
25 to 54 years.....	7,110	6,675	219	216	3.0	1,164	1,129	35	3.0
55 years and over.....									
<b>Females, 16 years and over.....</b>	<b>28,248</b>	<b>25,276</b>	<b>1,447</b>	<b>1,525</b>	<b>5.4</b>	<b>9,903</b>	<b>9,209</b>	<b>694</b>	<b>7.0</b>
16 to 21 years.....	3,228	2,483	329	415	12.9	2,684	2,372	312	11.6
16 to 19 years.....	1,525	1,072	198	255	16.7	2,033	1,763	271	13.3
16 to 17 years.....	26,722	24,204	1,249	1,269	4.8	7,870	7,447	423	5.4
20 years and over.....	4,701	4,061	294	346	7.4	1,236	1,141	95	7.7
20 to 24 years.....	22,022	20,143	955	924	4.2	6,634	6,306	328	4.9
25 years and over.....	18,365	16,730	804	832	4.5	5,154	4,879	275	5.3
25 to 54 years.....	3,657	3,413	151	92	2.5	1,480	1,427	53	3.6
55 years and over.....									
<b>Black and other</b>									
<b>Males, 16 years and over.....</b>	<b>5,770</b>	<b>4,857</b>	<b>254</b>	<b>659</b>	<b>11.4</b>	<b>560</b>	<b>461</b>	<b>99</b>	<b>17.7</b>
16 to 21 years.....	530	325	44	162	30.5	294	216	78	26.6
16 to 19 years.....	211	115	20	76	36.1	242	171	70	29.1
16 to 17 years.....	5,559	4,742	234	583	10.5	319	290	29	9.1
20 years and over.....	877	629	59	188	21.5	110	99	12	10.6
20 to 24 years.....	4,681	4,113	175	394	8.4	209	191	17	8.1
25 years and over.....	4,020	3,522	149	350	8.7	111	97	14	12.6
25 to 54 years.....	661	591	26	45	6.8	98	93	3	3.1
55 years and over.....									
<b>Females, 16 years and over.....</b>	<b>4,837</b>	<b>3,942</b>	<b>362</b>	<b>533</b>	<b>11.0</b>	<b>980</b>	<b>825</b>	<b>154</b>	<b>15.8</b>
16 to 21 years.....	476	293	46	137	28.8	295	217	78	26.6
16 to 19 years.....	190	92	20	78	41.0	230	162	68	29.4
16 to 17 years.....	4,647	3,850	341	455	9.8	750	663	87	11.6
20 years and over.....	769	555	64	150	19.5	126	101	25	20.0
20 to 24 years.....	3,878	3,296	277	305	7.9	625	562	62	9.9
25 years and over.....	3,462	2,933	233	295	8.5	424	374	49	11.6
25 to 54 years.....	415	363	44	10	2.4	201	188	13	6.5
55 years and over.....									

<sup>1</sup> 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. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	March 1980									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over . . . . .	103,351	63.2	96,546	6,805	6.6	60,065	31,310	9,259	3,343	16,153
Husbands <sup>1</sup> . . . . .	40,800	80.9	39,124	1,676	4.1	9,655	145	208	1,291	8,010
With employed wife . . . . .	21,289	92.0	20,524	765	3.6	1,859	33	87	415	1,324
With unemployed wife . . . . .	1,098	92.0	962	136	12.4	96	--	7	18	70
With wife not in labor force . . . . .	16,824	70.0	16,166	658	3.9	7,210	88	78	781	6,263
Wives . . . . .	24,342	50.3	23,148	1,194	4.9	24,034	21,516	282	410	1,826
With employed husband . . . . .	21,486	57.1	20,524	962	4.5	16,166	15,095	228	150	691
With unemployed husband . . . . .	901	57.8	765	136	15.1	658	608	17	9	23
With husband not in labor force . . . . .	1,955	21.3	1,859	96	4.9	7,210	5,813	36	251	1,110
Relatives in husband-wife families . . . . .	13,689	59.3	11,911	1,778	13.0	9,401	1,183	6,250	449	1,519
16-19 years . . . . .	6,085	52.9	5,180	905	14.9	5,416	149	4,850	19	399
20-24 years . . . . .	4,950	73.5	4,337	612	12.4	1,781	175	1,284	45	277
25 years and over . . . . .	2,654	54.6	2,394	261	9.8	2,204	859	116	385	843
Women who head families . . . . .	5,062	59.2	4,623	439	8.7	3,489	2,728	125	189	447
Relatives in female-headed families . . . . .	4,087	53.2	3,408	678	16.6	3,597	763	1,735	312	789
16-19 years . . . . .	1,313	44.8	997	316	24.1	1,616	99	1,336	5	176
20-24 years . . . . .	1,205	67.7	996	209	17.3	573	110	325	22	117
25 years and over . . . . .	1,569	52.7	1,415	153	9.8	1,408	554	74	285	496
Persons not living in families <sup>2</sup> . . . . .	15,371	60.9	14,332	1,040	6.8	9,889	4,975	659	692	3,562

<sup>1</sup> Includes a small number of single, separated, widowed, or divorced men who head families.

<sup>2</sup> Individuals living alone or with unrelated persons plus a small number of persons in secondary families.

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	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
	Total, 16 years and over . . . . .	3,336	3,898	5.7	6.6	2,829	2,906	6.6
Married, spouse present . . . . .	1,274	1,646	3.2	4.1	1,225	1,260	5.1	5.1
Widowed, divorced, or separated . . . . .	302	387	6.8	8.1	540	549	6.7	6.5
Single (never married) . . . . .	1,759	1,865	12.5	12.8	1,063	1,097	9.7	10.0
White, 16 years and over . . . . .	2,597	3,140	5.0	5.9	2,191	2,218	5.9	5.8
Married, spouse present . . . . .	1,074	1,430	2.9	3.9	1,054	1,071	4.9	4.9
Widowed, divorced, or separated . . . . .	204	282	5.7	7.1	407	394	6.3	5.8
Single (never married) . . . . .	1,319	1,428	10.8	11.3	730	754	7.9	8.1
Black and other, 16 years and over . . . . .	739	758	11.6	12.0	638	688	11.1	11.8
Married, spouse present . . . . .	201	216	5.6	6.1	171	190	7.0	7.6
Widowed, divorced, or separated . . . . .	98	105	11.0	12.3	133	155	8.3	9.5
Single (never married) . . . . .	440	438	23.4	22.8	333	343	19.7	20.2
Total, 20 to 64 years of age . . . . .	2,430	3,096	4.7	5.9	2,147	2,193	5.7	5.6
Married, spouse present . . . . .	1,198	1,575	3.1	4.1	1,127	1,159	4.9	4.9
Widowed, divorced, or separated . . . . .	277	376	6.6	8.3	498	515	6.8	6.7
Single (never married) . . . . .	956	1,146	10.0	11.4	522	519	7.3	7.1
White, 20 to 64 years of age . . . . .	1,873	2,495	4.0	5.3	1,652	1,657	5.1	4.9
Married, spouse present . . . . .	1,005	1,367	2.9	3.9	967	980	4.7	4.6
Widowed, divorced, or separated . . . . .	187	274	5.6	7.3	377	369	6.5	6.0
Single (never married) . . . . .	682	855	8.3	10.0	308	309	5.3	5.2
Black and other, 20 to 64 years of age . . . . .	558	600	9.9	10.5	495	535	9.6	10.2
Married, spouse present . . . . .	194	208	5.7	6.1	160	179	6.8	7.4
Widowed, divorced, or separated . . . . .	90	102	10.6	12.5	120	146	8.0	9.5
Single (never married) . . . . .	274	291	19.9	19.7	215	211	16.4	16.1

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
Total, 16 years and over	6,165	6,805	6.1	6.6	5.7	6.6	6.6	6.6
White-collar workers	1,688	1,727	3.3	3.3	2.3	2.5	4.2	4.0
Professional and technical	290	310	1.9	1.9	1.6	1.7	2.2	2.2
Managers and administrators, except farm	237	286	2.2	2.6	1.9	2.1	3.2	3.9
Sales workers	270	266	4.3	4.2	3.0	3.3	5.9	5.4
Clerical workers	892	865	4.8	4.6	4.6	4.1	4.9	4.7
Blue-collar workers	2,633	3,228	7.8	9.5	7.1	9.2	10.8	11.2
Craft and kindred workers	769	929	5.8	7.0	5.8	7.0	7.4	6.9
Carpenters and other construction craft	439	552	11.1	13.4	11.1	13.2	(1)	(1)
All other	330	377	3.6	4.1	3.3	4.0	7.0	5.6
Operatives, except transport	1,033	1,195	8.7	10.3	6.7	9.0	11.7	12.1
Transport equipment operatives	238	307	6.3	8.1	6.6	8.4	3.0	4.3
Nonfarm laborers	593	796	12.3	15.7	12.4	16.0	12.1	13.7
Construction laborers	236	279	24.5	26.8	24.1	26.5	(1)	(1)
All other	357	517	9.3	12.8	9.1	12.9	10.6	12.3
Service workers	1,013	995	7.3	7.1	7.7	7.5	7.1	7.0
Private household	50	47	4.4	4.5	(1)	(1)	4.4	4.6
All other	963	948	7.6	7.4	7.7	7.5	7.5	7.3
Farm workers	113	139	4.4	5.4	4.1	4.6	6.2	9.7
No previous work experience	717	715	--	--	--	--	--	--
16 to 19 years	518	511	--	--	--	--	--	--
20 to 24 years	125	136	--	--	--	--	--	--
25 years and over	75	68	--	--	--	--	--	--

<sup>1</sup> 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	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
Total, 16 years and over	100.0	100.0	6.1	6.6	5.7	6.6	6.6	6.6
Nonagricultural private wage and salary workers	75.0	76.3	6.2	6.9	5.8	7.1	6.7	6.6
Mining	.9	.8	6.5	6.2	6.5	6.6	7.0	3.4
Construction	11.2	13.3	14.3	18.2	14.9	18.9	8.1	9.8
Manufacturing	21.2	24.3	5.7	7.1	4.3	6.0	8.9	9.6
Durable goods	11.2	14.6	4.9	7.1	4.2	6.3	7.2	9.2
Lumber and wood products	.8	1.5	7.1	15.9	7.1	14.7	7.0	22.7
Furniture and fixtures	.8	.8	8.3	9.4	9.1	9.2	7.0	9.8
Stone, clay, and glass products	.7	.8	6.3	7.6	6.1	7.3	7.7	9.2
Primary metal industries	.6	1.5	2.7	7.4	2.6	6.6	3.7	13.4
Fabricated metal products	1.7	1.6	6.6	6.7	5.7	5.7	10.1	10.1
Machinery, except electrical equipment	1.1	1.2	2.3	2.9	1.8	2.4	4.5	4.8
Electrical equipment	2.4	2.0	6.1	5.4	4.0	4.3	9.0	6.7
Transportation equipment	1.9	4.0	4.7	11.7	4.4	10.7	6.1	16.3
Automobiles	1.1	3.0	4.9	16.4	4.9	14.7	5.2	24.8
Other transportation equipment	.8	1.0	4.4	6.1	3.8	6.2	7.8	6.0
Instruments and related products	.3	.5	3.1	5.3	1.1	3.5	5.2	7.2
Other durable goods industries	.9	.7	7.3	6.7	6.9	3.0	7.8	11.4
Nondurable goods	10.0	9.7	7.0	7.2	4.5	5.3	10.5	10.0
Food and kindred products	3.0	2.5	10.0	9.1	6.5	6.4	17.5	14.8
Textile mill products	1.1	.8	8.3	6.8	4.4	4.1	12.5	9.5
Apparel and other textile products	2.3	1.8	10.4	9.1	10.4	7.4	10.4	9.6
Paper and allied products	.4	.8	3.1	7.0	2.8	7.6	4.3	5.0
Printing and publishing	1.2	1.4	4.9	6.3	4.7	5.1	5.1	7.9
Chemicals and allied products	.5	1.0	2.6	4.9	2.1	3.3	4.1	9.3
Rubber and plastics products	.6	.8	5.2	7.2	1.4	5.2	11.5	10.7
Other nondurable goods industries	.9	.5	8.7	6.4	5.6	3.3	13.6	10.4
Transportation and public utilities	3.7	3.3	4.3	4.1	4.5	4.2	3.8	3.9
Railroads and railway express	.3	.4	3.6	5.0	4.0	5.1	(1)	(1)
Other transportation	2.7	2.0	6.6	5.5	6.7	5.6	6.1	5.1
Communication and other public utilities	.7	.8	1.9	2.4	1.5	1.9	2.6	3.3
Wholesale and retail trade	20.4	18.6	6.8	6.8	5.6	5.9	8.2	7.7
Finance, insurance, and real estate	2.7	2.6	3.1	3.3	2.1	3.3	3.8	3.3
Service industries	14.7	13.4	5.3	5.3	5.7	6.1	5.0	4.8
Professional services	6.2	5.3	3.9	3.5	3.5	3.7	4.0	3.4
All other service industries	8.5	8.1	7.3	8.0	7.8	8.4	6.8	7.7
Agricultural wage and salary workers	2.3	2.8	10.5	13.4	10.2	12.3	11.9	17.9
All other classes of workers	11.1	10.3	2.7	2.8	2.5	2.6	3.1	2.9
No previous work experience	11.6	10.5	--	--	--	--	--	--

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



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	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
<b>UNEMPLOYMENT LEVEL</b>												
Total unemployed, in thousands.....	6,165	6,805	2,518	3,141	2,197	2,235	1,449	1,429	4,788	5,358	1,377	1,446
Job losers.....	2,848	3,522	1,671	2,250	836	939	341	333	2,241	2,800	607	722
On layoff.....	986	1,404	591	937	291	369	104	98	864	1,182	122	222
Other job losers.....	1,862	2,118	1,080	1,313	545	570	237	235	1,377	1,618	485	500
Job leavers.....	855	780	311	324	394	325	149	131	712	655	143	124
Reentrants.....	1,745	1,787	461	492	842	842	442	454	1,326	1,408	418	379
New entrants.....	717	716	74	76	125	129	518	511	508	495	209	221
<b>PERCENT DISTRIBUTION</b>												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	46.2	51.7	66.4	71.6	38.1	42.0	23.5	23.3	46.8	52.3	44.1	49.9
On layoff.....	16.0	20.6	23.5	29.8	13.3	16.5	7.2	6.8	18.0	22.1	8.9	15.4
Other job losers.....	30.2	31.1	42.9	41.8	24.8	25.5	16.3	16.5	28.8	30.2	35.2	34.5
Job leavers.....	13.9	11.5	12.4	10.3	17.9	14.5	10.3	9.2	14.9	12.2	10.4	8.6
Reentrants.....	28.3	26.3	18.3	15.6	38.3	37.7	30.5	31.8	27.7	26.3	30.4	26.2
New entrants.....	11.6	10.5	2.9	2.4	5.7	5.8	35.7	35.8	10.6	9.2	15.2	15.3
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate.....	6.1	6.6	4.7	5.7	5.7	5.6	16.3	16.6	5.3	5.9	11.4	11.9
Job loser rate <sup>1</sup> .....	2.8	3.4	3.1	4.1	2.2	2.3	3.9	3.8	2.5	3.1	5.0	5.9
On layoff.....	.8	.8	.6	.6	1.0	.8	1.7	1.5	.8	.7	1.2	1.0
Other job losers.....	1.7	1.7	.9	.9	2.2	2.1	5.0	5.3	1.5	1.5	3.5	3.1
Job leavers.....	.7	.7	.1	.1	.3	.3	5.8	5.9	.6	.5	1.7	1.8

<sup>1</sup> 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	March 1980						
	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
<b>Total, 16 years and over.....</b>	6,805	100.0	40.0	35.7	24.3	14.5	9.7
Job losers.....	3,522	100.0	31.4	39.6	29.0	18.4	10.6
On layoff.....	1,404	100.0	35.4	40.1	24.6	19.4	5.2
Other job losers.....	2,118	100.0	28.8	39.3	31.9	17.8	14.1
Job leavers.....	780	100.0	49.1	30.2	20.7	11.2	9.4
Reentrants.....	1,787	100.0	50.6	31.3	18.0	10.5	7.5
New entrants.....	716	100.0	46.1	33.4	20.6	9.1	11.5
<b>Males, 20 years and over.....</b>	3,141	100.0	52.6	37.4	30.0	18.2	11.8
Job losers.....	2,250	100.0	29.6	39.1	31.3	19.7	11.6
On layoff.....	937	100.0	32.0	41.4	26.7	20.7	5.9
Other job losers.....	1,313	100.0	27.9	37.5	34.6	18.9	15.6
Job leavers.....	324	100.0	45.0	32.0	23.0	12.9	10.1
Reentrants.....	492	100.0	39.5	34.1	26.4	15.0	11.4
New entrants.....	76	100.0	22.0	32.2	45.8	18.3	27.4
<b>Females, 20 years and over.....</b>	2,235	100.0	46.7	31.9	21.4	12.2	9.2
Job losers.....	939	100.0	35.3	36.1	28.5	18.5	10.0
On layoff.....	369	100.0	44.3	32.7	23.1	18.4	4.6
Other job losers.....	570	100.0	29.6	38.3	32.1	18.6	13.5
Job leavers.....	325	100.0	51.4	27.9	20.7	9.2	11.4
Reentrants.....	842	100.0	56.3	29.6	14.1	7.6	6.5
New entrants.....	129	100.0	54.2	27.0	18.8	3.9	14.8
<b>Both sexes, 16 to 19 years.....</b>	1,429	100.0	46.1	37.8	16.1	10.1	6.0
Job losers.....	333	100.0	32.8	52.6	14.6	9.4	5.2
On layoff.....	98	100.0	34.3	55.5	10.2	10.2	--
Other job losers.....	235	100.0	32.1	51.5	16.4	9.1	7.3
Job leavers.....	131	100.0	53.8	31.4	14.8	11.9	2.9
Reentrants.....	454	100.0	52.1	31.7	16.2	11.2	5.0
New entrants.....	511	100.0	47.6	35.2	17.3	9.0	8.3

# HOUSEHOLD DATA

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

Sex, age, and race	March 1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
<b>Total, 16 years and over</b> .....	6,800	5,307	27.4	6.3	73.5	31.6	14.0	5.9	1.59
16 to 19 years .....	1,423	1,319	17.4	3.0	81.2	24.0	11.8	4.5	1.42
20 to 24 years .....	1,602	1,298	33.6	6.2	72.0	35.4	15.9	5.2	1.68
25 to 34 years .....	1,798	1,301	30.7	8.4	70.6	36.5	12.8	5.8	1.65
35 to 44 years .....	864	623	30.5	7.2	69.2	37.9	14.1	7.2	1.66
45 to 54 years .....	643	450	27.1	6.0	72.0	29.1	16.2	7.1	1.58
55 to 64 years .....	381	256	26.2	10.9	69.1	18.0	16.8	11.3	1.52
65 years and over .....	87	61	18.0	6.6	70.5	24.6	19.7	6.6	1.46
<b>Males, 16 years and over</b> .....	3,893	2,829	31.2	5.9	74.2	30.6	16.0	7.3	1.65
16 to 19 years .....	757	686	17.2	2.2	82.1	23.3	11.5	4.4	1.41
20 to 24 years .....	986	742	37.5	6.2	72.8	35.3	18.9	4.6	1.75
25 to 34 years .....	1,040	664	37.3	7.8	70.2	37.2	15.1	8.0	1.76
35 to 44 years .....	454	299	37.8	6.0	73.2	35.1	17.1	11.7	1.81
45 to 54 years .....	361	239	31.0	7.1	71.5	25.1	19.7	11.7	1.66
55 to 64 years .....	255	164	26.0	10.4	70.1	15.2	20.1	15.9	1.60
65 years and over .....	45	36	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Females, 16 years and over</b> .....	2,906	2,478	23.1	6.7	72.6	32.8	11.7	4.3	1.51
16 to 19 years .....	672	633	17.5	3.9	80.3	24.6	12.0	4.7	1.43
20 to 24 years .....	616	557	28.4	6.1	70.7	35.5	12.0	6.1	1.59
25 to 34 years .....	753	637	23.7	8.9	71.1	35.8	10.7	3.6	1.54
35 to 44 years .....	410	324	24.1	8.3	65.1	40.4	11.4	3.1	1.52
45 to 54 years .....	283	210	22.9	4.8	72.9	33.8	11.9	1.9	1.48
55 to 64 years .....	126	92	23.9	12.0	67.4	22.8	10.9	4.3	1.41
65 years and over .....	42	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>White, 16 years and over</b> .....	5,358	4,096	25.5	6.5	74.0	34.1	13.5	6.1	1.60
Males .....	3,140	2,227	29.3	6.3	74.6	33.0	14.9	7.9	1.66
Females .....	2,218	1,869	21.1	6.7	73.4	35.5	11.9	4.0	1.52
<b>Black and other, 16 years and over</b> .....	1,446	1,212	33.7	5.5	71.4	23.3	15.7	5.3	1.55
Males .....	753	602	38.0	4.3	72.9	21.9	20.3	5.0	1.62
Females .....	688	609	29.6	6.6	70.0	24.6	11.2	5.4	1.47

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

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

waiting to begin a new 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.

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

Sex and reason	March 1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
<b>Total, 16 years and over</b> .....	6,805	5,307	27.4	6.3	73.5	31.6	14.0	5.9	1.59
Job losers .....	3,522	2,110	35.9	6.7	71.9	33.8	14.3	7.3	1.70
Job leavers .....	780	796	28.1	9.8	76.1	35.4	13.2	2.5	1.65
Reentrants .....	1,787	1,690	20.6	5.4	72.1	31.6	14.0	6.6	1.50
New entrants .....	716	711	17.7	2.8	78.1	21.0	14.3	3.7	1.38
<b>Males, 16 years and over</b> .....	3,893	2,829	31.2	5.9	74.2	30.6	16.0	7.3	1.65
Job losers .....	2,465	1,441	37.7	6.9	73.2	32.8	14.6	8.7	1.74
Job leavers .....	383	393	29.5	7.6	80.7	38.9	16.3	2.3	1.75
Reentrants .....	753	701	25.1	4.3	71.6	25.4	18.3	9.7	1.54
New entrants .....	297	294	16.0	2.7	77.6	20.7	17.7	1.7	1.36
<b>Females, 16 years and over</b> .....	2,906	2,478	23.1	6.7	72.6	32.8	11.7	4.3	1.51
Job losers .....	1,057	669	32.1	6.4	69.2	35.9	13.6	4.5	1.62
Job leavers .....	397	403	26.8	11.9	72.0	32.0	10.2	2.7	1.56
Reentrants .....	1,034	989	17.3	6.3	72.5	36.0	10.9	4.4	1.47
New entrants .....	418	417	19.2	2.9	78.4	21.1	12.0	5.3	1.39

NOTE: See note, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
Total, 16 years and over .....	6,165	6,205	100.0	100.0	4,688	5,399	100.0	100.0
Less than 5 weeks .....	2,517	2,725	40.8	40.0	1,683	1,960	35.9	36.3
5 to 14 weeks .....	2,083	2,429	33.8	35.7	1,672	1,979	35.7	36.7
5 to 10 weeks .....	1,362	1,633	22.1	24.0	1,070	1,312	22.8	24.3
11 to 14 weeks .....	721	796	11.7	11.7	601	666	12.8	12.3
15 weeks and over .....	1,565	1,651	25.4	24.3	1,333	1,460	28.4	27.0
15 to 26 weeks .....	931	989	15.1	14.5	819	881	17.5	16.3
27 weeks and over .....	633	662	10.3	9.7	514	579	11.0	10.7
27 to 51 weeks .....	326	370	5.3	5.4	246	327	5.2	6.1
52 weeks and over .....	307	292	5.0	4.3	267	252	5.7	4.7
Average (mean) duration, in weeks .....	12.7	11.9	--	--	13.7	12.8	--	--
Median duration, in weeks .....	7.4	7.5	--	--	8.7	8.5	--	--

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	Median 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			Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
	March 1980								Mar. 1979	Mar. 1980	Mar. 1979
Total, 16 years and over .....	6,805	2,725	2,429	989	662	11.9	7.5	40.8	40.0	25.4	24.3
16 to 21 years .....	2,145	971	793	237	144	10.0	6.2	50.3	45.3	17.2	17.7
16 to 19 years .....	1,429	659	540	144	86	9.3	6.0	53.6	46.1	16.2	16.1
20 to 24 years .....	1,602	653	593	207	149	11.3	7.3	42.3	40.7	22.5	22.3
25 to 34 years .....	1,798	687	627	307	177	12.4	7.9	38.3	38.2	25.7	26.9
35 to 44 years .....	864	339	288	126	111	13.5	7.8	35.6	39.2	33.3	27.4
45 to 54 years .....	643	241	208	100	94	14.1	8.8	29.5	37.5	36.6	30.1
55 to 64 years .....	381	102	151	94	33	14.1	10.7	27.4	26.9	37.7	33.5
65 years and over .....	87	43	22	11	11	16.3	5.1	31.3	49.6	25.7	25.3
Males, 16 years and over .....	3,898	1,357	1,466	662	414	13.2	8.8	36.0	34.8	28.6	27.6
16 to 21 years .....	1,202	510	463	144	85	10.5	7.0	47.3	42.4	19.3	19.1
16 to 19 years .....	757	334	290	89	44	9.7	6.9	50.9	44.1	18.3	17.6
20 to 24 years .....	986	356	391	146	94	11.8	8.0	37.5	36.1	23.7	24.3
25 to 34 years .....	1,040	336	378	204	123	14.3	9.6	33.6	32.3	30.0	31.4
35 to 44 years .....	454	144	176	74	61	14.8	9.3	25.1	31.7	40.9	29.6
45 to 54 years .....	361	120	116	64	60	16.3	11.2	21.4	33.4	40.7	34.6
55 to 64 years .....	255	49	103	77	26	16.7	13.0	25.7	19.2	40.7	40.5
65 years and over .....	45	18	13	6	7	18.5	6.4	25.4	(1)	32.2	(1)
Females, 16 years and over .....	2,906	1,368	963	327	247	10.2	5.8	46.6	47.1	21.6	19.8
16 to 21 years .....	943	462	330	92	59	9.3	5.2	53.9	48.9	14.5	16.0
16 to 19 years .....	672	325	250	55	42	8.9	5.3	57.0	48.4	13.4	14.4
20 to 24 years .....	616	297	202	61	55	10.6	5.6	47.9	48.2	21.0	18.9
25 to 34 years .....	758	352	249	103	54	9.7	5.8	43.7	46.4	20.9	20.7
35 to 44 years .....	410	194	113	52	51	12.0	5.8	45.4	47.5	26.2	25.0
45 to 54 years .....	283	121	93	35	34	11.2	6.9	38.9	42.8	31.8	24.4
55 to 64 years .....	126	54	48	17	7	8.8	7.3	29.8	42.5	33.7	19.3
65 years and over .....	42	25	9	4	4	13.9	4.2	(1)	(1)	(1)	(1)
White, 16 years and over .....	5,358	2,168	1,953	758	480	11.5	7.3	42.5	40.5	23.7	23.1
Males .....	3,140	1,105	1,224	510	301	12.6	8.5	38.0	35.2	26.4	25.8
Females .....	2,218	1,063	729	247	179	10.0	5.6	47.9	47.9	20.4	19.2
Black and other, 16 years and over .....	1,446	557	476	231	182	13.5	8.4	35.0	38.5	31.3	28.6
Males .....	758	252	242	151	114	15.9	10.1	28.9	33.2	36.1	34.9
Females .....	688	305	234	80	68	10.8	6.5	42.2	44.4	25.7	21.6
Males, 16 years and over:											
Married, spouse present .....	1,646	521	640	310	176	13.6	9.6	28.9	31.6	31.8	29.5
Widowed, divorced, or separated .....	387	111	136	76	64	16.6	10.3	31.1	28.7	35.3	36.0
Single (never married) .....	1,865	725	690	276	175	12.2	7.9	41.9	38.8	25.1	24.2
Females, 16 years and over:											
Married, spouse present .....	1,260	618	403	142	98	9.9	5.3	46.9	49.0	20.7	19.0
Widowed, divorced, or separated .....	549	265	154	78	52	10.1	5.8	45.4	48.2	24.9	23.7
Single (never married) .....	1,097	486	406	108	97	10.6	6.3	46.8	44.3	21.1	18.7

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

# HOUSEHOLD DATA

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median 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			Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
	March 1980										
<b>OCCUPATION</b>											
White-collar workers .....	1,727	769	585	200	173	11.4	6.3	41.1	44.5	26.2	21.6
Professional and managerial .....	596	252	202	66	76	13.4	7.0	34.0	42.3	33.6	24.0
Sales workers .....	266	116	81	33	30	13.2	7.3	43.4	43.5	20.6	25.9
Clerical workers .....	865	402	302	100	61	9.4	5.8	44.6	46.4	23.5	18.6
Blue-collar workers .....	3,228	1,071	1,244	596	317	12.7	9.1	37.4	33.2	26.1	28.3
Craft and kindred workers .....	929	291	405	159	76	12.3	8.9	30.3	31.3	27.4	25.2
Operatives, except transport .....	1,195	440	408	226	122	12.4	8.5	43.1	36.8	23.7	29.1
Transport equipment operatives .....	307	74	125	73	35	14.9	12.1	39.2	24.0	32.6	35.4
Nonfarm laborers .....	796	266	306	139	85	12.7	9.3	35.8	33.5	26.0	28.1
Service workers .....	995	489	314	106	87	10.5	5.3	41.1	49.1	25.5	19.3
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	193	80	71	40	2	9.2	7.3	47.0	41.6	25.6	21.9
Construction .....	938	284	433	161	59	11.5	9.7	31.3	30.3	27.4	23.5
Manufacturing .....	1,656	617	559	308	173	12.6	8.5	39.5	37.2	26.4	29.0
Durable goods .....	596	371	306	204	114	13.3	8.9	37.2	37.3	27.8	32.0
Non-durable goods .....	660	246	252	104	59	11.6	8.0	42.0	37.2	24.8	24.6
Transportation and public utilities .....	252	84	78	59	31	13.8	10.8	35.7	33.5	23.9	35.6
Wholesale and retail trade .....	1,275	531	470	150	124	11.3	7.1	45.2	41.7	20.8	21.5
Finance and service industries .....	1,381	621	467	144	148	11.5	6.3	40.9	45.0	26.6	21.2
Public administration .....	224	89	58	44	33	16.4	9.5	34.0	39.8	40.4	34.4
No previous work experience .....	715	329	239	64	82	12.5	5.9	50.2	46.1	21.3	20.5

<sup>1</sup> Includes wage and salary workers only.

## A-20. Employed persons by sex and age

(In thousands)

Age and type of industry	Total		Males		Females	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
	<b>All industries</b> .....	95,501	96,546	55,347	55,484	40,153
16 to 19 years .....	7,422	7,167	3,861	3,860	3,561	3,307
16 to 17 years .....	2,933	2,798	1,532	1,553	1,401	1,245
18 to 19 years .....	4,489	4,369	2,329	2,307	2,160	2,062
20 to 24 years .....	13,540	13,373	7,231	7,157	6,309	6,216
25 to 54 years .....	60,180	61,688	35,523	35,734	24,656	25,954
25 to 34 years .....	25,132	26,125	14,804	15,065	10,328	11,060
35 to 44 years .....	18,620	19,264	10,922	11,062	7,699	8,202
45 to 54 years .....	16,427	16,299	9,798	9,607	6,630	6,692
55 to 64 years .....	11,408	11,390	6,914	6,911	4,493	4,479
55 to 59 years .....	7,038	7,031	4,241	4,230	2,798	2,801
60 to 64 years .....	4,369	4,359	2,673	2,682	1,696	1,677
65 years and over .....	2,951	2,928	1,818	1,822	1,133	1,106
<b>Nonagricultural industries</b> .....	92,576	93,504	52,945	53,038	39,631	40,546
16 to 19 years .....	7,152	6,893	3,634	3,631	3,517	3,263
16 to 17 years .....	2,768	2,663	1,396	1,442	1,372	1,221
18 to 19 years .....	4,383	4,231	2,238	2,189	2,145	2,042
20 to 24 years .....	13,236	13,016	6,985	6,860	6,251	6,156
25 to 54 years .....	58,618	60,138	34,284	34,496	24,334	25,642
25 to 34 years .....	24,551	25,557	14,353	14,597	10,198	10,960
35 to 44 years .....	18,130	18,774	10,523	10,685	7,606	8,088
45 to 54 years .....	15,938	15,807	9,408	9,214	6,529	6,593
55 to 64 years .....	10,918	10,886	6,495	6,485	4,422	4,401
55 to 59 years .....	6,780	6,755	4,028	4,002	2,752	2,753
60 to 64 years .....	4,138	4,131	2,468	2,483	1,670	1,648
65 years and over .....	2,652	2,651	1,545	1,566	1,107	1,085
<b>Agriculture</b> .....	2,925	2,962	2,403	2,447	522	515
16 to 19 years .....	271	274	226	230	44	44
16 to 17 years .....	165	136	136	111	29	25
18 to 19 years .....	105	138	90	119	15	19
20 to 24 years .....	304	357	246	297	58	60
25 to 54 years .....	1,561	1,550	1,239	1,238	323	313
25 to 34 years .....	581	568	451	468	130	100
35 to 44 years .....	490	490	398	377	92	114
45 to 54 years .....	490	492	389	393	101	99
55 to 64 years .....	490	504	419	426	71	78
55 to 59 years .....	259	276	213	228	45	48
60 to 64 years .....	232	228	206	198	26	30
65 years and over .....	299	277	273	256	26	21

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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	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
<b>TOTAL</b> .....	95,501	96,546	51,487	51,624	36,592	37,755	3,861	3,860	3,561	3,307
<b>White-collar workers</b> .....	49,296	50,604	22,679	22,895	24,167	25,218	600	700	1,849	1,791
Professional and technical .....	15,339	15,736	8,615	8,606	6,546	6,938	96	91	83	102
Health workers .....	2,810	2,962	947	950	1,835	1,993	14	6	15	13
Teachers, except college .....	3,322	3,304	963	940	2,327	2,343	7	6	25	14
Other professional and technical .....	9,207	9,470	6,705	6,716	2,384	2,602	75	79	43	75
Managers and administrators, except farm .....	10,386	10,744	7,847	7,838	2,459	2,811	40	57	39	38
Salaried workers .....	8,571	8,875	6,444	6,457	2,056	2,323	33	56	40	37
Self-employed workers in retail trade .....	854	886	589	558	262	327	3	1	--	--
Self-employed workers, except retail trade .....	960	983	815	822	142	161	5	--	--	1
Sales workers .....	5,994	6,052	3,092	3,118	2,264	2,280	236	252	401	401
Retail trade .....	3,094	3,074	987	995	1,556	1,540	178	177	374	362
Other industries .....	2,899	2,978	2,106	2,123	709	740	57	75	28	39
Clerical workers .....	17,577	18,073	3,125	3,334	12,898	13,189	228	300	1,326	1,250
Stenographers, typists, and secretaries .....	4,927	4,896	84	63	4,469	4,472	5	11	369	350
Other clerical workers .....	12,650	13,177	3,041	3,271	8,429	8,717	223	289	957	900
<b>Blue-collar workers</b> .....	30,554	30,580	23,088	22,910	5,312	5,325	2,176	2,005	377	340
Craft and kindred workers .....	12,385	12,358	11,230	11,222	646	652	477	445	32	40
Carpenters .....	1,172	1,161	1,094	1,088	20	11	57	60	2	2
Construction craft, except carpenters .....	2,357	2,408	2,213	2,286	31	29	113	90	1	3
Mechanics and repairers .....	3,465	3,310	3,239	3,082	32	62	193	161	--	4
Metal craft .....	1,267	1,310	1,200	1,233	31	40	32	36	4	1
Blue-collar worker supervisors, not elsewhere classified .....	1,667	1,687	1,487	1,504	167	163	6	16	6	4
All other .....	2,457	2,483	1,998	2,029	364	346	76	81	20	26
Operatives, except transport .....	10,839	10,441	5,898	5,634	3,995	3,939	704	639	241	229
Durable goods manufacturing .....	5,173	4,833	3,207	2,963	1,636	1,577	237	215	94	77
Nondurable goods manufacturing .....	3,266	3,331	1,277	1,264	1,779	1,840	113	116	97	112
Other industries .....	2,399	2,277	1,414	1,408	581	522	354	308	50	40
Transport equipment operatives .....	3,515	3,505	3,063	3,050	255	301	170	145	27	8
Drivers, motor vehicles .....	2,973	2,968	2,574	2,551	240	288	136	121	24	8
All other .....	542	536	489	500	15	13	34	23	3	--
Nonfarm laborers .....	4,215	4,276	2,896	3,004	417	433	824	776	77	63
Construction .....	725	761	597	633	13	18	113	110	3	--
Manufacturing .....	1,055	990	736	768	175	147	119	69	24	6
Other industries .....	2,435	2,524	1,563	1,603	229	269	593	597	50	56
<b>Service workers</b> .....	12,790	12,930	3,829	3,940	6,770	6,869	892	976	1,298	1,145
Private household workers .....	1,088	1,005	13	15	846	809	10	7	219	174
Service workers, except private household .....	11,702	11,925	3,816	3,926	5,925	6,060	882	969	1,079	971
Food service workers .....	4,332	4,429	765	864	2,225	2,284	558	611	783	670
Protective service workers .....	1,371	1,369	1,233	1,233	121	111	11	17	5	7
All other .....	5,999	6,127	1,818	1,829	3,579	3,665	313	341	291	294
Farm workers .....	2,461	2,432	1,890	1,879	342	343	193	179	36	31
Farmers and farm managers .....	1,377	1,402	1,246	1,254	109	133	20	14	2	--
Farm laborers and supervisors .....	1,084	1,030	645	625	233	210	173	165	34	31
Paid workers .....	870	810	615	598	110	87	123	105	23	21
Unpaid family workers .....	214	220	30	26	123	123	50	60	11	10

# HOUSEHOLD DATA

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

(Percent distribution)

Occupation and race	Total		Males		Females	
	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	95,501	96,546	55,347	55,484	40,153	41,062
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	51.6	52.4	42.1	42.5	64.8	65.8
Professional and technical .....	16.1	16.3	15.7	15.7	16.5	17.1
Managers and administrators, except farm .....	10.9	11.1	14.3	14.2	6.2	6.9
Sales workers .....	6.3	6.3	6.0	6.1	6.6	6.5
Clerical workers .....	18.4	18.7	6.1	6.5	35.4	35.2
<b>Blue-collar workers</b> .....	32.4	31.7	45.6	44.9	14.2	13.8
Craft and kindred workers .....	13.0	12.8	21.2	21.0	1.7	1.7
Operatives, except transport .....	11.3	10.8	11.9	11.3	10.5	10.2
Transport equipment operatives .....	3.7	3.6	5.8	5.8	.7	.8
Nonfarm laborers .....	4.4	4.4	6.7	6.8	1.2	1.2
<b>Service workers</b> .....	13.4	13.4	8.5	8.9	20.1	19.5
Private household workers .....	1.1	1.0	(1)	(1)	2.7	2.4
Other service workers .....	12.3	12.4	8.5	8.8	17.4	17.1
<b>Farm workers</b> .....	2.6	2.5	3.8	3.7	.9	.9
Farmers and farm managers .....	1.4	1.5	2.3	2.3	.3	.3
Farm laborers and supervisors .....	1.1	1.1	1.5	1.4	.7	.6
<b>White</b>						
Total, 16 years and over (thousands) .....	84,770	85,845	49,741	49,913	35,030	35,932
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	53.4	54.2	43.7	44.3	67.1	67.9
Professional and technical .....	16.5	16.8	16.3	16.3	16.9	17.5
Managers and administrators, except farm .....	11.6	11.9	15.1	15.1	6.6	7.5
Sales workers .....	6.7	6.7	6.5	6.4	7.2	7.0
Clerical workers .....	18.5	18.8	5.9	6.5	36.4	35.9
<b>Blue-collar workers</b> .....	32.0	31.1	44.8	43.8	13.7	13.3
Craft and kindred workers .....	13.4	13.1	21.6	21.3	1.7	1.8
Operatives, except transport .....	10.9	10.4	11.5	10.9	10.1	9.6
Transport equipment operatives .....	3.6	3.5	5.6	5.4	.7	.8
Nonfarm laborers .....	4.1	4.1	6.1	6.2	1.2	1.2
<b>Service workers</b> .....	12.0	12.2	7.7	8.1	18.2	17.8
Private household workers .....	.9	.8	(1)	(1)	2.0	1.8
Other service workers .....	11.2	11.4	7.6	8.1	16.2	16.0
<b>Farm workers</b> .....	2.6	2.6	3.8	3.8	1.0	1.0
Farmers and farm managers .....	1.6	1.6	2.5	2.5	.3	.4
Farm laborers and supervisors .....	1.1	1.0	1.3	1.3	.7	.6
<b>Black and other</b>						
Total, 16 years and over (thousands) .....	10,731	10,701	5,607	5,571	5,124	5,129
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	37.7	38.3	27.4	26.8	48.9	50.7
Professional and technical .....	12.3	12.3	11.0	10.3	13.7	14.5
Managers and administrators, except farm .....	5.2	4.8	6.8	6.2	3.4	3.2
Sales workers .....	2.6	3.0	2.1	3.0	3.0	3.0
Clerical workers .....	17.6	18.2	7.5	7.4	28.7	29.9
<b>Blue-collar workers</b> .....	35.9	36.5	52.8	54.4	17.4	17.1
Craft and kindred workers .....	9.5	10.1	17.0	18.3	1.3	1.2
Operatives, except transport .....	14.8	14.5	15.6	15.1	13.8	13.9
Transport equipment operatives .....	4.5	5.0	8.1	8.9	.5	.7
Nonfarm laborers .....	7.2	7.0	12.1	12.2	1.7	1.3
<b>Service workers</b> .....	24.3	23.2	16.2	15.5	33.1	31.7
Private household workers .....	3.4	3.2	.1	.2	7.0	6.6
Other service workers .....	20.9	20.0	16.2	15.3	26.1	25.1
<b>Farm workers</b> .....	2.2	2.0	3.6	3.3	.6	.5
Farmers and farm managers .....	.4	.4	.7	.7	.1	.1
Farm laborers and supervisors .....	1.8	1.6	2.9	2.6	.5	.4

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

**HOUSEHOLD DATA**

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

[In thousands]

Age and sex	MARCH 1980								
	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					
<b>Total, 16 years and over</b> .....	86,359	1,067	15,809	69,482	6,791	434	1,253	1,486	223
16 to 19 years .....	6,760	197	538	6,025	115	18	185	17	71
16 to 17 years .....	2,589	145	170	2,274	65	8	80	8	47
18 to 19 years .....	4,172	53	368	3,750	50	10	105	9	24
20 to 24 years .....	12,665	84	1,494	11,087	308	43	241	91	25
25 to 34 years .....	23,943	149	4,504	19,291	1,539	75	302	237	29
35 to 44 years .....	17,018	130	3,643	13,245	1,649	106	193	266	31
45 to 54 years .....	14,182	183	3,216	10,782	1,500	125	151	307	34
55 to 64 years .....	9,682	180	2,040	7,462	1,151	53	120	356	27
65 to 69 years .....	6,044	102	1,312	4,629	685	27	76	180	20
60 to 64 years .....	3,639	78	728	2,832	467	25	45	176	7
65 years and over .....	2,108	145	373	1,591	528	15	60	211	6
<b>Males, 16 years and over</b> .....	43,245	86	7,730	40,429	4,742	51	1,034	1,326	87
16 to 19 years .....	3,543	28	232	3,283	77	11	152	17	60
16 to 17 years .....	1,393	17	95	1,281	44	5	62	8	40
18 to 19 years .....	2,150	11	137	2,002	33	6	90	9	20
20 to 24 years .....	6,627	10	638	5,979	213	19	200	81	16
25 to 34 years .....	13,543	10	2,188	11,345	1,051	2	256	209	4
35 to 44 years .....	9,533	3	1,775	7,755	1,149	3	145	230	1
45 to 54 years .....	8,137	9	1,656	6,472	1,074	2	123	268	2
55 to 64 years .....	5,657	3	1,026	4,629	821	7	101	325	--
65 to 69 years .....	3,521	--	663	2,859	479	2	64	164	--
60 to 64 years .....	2,136	3	363	1,769	342	5	37	161	--
65 years and over .....	1,204	23	215	966	356	6	57	196	3
<b>Females, 16 years and over</b> .....	38,114	981	8,079	29,054	2,049	383	218	160	137
16 to 19 years .....	3,218	169	307	2,742	38	7	33	--	11
16 to 17 years .....	1,196	128	75	993	21	4	18	--	7
18 to 19 years .....	2,022	41	232	1,749	17	4	15	--	4
20 to 24 years .....	6,037	74	856	5,108	95	24	41	10	9
25 to 34 years .....	10,400	139	2,316	7,946	488	72	46	29	25
35 to 44 years .....	7,485	127	1,868	5,490	500	103	48	36	30
45 to 54 years .....	6,044	174	1,560	4,310	426	123	28	39	32
55 to 64 years .....	4,025	177	1,015	2,833	330	46	19	31	27
65 to 69 years .....	2,522	103	649	1,770	206	25	11	16	20
60 to 64 years .....	1,503	74	365	1,063	125	20	8	15	7
65 years and over .....	905	122	157	625	172	8	3	15	3

**A-24. Employed persons by industry and occupation**

[In thousands]

Industry	MARCH 1980											
	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	
<b>Total, 16 years and over:</b> .....												
Agriculture .....	2,962	72	28	4	74	70	18	41	213	--	10	2,432
Mining .....	876	115	80	3	95	244	258	38	35	--	8	--
Construction .....	5,685	182	721	35	443	3,086	263	164	761	--	30	--
Manufacturing .....	22,039	2,487	1,672	545	2,687	4,270	8,164	806	990	--	417	--
Durable goods .....	13,371	1,690	963	195	1,588	2,856	4,833	391	607	--	247	--
Nondurable goods .....	8,668	797	709	350	1,098	1,414	3,331	415	383	--	170	--
Transportation and public utilities .....	6,268	616	623	56	1,451	1,354	123	1,410	460	--	175	--
Wholesale and retail trade .....	19,593	384	3,799	3,948	3,563	1,515	887	778	1,156	--	3,563	--
Wholesale trade .....	3,841	137	756	874	815	365	193	401	267	--	33	--
Retail trade .....	15,751	247	3,043	3,074	2,748	1,150	694	376	889	--	3,530	--
Finance, insurance, and real estate .....	5,789	295	1,131	1,275	2,650	108	17	11	64	--	237	--
Services .....	28,158	10,616	2,023	182	5,186	1,422	658	210	428	1,005	6,429	--
Private households .....	1,129	6	--	--	12	6	--	6	61	1,005	34	--
Other service industries .....	27,029	10,610	2,023	182	5,174	1,416	658	204	367	--	6,395	--
Public administration .....	5,176	969	666	4	1,924	289	55	46	169	--	1,056	--

# HOUSEHOLD DATA

## 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 <sup>1</sup>			
	Mar. 1979				Mar. 1980		Paid absences <sup>2</sup>	
			Mar. 1979	Mar. 1980			Mar. 1979	Mar. 1980
Total, 16 years and over . . . . .	4,015	4,232	3,849	4,048	1,646	1,656	1,696	1,830
Vacation . . . . .	1,486	1,469	1,454	1,434	907	890	404	381
Illness . . . . .	1,473	1,577	1,430	1,525	598	582	711	783
Bad weather . . . . .	206	260	159	200	--	--	--	--
Industrial dispute . . . . .	58	141	56	141	--	--	--	--
All other reasons . . . . .	792	785	750	748	142	183	581	666
Males, 16 years and over . . . . .	2,233	2,389	2,087	2,221	966	920	801	951
Vacation . . . . .	808	772	781	738	514	476	176	155
Illness . . . . .	813	837	775	792	374	333	335	379
All other reasons <sup>3</sup> . . . . .	611	781	531	690	78	112	290	417
Females, 16 years and over . . . . .	1,782	1,843	1,763	1,827	681	735	895	880
Vacation . . . . .	678	697	673	695	392	414	228	226
Illness . . . . .	660	740	655	732	226	250	375	405
All other reasons <sup>3</sup> . . . . .	444	406	434	400	63	71	291	249

<sup>1</sup> Excludes private household.

<sup>3</sup> Includes bad weather and industrial disputes, not shown separately.

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

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

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

Hours of work	March 1980					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total, 16 years and over . . . . .	92,314	89,536	2,778	100.0	100.0	100.0
1-34 hours . . . . .	22,931	21,952	981	24.8	24.5	35.3
1-4 hours . . . . .	781	738	43	.8	.8	1.5
5-14 hours . . . . .	4,439	4,180	260	4.8	4.7	9.4
15-29 hours . . . . .	11,594	11,165	429	12.6	12.5	15.4
30-34 hours . . . . .	6,117	5,869	249	6.6	6.6	9.0
35 hours and over . . . . .	69,382	67,585	1,798	75.2	75.5	64.7
35-39 hours . . . . .	6,603	6,512	91	7.2	7.3	3.3
40 hours . . . . .	38,844	38,378	466	42.1	42.9	16.8
41 hours and over . . . . .	23,935	22,695	1,241	25.9	25.3	44.7
41 to 48 hours . . . . .	9,557	9,334	224	10.4	10.4	8.1
49 to 59 hours . . . . .	8,440	8,044	397	9.1	9.0	14.3
60 hours and over . . . . .	5,938	5,317	620	6.4	5.9	22.3
Average hours, total at work . . . . .	38.4	38.3	41.6	--	--	--
Average hours, workers on full-time schedules . . . . .	42.8	42.6	50.0	--	--	--



## 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	March 1980					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
<b>Total, 16 years and over . . .</b>	<b>22,931</b>	<b>7,007</b>	<b>15,924</b>	<b>21,952</b>	<b>6,625</b>	<b>15,326</b>
<b>Economic reasons . . . . .</b>	<b>3,528</b>	<b>1,604</b>	<b>1,924</b>	<b>3,313</b>	<b>1,460</b>	<b>1,853</b>
Slack work . . . . .	1,925	1,280	645	1,741	1,144	597
Material shortages or repairs to plant and equipment . . . . .	72	72	--	70	70	--
New job started during week . . . . .	150	150	--	145	145	--
Job terminated during week . . . . .	103	103	--	103	103	--
Could find only part-time work . . . . .	1,279	--	1,279	1,257	--	1,257
<b>Other reasons . . . . .</b>	<b>19,402</b>	<b>5,401</b>	<b>14,001</b>	<b>18,638</b>	<b>5,164</b>	<b>13,474</b>
Does not want, or unavailable for, full-time work . . . . .	11,941	--	11,941	11,550	--	11,550
Vacation . . . . .	822	822	--	809	809	--
Illness . . . . .	2,135	1,922	213	2,073	1,887	186
Bad weather . . . . .	890	890	--	755	755	--
Industrial dispute . . . . .	23	23	--	23	23	--
Legal or religious holiday . . . . .	73	73	--	73	73	--
Full time for this job . . . . .	1,388	--	1,388	1,323	--	1,323
All other reasons . . . . .	2,130	1,672	458	2,030	1,616	414
<b>Average hours:</b>						
Economic reasons . . . . .	22.0	23.7	20.6	22.2	23.9	20.8
Other reasons . . . . .	20.6	25.9	18.6	20.6	26.0	18.6
<b>Worked 30 to 34 hours:</b>						
Economic reasons . . . . .	1,097	659	438	1,034	609	425
Other reasons . . . . .	5,020	2,794	2,226	4,835	2,691	2,144

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

[Numbers in thousands]

Industry	March 1980								
	Full- or part-time status							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 to 48 hours	49 hours or more			
<b>Total, 16 years and over<sup>1</sup> . . . . .</b>	<b>89,536</b>	<b>3,313</b>	<b>13,474</b>	<b>72,749</b>	<b>50,054</b>	<b>9,334</b>	<b>13,361</b>	<b>38.3</b>	<b>42.6</b>
<b>Wage and salary workers . . . . .</b>	<b>82,808</b>	<b>2,876</b>	<b>12,259</b>	<b>67,673</b>	<b>47,807</b>	<b>8,792</b>	<b>11,074</b>	<b>38.1</b>	<b>42.2</b>
Construction . . . . .	4,280	275	234	3,771	2,786	412	573	38.6	41.1
<b>Manufacturing . . . . .</b>	<b>20,723</b>	<b>580</b>	<b>780</b>	<b>19,363</b>	<b>13,668</b>	<b>2,971</b>	<b>2,724</b>	<b>40.7</b>	<b>42.0</b>
Durable goods . . . . .	12,581	267	334	11,980	8,434	1,868	1,678	41.2	42.1
Nondurable goods . . . . .	8,143	313	446	7,384	5,235	1,103	1,046	40.0	42.0
Transportation and public utilities . . . . .	5,716	141	370	5,205	3,614	679	912	40.9	43.0
Wholesale and retail trade . . . . .	16,923	866	4,552	11,505	7,260	1,865	2,380	35.6	43.1
Finance, insurance, and real estate . . . . .	5,150	73	578	4,499	3,416	478	605	38.6	41.2
<b>Service industries . . . . .</b>	<b>24,229</b>	<b>870</b>	<b>5,412</b>	<b>17,947</b>	<b>13,114</b>	<b>1,804</b>	<b>3,029</b>	<b>35.9</b>	<b>42.0</b>
Private households . . . . .	1,003	126	536	341	242	27	72	23.7	42.2
All other industries . . . . .	23,226	744	4,876	17,606	12,872	1,777	2,957	36.4	42.0
Public administration . . . . .	5,000	59	323	4,618	3,525	484	609	40.0	41.8
<b>Self-employed workers . . . . .</b>	<b>6,293</b>	<b>424</b>	<b>1,030</b>	<b>4,839</b>	<b>2,114</b>	<b>517</b>	<b>2,208</b>	<b>41.2</b>	<b>48.3</b>
Unpaid family workers . . . . .	434	14	184	236	133	24	79	35.1	45.8

<sup>1</sup> Includes mining, not shown separately.

# HOUSEHOLD DATA

## 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	March 1980							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Both sexes, 16 years and over .....	89,536	3,313	13,474	72,749	50,054	22,695	38.3	42.6
16 to 21 years .....	11,438	696	4,812	5,930	4,601	1,329	29.4	40.6
16 to 19 years .....	6,676	380	3,701	2,595	2,020	575	25.8	39.9
16 to 17 years .....	2,580	82	2,191	307	258	49	18.0	35.6
18 to 19 years .....	4,096	298	1,510	2,288	1,763	525	30.7	40.5
20 years and over .....	42,860	2,933	9,773	70,154	48,034	22,120	39.3	42.7
20 to 24 years .....	12,561	705	1,985	9,871	7,357	2,514	36.7	41.4
25 years and over .....	70,299	2,229	7,787	60,283	40,676	19,607	39.7	42.9
25 to 44 years .....	42,646	1,390	4,035	37,221	24,676	12,545	40.2	43.1
45 to 64 years .....	25,231	755	2,562	21,914	15,210	6,704	39.9	42.8
65 years and over .....	2,421	83	1,190	1,148	790	358	29.3	42.3
<b>Males, 16 years and over .....</b>	<b>50,817</b>	<b>1,553</b>	<b>4,301</b>	<b>44,963</b>	<b>27,616</b>	<b>17,347</b>	<b>41.2</b>	<b>44.1</b>
16 to 21 years .....	5,949	327	2,389	3,233	2,294	939	30.6	41.5
16 to 19 years .....	3,511	165	1,883	1,463	1,057	406	27.0	40.8
16 to 17 years .....	1,392	40	1,164	188	154	34	18.7	36.6
18 to 19 years .....	2,119	124	720	1,275	901	374	32.5	41.5
20 years and over .....	47,306	1,388	2,417	43,561	26,561	16,940	42.3	44.2
20 to 24 years .....	6,619	355	843	5,421	3,634	1,787	38.5	42.7
25 years and over .....	40,687	1,032	1,574	38,081	22,928	15,153	42.9	44.4
25 to 44 years .....	24,413	667	491	23,255	13,611	9,644	43.6	44.7
45 to 64 years .....	14,851	315	435	14,101	8,849	5,252	42.9	44.0
65 years and over .....	1,422	49	649	724	467	257	31.0	43.1
<b>Females, 16 years and over .....</b>	<b>38,719</b>	<b>1,760</b>	<b>9,173</b>	<b>27,786</b>	<b>22,439</b>	<b>5,347</b>	<b>34.4</b>	<b>40.3</b>
16 to 21 years .....	5,489	368	2,423	2,698	2,307	391	28.2	39.4
16 to 19 years .....	3,165	214	1,818	1,133	965	168	24.4	38.7
16 to 17 years .....	1,188	41	1,028	119	102	17	17.3	34.2
18 to 19 years .....	1,977	174	790	1,013	861	152	28.8	39.3
20 years and over .....	35,554	1,545	7,355	26,654	21,474	5,180	35.3	40.4
20 to 24 years .....	5,942	349	1,142	4,451	3,727	724	34.8	39.9
25 years and over .....	29,612	1,196	6,213	22,203	17,748	4,455	35.4	40.5
25 to 44 years .....	18,232	723	3,545	13,964	11,064	2,900	35.7	40.4
45 to 64 years .....	10,381	440	2,127	7,814	6,360	1,454	35.6	40.5
65 years and over .....	999	34	541	424	323	101	26.9	41.0
<b>RACE</b>								
<b>White .....</b>	<b>79,596</b>	<b>2,725</b>	<b>12,319</b>	<b>64,552</b>	<b>43,428</b>	<b>21,124</b>	<b>38.4</b>	<b>42.9</b>
Males .....	45,726	1,320	3,897	40,509	24,221	16,288	41.5	44.3
Females .....	33,870	1,405	8,422	24,043	19,207	4,836	34.2	40.4
<b>Black and other .....</b>	<b>9,940</b>	<b>589</b>	<b>1,155</b>	<b>8,196</b>	<b>6,625</b>	<b>1,571</b>	<b>37.2</b>	<b>40.9</b>
Males .....	5,091	234	403	4,454	3,395	1,059	38.9	41.7
Females .....	4,849	354	751	3,744	3,232	512	35.4	39.9
<b>MARITAL STATUS</b>								
<b>Males, 16 years and over:</b>								
Married, spouse present .....	35,171	815	1,228	33,128	19,687	13,441	43.1	44.5
Widowed, divorced, or separated .....	4,028	169	219	3,640	2,255	1,385	42.0	44.2
Single (never married) .....	11,618	570	2,654	8,194	5,673	2,521	35.3	42.5
<b>Females, 16 years and over:</b>								
Married, spouse present .....	21,611	922	5,387	15,502	12,712	2,790	34.3	40.1
Widowed, divorced, or separated .....	7,434	372	1,070	5,992	4,614	1,378	37.0	40.9
Single (never married) .....	9,474	466	2,716	6,292	5,112	1,180	32.7	40.3

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

[Numbers in thousands]

Occupational group and sex	March 1980								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 to 48 hours	49 hours or more			
<b>Total, 16 years and over</b> .....	90,031	3,348	13,575	73,108	50,266	9,363	13,479	38.2	42.6	
<b>White-collar workers</b> .....	48,639	1,018	7,208	40,413	26,973	4,881	8,559	39.1	43.1	
Professional and technical .....	15,121	267	1,812	13,042	8,541	1,542	2,959	40.1	43.4	
Managers and administrators, except farm .....	10,342	103	535	9,704	4,674	1,400	3,630	45.3	46.9	
Sales workers .....	5,796	222	1,454	4,120	2,475	391	1,054	36.2	43.6	
Clerical workers .....	17,380	427	3,407	13,546	11,281	1,348	917	35.5	40.0	
<b>Blue-collar workers</b> .....	29,052	1,539	2,163	25,350	17,786	3,711	3,853	39.3	42.1	
Craft and kindred workers .....	11,781	475	430	10,876	7,288	1,650	1,930	40.9	42.5	
Operatives, except transport .....	9,953	575	634	8,744	6,614	1,246	884	38.8	41.2	
Transport equipment operatives .....	3,309	184	310	2,815	1,600	458	757	41.3	45.0	
Nonfarm laborers .....	4,009	305	788	2,916	2,284	350	282	34.5	40.4	
<b>Service workers</b> .....	12,340	791	4,204	7,345	5,507	771	1,067	32.4	41.9	
Private household .....	943	107	505	331	232	29	70	24.0	42.3	
Other service workers .....	11,397	685	3,699	7,013	5,275	742	996	33.1	41.9	
<b>Males, 16 years and over</b> .....	51,179	1,580	4,349	45,250	27,775	6,606	10,869	41.2	44.1	
<b>White-collar workers</b> .....	22,786	270	1,624	20,892	11,280	2,975	6,637	43.4	45.7	
Professional and technical .....	6,406	99	523	7,784	4,546	972	2,266	43.1	45.1	
Managers and administrators, except farm .....	7,613	58	234	7,321	3,146	1,113	3,062	46.8	47.9	
Sales workers .....	3,260	57	388	2,815	1,481	444	890	41.5	45.2	
Clerical workers .....	3,506	56	478	2,972	2,108	446	418	38.5	42.1	
<b>Blue-collar workers</b> .....	23,641	1,122	1,516	21,003	14,222	3,175	3,606	40.1	42.6	
Craft and kindred workers .....	11,114	450	339	10,325	6,884	1,575	1,866	41.0	42.6	
Operatives, except transport .....	5,974	242	350	5,382	3,789	653	740	40.2	42.3	
Transport equipment operatives .....	3,024	158	178	2,688	1,515	431	742	42.4	45.2	
Nonfarm laborers .....	3,529	272	650	2,607	2,033	316	258	34.7	40.4	
<b>Service workers</b> .....	4,752	188	1,209	3,355	2,273	456	626	36.1	43.6	
Private household .....	21	--	10	11	8	2	1	26.1	44.7	
Other service workers .....	4,731	189	1,199	3,344	2,263	454	627	36.2	43.6	
<b>Females, 16 years and over</b> .....	38,852	1,768	9,227	27,857	22,489	2,758	2,610	34.4	40.3	
<b>White-collar workers</b> .....	25,853	748	5,585	19,520	15,692	1,906	1,922	35.3	40.4	
Professional and technical .....	6,715	167	1,289	5,259	3,997	570	692	36.2	40.9	
Managers and administrators, except farm .....	2,729	44	300	2,385	1,531	287	567	41.0	44.0	
Sales workers .....	2,536	165	1,066	1,305	994	148	163	29.4	40.1	
Clerical workers .....	13,874	371	2,930	10,573	9,172	902	499	34.8	39.4	
<b>Blue-collar workers</b> .....	5,411	417	646	4,348	3,563	537	248	36.2	39.8	
Craft and kindred workers .....	667	25	91	551	404	83	64	37.7	41.3	
Operatives, except transport .....	3,979	333	284	3,362	2,825	393	144	36.8	39.4	
Transport equipment operatives .....	266	26	133	127	84	27	16	29.5	41.0	
Nonfarm laborers .....	480	33	138	309	251	34	24	32.7	40.1	
<b>Service workers</b> .....	7,588	603	2,996	3,989	3,234	315	440	30.1	40.5	
Private household .....	922	107	494	321	223	28	70	23.9	42.2	
Other service workers .....	6,666	497	2,501	3,668	3,010	288	370	30.9	40.3	

# HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status	March 1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population . . . . .	7,683	3,908	3,775	6,390	3,258	3,132	1,293	649	643
Civilian labor force . . . . .	1,173	622	551	1,098	588	510	74	33	41
Employed . . . . .	1,014	530	483	965	510	455	49	20	29
Agriculture . . . . .	76	61	15	77	62	16	--	--	--
Nonagricultural industries . . . . .	937	469	468	888	449	439	50	20	29
Unemployed . . . . .	159	91	68	133	78	56	26	13	12
Unemployment rate . . . . .	13.6	14.6	12.3	12.1	13.3	11.0	(1)	(1)	(1)
Not in labor force . . . . .	6,510	3,286	3,224	5,291	2,670	2,622	1,219	616	603
Keeping house . . . . .	59	7	52	43	3	40	16	3	13
Going to school . . . . .	6,234	3,166	3,068	5,082	2,580	2,502	1,152	587	565
Unable to work . . . . .	12	9	4	11	9	3	1	--	1
All other reasons . . . . .	205	104	101	155	79	77	50	26	24

<sup>1</sup> 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	March 1980					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
<b>CLASS OF WORKER</b>						
<b>Total</b> . . . . .	1,014	530	483	100.0	100.0	100.0
Nonagricultural industries . . . . .	937	469	468	92.3	88.5	96.7
Wage and salary workers . . . . .	830	386	443	81.8	72.8	91.5
Private household workers . . . . .	307	50	256	30.2	9.4	52.9
Government workers . . . . .	35	21	14	3.4	4.0	2.9
Other wage and salary workers . . . . .	488	315	173	48.1	59.4	35.7
Self-employed workers . . . . .	97	76	21	9.6	14.3	4.3
Unpaid family workers . . . . .	11	7	4	1.1	1.3	.8
Agriculture . . . . .	76	61	15	7.5	11.5	3.1
Wage and salary workers . . . . .	46	36	12	4.7	6.8	2.5
Self-employed workers . . . . .	8	7	1	.8	1.3	.2
Unpaid family workers . . . . .	21	16	3	2.1	3.4	.6
<b>OCCUPATION</b>						
<b>Total</b> . . . . .	1,014	530	483	100.0	100.0	100.0
White-collar workers . . . . .	289	199	90	28.5	37.5	18.6
Professional and technical . . . . .	9	3	6	.9	.6	1.2
Managers and administrators, except farm . . . . .	2	--	2	.2	--	.4
Sales workers . . . . .	219	176	42	21.6	33.2	8.7
Clerical workers . . . . .	59	20	39	5.8	3.8	8.1
Blue-collar workers . . . . .	144	129	15	14.2	24.3	3.1
Craft and kindred workers . . . . .	14	13	--	1.4	2.5	--
Operatives, except transport . . . . .	36	29	7	3.6	5.5	1.4
Transport equipment operatives . . . . .	--	--	--	--	--	--
Nonfarm laborers . . . . .	94	86	8	9.3	16.2	1.7
Service workers . . . . .	512	149	363	50.5	28.1	75.2
Private household workers . . . . .	291	28	264	28.7	5.3	54.7
Other service workers . . . . .	221	121	100	21.8	22.8	20.7
Farm workers . . . . .	69	54	15	6.8	10.2	3.1
Farmers and farm managers . . . . .	3	3	1	.3	.6	.2
Farm laborers and supervisors . . . . .	66	51	14	6.5	9.6	2.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Employment status	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	162,909	163,008	163,260	163,469	163,685	163,891	164,100	164,466	164,682	164,898	165,101	165,298	165,506
Armed Forces <sup>1</sup> .....	2,090	2,082	2,078	2,076	2,082	2,090	2,092	2,093	2,092	2,089	2,081	2,086	2,090
Civilian noninstitutional population <sup>1</sup> .....	160,819	160,926	161,182	161,393	161,604	161,801	162,013	162,375	162,589	162,809	163,020	163,211	163,416
Civilian labor force .....	102,505	102,198	102,398	102,476	103,093	103,128	103,494	103,595	103,652	103,999	104,229	104,260	104,094
Percent of civilian population .....	63.7	63.5	63.5	63.5	63.8	63.7	63.9	63.8	63.8	63.9	63.9	63.9	63.7
Employed .....	96,623	96,254	96,495	96,652	97,184	97,004	97,504	97,474	97,608	97,912	97,804	97,953	97,656
Percent of total population .....	59.3	59.0	59.1	59.1	59.4	59.2	59.4	59.3	59.3	59.4	59.2	59.3	59.0
Unemployed .....	3,320	3,215	3,246	3,243	3,267	3,315	3,364	3,294	3,385	3,359	3,270	3,326	3,358
Agriculture .....	93,303	93,039	93,249	93,409	93,917	93,689	94,140	94,180	94,223	94,553	94,534	94,626	94,298
Nonagricultural industries .....	5,882	5,944	5,903	5,824	5,909	6,124	5,990	6,121	6,044	6,087	6,425	6,307	6,438
Unemployment rate .....	5.7	5.8	5.8	5.7	5.7	5.9	5.8	5.9	5.8	5.9	6.2	6.0	6.2
Not in labor force .....	58,314	58,728	58,784	58,917	58,511	58,673	58,519	58,780	58,937	58,810	58,791	58,951	59,322
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	69,612	69,663	69,787	69,889	69,995	70,099	70,205	70,380	70,487	70,594	70,695	70,792	70,896
Civilian noninstitutional population <sup>1</sup> .....	67,939	67,997	68,123	68,227	68,319	68,417	68,522	68,697	68,804	68,940	69,047	69,140	69,238
Civilian labor force .....	54,315	54,239	54,288	54,370	54,579	54,597	54,735	54,760	54,709	54,781	54,855	55,038	54,996
Percent of civilian population .....	79.9	79.8	79.7	79.7	79.9	79.8	79.9	79.7	79.5	79.5	79.4	79.6	79.4
Employed .....	52,151	52,049	52,158	52,201	52,325	52,311	52,453	52,443	52,374	52,478	52,279	52,531	52,300
Percent of total population .....	74.9	74.7	74.7	74.7	74.8	74.6	74.6	74.5	74.3	74.3	73.9	74.2	73.8
Unemployed .....	2,350	2,295	2,301	2,305	2,327	2,375	2,377	2,317	2,438	2,427	2,387	2,435	2,394
Agriculture .....	49,801	49,754	49,857	49,896	49,998	49,936	50,076	50,072	49,936	50,051	49,892	50,096	49,906
Nonagricultural industries .....	2,164	2,190	2,130	2,169	2,254	2,286	2,282	2,317	2,335	2,303	2,577	2,507	2,696
Unemployment rate .....	4.0	4.0	3.9	4.0	4.1	4.2	4.2	4.2	4.3	4.2	4.7	4.6	4.9
Not in labor force .....	13,624	13,758	13,835	13,857	13,740	13,820	13,787	13,937	14,095	14,159	14,192	14,102	14,242
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	76,589	76,645	76,782	76,896	77,014	77,127	77,245	77,429	77,547	77,666	77,779	77,890	78,005
Civilian noninstitutional population <sup>1</sup> .....	76,476	76,532	76,670	76,784	76,897	77,006	77,124	77,308	77,426	77,542	77,656	77,766	77,876
Civilian labor force .....	38,574	38,415	38,619	38,653	39,033	39,304	39,239	39,362	39,445	39,659	39,878	39,857	39,751
Percent of civilian population .....	50.4	50.2	50.4	50.3	50.8	51.0	50.9	50.9	50.9	51.1	51.4	51.3	51.0
Employed .....	36,362	36,216	36,411	36,457	36,873	37,000	37,075	37,112	37,248	37,402	37,574	37,604	37,496
Percent of total population .....	47.5	47.3	47.4	47.4	47.9	48.0	48.0	47.9	48.0	48.2	48.3	48.3	48.1
Unemployed .....	595	572	577	583	585	600	628	572	612	582	540	567	582
Agriculture .....	35,767	35,644	35,834	35,874	36,288	36,400	36,447	36,540	36,636	36,820	37,034	37,037	36,914
Nonagricultural industries .....	2,212	2,199	2,208	2,196	2,160	2,304	2,164	2,250	2,197	2,257	2,304	2,254	2,255
Unemployment rate .....	5.7	5.7	5.7	5.7	5.5	5.9	5.5	5.7	5.6	5.7	5.8	5.7	5.7
Not in labor force .....	37,902	38,117	38,051	38,131	37,864	37,702	37,885	37,946	37,981	37,883	37,778	37,909	38,125
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,709	16,700	16,692	16,684	16,677	16,665	16,655	16,659	16,648	16,638	16,627	16,616	16,606
Civilian noninstitutional population <sup>1</sup> .....	16,404	16,397	16,389	16,381	16,387	16,377	16,367	16,370	16,360	16,326	16,317	16,305	16,302
Civilian labor force .....	9,616	9,544	9,491	9,453	9,481	9,227	9,520	9,473	9,498	9,559	9,497	9,365	9,346
Percent of civilian population .....	58.6	58.2	57.9	57.7	57.9	56.3	58.2	57.9	58.1	58.6	58.2	57.4	57.3
Employed .....	8,110	7,989	7,926	7,994	7,986	7,693	7,976	7,919	7,986	8,032	7,952	7,818	7,859
Percent of total population .....	48.5	47.8	47.5	47.9	47.9	46.2	47.9	47.5	48.0	48.3	47.8	47.1	47.3
Unemployed .....	375	348	368	355	355	340	359	351	335	350	344	325	381
Agriculture .....	7,735	7,641	7,558	7,639	7,631	7,353	7,617	7,568	7,651	7,682	7,608	7,493	7,478
Nonagricultural industries .....	1,506	1,555	1,565	1,459	1,495	1,534	1,544	1,554	1,512	1,527	1,545	1,547	1,487
Unemployment rate .....	15.7	16.3	16.5	15.4	15.8	16.6	16.2	16.4	15.9	16.0	16.3	16.5	15.9
Not in labor force .....	6,788	6,853	6,898	6,928	6,906	7,150	6,847	6,897	6,862	6,767	6,820	6,940	6,956

<sup>1</sup> 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-42 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Full- and part-time employment status	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force	87,406	87,412	87,397	87,501	87,749	87,685	88,134	88,394	88,469	88,576	88,627	88,747	88,604
Employed	82,869	82,775	82,864	82,986	83,132	82,958	83,419	83,598	83,699	83,785	83,581	83,805	83,436
Unemployed	4,539	4,637	4,533	4,515	4,617	4,727	4,715	4,796	4,770	4,791	5,046	4,942	5,168
Unemployment rate	5.2	5.3	5.2	5.2	5.3	5.4	5.3	5.4	5.4	5.4	5.7	5.6	5.8
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force	15,024	14,806	14,962	15,064	15,448	15,535	15,275	15,165	15,158	15,411	15,666	15,551	15,398
Employed	13,673	13,515	13,573	13,762	14,161	14,163	13,987	13,822	13,906	14,102	14,302	14,168	14,123
Unemployed	1,351	1,291	1,389	1,302	1,287	1,372	1,288	1,343	1,252	1,309	1,364	1,383	1,275
Unemployment rate	9.0	8.7	9.3	8.6	8.3	8.6	8.4	8.9	8.3	8.5	8.7	8.9	8.3

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.

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

[Numbers in thousands]

Characteristics	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force	90,260	89,996	90,120	90,215	90,659	90,759	91,062	91,147	91,242	91,579	91,852	91,977	91,821
Employed	85,754	85,497	85,632	85,775	86,120	85,976	86,425	86,454	86,571	86,894	86,895	87,081	86,822
Unemployed	4,506	4,499	4,488	4,440	4,539	4,783	4,657	4,693	4,671	4,685	4,957	4,896	4,999
Unemployment rate	5.0	5.0	5.0	4.9	5.0	5.3	5.1	5.1	5.1	5.1	5.4	5.3	5.4
Males, 20 years and over:													
Civilian labor force	48,460	48,400	48,421	48,525	48,634	48,646	48,727	48,752	48,754	48,811	48,964	49,170	49,093
Employed	46,789	46,721	46,797	46,831	46,873	46,833	46,920	46,948	46,939	47,025	46,950	47,205	46,922
Unemployed	1,671	1,679	1,624	1,694	1,761	1,813	1,807	1,804	1,815	1,786	2,014	1,964	2,171
Unemployment rate	3.4	3.5	3.4	3.5	3.6	3.7	3.7	3.7	3.7	3.7	4.1	4.0	4.4
Females, 20 years and over:													
Civilian labor force	33,238	33,122	33,286	33,288	33,604	33,879	33,858	33,946	33,979	34,205	34,411	34,444	34,381
Employed	31,569	31,479	31,617	31,649	31,986	32,126	32,223	32,249	32,310	32,492	32,654	32,668	32,704
Unemployed	1,669	1,643	1,669	1,639	1,618	1,753	1,635	1,697	1,669	1,713	1,757	1,776	1,677
Unemployment rate	5.0	5.0	5.0	4.9	4.8	5.2	4.8	5.0	4.9	5.0	5.1	5.2	4.9
Both sexes, 16 to 19 years:													
Civilian labor force	8,562	8,474	8,413	8,402	8,421	8,234	8,497	8,449	8,509	8,563	8,477	8,363	8,347
Employed	7,396	7,297	7,218	7,295	7,261	7,017	7,282	7,257	7,322	7,377	7,291	7,207	7,196
Unemployed	1,166	1,177	1,195	1,107	1,160	1,217	1,215	1,192	1,187	1,186	1,186	1,156	1,151
Unemployment rate	13.6	13.9	14.2	13.2	13.8	14.8	14.3	14.1	13.9	13.9	14.0	13.8	13.8
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force	12,238	12,191	12,219	12,260	12,386	12,343	12,404	12,512	12,391	12,432	12,453	12,362	12,266
Employed	10,860	10,767	10,816	10,887	11,023	10,932	11,063	11,076	11,044	11,024	10,979	10,937	10,823
Unemployed	1,378	1,424	1,403	1,373	1,363	1,361	1,341	1,436	1,347	1,408	1,474	1,424	1,443
Unemployment rate	11.3	11.7	11.5	11.2	11.0	11.0	10.8	11.5	10.9	11.3	11.8	11.5	11.8
Males, 20 years and over:													
Civilian labor force	5,852	5,823	5,847	5,889	5,961	5,956	5,989	6,003	5,927	5,954	5,925	5,914	5,883
Employed	5,340	5,324	5,358	5,414	5,463	5,471	5,510	5,486	5,429	5,439	5,358	5,368	5,334
Unemployed	512	499	489	475	498	485	479	517	498	515	567	546	548
Unemployment rate	8.7	8.6	8.4	8.1	8.4	8.1	8.0	8.6	8.4	8.6	9.6	9.2	9.3
Females, 20 years and over:													
Civilian labor force	5,333	5,296	5,309	5,357	5,398	5,395	5,388	5,476	5,455	5,467	5,493	5,414	5,394
Employed	4,799	4,739	4,779	4,799	4,857	4,842	4,858	4,920	4,937	4,921	4,944	4,928	4,826
Unemployed	534	557	530	558	541	553	530	556	518	546	549	486	568
Unemployment rate	10.0	10.5	10.0	10.4	10.0	10.3	9.8	10.2	9.5	10.0	10.0	9.0	10.5
Both sexes, 16 to 19 years:													
Civilian labor force	1,053	1,072	1,063	1,014	1,027	992	1,027	1,033	1,009	1,011	1,035	1,034	990
Employed	721	704	675	674	703	669	695	670	678	664	677	642	663
Unemployed	332	368	384	340	324	323	332	363	331	347	358	392	327
Unemployment rate	31.5	34.3	36.1	33.5	31.5	32.6	32.3	35.1	32.8	34.3	34.6	37.9	33.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-36. Major unemployment indicators, seasonally adjusted**

(Unemployment rates)

Selected categories	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>CHARACTERISTICS</b>													
Total (all civilian workers) .....	5.7	5.8	5.8	5.7	5.7	5.9	5.8	5.9	5.8	5.9	6.2	6.0	6.2
Males, 20 years and over .....	4.0	4.0	3.9	4.0	4.1	4.2	4.2	4.2	4.3	4.2	4.7	4.6	4.9
Females, 20 years and over .....	5.7	5.7	5.7	5.7	5.5	5.9	5.5	5.7	5.6	5.7	5.8	5.7	5.7
Both sexes, 16-19 years .....	15.7	16.3	16.5	15.4	15.8	16.6	16.2	16.4	15.9	16.0	16.3	16.5	15.9
White .....	5.0	5.0	5.0	4.9	5.0	5.3	5.1	5.1	5.1	5.1	5.4	5.3	5.4
Black and other .....	11.3	11.7	11.5	11.2	11.0	11.0	10.8	11.5	10.9	11.3	11.8	11.5	11.8
Married men, spouse present .....	2.6	2.7	2.5	2.7	2.8	2.9	2.9	2.9	2.9	2.8	3.4	3.1	3.4
Married women, spouse present .....	5.2	5.2	5.2	5.1	4.9	5.3	4.8	5.2	4.8	5.0	5.2	5.4	5.3
Women who head families .....	8.2	8.3	8.6	9.0	8.1	7.9	7.7	8.4	8.4	8.4	9.2	8.5	8.7
Full-time workers .....	5.2	5.3	5.2	5.2	5.3	5.4	5.3	5.4	5.4	5.4	5.7	5.6	5.8
Part-time workers .....	9.0	8.7	9.3	8.6	8.3	8.8	8.4	8.9	8.3	8.5	8.7	8.9	8.3
Unemployed 15 weeks and over <sup>1</sup> .....	1.3	1.2	1.2	1.1	1.0	1.1	1.1	1.2	1.1	1.2	1.3	1.2	1.3
Labor force time lost <sup>2</sup> .....	6.2	6.4	6.3	6.3	6.4	6.4	6.2	6.4	6.4	6.4	6.7	6.6	6.8
<b>OCCUPATION</b>													
White-collar workers .....	3.3	3.3	3.2	3.4	3.3	3.5	3.3	3.4	3.2	3.3	3.4	3.4	3.3
Professional and technical .....	2.2	2.3	2.1	2.5	2.5	2.5	2.4	2.7	2.4	2.3	2.2	2.3	2.3
Managers and administrators, except farm .....	2.1	2.3	2.2	2.1	2.0	2.3	2.2	2.2	1.9	2.0	1.9	2.2	2.4
Sales workers .....	4.1	4.0	4.0	4.4	3.5	4.0	3.8	3.8	3.7	3.8	4.4	4.5	4.0
Clerical workers .....	4.8	4.5	4.5	4.6	4.5	4.9	4.5	4.7	4.4	4.6	4.8	4.7	4.5
Blue-collar workers .....	6.0	6.9	6.8	6.6	6.8	7.3	7.1	7.2	7.5	7.2	8.0	7.7	8.0
Craft and kindred workers .....	4.5	4.4	4.2	4.3	4.4	4.7	4.3	4.6	4.9	4.4	4.9	4.8	5.4
Operatives, except transport .....	7.8	8.5	8.2	7.7	8.3	8.9	9.0	9.1	9.0	9.0	9.9	9.2	9.3
Transport equipment operatives .....	5.2	5.9	5.4	5.7	5.1	6.2	6.1	5.6	5.2	5.0	6.9	6.7	6.6
Nonfarm laborers .....	10.2	10.6	11.1	10.6	11.0	11.3	11.0	10.7	12.2	12.2	12.3	12.0	13.0
Service workers .....	7.3	7.3	7.2	7.2	7.1	7.1	6.7	6.8	6.6	6.6	6.9	6.9	7.1
Farm workers .....	3.3	3.4	3.6	3.2	4.2	3.9	4.1	4.3	4.5	4.3	4.4	3.9	4.0
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers <sup>3</sup> .....	5.6	5.7	5.7	5.6	5.7	6.0	5.8	5.9	5.8	5.8	6.2	6.0	6.2
Construction .....	10.1	10.5	10.0	10.0	10.0	10.1	9.6	9.9	10.2	10.3	10.8	10.5	13.0
Manufacturing .....	5.2	5.3	5.4	5.4	5.7	5.9	6.0	6.0	5.9	5.9	6.7	6.4	6.5
Durable goods .....	4.4	4.7	4.4	4.9	5.4	5.4	5.3	5.5	5.6	5.5	6.7	6.3	6.4
Nondurable goods .....	6.4	6.3	6.9	6.3	6.2	6.8	7.1	6.8	6.3	6.4	6.8	6.7	6.7
Transportation .....	3.9	3.0	3.6	3.1	3.8	3.7	4.0	3.8	4.2	4.1	4.4	4.4	3.8
Wholesale and retail trade .....	6.3	6.6	6.4	6.7	6.3	6.5	6.4	6.4	6.5	6.4	6.6	6.4	6.3
Finance and service industries .....	4.8	4.8	4.9	4.7	4.9	5.2	4.7	4.9	4.6	4.7	4.6	4.6	4.9
Government workers .....	4.1	3.7	3.6	3.6	3.6	3.7	3.3	4.0	3.6	3.6	3.8	4.0	4.2
Agricultural wage and salary workers .....	8.0	8.7	9.3	7.8	9.7	9.9	10.0	9.9	10.1	9.4	10.3	9.2	10.2

<sup>1</sup> Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

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

<sup>3</sup> Includes mining, not shown separately.

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

(Numbers in thousands)

Weeks of unemployment	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>DURATION</b>													
Both sexes, 16 years and over:													
Less than 5 weeks .....	2,769	2,876	2,823	2,880	2,820	3,108	2,778	2,955	2,919	2,916	3,184	2,995	2,995
5 to 14 weeks .....	1,860	1,884	1,919	1,808	1,934	1,738	2,035	1,963	1,869	1,966	1,907	2,081	2,169
15 weeks and over .....	1,291	1,223	1,212	1,152	1,067	1,185	1,152	1,195	1,191	1,230	1,334	1,286	1,363
15 to 26 weeks .....	729	687	705	656	615	658	644	678	660	711	795	790	776
27 weeks and over .....	562	536	507	496	452	527	508	517	531	519	539	496	587
Average (mean) duration, in weeks .....	11.8	11.0	10.9	10.5	10.1	10.7	10.7	10.5	10.6	10.5	10.5	10.7	11.0
Median duration, in weeks .....	5.8	5.4	5.6	5.6	6.0	4.9	5.8	5.5	5.3	5.5	5.2	5.8	5.9
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	40.8	48.1	47.4	49.3	48.4	52.0	46.6	48.3	48.8	47.7	49.6	47.1	45.9
5 to 14 weeks .....	31.4	31.5	32.2	31.0	33.2	28.5	34.1	32.1	31.3	32.2	29.7	32.7	33.2
15 weeks and over .....	21.8	20.4	20.4	19.7	18.3	19.5	19.3	19.5	19.9	20.1	20.8	20.2	20.9
15 to 26 weeks .....	12.3	11.5	11.8	11.2	10.6	10.8	10.8	11.1	11.0	11.6	12.4	12.4	11.9
27 weeks and over .....	9.5	9.0	8.5	8.5	7.8	8.7	8.5	8.5	8.9	8.5	8.4	7.8	9.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

Sex and age	1979											1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>Total, 16 years and over</b>	5.7	5.8	5.8	5.7	5.7	5.9	5.8	5.9	5.8	5.9	6.2	6.0	6.2	
16 to 19 years	15.7	16.3	16.5	15.4	15.8	16.6	16.2	16.4	15.9	16.0	16.3	16.5	15.9	
16 to 17 years	18.5	18.7	18.9	17.5	17.3	18.5	16.9	18.4	17.3	18.0	19.0	18.7	17.4	
18 to 19 years	13.5	14.3	15.0	14.4	14.5	15.4	15.6	15.0	14.7	14.5	14.0	15.1	14.7	
20 to 24 years	8.8	8.6	8.9	8.9	9.1	9.3	9.2	9.6	8.8	9.8	10.1	9.5	9.7	
25 years and over	3.9	4.0	3.9	3.9	3.9	4.0	3.9	4.0	4.0	3.8	4.2	4.1	4.4	
25 to 54 years	4.1	4.2	4.0	4.1	4.0	4.2	4.1	4.2	4.3	4.1	4.4	4.5	4.7	
55 years and over	3.1	3.1	3.1	2.9	3.2	3.1	2.9	3.0	2.7	2.7	3.5	2.8	2.8	
<b>Males, 16 years and over</b>	5.0	5.1	5.0	4.9	5.1	5.2	5.2	5.2	5.2	5.2	5.7	5.5	5.7	
16 to 19 years	15.8	16.0	16.1	14.5	15.4	16.3	16.1	15.7	15.8	15.6	16.2	15.6	14.8	
16 to 17 years	18.9	17.9	18.9	16.8	16.1	18.0	16.7	17.1	17.8	17.9	19.0	18.0	15.9	
18 to 19 years	13.6	14.1	14.0	14.0	14.6	15.1	15.3	14.4	14.0	13.6	13.9	14.1	14.0	
20 to 24 years	8.3	8.0	8.2	8.3	8.6	8.8	8.8	9.5	8.4	9.4	10.4	9.9	10.4	
25 years and over	3.2	3.3	3.1	3.2	3.3	3.4	3.3	3.4	3.5	3.2	3.7	3.6	3.9	
25 to 54 years	3.3	3.3	3.2	3.2	3.4	3.5	3.6	3.5	3.8	3.4	3.8	3.8	4.2	
55 years and over	2.8	3.0	2.8	3.1	3.3	3.1	2.8	2.8	2.6	2.6	3.5	2.6	2.7	
<b>Females, 16 years and over</b>	6.8	6.9	6.9	6.8	6.6	7.0	6.6	6.9	6.6	6.8	6.8	6.8	6.8	
16 to 19 years	15.5	16.6	16.9	16.5	16.2	17.0	16.4	17.2	16.1	16.4	16.3	17.6	17.3	
16 to 17 years	18.0	19.6	18.8	18.3	18.6	19.0	17.2	19.8	16.7	18.0	19.1	19.5	19.2	
18 to 19 years	13.3	14.5	16.0	14.9	14.2	15.7	15.9	15.6	15.5	15.5	14.2	16.2	15.6	
20 to 24 years	9.5	9.4	9.7	9.7	9.4	9.8	9.6	9.7	9.3	10.2	9.8	9.1	9.0	
25 years and over	4.9	4.9	4.9	4.8	4.7	4.9	4.6	4.9	4.7	4.7	4.9	4.9	5.0	
25 to 54 years	5.3	5.3	5.2	5.2	5.0	5.3	5.0	5.2	5.0	5.1	5.2	5.4	5.5	
55 years and over	3.6	3.2	3.6	2.8	3.1	3.2	2.9	3.4	2.9	2.9	3.4	3.0	2.9	

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

[Numbers in thousands]

Reason for unemployment	1979											1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
<b>NUMBER OF UNEMPLOYED</b>														
Both sexes, 16 years and over:														
Job losers	2,457	2,520	2,356	2,449	2,526	2,680	2,632	2,731	2,729	2,728	2,988	2,907	3,047	
On layoff	791	839	725	816	797	915	855	929	987	944	1,019	1,031	1,129	
Other job losers	1,666	1,681	1,631	1,633	1,729	1,765	1,777	1,802	1,742	1,784	1,969	1,876	1,918	
Job leavers	364	847	940	857	846	875	825	835	845	800	779	813	788	
Reentrants	1,766	1,778	1,767	1,753	1,762	1,788	1,760	1,762	1,698	1,771	1,797	1,784	1,803	
New entrants	308	800	824	781	726	745	801	804	736	858	811	827	805	
<b>PERCENT DISTRIBUTION</b>														
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Job losers	41.7	42.4	40.0	41.9	43.1	44.0	43.7	44.5	45.4	44.3	46.9	45.9	47.3	
On layoff	13.4	14.1	12.3	14.0	13.6	15.0	14.2	15.2	16.4	15.3	16.0	16.3	17.5	
Other job losers	28.3	28.3	27.7	28.0	29.5	29.0	29.5	29.4	29.0	29.0	30.9	29.6	29.8	
Job leavers	14.7	14.2	16.0	14.7	14.4	14.4	13.7	13.6	14.1	13.0	12.2	12.8	12.2	
Reentrants	30.0	29.9	30.0	30.0	30.1	29.4	29.2	28.7	28.3	28.8	28.2	28.2	28.0	
New entrants	13.7	13.5	14.0	13.4	12.4	12.2	13.3	13.1	12.3	13.9	12.7	13.1	12.5	
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>														
Job losers	2.4	2.5	2.3	2.4	2.5	2.6	2.5	2.6	2.6	2.6	2.9	2.8	2.9	
Job leavers	.6	.8	.9	.8	.8	.8	.8	.8	.8	.8	.7	.8	.8	
Reentrants	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7	
New entrants	.8	.8	.8	.8	.7	.7	.8	.8	.7	.8	.8	.8	.8	



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total, 16 years and over</b> .....	96,623	96,254	96,495	96,652	97,184	97,004	97,504	97,474	97,608	97,912	97,804	97,953	97,656
16 to 19 years .....	8,110	7,989	7,926	7,994	7,986	7,693	7,976	7,919	7,986	8,032	7,952	7,818	7,859
16 to 17 years .....	3,320	3,275	3,212	3,252	3,242	3,048	3,335	3,251	3,315	3,320	3,247	3,120	3,185
18 to 19 years .....	4,781	4,713	4,699	4,704	4,725	4,623	4,665	4,674	4,694	4,717	4,726	4,722	4,660
20 to 24 years .....	13,914	13,937	13,867	13,859	13,910	13,849	13,949	13,875	13,920	13,837	13,819	13,846	13,749
25 years and over .....	74,575	74,296	74,711	74,864	75,290	75,436	75,616	75,728	75,650	76,030	76,080	76,295	76,012
25 to 54 years .....	60,236	60,092	60,331	60,552	60,986	61,082	61,208	61,302	61,281	61,686	61,799	61,815	61,719
55 years and over .....	14,364	14,241	14,311	14,305	14,304	14,399	14,381	14,417	14,368	14,350	14,292	14,464	14,326
<b>Males, 16 years and over</b> .....	56,449	56,294	56,372	56,477	56,570	56,408	56,714	56,629	56,580	56,734	56,486	56,732	56,601
16 to 19 years .....	4,298	4,245	4,214	4,276	4,245	4,097	4,261	4,186	4,206	4,256	4,207	4,201	4,301
16 to 17 years .....	1,784	1,774	1,745	1,754	1,743	1,632	1,839	1,758	1,755	1,783	1,745	1,719	1,804
18 to 19 years .....	2,509	2,473	2,470	2,489	2,485	2,445	2,452	2,430	2,462	2,477	2,478	2,494	2,488
20 to 24 years .....	7,519	7,593	7,519	7,530	7,510	7,498	7,590	7,531	7,533	7,498	7,441	7,477	7,453
25 years and over .....	44,636	44,418	44,658	44,681	44,806	44,818	44,912	44,924	44,796	44,966	44,883	45,070	44,833
25 to 54 years .....	35,828	35,701	35,857	35,921	36,020	35,962	36,052	36,100	36,020	36,206	36,161	36,136	36,036
55 years and over .....	8,840	8,746	8,802	8,767	8,789	8,831	8,844	8,793	8,782	8,759	8,723	8,904	8,842
<b>Females, 16 years and over</b> .....	40,174	39,960	40,123	40,175	40,614	40,596	40,790	40,845	41,028	41,178	41,318	41,221	41,054
16 to 19 years .....	3,812	3,744	3,712	3,718	3,741	3,596	3,715	3,733	3,780	3,776	3,744	3,617	3,558
16 to 17 years .....	1,536	1,501	1,467	1,498	1,499	1,416	1,496	1,493	1,560	1,537	1,502	1,401	1,381
18 to 19 years .....	2,276	2,250	2,229	2,215	2,240	2,178	2,213	2,244	2,232	2,240	2,248	2,228	2,172
20 to 24 years .....	6,395	6,344	6,348	6,329	6,400	6,351	6,359	6,344	6,387	6,339	6,377	6,369	6,296
25 years and over .....	29,939	29,878	30,053	30,183	30,484	30,618	30,704	30,804	30,854	31,064	31,197	31,225	31,178
25 to 54 years .....	24,408	24,391	24,474	24,631	24,966	25,120	25,156	25,202	25,261	25,480	25,638	25,679	25,683
55 years and over .....	5,524	5,495	5,509	5,538	5,515	5,568	5,537	5,624	5,586	5,591	5,569	5,560	5,484

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

[In thousands]

Sex and age	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total, 16 years and over</b> .....	5,882	5,944	5,903	5,824	5,909	6,124	5,990	6,121	6,044	6,087	6,425	6,307	6,438
16 to 19 years .....	1,506	1,555	1,565	1,459	1,495	1,534	1,544	1,554	1,512	1,527	1,545	1,547	1,487
16 to 17 years .....	754	754	747	690	676	690	680	732	692	728	764	716	671
18 to 19 years .....	745	790	829	791	803	841	860	825	811	802	772	841	806
20 to 24 years .....	1,346	1,316	1,355	1,359	1,386	1,415	1,413	1,470	1,346	1,505	1,554	1,458	1,482
25 years and over .....	3,025	3,071	2,997	3,005	3,041	3,155	3,036	3,140	3,168	3,040	3,326	3,300	3,463
25 to 54 years .....	2,572	2,606	2,520	2,562	2,567	2,697	2,647	2,698	2,744	2,650	2,818	2,899	3,064
55 years and over .....	400	456	465	434	478	467	422	449	403	400	512	412	410
<b>Males, 16 years and over</b> .....	2,972	2,999	2,941	2,893	3,027	3,083	3,098	3,098	3,124	3,089	3,392	3,283	3,441
16 to 19 years .....	808	809	811	724	773	797	816	781	789	786	815	776	745
16 to 17 years .....	416	367	407	355	334	358	370	363	380	390	410	377	342
18 to 19 years .....	395	407	403	404	431	436	442	410	402	391	399	411	405
20 to 24 years .....	678	659	674	682	723	724	734	789	692	782	860	817	863
25 years and over .....	1,479	1,525	1,451	1,483	1,531	1,575	1,552	1,565	1,642	1,505	1,719	1,680	1,826
25 to 54 years .....	1,219	1,237	1,201	1,201	1,252	1,299	1,327	1,322	1,405	1,282	1,410	1,435	1,573
55 years and over .....	253	272	258	276	302	283	254	254	237	231	314	242	246
<b>Females, 16 years and over</b> .....	2,910	2,945	2,962	2,931	2,882	3,041	2,892	3,023	2,920	2,998	3,034	3,025	2,997
16 to 19 years .....	698	746	754	735	722	737	728	773	723	741	730	771	742
16 to 17 years .....	338	367	340	335	342	332	310	369	312	338	354	339	329
18 to 19 years .....	350	383	426	387	372	405	418	415	409	411	373	430	401
20 to 24 years .....	668	657	681	677	663	691	679	681	654	723	694	641	620
25 years and over .....	1,540	1,546	1,546	1,522	1,510	1,580	1,484	1,575	1,526	1,535	1,607	1,621	1,637
25 to 54 years .....	1,353	1,369	1,347	1,361	1,315	1,398	1,320	1,376	1,339	1,368	1,408	1,465	1,491
55 years and over .....	207	184	207	158	176	184	168	195	166	169	198	170	165

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Selected categories	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>CHARACTERISTICS</b>													
Total, 16 years and over .....	96,623	96,254	96,495	96,652	97,184	97,004	97,504	97,474	97,608	97,912	97,804	97,953	97,656
Married men, spouse present .....	39,193	38,910	39,045	39,079	39,176	39,180	39,198	39,124	38,845	38,924	38,749	38,955	38,745
Married women, spouse present .....	22,605	22,376	22,547	22,664	22,908	22,869	22,937	22,919	22,940	23,027	23,111	23,178	23,202
<b>OCCUPATION</b>													
White-collar workers .....	48,996	49,061	49,136	49,192	49,536	49,663	49,816	49,738	49,912	49,911	50,313	50,448	50,302
Professional and technical .....	15,012	15,091	15,100	15,010	15,057	15,068	15,141	15,057	15,131	15,272	15,337	15,444	15,397
Managers and administrators, except farm .....	10,392	10,398	10,427	10,534	10,612	10,698	10,659	10,639	10,617	10,535	10,608	10,971	10,755
Sales workers .....	6,055	6,084	6,101	6,103	6,163	6,145	6,181	6,261	6,362	6,346	6,452	6,185	6,113
Clerical workers .....	17,537	17,488	17,508	17,545	17,704	17,752	17,835	17,781	17,802	17,758	17,915	17,848	18,037
Blue-collar workers .....	32,041	31,705	31,904	31,992	32,051	31,849	32,209	32,205	32,110	32,302	31,882	31,754	31,670
Craft and kindred workers .....	12,792	12,703	12,820	12,944	12,876	12,761	12,993	13,001	12,925	13,041	12,814	12,728	12,767
Operatives, except transport Transport equipment operatives .....	10,991	10,770	10,755	10,804	10,884	10,909	10,964	10,967	10,963	11,042	10,678	10,661	10,579
Nonfarm laborers .....	3,569	3,564	3,644	3,605	3,627	3,604	3,617	3,593	3,628	3,635	3,616	3,571	3,558
Farm workers .....	4,689	4,668	4,635	4,639	4,664	4,575	4,635	4,644	4,594	4,584	4,774	4,795	4,767
Service workers .....	12,847	12,907	12,772	12,805	12,766	12,621	12,859	12,937	12,899	12,970	12,979	13,080	12,981
Farm workers .....	2,774	2,659	2,628	2,679	2,678	2,707	2,722	2,695	2,718	2,694	2,660	2,764	2,733
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,415	1,379	1,424	1,423	1,419	1,384	1,399	1,381	1,475	1,451	1,428	1,417	1,449
Self-employed workers .....	1,583	1,553	1,519	1,539	1,558	1,614	1,642	1,602	1,622	1,596	1,554	1,648	1,600
Unpaid family workers .....	314	291	283	291	291	310	325	313	310	310	293	283	300
Nonagricultural industries:													
Wage and salary workers .....	86,439	86,105	86,232	86,309	86,454	86,421	86,912	86,982	87,020	87,384	87,578	87,419	87,221
Government .....	15,281	15,359	15,616	15,318	15,393	15,279	15,407	15,423	15,358	15,397	15,414	15,540	15,622
Private industries .....	71,158	70,746	70,616	70,991	71,061	71,142	71,505	71,559	71,662	71,987	72,163	71,879	71,599
Private households .....	1,262	1,172	1,195	1,235	1,219	1,211	1,313	1,261	1,211	1,228	1,132	1,178	1,115
Other industries .....	69,896	69,574	69,421	69,756	69,842	69,931	70,192	70,298	70,451	70,759	71,031	70,702	70,484
Self-employed workers .....	6,542	6,463	6,608	6,629	6,752	6,689	6,731	6,812	6,781	6,737	6,752	6,899	6,825
Unpaid family workers .....	446	465	460	474	519	450	449	430	417	409	379	397	376
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	87,847	86,608	87,785	87,749	88,769	88,855	88,723	88,638	88,617	89,180	89,454	88,985	88,585
Full-time schedules .....	72,529	71,659	72,496	72,243	72,915	73,053	73,159	73,204	72,997	73,137	73,223	73,110	72,749
Part-time for economic reasons .....	3,211	3,279	3,283	3,284	3,274	3,298	3,167	3,315	3,392	3,519	3,513	3,406	3,418
Usually work full-time .....	1,254	1,287	1,273	1,322	1,334	1,401	1,273	1,354	1,413	1,491	1,549	1,380	1,463
Usually work part-time .....	1,957	1,992	2,010	1,962	1,940	1,897	1,894	1,961	1,979	2,028	1,964	2,026	1,955
Part time for noneconomic reasons .....	12,107	11,670	12,006	12,222	12,580	12,504	12,397	12,119	12,228	12,524	12,718	12,469	12,418

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

# HOUSEHOLD DATA

## A-43. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed		Percent of labor force	
							Number		Percent of labor force	
Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	Mar. 1979	Mar. 1980	
<b>VETERANS<sup>1</sup></b>										
Total, 20 years and over .....	8,492	8,583	8,105	8,097	7,647	7,592	458	505	5.7	6.2
20 to 24 years .....	610	403	573	357	478	299	95	58	16.6	16.2
25 to 39 years .....	7,072	7,231	6,836	6,940	6,497	6,519	339	421	5.0	6.1
25 to 29 years .....	2,061	1,784	1,973	1,693	1,822	1,518	151	175	7.7	10.3
30 to 34 years .....	3,569	3,602	3,455	3,460	3,312	3,283	143	177	4.1	5.1
35 to 39 years .....	1,442	1,845	1,408	1,787	1,363	1,718	45	69	3.2	3.9
40 years and over .....	810	949	696	800	672	774	24	26	3.4	3.2
<b>NONVETERANS<sup>2</sup></b>										
Total, 25 to 39 years .....	14,312	15,215	13,552	14,399	12,966	13,568	586	831	4.3	5.8
25 to 29 years .....	6,511	6,965	6,110	6,566	5,777	6,102	333	464	5.5	7.1
30 to 34 years .....	4,104	4,450	3,905	4,239	3,764	4,028	141	211	3.6	5.0
35 to 39 years .....	3,697	3,800	3,537	3,594	3,425	3,438	112	156	3.2	4.3

<sup>1</sup> Vietnam-era veterans are those who served between August 5, 1964 and May 1975.

<sup>2</sup> Nonveterans are males who have never served in the Armed Forces. Published data are limited to those 25-39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-44. Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted**

[Numbers in thousands]

Employment status	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	157,582	158,223	158,898	159,531	160,126	160,715	161,355	162,037	162,663	163,260	163,894	164,682	165,302
Armed Forces <sup>1</sup> .....	2,136	2,130	2,135	2,132	2,122	2,110	2,120	2,115	2,093	2,079	2,088	2,091	2,086
Civilian noninstitutional population <sup>1</sup> .....	155,446	156,094	156,764	157,399	158,004	158,605	159,235	159,922	160,570	161,181	161,806	162,591	163,216
Civilian labor force.....	96,152	97,135	97,638	98,584	99,136	100,173	100,777	101,538	102,315	102,357	103,238	103,749	104,194
Percent of civilian population.....	61.9	62.2	62.3	62.6	62.7	63.2	63.3	63.5	63.7	63.5	63.8	63.8	63.8
Employed.....	86,974	90,188	90,913	92,108	92,954	94,145	94,734	95,653	96,425	96,467	97,231	97,665	97,804
Percent of total population.....	56.5	57.0	57.2	57.7	58.1	58.6	58.7	59.0	59.3	59.1	59.3	59.3	59.2
Agriculture.....	3,166	3,318	3,195	3,291	3,324	3,336	3,367	3,331	3,296	3,235	3,315	3,346	3,318
Nonagricultural industries.....	85,808	84,869	87,718	88,817	89,630	90,809	91,367	92,323	93,130	93,232	93,915	94,319	94,886
Unemployed.....	7,178	6,948	6,726	6,476	6,182	6,028	6,043	5,885	5,890	5,890	6,008	6,084	6,390
Unemployment rate.....	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.8	5.8	5.8	5.8	6.1
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	67,023	67,321	67,641	67,951	68,238	68,520	68,831	69,184	69,491	69,766	70,100	70,487	70,794
Civilian noninstitutional population <sup>1</sup> .....	65,338	65,635	65,949	66,261	66,556	66,844	67,134	67,489	67,827	68,123	68,419	68,814	69,142
Civilian labor force.....	52,059	52,293	52,487	52,538	53,090	53,374	53,465	53,886	54,285	54,299	54,637	54,750	54,963
Percent of civilian population.....	79.7	79.7	79.6	79.9	79.8	79.8	79.6	79.8	80.0	79.7	79.7	79.6	79.5
Employed.....	49,100	49,522	49,878	50,445	50,698	51,133	51,282	51,737	52,129	52,136	52,363	52,432	52,370
Percent of total population.....	73.3	73.6	73.7	74.2	74.3	74.6	74.5	74.8	75.0	74.7	74.7	74.4	74.0
Agriculture.....	2,260	2,336	2,300	2,326	2,341	2,360	2,382	2,353	2,327	2,300	2,360	2,412	2,405
Nonagricultural industries.....	46,840	47,184	47,578	48,119	48,357	48,773	48,901	49,383	49,801	49,836	50,003	50,020	49,965
Unemployed.....	2,959	2,770	2,609	2,493	2,392	2,241	2,162	2,149	2,156	2,163	2,274	2,318	2,593
Unemployment rate.....	5.7	5.3	5.0	4.7	4.5	4.2	4.1	4.0	4.0	4.0	4.2	4.2	4.7
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	73,746	74,079	74,429	74,770	75,094	75,413	75,756	76,112	76,455	76,782	77,129	77,547	77,891
Civilian noninstitutional population <sup>1</sup> .....	73,653	73,984	74,331	74,671	74,994	75,310	75,649	76,003	76,345	76,670	77,009	77,425	77,766
Civilian labor force.....	35,024	35,581	35,834	36,276	36,687	37,265	37,657	38,041	38,393	38,562	39,192	39,489	39,829
Percent of civilian population.....	47.6	48.1	48.2	48.6	48.9	49.5	49.8	50.1	50.3	50.3	50.9	51.0	51.2
Employed.....	32,490	33,092	33,361	33,841	34,484	35,002	35,362	35,863	36,190	36,361	36,983	37,254	37,558
Percent of total population.....	44.1	44.7	44.8	45.3	45.9	46.4	46.7	47.1	47.3	47.4	47.9	48.0	48.2
Unemployed.....	2,534	2,488	2,473	2,435	2,204	2,263	2,295	2,178	2,203	2,201	2,209	2,235	2,271
Unemployment rate.....	7.2	7.0	6.9	6.7	6.0	6.1	6.1	5.7	5.7	5.7	5.6	5.7	5.7
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,813	16,823	16,828	16,810	16,794	16,782	16,768	16,742	16,717	16,692	16,666	16,648	16,616
Civilian noninstitutional population <sup>1</sup> .....	16,454	16,475	16,484	16,468	16,454	16,452	16,452	16,429	16,398	16,389	16,377	16,352	16,308
Civilian labor force.....	9,069	9,262	9,317	9,370	9,358	9,534	9,656	9,612	9,637	9,496	9,409	9,510	9,403
Percent of civilian population.....	55.1	56.2	56.5	56.5	56.9	57.9	58.7	58.5	58.8	57.9	57.5	58.2	57.7
Employed.....	7,384	7,573	7,674	7,822	7,772	8,010	8,090	8,054	8,106	7,970	7,885	7,979	7,876
Percent of total population.....	43.9	45.0	45.6	46.5	46.3	47.7	48.2	48.1	48.5	47.7	47.3	47.9	47.4
Unemployed.....	1,685	1,689	1,643	1,548	1,586	1,524	1,565	1,558	1,530	1,526	1,524	1,531	1,526
Unemployment rate.....	18.6	18.2	17.6	16.5	16.9	16.0	16.2	16.2	15.9	16.1	16.2	16.1	16.2
<b>White</b>													
Total noninstitutional population <sup>1</sup> .....	138,574	139,084	139,620	140,107	140,568	141,028	141,526	142,034	142,521	142,977	143,462	144,102	144,574
Civilian noninstitutional population <sup>1</sup> .....	136,812	137,333	137,870	138,364	138,839	139,323	139,822	140,336	140,857	141,330	141,821	142,468	142,957
Civilian labor force.....	85,055	85,924	86,286	87,048	87,360	88,249	88,739	89,424	90,161	90,110	90,833	91,323	91,883
Percent of civilian population.....	62.2	62.6	62.6	62.9	62.9	63.3	63.5	63.7	64.0	63.8	64.0	64.1	64.3
Employed.....	79,327	80,424	81,081	82,093	82,635	83,665	84,111	84,930	85,658	85,635	86,174	86,640	86,933
Percent of total population.....	57.2	57.8	58.1	58.6	58.8	59.3	59.4	59.8	60.1	59.9	60.1	60.1	60.1
Unemployed.....	5,728	5,500	5,205	4,955	4,725	4,584	4,628	4,494	4,503	4,476	4,660	4,683	4,950
Unemployment rate.....	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.0	5.0	5.0	5.1	5.1	5.4
<b>Black and other</b>													
Total noninstitutional population <sup>1</sup> .....	19,008	19,139	19,279	19,424	19,557	19,687	19,829	20,003	20,142	20,282	20,432	20,581	20,728
Civilian noninstitutional population <sup>1</sup> .....	18,634	18,761	18,894	19,035	19,164	19,282	19,413	19,585	19,713	19,851	19,985	20,123	20,259
Civilian labor force.....	11,092	11,196	11,340	11,555	11,773	11,909	12,034	12,131	12,172	12,223	12,378	12,445	12,360
Percent of civilian population.....	59.5	59.7	60.0	60.7	61.4	61.8	62.0	61.9	61.7	61.6	61.9	61.8	61.0
Employed.....	9,657	9,762	9,800	10,030	10,313	10,480	10,611	10,742	10,781	10,823	11,023	11,048	10,913
Percent of total population.....	50.8	51.0	50.6	51.6	52.7	53.2	53.5	53.7	53.5	53.4	53.9	53.7	52.7
Unemployed.....	1,436	1,434	1,540	1,525	1,460	1,429	1,423	1,389	1,391	1,400	1,355	1,397	1,447
Unemployment rate.....	12.9	12.8	13.6	13.2	12.4	12.0	11.8	11.5	11.4	11.5	10.9	11.2	11.7

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-44 through A-63 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-45. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted**

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force	81,923	82,711	83,249	83,821	84,399	85,250	85,978	86,434	87,208	87,437	87,856	88,480	88,659
Employed <sup>1</sup>	76,269	77,206	77,888	78,704	79,546	80,574	81,263	81,909	82,669	82,875	83,170	83,694	83,607
Unemployed	5,654	5,505	5,361	5,118	4,853	4,676	4,715	4,525	4,539	4,562	4,686	4,786	5,052
Unemployment rate	6.9	6.7	6.4	6.1	5.8	5.5	5.5	5.2	5.2	5.2	5.3	5.4	5.7
Males, 20 years and over:													
Civilian labor force	52,025	52,179	52,221	52,483	52,510	52,719	52,772	53,154	53,591	53,677	53,951	54,136	54,414
Employed <sup>1</sup>	46,650	47,083	47,357	47,896	48,155	48,598	48,761	49,212	49,633	49,687	49,769	49,824	49,615
Unemployed	2,687	2,548	2,432	2,293	2,178	2,061	2,006	1,971	1,979	1,995	2,091	2,156	2,399
Unemployment rate	5.4	5.1	4.9	4.6	4.3	4.1	4.0	3.9	3.8	3.9	4.0	4.1	4.6
Females, 20 years and over:													
Civilian labor force	29,642	30,037	30,355	30,453	30,809	31,146	31,664	31,782	32,089	32,359	32,681	33,044	33,319
Employed <sup>1</sup>	25,600	26,016	26,331	26,547	27,205	27,557	27,995	28,410	28,646	28,870	29,191	29,538	29,762
Unemployed	2,021	2,010	2,012	1,953	1,802	1,794	1,834	1,686	1,722	1,745	1,745	1,753	1,778
Unemployment rate	7.3	7.2	7.1	6.9	6.2	6.1	6.1	5.6	5.7	5.7	5.6	5.6	5.6
Both sexes, 16-19 years:													
Civilian labor force	5,911	6,001	6,034	6,003	5,933	6,061	6,257	6,023	6,067	5,962	5,910	6,086	5,979
Employed <sup>1</sup>	4,019	4,107	4,200	4,261	4,187	4,419	4,506	4,287	4,391	4,318	4,209	4,332	4,230
Unemployed	946	947	917	871	873	821	875	868	838	822	850	877	875
Unemployment rate	19.1	18.7	17.9	17.0	17.3	15.7	16.3	16.8	16.0	16.0	16.8	16.8	17.1
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force	14,222	14,421	14,414	14,740	14,709	14,918	14,816	15,064	15,097	14,944	15,419	15,245	15,538
Employed <sup>1</sup>	12,718	12,970	13,041	13,377	13,383	13,561	13,490	13,708	13,744	13,617	14,104	13,943	14,198
Unemployed	1,503	1,451	1,373	1,363	1,326	1,357	1,326	1,356	1,354	1,327	1,316	1,301	1,341
Unemployment rate	10.6	10.1	9.5	9.2	9.0	9.1	8.9	9.0	9.0	8.9	8.5	8.5	8.6
Males, 20 years and over:													
Civilian labor force	2,683	2,687	2,707	2,747	2,734	2,749	2,685	2,698	2,671	2,649	2,763	2,761	2,923
Employed <sup>1</sup>	2,446	2,455	2,511	2,540	2,537	2,563	2,503	2,518	2,502	2,477	2,577	2,594	2,738
Unemployed	237	232	196	208	197	187	182	180	169	172	187	167	185
Unemployment rate	8.8	8.6	7.2	7.6	7.2	6.8	6.8	6.7	6.3	6.5	6.8	6.0	6.3
Females, 20 years and over:													
Civilian labor force	7,433	7,545	7,492	7,754	7,694	7,910	7,836	7,922	8,038	7,950	8,271	8,176	8,325
Employed <sup>1</sup>	6,907	7,064	7,036	7,283	7,277	7,440	7,382	7,444	7,541	7,495	7,815	7,705	7,815
Unemployed	526	480	455	471	417	471	454	478	497	455	456	472	510
Unemployment rate	7.1	6.4	6.1	6.1	5.4	6.0	5.8	6.0	6.2	5.7	5.5	5.8	6.1
Both sexes, 16-19 years:													
Civilian labor force	4,106	4,190	4,216	4,239	4,280	4,258	4,295	4,444	4,388	4,345	4,385	4,308	4,290
Employed <sup>1</sup>	3,366	3,451	3,493	3,555	3,569	3,558	3,605	3,746	3,701	3,645	3,712	3,645	3,644
Unemployed	740	739	722	684	712	700	689	698	688	700	673	663	646
Unemployment rate	18.0	17.6	17.1	16.1	16.6	16.4	16.1	15.7	15.7	16.1	15.3	15.4	15.1

<sup>1</sup> 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  
QUARTERLY AVERAGES**

**A-46. Employment status by race, sex, and age, seasonally adjusted**

(Numbers in thousands)

Characteristics	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force .....	85,055	85,924	86,236	87,048	87,360	88,249	88,739	89,424	90,161	90,110	90,833	91,323	91,883
Employed .....	79,327	80,424	81,081	82,093	82,635	83,665	84,111	84,930	85,658	85,635	86,174	86,640	86,933
Unemployed .....	5,728	5,500	5,205	4,955	4,725	4,584	4,628	4,494	4,503	4,476	4,660	4,683	4,950
Unemployment rate .....	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.0	5.0	5.0	5.1	5.1	5.4
Males, 20 years and over:													
Civilian labor force .....	46,544	46,815	47,018	47,366	47,420	47,678	47,745	48,047	48,464	48,449	48,669	48,772	49,075
Employed .....	44,155	44,577	44,974	45,420	45,547	45,941	46,036	46,383	46,794	46,783	46,875	46,971	47,026
Unemployed .....	2,389	2,238	2,044	1,946	1,873	1,737	1,709	1,664	1,670	1,666	1,794	1,802	2,050
Unemployment rate .....	5.1	4.8	4.3	4.1	3.9	3.6	3.6	3.5	3.4	3.4	3.7	3.7	4.2
Females, 20 years and over:													
Civilian labor force .....	30,327	30,782	30,958	31,322	31,603	32,096	32,408	32,818	33,118	33,232	33,780	34,043	34,412
Employed .....	28,341	28,856	29,042	29,478	29,944	30,389	30,674	31,179	31,459	31,582	32,112	32,350	32,675
Unemployed .....	1,986	1,926	1,916	1,845	1,659	1,708	1,734	1,639	1,659	1,650	1,669	1,693	1,737
Unemployment rate .....	6.5	6.3	6.2	5.9	5.2	5.3	5.3	5.0	5.0	5.0	4.9	5.0	5.0
Both sexes, 16 to 19 years:													
Civilian labor force .....	8,184	8,327	8,310	8,359	8,336	8,474	8,587	8,560	8,579	8,430	8,384	8,507	8,396
Employed .....	6,831	6,991	7,064	7,195	7,144	7,335	7,401	7,369	7,404	7,270	7,187	7,319	7,231
Unemployed .....	1,353	1,336	1,246	1,164	1,193	1,139	1,186	1,191	1,174	1,160	1,197	1,188	1,164
Unemployment rate .....	16.5	16.0	15.0	13.9	14.3	13.4	13.8	13.9	13.7	13.8	14.3	14.0	13.9
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force .....	11,092	11,196	11,340	11,555	11,773	11,909	12,034	12,131	12,172	12,223	12,378	12,445	12,360
Employed .....	9,657	9,762	9,800	10,030	10,313	10,480	10,611	10,742	10,781	10,823	11,023	11,048	10,913
Unemployed .....	1,436	1,434	1,540	1,525	1,460	1,429	1,423	1,389	1,391	1,400	1,355	1,397	1,447
Unemployment rate .....	12.9	12.8	13.6	13.2	12.4	12.0	11.8	11.5	11.4	11.5	10.9	11.2	11.7
Males, 20 years and over:													
Civilian labor force .....	5,482	5,495	5,482	5,565	5,661	5,707	5,725	5,827	5,830	5,853	5,969	5,961	5,907
Employed .....	4,935	4,968	4,895	5,019	5,144	5,211	5,242	5,347	5,337	5,365	5,481	5,451	5,353
Unemployed .....	547	527	587	546	516	496	483	480	494	488	488	510	554
Unemployment rate .....	10.0	9.6	10.7	9.8	9.1	8.7	8.4	8.2	8.5	8.3	8.2	8.6	9.4
Females, 20 years and over:													
Civilian labor force .....	4,713	4,787	4,855	4,973	5,089	5,159	5,235	5,244	5,277	5,321	5,394	5,466	5,434
Employed .....	4,161	4,224	4,300	4,384	4,539	4,605	4,674	4,706	4,732	4,772	4,852	4,926	4,899
Unemployed .....	552	563	555	589	550	554	560	538	545	548	541	540	534
Unemployment rate .....	11.7	11.8	11.4	11.8	10.8	10.7	10.7	10.3	10.3	10.3	10.0	9.9	9.8
Both sexes, 16 to 19 years:													
Civilian labor force .....	897	914	1,003	1,017	1,024	1,043	1,075	1,061	1,064	1,050	1,015	1,018	1,020
Employed .....	561	570	605	626	630	663	695	689	712	686	689	671	661
Unemployed .....	336	344	398	391	394	379	380	371	353	364	326	347	359
Unemployment rate .....	37.5	37.7	39.7	38.4	36.5	36.4	35.4	35.0	33.1	34.7	32.1	34.1	35.2

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**A-47. Major unemployment indicators, seasonally adjusted**

[Unemployment rates]

Selected categories	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>CHARACTERISTICS</b>													
Total (all civilian workers) .....	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.8	5.8	5.8	5.9	6.1
Males, 20 years and over .....	5.7	5.3	5.0	4.7	4.5	4.2	4.1	4.0	4.0	4.0	4.2	4.2	4.7
Females, 20 years and over .....	7.2	7.0	6.9	6.7	6.0	6.1	6.1	5.7	5.7	5.7	5.6	5.7	5.7
Both sexes, 16-19 years .....	18.6	13.2	17.6	16.5	16.9	16.0	16.2	16.2	15.9	16.1	16.2	16.1	16.2
White .....	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.0	5.0	5.0	5.1	5.1	5.4
Black and other .....	12.9	12.8	13.6	13.2	12.4	12.0	11.8	11.5	11.4	11.5	10.9	11.2	11.7
Married men, spouse present .....	4.0	3.6	3.4	3.3	3.0	2.8	2.7	2.5	2.6	2.6	2.9	2.9	3.3
Married women, spouse present .....	6.8	6.7	6.4	6.2	5.5	5.5	5.6	5.4	5.3	5.2	5.0	5.0	5.3
Women who head families .....	9.6	9.2	9.7	8.9	8.2	9.3	8.6	7.7	8.2	8.6	7.9	8.4	8.8
Full-time workers .....	6.9	6.7	6.4	6.1	5.8	5.5	5.5	5.2	5.2	5.2	5.3	5.4	5.7
Part-time workers .....	10.6	10.1	9.5	9.2	9.0	9.1	8.9	9.0	9.0	8.9	8.5	8.5	8.6
Unemployed 15 weeks and over <sup>1</sup> .....	2.2	2.0	1.9	1.8	1.6	1.4	1.3	1.2	1.2	1.2	1.1	1.2	1.3
Labor force time lost <sup>2</sup> .....	8.0	7.6	7.4	7.2	6.7	6.5	6.6	6.2	6.2	6.3	6.3	6.4	6.7
<b>OCCUPATION</b>													
White-collar workers .....	4.6	4.3	4.1	4.1	3.6	3.6	3.6	3.3	3.4	3.3	3.4	3.3	3.4
Professional and technical .....	3.2	3.2	2.9	2.8	2.7	2.6	2.5	2.7	2.4	2.3	2.5	2.4	2.3
Managers and administrators, except farm .....	3.0	2.9	2.5	2.7	2.2	2.0	2.1	2.0	2.0	2.2	2.2	2.0	2.2
Sales workers .....	5.6	5.3	5.1	4.9	4.2	4.3	4.2	3.7	4.1	4.1	3.8	3.8	4.3
Clerical workers .....	6.3	5.8	5.7	5.6	4.9	5.2	5.0	4.5	4.7	4.5	4.6	4.6	4.7
Blue-collar workers .....	8.7	8.1	7.9	7.4	7.2	6.7	6.8	6.6	6.5	6.8	7.1	7.3	7.9
Craft and kindred workers .....	6.2	5.6	5.4	5.1	5.0	4.5	4.5	4.4	4.5	4.3	4.5	4.6	5.0
Operatives, except transport .....	9.9	9.4	9.5	9.0	8.4	8.1	8.2	7.6	7.8	8.1	8.7	9.0	9.4
Transport equipment operatives .....	7.4	6.5	6.4	5.8	5.3	5.3	5.3	4.9	5.1	5.6	5.8	5.3	6.7
Nonfarm laborers .....	13.0	12.4	11.5	11.1	11.5	9.8	10.3	10.9	9.8	10.8	11.1	11.7	12.4
Service workers .....	8.4	8.5	8.0	7.8	7.5	7.5	7.3	7.3	7.4	7.3	7.0	6.7	7.0
Farm workers .....	5.2	4.8	4.3	4.2	4.2	3.4	3.7	3.8	3.2	3.4	4.0	4.4	4.1
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers <sup>3</sup> .....	7.5	7.1	6.8	6.5	6.2	5.9	5.9	5.7	5.6	5.7	5.9	5.9	6.1
Construction .....	14.3	13.0	11.7	11.1	11.0	9.9	10.4	11.0	10.4	10.2	9.9	10.1	11.4
Manufacturing .....	7.2	6.6	6.7	6.2	5.7	5.6	5.4	5.1	5.1	5.4	5.9	5.9	6.5
Durable goods .....	6.8	6.0	6.1	5.7	5.2	4.9	5.0	4.5	4.4	4.7	5.4	5.5	6.4
Nondurable goods .....	7.7	7.5	7.5	6.9	6.5	6.5	6.0	6.0	6.1	6.5	6.7	6.5	6.7
Transportation and public utilities .....	5.0	4.5	4.7	4.6	3.8	3.9	3.7	3.3	3.6	3.2	3.8	4.0	4.2
Wholesale and retail trade .....	8.5	8.1	7.9	7.5	7.2	6.8	6.7	6.7	6.5	6.5	6.4	6.4	6.4
Finance and service industries .....	6.3	6.2	5.7	5.7	5.3	5.1	5.2	4.9	4.9	4.8	4.9	4.7	4.7
Government workers .....	4.3	4.1	4.1	4.2	3.8	4.0	3.9	3.9	3.9	3.6	3.5	3.8	4.0
Agricultural wage and salary workers .....	12.8	11.9	9.9	9.8	9.6	8.1	8.7	8.5	8.0	8.6	9.8	9.8	9.9

<sup>1</sup> Unemployment as a percent of civilian labor force.

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

<sup>3</sup> as a percent of potentially available labor force hours.

<sup>3</sup> Includes mining, not shown separately.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-48. Unemployed persons by duration of unemployment, seasonally adjusted**

[Numbers in thousands]

Weeks of unemployment	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>DURATION</b>													
Both sexes, 16 years and over:													
Less than 5 weeks .....	2,900	2,940	2,803	2,757	2,749	2,779	2,858	2,786	2,766	2,860	2,922	2,930	3,058
5 to 14 weeks .....	2,166	2,056	2,096	2,001	1,895	1,871	1,865	1,854	1,873	1,870	1,902	1,933	2,052
15 weeks and over .....	2,107	1,902	1,844	1,735	1,542	1,396	1,284	1,238	1,253	1,196	1,135	1,205	1,328
15 to 26 weeks .....	932	845	916	860	828	740	664	709	712	683	639	683	787
27 weeks and over .....	1,175	1,057	928	876	715	655	620	529	541	513	496	522	541
Average (mean duration, in weeks .....	14.6	14.5	14.0	13.7	12.7	12.2	11.6	11.2	11.4	10.8	10.5	10.5	10.8
Median duration, in weeks .....	7.3	7.1	7.0	6.9	6.4	5.9	5.9	5.6	5.8	5.5	5.6	5.4	5.6
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	40.4	42.6	41.6	42.5	44.4	46.0	47.6	47.4	47.0	48.3	49.0	48.3	47.5
5 to 14 weeks .....	30.2	29.8	31.1	30.8	30.6	30.9	31.1	31.5	31.8	31.6	31.9	31.9	31.9
15 weeks and over .....	29.4	27.6	27.3	26.7	24.9	23.1	21.4	21.1	21.3	20.2	19.0	19.9	20.6
15 to 26 weeks .....	13.0	12.3	13.6	13.2	13.4	12.2	11.1	12.1	12.1	11.5	10.7	11.3	12.2
27 weeks and over .....	16.4	15.3	13.8	13.5	11.6	10.8	10.3	9.0	9.2	8.7	8.3	8.6	8.4

**A-49. Rates of unemployment by sex and age, seasonally adjusted**

Sex and age	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>Total, 16 years and over .....</b>	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.8	5.8	5.8	5.9	6.1
16 to 19 years .....	18.6	18.2	17.6	16.5	16.9	16.0	16.2	16.2	15.9	16.1	16.2	16.1	16.2
16 to 17 years .....	20.9	20.5	19.9	18.5	19.8	18.7	19.5	19.3	18.5	18.4	17.5	17.9	18.4
18 to 19 years .....	17.0	16.7	15.9	15.1	14.9	14.1	13.7	13.9	13.9	14.6	15.2	14.8	14.6
20 to 24 years .....	11.5	11.0	10.9	10.2	10.3	9.5	9.4	8.9	8.7	8.8	9.2	9.4	9.8
25 years and over .....	5.2	5.0	4.8	4.6	4.1	4.1	4.0	3.9	3.9	3.9	3.9	3.9	4.2
25 to 54 years .....	5.4	5.2	5.0	4.8	4.3	4.3	4.3	4.1	4.1	4.1	4.1	4.2	4.5
55 years and over .....	4.4	4.1	3.9	4.0	3.3	3.2	3.1	2.9	3.0	3.1	3.1	2.8	3.0
<b>Males, 16 years and over .....</b>	6.7	6.4	6.1	5.7	5.5	5.1	5.1	5.0	5.0	5.0	5.1	5.2	5.6
16 to 19 years .....	18.1	17.7	17.4	15.9	16.3	15.1	15.4	16.2	16.0	15.5	15.9	15.7	15.5
16 to 17 years .....	20.2	20.2	20.2	17.5	19.5	18.4	18.9	19.9	19.1	17.9	16.9	17.6	17.6
18 to 19 years .....	16.7	16.1	15.1	14.5	13.9	12.9	12.6	13.2	13.8	14.0	15.1	14.0	14.0
20 to 24 years .....	11.4	10.9	10.8	9.7	10.1	8.7	8.8	8.6	8.2	8.2	8.8	9.1	10.2
25 years and over .....	4.6	4.3	4.0	3.9	3.5	3.4	3.3	3.2	3.2	3.2	3.3	3.4	3.7
25 to 54 years .....	4.7	4.4	4.1	3.9	3.5	3.4	3.4	3.3	3.3	3.3	3.5	3.6	3.9
55 years and over .....	4.3	3.7	3.6	3.8	3.2	3.2	3.0	2.7	2.8	3.0	3.1	2.7	2.9
<b>Females, 16 years and over .....</b>	8.5	8.3	8.1	7.8	7.2	7.2	7.3	6.8	6.8	6.8	6.7	6.8	6.8
16 to 19 years .....	19.2	18.8	17.9	17.3	17.8	16.9	17.1	16.2	15.7	16.7	16.5	16.5	17.0
16 to 17 years .....	21.7	20.9	19.5	19.7	20.1	18.9	20.2	18.7	17.8	18.9	18.2	18.2	19.3
18 to 19 years .....	17.3	17.4	16.8	15.7	16.1	15.5	14.9	14.7	13.9	15.2	15.3	15.5	15.3
20 to 24 years .....	11.7	11.1	10.9	10.9	10.4	10.5	10.1	9.3	9.3	9.6	9.6	9.7	9.3
25 years and over .....	6.2	6.1	6.0	5.8	5.0	5.1	5.2	4.9	4.9	4.9	4.7	4.8	4.9
25 to 54 years .....	6.6	6.5	6.3	6.1	5.4	5.6	5.6	5.2	5.3	5.3	5.1	5.1	5.4
55 years and over .....	4.6	4.6	4.5	4.3	3.5	3.2	3.3	3.3	3.4	3.2	3.1	3.1	3.1



**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**A-50. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reason for unemployment	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>NUMBER OF UNEMPLOYED</b>													
Both sexes, 16 years and over:													
Job losers .....	3,328	3,094	3,056	2,842	2,612	2,534	2,452	2,413	2,458	2,442	2,613	2,729	2,981
On layoff .....	914	837	858	770	713	660	693	707	774	793	856	953	1,060
Other job losers .....	2,414	2,256	2,198	2,072	1,899	1,874	1,759	1,705	1,684	1,648	1,757	1,776	1,921
Job leavers .....	904	908	862	890	865	847	848	851	864	881	849	827	793
Reentrants .....	1,975	1,975	1,869	1,880	1,834	1,775	1,847	1,795	1,751	1,766	1,770	1,744	1,795
New entrants .....	947	975	957	873	895	862	869	843	830	802	757	799	814
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	46.5	44.5	45.3	43.8	42.1	42.1	40.8	40.9	41.6	41.4	43.6	44.8	46.7
On layoff .....	12.8	12.0	12.7	11.9	11.5	11.0	11.5	12.0	13.1	13.5	14.3	15.6	16.6
Other job losers .....	33.7	32.5	32.6	32.0	30.6	31.1	29.2	28.9	28.5	28.0	29.3	29.1	30.1
Job leavers .....	12.6	13.1	12.8	13.7	13.9	14.1	14.1	14.4	14.6	15.0	14.2	13.6	12.4
Reentrants .....	27.6	28.4	27.7	29.0	29.5	29.5	30.7	30.4	29.7	30.0	29.6	28.6	28.1
New entrants .....	13.2	14.0	14.2	13.5	14.4	14.3	14.4	14.3	14.1	13.6	12.6	13.1	12.8
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.5	3.2	3.1	2.9	2.6	2.5	2.4	2.4	2.4	2.4	2.5	2.6	2.9
On layoff .....	.9	.9	.9	.9	.9	.8	.8	.8	.8	.9	.8	.8	.8
Other job losers .....	2.1	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
Job leavers .....	1.0	1.0	1.0	.9	.9	.9	.9	.8	.8	.8	.7	.8	.8

**A-51. Employed persons by sex and age, seasonally adjusted**

(In thousands)

Sex and age	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>Total, 16 years and over .....</b>	<b>88,974</b>	<b>90,188</b>	<b>90,913</b>	<b>92,108</b>	<b>92,954</b>	<b>94,145</b>	<b>94,734</b>	<b>95,653</b>	<b>96,425</b>	<b>96,467</b>	<b>97,231</b>	<b>97,665</b>	<b>97,804</b>
16 to 19 years .....	7,384	7,573	7,674	7,822	7,772	8,010	8,090	8,054	8,106	7,970	7,885	7,979	7,876
16 to 17 years .....	2,970	3,041	3,116	3,210	3,159	3,294	3,326	3,297	3,334	3,246	3,208	3,295	3,184
18 to 19 years .....	4,414	4,532	4,558	4,612	4,613	4,716	4,764	4,757	4,772	4,724	4,677	4,684	4,692
20 to 24 years .....	12,633	12,763	12,927	13,089	13,177	13,471	13,584	13,752	13,900	13,888	13,903	13,877	13,805
25 years and over .....	68,960	69,859	70,307	71,191	71,997	72,674	73,057	73,844	74,416	74,624	75,447	75,803	76,129
25 to 54 years .....	55,424	56,131	56,591	57,262	58,023	58,506	58,906	59,599	60,043	60,325	61,092	61,423	61,778
55 years and over .....	13,537	13,728	13,714	13,929	13,974	14,168	14,151	14,245	14,373	14,300	14,355	14,384	14,351
<b>Males, 16 years and over .....</b>	<b>53,086</b>	<b>53,643</b>	<b>54,005</b>	<b>54,716</b>	<b>54,922</b>	<b>55,421</b>	<b>55,603</b>	<b>56,010</b>	<b>56,417</b>	<b>56,381</b>	<b>56,564</b>	<b>56,648</b>	<b>56,606</b>
16 to 19 years .....	3,986	4,121	4,127	4,271	4,224	4,287	4,320	4,274	4,288	4,245	4,201	4,216	4,236
16 to 17 years .....	1,620	1,684	1,715	1,799	1,751	1,778	1,789	1,748	1,782	1,758	1,738	1,765	1,756
18 to 19 years .....	2,366	2,437	2,412	2,472	2,473	2,509	2,531	2,526	2,506	2,487	2,463	2,451	2,480
20 to 24 years .....	6,956	6,953	7,062	7,149	7,158	7,344	7,359	7,449	7,537	7,547	7,533	7,521	7,457
25 years and over .....	42,147	42,571	42,820	43,283	43,540	43,788	43,934	44,273	44,598	44,586	44,845	44,895	44,929
25 to 54 years .....	33,714	34,042	34,269	34,632	34,895	35,059	35,192	35,455	35,745	35,826	36,011	36,109	36,111
55 years and over .....	8,433	8,529	8,551	8,651	8,645	8,729	8,742	8,818	8,853	8,760	8,834	8,786	8,818
<b>Females, 16 years and over .....</b>	<b>35,888</b>	<b>36,545</b>	<b>36,908</b>	<b>37,392</b>	<b>38,032</b>	<b>38,724</b>	<b>39,132</b>	<b>39,643</b>	<b>40,008</b>	<b>40,086</b>	<b>40,667</b>	<b>41,017</b>	<b>41,198</b>
16 to 19 years .....	3,398	3,452	3,547	3,551	3,548	3,722	3,770	3,780	3,818	3,725	3,684	3,763	3,640
16 to 17 years .....	1,351	1,357	1,401	1,411	1,408	1,516	1,537	1,549	1,552	1,489	1,470	1,530	1,428
18 to 19 years .....	2,047	2,095	2,146	2,140	2,140	2,206	2,233	2,231	2,266	2,236	2,214	2,233	2,212
20 to 24 years .....	5,677	5,810	5,865	5,940	6,019	6,127	6,225	6,303	6,363	6,340	6,370	6,357	6,347
25 years and over .....	26,813	27,288	27,487	27,909	28,458	28,885	29,123	29,571	29,818	30,038	30,602	30,907	31,200
25 to 54 years .....	21,710	22,089	22,322	22,630	23,128	23,447	23,714	24,145	24,298	24,499	25,081	25,314	25,667
55 years and over .....	5,103	5,199	5,165	5,279	5,330	5,438	5,409	5,426	5,520	5,539	5,521	5,593	5,533

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-52 Employed persons by selected social and economic categories, seasonally adjusted**

[In thousands]

Selected categories	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>CHARACTERISTICS</b>													
Total, 16 years and over .....	88,974	90,188	90,913	92,108	92,954	94,145	94,734	95,653	96,425	96,467	97,231	97,665	97,804
Married men, spouse present .....	38,189	38,463	38,377	38,562	38,527	38,625	38,666	38,938	39,208	39,011	39,185	38,964	38,817
Married women, spouse present .....	20,687	20,933	20,987	21,291	21,585	21,760	21,921	22,250	22,500	22,529	22,905	22,962	23,164
<b>OCCUPATION</b>													
White-collar workers .....	44,446	44,757	45,319	46,227	46,534	46,957	47,382	47,951	48,712	49,130	49,672	49,854	50,354
Professional and technical Managers and administrators, except farm .....	13,449	13,508	13,788	14,035	14,019	14,212	14,255	14,509	14,899	15,067	15,089	15,153	15,393
Sales workers .....	9,509	9,515	9,681	9,941	10,085	10,100	10,123	10,114	10,361	10,453	10,656	10,597	10,778
Clerical workers .....	5,681	5,705	5,756	5,767	5,871	5,905	5,960	6,061	6,064	6,096	6,163	6,323	6,250
Blue-collar workers .....	15,807	16,029	16,094	16,484	16,558	16,740	17,044	17,267	17,388	17,514	17,764	17,780	17,933
Craft and kindred workers .....	29,736	30,204	30,293	30,605	30,934	31,567	31,583	32,031	32,169	31,867	32,036	32,206	31,769
Operatives, except transport equipment .....	11,652	11,864	11,913	12,095	12,138	12,307	12,462	12,631	12,832	12,822	12,877	12,989	12,770
Operatives, except transport equipment .....	10,300	10,383	10,341	10,404	10,649	10,938	10,872	11,043	10,950	10,776	10,919	10,991	10,639
Nonfarm laborers .....	3,419	3,487	3,492	3,506	3,526	3,519	3,508	3,613	3,607	3,604	3,616	3,619	3,582
Service workers .....	4,365	4,471	4,547	4,600	4,620	4,803	4,740	4,744	4,779	4,664	4,625	4,607	4,779
Farm workers .....	12,104	12,397	12,509	12,547	12,706	12,847	12,854	12,947	12,823	12,828	12,749	12,935	13,013
Farm workers .....	2,692	2,835	2,711	2,771	2,807	2,786	2,818	2,773	2,761	2,655	2,702	2,702	2,719
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,288	1,324	1,322	1,382	1,389	1,424	1,428	1,426	1,409	1,409	1,401	1,436	1,431
Self-employed workers .....	1,535	1,610	1,553	1,573	1,588	1,617	1,621	1,596	1,568	1,537	1,605	1,607	1,601
Unpaid family workers .....	344	377	315	340	342	296	320	309	314	288	309	311	292
Nonagricultural industries:													
Wage and salary workers .....	79,453	80,413	81,118	82,204	82,917	84,041	84,561	85,459	86,220	86,215	86,596	87,129	87,406
Government .....	14,993	15,050	15,211	15,346	15,274	15,283	15,265	15,317	15,285	15,431	15,360	15,393	15,525
Private industries .....	64,461	65,363	65,907	66,859	67,643	68,759	69,295	70,142	70,935	70,784	71,236	71,736	71,881
Private households .....	1,357	1,358	1,394	1,389	1,372	1,400	1,365	1,313	1,279	1,201	1,248	1,233	1,142
Other industries .....	63,104	64,005	64,513	65,470	66,271	67,359	67,930	68,829	69,656	69,584	69,988	70,503	70,739
Self-employed workers .....	5,844	5,982	6,065	6,135	6,269	6,312	6,241	6,404	6,543	6,567	6,724	6,777	6,826
Unpaid family workers .....	403	506	503	474	476	482	466	463	459	466	473	419	384
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	80,680	81,480	82,450	83,339	83,994	85,813	86,068	86,833	87,637	87,381	88,782	88,812	89,008
Full-time schedules .....	66,120	66,919	67,654	68,344	69,155	70,473	70,938	71,596	72,306	72,133	73,042	73,113	73,027
Part time for economic reasons .....	3,365	3,239	3,315	3,266	3,167	3,279	3,257	3,159	3,197	3,282	3,246	3,409	3,446
Usually work full time .....	1,277	1,251	1,253	1,243	1,192	1,272	1,298	1,228	1,251	1,294	1,336	1,419	1,464
Usually work part time .....	2,089	1,989	2,062	2,023	1,975	2,007	1,958	1,931	1,946	1,988	1,910	1,989	1,982
Part time for noneconomic reasons .....	11,194	11,322	11,481	11,729	11,671	12,062	11,874	12,078	12,134	11,966	12,494	12,290	12,535

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-53. Job desire of persons not in labor force by current activity, reasons for not seeking work, sex, and race, seasonally adjusted**

[In thousands]

Characteristic	1977				1978				1979				1980
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
<b>TOTAL</b>													
Both sexes, 16 years and over:													
Total not in labor force	59,294	58,959	59,126	58,815	58,868	58,432	58,458	58,384	58,255	58,824	58,568	58,842	59,022
Do not want job now	53,681	53,170	53,398	53,125	53,568	53,169	52,928	53,068	53,238	53,666	52,955	53,563	53,585
Current activity:													
Going to school	6,173	6,159	6,214	6,200	6,261	6,227	6,007	5,969	5,944	5,976	5,974	6,003	6,036
Ill, disabled	4,712	4,509	4,567	4,395	4,505	4,573	4,424	4,629	4,563	4,542	4,480	4,540	4,680
Keeping house	30,603	30,098	30,123	30,113	29,711	29,647	29,422	29,296	29,303	29,215	28,723	28,736	28,199
Retired	8,721	9,051	9,045	9,036	9,408	9,196	9,400	9,466	9,583	9,979	9,978	10,206	10,638
Other	3,472	3,353	3,449	3,381	3,683	3,526	3,675	3,708	3,845	3,954	3,799	4,078	4,031
Want a job now	5,535	5,759	5,818	5,570	5,434	5,289	5,386	5,261	5,246	5,190	5,527	5,287	5,583
Reason not looking:													
School attendance	1,519	1,513	1,587	1,514	1,415	1,312	1,455	1,351	1,348	1,378	1,564	1,493	1,443
Ill health, disability	686	783	808	746	699	754	703	722	750	708	772	751	789
Home responsibilities	1,225	1,278	1,273	1,222	1,226	1,236	1,227	1,219	1,227	1,220	1,266	1,238	1,344
Think cannot get job	965	1,058	1,030	977	925	836	851	772	740	807	731	741	993
Job-market factors	677	740	713	635	645	537	612	491	495	507	531	459	610
Personal factors	289	318	317	341	281	300	239	281	245	300	200	282	384
Other reasons <sup>1</sup>	1,140	1,127	1,115	1,111	1,169	1,150	1,151	1,197	1,181	1,078	1,194	1,064	1,013
<b>Males</b>													
Total not in labor force	16,568	16,503	16,642	16,414	16,587	16,586	16,742	16,675	16,588	16,956	16,948	17,211	17,286
Do not want job now	14,811	14,662	14,808	14,658	14,885	14,889	15,050	14,952	15,012	15,395	15,177	15,485	15,594
Want a job now	1,673	1,779	1,806	1,703	1,742	1,647	1,700	1,676	1,679	1,537	1,826	1,725	1,738
Reason not looking:													
School attendance	762	786	760	746	710	649	727	697	666	686	815	739	684
Ill health, disability	298	332	343	321	315	336	326	327	362	276	355	337	336
Think cannot get job	290	311	350	323	340	300	287	294	294	256	286	285	377
Other reasons <sup>1</sup>	323	350	353	314	377	362	359	358	358	319	370	364	341
<b>Females</b>													
Total not in labor force	42,725	42,456	42,483	42,401	42,281	41,846	41,716	41,709	41,667	41,868	41,620	41,632	41,735
Do not want job now	38,870	38,508	38,590	38,467	38,683	38,280	37,878	38,115	38,226	38,271	37,778	38,078	37,991
Want a job now	3,862	3,980	4,012	3,867	3,691	3,642	3,686	3,584	3,566	3,653	3,701	3,562	3,845
Reason not looking:													
School attendance	757	727	827	769	704	664	727	655	682	692	749	753	759
Ill health, disability	387	451	466	426	384	418	376	395	389	432	417	414	453
Home responsibilities	1,225	1,278	1,278	1,222	1,226	1,236	1,227	1,219	1,227	1,220	1,266	1,238	1,344
Think cannot get job	675	747	680	654	585	536	564	478	446	551	445	456	616
Other reasons	817	777	762	797	792	789	792	839	823	759	824	700	673
<b>White</b>													
Total not in labor force	51,757	51,409	51,584	51,316	51,479	51,074	51,083	50,912	50,696	51,220	50,988	51,145	51,074
Do not want job now	47,390	47,081	47,309	46,945	47,419	47,160	46,913	46,854	46,850	47,276	46,845	46,983	46,858
Want a job now	4,267	4,325	4,271	4,298	4,154	3,977	4,256	3,911	3,991	3,919	4,274	4,014	4,284
Reason not looking:													
School attendance	1,179	1,095	1,092	1,109	1,038	961	1,202	989	985	966	1,222	1,124	1,035
Ill health, disability	520	630	571	559	500	536	518	518	541	505	529	521	566
Home responsibilities	978	976	958	979	959	962	961	904	952	944	980	968	1,120
Think cannot get job	692	725	717	720	660	569	585	537	527	564	541	540	694
Other reasons	696	899	933	932	998	949	991	962	986	939	1,002	861	869
<b>Black and other</b>													
Total not in labor force	7,542	7,565	7,554	7,480	7,391	7,373	7,379	7,454	7,541	7,628	7,607	7,678	7,899
Do not want job now	6,221	6,098	6,076	6,241	6,071	6,075	6,137	6,149	6,244	6,372	6,305	6,451	6,556
Want a job now	1,311	1,368	1,504	1,245	1,331	1,265	1,222	1,317	1,287	1,193	1,345	1,236	1,352
Reason not looking:													
School attendance	346	403	510	401	383	334	319	357	370	390	401	367	414
Ill health, disability	182	157	223	190	216	218	170	204	230	189	219	234	243
Home responsibilities	270	284	337	236	275	260	282	309	278	261	315	262	232
Think cannot get job	291	301	316	249	287	255	274	232	221	218	200	191	313
Other reasons	222	223	197	169	171	198	176	216	187	135	211	181	149

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-54. Job desire of persons not in labor force and reasons for not seeking work by age and sex

[In thousands]

Reasons for not seeking work	Total		Age in years								
			16-19		20-24		25-59		60 and over		
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	
<b>TOTAL</b>											
Total not in labor force . . . . .	59,310	59,950	7,562	7,698	4,693	4,827	22,077	21,614	24,979	25,811	
Do not want a job now . . . . .	53,901	54,227	6,161	6,097	3,854	3,864	19,529	19,032	24,356	25,234	
Current activity:											
Going to school . . . . .	7,567	7,678	5,296	5,258	1,669	1,758	578	639	23	25	
Ill, disabled . . . . .	4,519	4,638	28	32	111	101	2,206	2,247	2,175	2,256	
Keeping house . . . . .	29,134	28,038	456	447	1,678	1,573	14,861	14,039	12,138	11,980	
Retired . . . . .	9,561	10,610	--	--	2	--	176	246	9,383	10,364	
Other . . . . .	3,120	3,263	381	360	394	432	1,708	1,861	637	609	
Want a job now . . . . .	5,399	5,724	1,401	1,601	839	963	2,545	2,579	612	578	
Reason not looking:											
School attendance . . . . .	1,597	1,698	1,117	1,241	299	279	176	177	4	--	
Ill health, disability . . . . .	765	796	24	32	49	79	498	520	194	165	
Home responsibilities . . . . .	1,167	1,272	64	110	225	284	840	831	36	46	
Think cannot get job . . . . .	724	967	69	132	94	141	383	496	178	198	
Job-market factors . . . . .	485	592	41	65	62	100	299	349	82	79	
Personal factors . . . . .	239	375	29	66	31	42	84	149	95	118	
Other reasons <sup>1</sup> . . . . .	1,146	990	127	86	172	180	648	555	200	169	
<b>Males</b>											
Total not in labor force . . . . .	17,405	17,996	3,511	3,563	1,461	1,468	3,165	3,324	9,268	9,640	
Do not want a job now . . . . .	15,603	16,158	2,823	2,828	1,203	1,201	2,648	2,764	8,928	9,367	
Current activity:											
Going to school . . . . .	3,835	3,856	2,582	2,627	969	926	274	289	10	14	
Ill, disabled . . . . .	2,514	2,465	12	15	55	40	1,255	1,207	1,190	1,204	
Keeping house . . . . .	283	321	14	6	5	7	76	87	189	222	
Retired . . . . .	7,221	7,685	--	--	2	--	146	199	7,073	7,486	
Other . . . . .	1,750	1,831	215	180	172	228	897	982	466	441	
Want a job now . . . . .	1,791	1,837	687	734	256	267	515	559	330	275	
Reason not looking:											
School attendance . . . . .	797	812	580	615	151	134	61	63	4	--	
Ill health, disability . . . . .	370	336	12	10	18	35	217	221	124	70	
Think cannot get job . . . . .	286	364	41	73	45	37	113	145	86	108	
Other reasons <sup>1</sup> . . . . .	338	325	54	36	42	61	124	130	116	97	
<b>Females</b>											
Total not in labor force . . . . .	41,905	41,955	4,051	4,135	3,232	3,359	18,912	18,290	15,711	16,171	
Do not want a job now . . . . .	38,298	38,068	3,340	3,267	2,651	2,662	16,883	16,270	15,428	15,870	
Current activity:											
Going to school . . . . .	3,733	3,823	2,715	2,629	700	831	305	352	13	11	
Ill, disabled . . . . .	2,004	2,172	15	16	54	61	951	1,041	985	1,054	
Keeping house . . . . .	28,850	27,717	443	441	1,674	1,566	14,786	13,952	11,950	11,759	
Retired . . . . .	2,341	2,924	--	--	--	--	31	46	2,309	2,878	
Other . . . . .	1,370	1,432	167	181	223	204	810	879	171	168	
Want a job now . . . . .	3,606	3,886	711	868	580	696	2,030	2,018	282	300	
Reason not looking:											
School attendance . . . . .	799	886	536	626	148	145	116	113	--	--	
Ill health, disability . . . . .	395	460	12	23	31	44	281	300	70	94	
Home responsibilities . . . . .	1,167	1,272	64	110	225	284	840	831	36	46	
Think cannot get job . . . . .	438	603	28	59	47	105	270	350	93	89	
Other reasons . . . . .	807	665	71	50	129	118	523	424	83	71	

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

r=revised.

NOTE: Detail in tables A-54, A-55, and A-57 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

## HOUSEHOLD DATA QUARTERLY AVERAGES

### A-55. Job desire of persons not in labor force and reasons for not seeking work by age, race, and sex

[In thousands]

Reasons for not seeking work	Total		Age in years						Sex			
			16-24		25-59		60 and over		Males		Females	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
<b>WHITE</b>												
Total not in labor force	51,603	51,896	9,794	9,918	19,208	18,688	22,601	23,290	14,832	15,232	36,772	36,664
Do not want a job now	47,505	47,513	8,201	8,056	17,227	16,644	22,075	22,812	13,448	13,850	34,057	33,663
Current activity:												
Going to school	6,134	6,122	5,662	5,601	449	503	23	20	3,103	3,104	3,031	3,019
Ill, disabled	3,661	3,646	117	101	1,701	1,720	1,843	1,825	2,051	1,984	1,610	1,662
Keeping house	26,481	25,478	1,805	1,717	13,514	12,642	11,162	11,117	226	254	26,255	25,224
Retired	8,635	9,554	2	--	167	223	8,464	9,331	6,587	6,995	2,048	2,559
Other	2,594	2,712	615	637	1,396	1,556	583	519	1,481	1,513	1,113	1,199
Want a job now	4,098	4,383	1,593	1,864	1,979	2,043	527	479	1,383	1,382	2,715	3,001
Reason not looking:												
School attendance	1,168	1,221	1,042	1,103	121	118	4	--	585	598	583	623
Ill health, disability	552	571	43	76	357	371	153	124	292	245	260	326
Home responsibilities <sup>1</sup>	886	1,040	191	302	666	705	29	33	--	--	886	1,040
Think cannot get job	540	709	99	160	287	383	155	166	216	263	324	446
Other reasons	952	842	218	223	548	466	186	156	290	276	662	566
<b>BLACK AND OTHER</b>												
Total not in labor force	7,707	8,054	2,461	2,608	2,868	2,926	2,378	2,521	2,573	2,763	5,133	5,291
Do not want a job now	6,396	6,713	1,814	1,902	2,296	2,387	2,282	2,424	2,154	2,308	4,242	4,405
Current activity:												
Going to school	1,433	1,556	1,304	1,416	128	136	--	5	731	752	702	804
Ill, disabled	857	990	20	31	501	527	332	432	463	480	394	510
Keeping house	2,653	2,560	329	301	1,348	1,395	976	863	57	67	2,596	2,493
Retired	927	1,056	--	--	7	22	920	1,034	634	691	293	365
Other	526	551	161	154	312	307	54	90	269	318	257	233
Want a job now	1,299	1,341	647	704	572	541	83	98	408	456	891	885
Reason not looking:												
School attendance	429	477	373	417	57	60	--	--	213	214	216	263
Ill health, disability	213	226	32	36	142	149	41	40	78	92	135	134
Home responsibilities <sup>1</sup>	281	232	99	93	175	127	7	13	--	--	281	232
Think cannot get job	183	258	64	112	97	113	22	33	69	101	114	157
Other reasons	193	148	79	46	101	92	13	12	48	49	145	99

<sup>1</sup> Small number of men not looking for work because of "home responsibilities" are included in "other reasons." r= revised.

### A-56. Persons not in labor force who desire work but think they cannot get jobs by age, race, sex, and detailed reason

[In thousands]

1st Quarter 1980

Detailed reason for not seeking work	Total	Age in years				Race	
		16-19	20-24	25-59	60 and over	White	Black and other
<b>TOTAL</b>							
Personal factors:							
Employers think too young or old	158	30	--	17	111	121	38
Lacks education or training	117	25	20	70	2	78	38
Other personal handicap	100	11	22	62	5	85	15
Job-market factors:							
Could not find job	311	34	81	175	22	192	119
Thinks no job available	281	31	19	174	57	232	49
<b>Males</b>							
Personal factors:							
Employers think too young or old	76	20	--	1	55	61	15
Lacks education or training	26	11	3	12	--	18	8
Other personal handicap	44	6	4	26	5	39	5
Job-market factors:							
Could not find job	126	22	17	72	15	77	49
Thinks no job available	93	13	13	34	34	68	24
<b>Females</b>							
Personal factors:							
Employers think too young or old	83	9	--	17	57	60	23
Lacks education or training	90	13	16	58	2	60	30
Other personal handicap	56	5	16	34	--	46	10
Job-market factors:							
Could not find job	186	12	64	101	7	115	70
Thinks no job available	188	18	8	140	23	164	25

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age, race, and sex

(Numbers in thousands)

Most recent work experience and reason for leaving job	Total		Age in years						White		Black and other	
	I 1979	I 1980	16-24		25-59		60 and over		I 1979	I 1980	I 1979	I 1980
			I 1979	I 1980	I 1979	I 1980	I 1979	I 1980				
<b>Total, not in labor force</b>	59,310	59,950	12,255	12,525	22,077	21,614	24,979	25,811	51,603	51,896	7,707	8,054
Never worked	9,343	9,369	4,716	4,758	2,149	2,048	2,478	2,564	7,462	7,398	1,882	1,971
Last worked over 5 years ago	28,935	29,413	293	327	11,221	10,968	17,421	18,119	25,777	26,096	3,159	3,317
Last worked 1 to 5 years ago	10,358	10,236	1,684	1,746	5,007	4,789	3,667	3,702	9,052	8,925	1,307	1,311
Left job during previous 12 months	10,661	10,930	5,560	5,694	3,700	3,808	1,402	1,427	9,312	9,477	1,349	1,454
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	47.0	46.4	63.1	62.5	39.2	37.5	4.0	5.8	47.9	47.5	40.4	39.2
Ill health, disability	7.6	8.0	1.7	1.8	14.2	14.1	13.5	16.5	7.1	7.4	11.2	11.8
Retirement, old age	7.4	7.5	--	--	2.8	3.8	48.5	47.0	7.7	7.8	4.7	5.2
Economic reasons	19.3	20.8	17.1	18.1	21.1	24.2	23.0	22.4	18.7	20.5	23.2	22.4
End of seasonal job	9.3	9.1	9.6	9.9	8.3	7.5	10.6	10.3	8.8	8.7	12.7	11.3
Slack work	4.8	6.2	3.2	3.8	7.2	10.4	4.8	4.6	4.8	6.1	4.8	6.7
End of temporary job	5.2	5.5	4.3	4.4	5.6	6.4	7.6	7.5	5.1	5.7	5.7	4.3
All other reasons	18.8	17.4	18.2	17.7	22.7	20.5	11.0	8.3	18.6	16.8	20.5	21.4
<b>Males, not in labor force</b>	17,405	17,996	4,972	5,031	3,165	3,324	9,268	9,640	14,832	15,232	2,573	2,763
Never worked	2,179	2,213	1,925	1,982	213	175	40	55	1,573	1,548	606	665
Last worked over 5 years ago	7,449	8,036	43	51	1,186	1,355	6,221	6,629	6,484	7,011	966	1,025
Last worked 1 to 5 years ago	3,493	3,459	363	417	993	928	2,136	2,113	3,064	2,996	429	463
Left job during previous 12 months	4,272	4,287	2,640	2,580	772	863	863	843	3,710	3,678	562	610
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	41.8	40.9	61.4	62.0	19.4	15.5	1.6	2.4	43.6	41.6	29.7	36.9
Ill health, disability	9.3	8.8	1.6	1.4	31.5	24.1	13.0	15.9	9.0	8.9	11.4	8.5
Retirement, old age	12.6	13.1	--	--	8.8	12.5	54.7	53.9	13.1	13.7	9.4	9.7
Economic reasons	19.4	21.4	19.1	20.0	18.7	25.5	21.1	21.7	17.7	20.9	30.9	24.8
End of seasonal job	10.8	11.0	11.2	11.6	8.9	8.6	11.4	11.6	9.7	10.5	18.1	13.8
Slack work	4.0	5.9	3.2	3.8	7.1	13.2	3.7	5.1	3.6	5.7	6.9	7.4
End of temporary job	4.5	4.5	4.7	4.6	2.6	3.7	6.0	5.0	4.4	4.7	5.9	3.6
All other reasons	16.9	15.7	17.9	16.6	21.6	22.6	9.5	6.0	16.6	14.9	18.7	20.2
<b>Females, not in labor force</b>	41,905	41,955	7,283	7,494	18,912	18,290	15,711	16,171	36,772	36,664	5,133	5,291
Never worked	7,164	7,157	2,791	2,776	1,936	1,873	2,438	2,509	5,889	5,850	1,276	1,306
Last worked over 5 years ago	21,486	21,377	252	278	10,034	9,612	11,200	11,489	19,293	19,085	2,193	2,292
Last worked 1 to 5 years ago	6,865	6,777	1,320	1,329	4,013	3,859	1,531	1,589	5,988	5,929	878	848
Left job during previous 12 months	6,389	6,643	2,921	3,113	2,928	2,945	541	584	5,602	5,799	787	844
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	50.5	49.9	64.6	62.9	44.4	43.9	7.8	10.6	50.8	51.2	48.1	40.9
Ill health, disability	6.4	7.4	1.7	2.0	9.6	11.1	14.4	17.6	5.8	6.4	11.1	14.1
Retirement, old age	3.8	3.8	--	--	1.2	1.3	38.8	37.1	4.2	4.1	1.4	2.0
Economic reasons	19.2	20.4	15.3	16.6	21.9	23.7	25.7	23.4	19.4	20.3	17.7	20.6
End of seasonal job	8.3	7.9	8.3	8.5	8.1	7.1	9.2	8.2	8.2	7.6	8.8	9.6
Slack work	5.3	6.4	3.1	3.9	7.3	9.5	6.5	4.1	5.6	6.4	3.3	6.2
End of temporary job	5.6	6.1	3.9	4.2	6.5	7.1	10.0	11.1	5.6	6.3	5.6	4.9
All other reasons	20.1	18.5	18.4	18.6	22.9	19.9	13.3	11.3	19.8	18.0	21.8	22.3

## A-58. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within next 12 months by age, race, and sex

(In thousands)

Work-seeking intentions and work history	Total		Age in years						White		Black and other	
	I 1979	I 1980	16-24		25-59		60 and over		I 1979	I 1980	I 1979	I 1980
			I 1979	I 1980	I 1979	I 1980	I 1979	I 1980				
<b>Total</b>	48,712	49,424	6,001	6,102	18,394	18,159	24,317	25,162	43,066	43,265	5,647	6,159
Do not intend to seek work	10,586	10,525	6,253	6,423	3,681	3,453	651	649	8,537	8,630	2,049	1,894
Intend to seek work in the next 12 months	1,891	1,738	1,748	1,616	137	112	5	11	1,365	1,260	526	479
Never worked	1,135	1,105	64	55	923	887	148	164	910	890	226	215
Last worked over 5 years ago	2,053	2,079	683	840	1,135	1,012	234	228	1,559	1,669	493	409
Last worked 1 to 5 years ago	5,507	5,603	3,758	3,911	1,486	1,445	263	247	4,704	4,811	804	792
Worked during previous 12 months	<b>Males</b>											
Do not intend to seek work	13,365	13,967	2,032	2,076	2,459	2,583	8,874	9,309	11,484	11,940	1,881	2,028
Intend to seek work in the next 12 months	4,029	4,028	2,939	2,954	707	741	383	332	3,347	3,292	681	735
Never worked	764	733	738	723	26	11	--	--	568	526	196	208
Last worked over 5 years ago	142	174	9	13	77	99	57	62	113	132	30	42
Last worked 1 to 5 years ago	540	623	197	272	206	221	137	132	425	492	114	131
Worked during previous 12 months	2,582	2,497	1,997	1,947	397	412	189	138	2,241	2,142	342	355
<b>Females</b>												
Do not intend to seek work	35,347	35,457	3,969	4,025	15,936	15,577	15,442	15,854	31,582	31,325	3,766	4,131
Intend to seek work in the next 12 months	6,557	6,497	3,314	3,469	2,976	2,711	267	317	5,190	5,338	1,368	1,159
Never worked	1,126	1,005	1,010	894	111	100	5	11	797	734	330	271
Last worked over 5 years ago	993	931	56	42	846	787	91	101	797	758	196	173
Last worked 1 to 5 years ago	1,513	1,455	487	568	931	792	97	95	1,134	1,177	379	278
Worked during previous 12 months	2,925	3,106	1,761	1,964	1,088	1,033	74	109	2,463	2,669	462	437

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-59. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin

[Numbers in thousands]

Employment status	Total		White		Black <sup>1</sup>		Hispanic origin <sup>2</sup>	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>TOTAL</b>								
Civilian noninstitutional population	160,570	163,216	140,857	142,957	16,884	17,270	7,642	8,183
Civilian labor force . . . . .	101,260	103,265	89,254	91,061	10,199	10,321	4,848	5,215
Percent of population . . . . .	63.1	63.3	63.4	63.7	60.4	59.8	63.4	63.7
Employment . . . . .	94,901	96,318	84,319	85,602	8,891	8,983	4,443	4,715
Agriculture . . . . .	2,028	2,860	2,563	2,593	216	212	188	198
Nonagricultural industries . . . . .	92,073	93,458	81,756	83,008	8,675	8,771	4,255	4,517
Unemployment . . . . .	6,360	6,947	4,934	5,460	1,308	1,338	404	500
Unemployment rate . . . . .	6.3	6.7	5.5	6.0	12.8	13.0	8.3	9.6
Not in labor force . . . . .	59,310	59,950	51,603	51,896	6,685	6,949	2,795	2,968
<b>Males, 20 years and over</b>								
Civilian noninstitutional population . . . . .	67,827	69,142	60,183	61,270	6,501	6,668	3,094	3,374
Civilian labor force . . . . .	53,933	54,709	48,134	48,822	4,889	4,963	2,652	2,885
Percent of population . . . . .	79.5	79.1	80.0	79.7	75.2	74.4	85.7	85.5
Employment . . . . .	51,346	51,595	46,107	46,336	4,372	4,393	2,486	2,676
Agriculture . . . . .	2,126	2,197	1,904	1,973	185	180	151	164
Nonagricultural industries . . . . .	49,220	49,398	44,203	44,363	4,187	4,212	2,334	2,512
Unemployment . . . . .	2,587	3,114	2,027	2,486	517	571	166	209
Unemployment rate . . . . .	4.8	5.7	4.2	5.1	10.6	11.5	6.3	7.2
Not in labor force . . . . .	13,894	14,433	12,049	12,448	1,611	1,705	443	489
<b>Females, 20 years and over</b>								
Civilian noninstitutional population	76,345	77,766	66,805	67,923	8,160	8,381	3,505	3,685
Civilian labor force . . . . .	38,491	39,947	33,222	34,525	4,505	4,602	1,705	1,797
Percent of population . . . . .	50.4	51.4	49.7	50.8	55.2	54.9	48.6	48.8
Employment . . . . .	36,211	37,601	31,494	32,719	4,000	4,126	1,560	1,614
Agriculture . . . . .	457	434	426	404	23	23	20	17
Nonagricultural industries . . . . .	35,754	37,167	31,069	32,315	3,977	4,103	1,540	1,597
Unemployment . . . . .	2,279	2,345	1,728	1,806	505	476	145	183
Unemployment rate . . . . .	5.9	5.9	5.2	5.2	11.2	10.4	8.5	10.2
Not in labor force . . . . .	37,854	37,819	33,582	33,398	3,656	3,779	1,800	1,888
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population . . . . .	16,398	16,308	13,869	13,765	2,223	2,221	1,043	1,124
Civilian labor force . . . . .	8,837	8,610	7,897	7,714	805	756	491	533
Percent of population . . . . .	53.9	52.8	56.9	56.0	36.2	34.0	47.1	47.4
Employment . . . . .	7,343	7,122	6,717	6,547	519	465	397	424
Agriculture . . . . .	245	229	233	216	8	9	16	16
Nonagricultural industries . . . . .	7,098	6,893	6,484	6,330	511	456	381	408
Unemployment . . . . .	1,493	1,488	1,180	1,167	286	291	94	108
Unemployment rate . . . . .	16.9	17.3	14.9	15.1	35.5	38.5	19.1	20.3
Not in labor force . . . . .	7,562	7,698	5,972	6,051	1,418	1,465	552	591

<sup>1</sup> Data relate to black workers only. According to the 1970 Census, they comprised about 89 percent of the "black and other" population group.

<sup>2</sup> Data on persons of Hispanic origin are tabulated separately, without regard to race, which means that they are also included in the data for white and black workers. At the time of the Census, approximately 96 percent of their population was white.

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-60 Employment status of persons of Mexican, Puerto Rican, and Cuban origin by sex and age

[Numbers in thousands]

Employment status	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>TOTAL</b>								
Civilian noninstitutional population . . .	7,642	8,183	4,545	4,940	1,080	1,028	561	585
Civilian labor force . . . . .	4,848	5,215	2,999	3,278	534	529	390	397
Percent of population . . . . .	63.4	63.7	66.0	66.4	49.4	51.5	69.5	67.9
Employment . . . . .	4,443	4,715	2,755	2,941	466	463	352	378
Agriculture . . . . .	188	198	167	182	3	5	5	3
Nonagricultural industries . . . . .	4,255	4,517	2,588	2,759	462	458	347	375
Unemployment . . . . .	404	500	244	338	69	66	38	19
Unemployment rate . . . . .	8.3	9.6	8.1	10.3	12.8	12.6	9.7	4.8
Not in labor force . . . . .	2,795	2,968	1,546	1,661	546	499	171	187
<b>Males, 20 years and over</b>								
Civilian noninstitutional population . . .	3,094	3,374	1,904	2,116	385	369	239	244
Civilian labor force . . . . .	2,652	2,885	1,680	1,850	301	299	207	214
Percent of population . . . . .	85.7	85.5	88.2	87.4	78.2	81.0	86.6	87.7
Employment . . . . .	2,486	2,676	1,589	1,715	264	268	191	203
Agriculture . . . . .	151	164	134	150	2	4	5	3
Nonagricultural industries . . . . .	2,334	2,512	1,455	1,565	262	264	185	200
Unemployment . . . . .	166	209	92	135	37	31	17	11
Unemployment rate . . . . .	6.3	7.2	5.4	7.3	12.2	10.4	8.0	5.4
Not in labor force . . . . .	443	489	224	266	85	70	31	30
<b>Females, 20 years and over</b>								
Civilian noninstitutional population . . .	3,505	3,685	1,980	2,108	544	511	263	271
Civilian labor force . . . . .	1,705	1,797	994	1,032	185	196	146	154
Percent of population . . . . .	48.6	48.8	50.2	49.0	34.0	38.4	55.5	56.8
Employment . . . . .	1,560	1,614	899	918	164	169	135	146
Agriculture . . . . .	20	17	18	14	--	1	--	--
Nonagricultural industries . . . . .	1,540	1,597	881	904	164	168	135	146
Unemployment . . . . .	145	183	95	114	21	27	10	8
Unemployment rate . . . . .	8.5	10.2	9.5	11.1	11.1	13.7	7.0	5.1
Not in labor force . . . . .	1,800	1,888	986	1,076	359	315	118	117
<b>Both sexes, 16-19 years</b>								
Civilian noninstitutional population . . .	1,043	1,124	660	715	151	148	59	69
Civilian labor force . . . . .	491	533	324	397	49	34	37	29
Percent of population . . . . .	47.1	47.4	49.1	55.5	32.5	23.0	(2)	420
Employment . . . . .	397	424	267	308	38	26	26	29
Agriculture . . . . .	16	16	15	17	1	--	--	--
Nonagricultural industries . . . . .	381	408	253	291	36	26	26	29
Unemployment . . . . .	94	108	57	89	11	9	11	--
Unemployment rate . . . . .	19.1	20.3	17.6	22.3	(2)	(2)	(2)	(2)
Not in labor force . . . . .	552	591	336	319	102	114	22	40

<sup>1</sup> Includes persons of Central or South American origin and other Hispanic origin, not shown separately.

<sup>2</sup> Percent not shown where base is less than 60,000.

NOTE: See note, table A-59.



**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-61. Employed persons by selected social and economic categories, race, and Hispanic origin**

(In thousands)

Selected categories	Total		White		Black and other		Hispanic origin <sup>1</sup>	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>CHARACTERISTICS</b>								
Total, 16 years and over .....	94,901	96,318	84,319	85,602	10,581	10,717	4,443	4,715
Males .....	55,146	55,352	49,588	49,799	5,558	5,552	2,723	2,945
Females .....	39,755	40,967	34,732	35,802	5,023	5,165	1,720	1,770
<b>OCCUPATION</b>								
White-collar workers .....	48,848	50,493	44,854	46,361	3,993	4,133	1,490	1,649
Professional and technical .....	15,153	15,660	13,864	14,329	1,289	1,330	336	385
Managers and administrators, except farm ...	10,318	10,738	9,780	10,189	538	549	271	307
Sales workers .....	5,950	6,133	5,654	5,826	296	306	174	199
Clerical workers .....	17,427	17,963	15,556	16,016	1,871	1,947	709	758
Blue-collar workers .....	31,017	30,635	27,221	26,728	3,797	3,908	2,090	2,151
Craft and kindred workers .....	12,453	12,395	11,479	11,359	974	1,036	618	665
Operatives, except transport .....	10,767	10,469	9,192	8,868	1,575	1,601	935	939
Transport equipment operatives .....	3,551	3,527	3,075	2,995	477	532	182	184
Nonfarm laborers .....	4,246	4,245	3,475	3,506	771	739	355	363
Service workers .....	12,658	12,844	10,081	10,376	2,577	2,468	720	760
Farm workers .....	2,377	2,345	2,163	2,137	215	208	144	155
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
<b>Agriculture:</b>								
Wage and salary workers .....	1,171	1,188	964	987	207	201	173	181
Self-employed workers .....	1,444	1,473	1,389	1,416	56	57	15	17
Unpaid family workers .....	212	198	211	190	2	8	--	--
<b>Nonagricultural industries:</b>								
Wage and salary workers .....	85,162	86,337	75,257	76,316	9,906	10,021	4,012	4,270
Government .....	15,493	15,722	13,057	13,310	2,437	2,412	616	633
Private industries .....	69,669	70,614	62,200	63,006	7,469	7,608	3,397	3,637
Private households .....	1,214	1,083	811	714	403	369	66	83
Other industries .....	68,455	69,531	61,389	62,292	7,066	7,239	3,331	3,554
Self-employed workers .....	6,452	6,737	6,067	6,327	386	410	222	224
Unpaid family workers .....	458	384	433	365	25	19	21	22
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	77,325	78,002	68,574	69,142	8,751	8,860	3,765	3,390
Part time for economic reasons .....	3,247	3,521	2,705	2,949	542	573	211	248
Part time for noneconomic reasons .....	14,329	14,795	13,040	13,511	1,288	1,284	467	537

<sup>1</sup> See footnote 2, table A-59.

proportionately among the full- and part-time employed categories.

<sup>2</sup> Employed persons "with a job but not at work" during the survey period are distributed

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-62. Employed persons of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

[In thousands]

Selected categories	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>CHARACTERISTICS</b>								
Total, 16 years and over .....	4,443	4,715	2,755	2,941	466	463	352	378
Males .....	2,723	2,945	1,745	1,913	286	284	210	220
Females .....	1,720	1,770	1,010	1,027	180	179	142	158
<b>OCCUPATION</b>								
White-collar workers .....	1,490	1,649	793	907	173	177	159	167
Professional and technical .....	336	385	146	178	40	42	48	46
Managers and administrators, except farm .....	271	307	154	181	21	27	28	35
Sales workers .....	174	199	87	103	16	15	23	25
Clerical workers .....	709	758	406	445	96	93	60	61
Blue-collar workers .....	2,090	2,151	1,379	1,414	205	199	154	173
Craft and kindred workers .....	618	665	399	437	48	51	48	45
Operatives, except transport .....	935	939	592	582	111	110	72	93
Transport equipment operatives .....	182	184	124	127	21	18	13	15
Nonfarm laborers .....	355	363	264	268	25	20	21	20
Service workers .....	720	760	450	475	84	84	38	37
Farm workers .....	144	155	133	145	3	2	--	1
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	173	181	159	172	3	3	3	1
Self-employed workers .....	15	17	8	10	--	1	2	2
Unpaid family workers .....	--	--	--	--	--	--	--	--
Nonagricultural industries:								
Wage and salary workers .....	4,012	4,270	2,460	2,636	444	441	315	337
Government .....	616	633	414	416	77	69	24	32
Private industries .....	3,397	3,637	2,046	2,220	367	372	291	304
Private households .....	66	83	45	50	3	1	--	1
Other industries .....	3,331	3,554	2,001	2,170	364	371	291	303
Self-employed workers .....	222	224	118	111	20	18	29	38
Unpaid family workers .....	21	22	10	12	--	--	2	--
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	3,765	3,930	2,320	2,412	410	410	299	342
Part time for economic reasons .....	211	248	151	190	17	16	9	7
Part time for noneconomic reasons .....	467	537	284	339	38	37	45	30

<sup>1</sup> See footnote 1, table A-60.

<sup>2</sup> See footnote 2, table A-61.

## HOUSEHOLD DATA QUARTERLY AVERAGES

### A-63. Employed persons by sex, age, race, and Hispanic origin

[In thousands]

Sex and age	Total		White		Black <sup>1</sup>		Hispanic origin <sup>2</sup>	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>Total, 16 years and over</b> .....	94,901	96,318	84,319	85,602	8,891	8,983	4,443	4,715
16 to 19 years .....	7,343	7,122	6,717	6,547	519	465	397	424
16 to 17 years .....	2,914	2,765	2,694	2,570	178	155	130	130
18 to 19 years .....	4,430	4,357	4,023	3,977	341	310	267	294
20 to 24 years .....	13,450	13,356	11,899	11,851	1,312	1,261	794	802
25 years and over .....	74,107	75,841	65,703	67,205	7,059	7,258	3,253	3,488
25 to 54 years .....	59,798	61,543	52,735	54,226	5,906	6,114	2,888	3,101
55 years and over .....	14,308	14,297	12,968	12,978	1,153	1,144	365	388
<b>Males, 16 years and over</b> .....	55,146	55,352	49,588	49,799	4,643	4,630	2,723	2,945
16 to 19 years .....	3,800	3,756	3,480	3,463	271	237	237	268
16 to 17 years .....	1,508	1,482	1,398	1,378	90	82	80	86
18 to 19 years .....	2,292	2,274	2,082	2,085	181	155	157	182
20 to 24 years .....	7,212	7,129	6,412	6,359	675	646	469	492
25 years and over .....	44,133	44,466	39,696	39,977	3,697	3,747	2,017	2,184
25 to 54 years .....	35,394	35,764	31,704	31,993	3,070	3,139	1,767	1,934
55 years and over .....	8,739	8,703	7,991	7,984	627	608	250	250
<b>Females, 16 years and over</b> .....	39,755	40,967	34,732	35,802	4,248	4,353	1,720	1,770
16 to 19 years .....	3,543	3,365	3,237	3,083	248	227	160	156
16 to 17 years .....	1,406	1,283	1,296	1,192	88	73	50	44
18 to 19 years .....	2,138	2,083	1,941	1,892	160	154	110	112
20 to 24 years .....	6,237	6,226	5,487	5,491	637	615	325	309
25 years and over .....	29,974	31,375	26,007	27,227	3,363	3,510	1,234	1,304
25 to 54 years .....	24,405	25,781	21,030	22,233	2,837	2,975	1,121	1,167
55 years and over .....	5,569	5,594	4,977	4,994	526	535	113	137

<sup>1</sup> See footnote 1, table A-59.

<sup>2</sup> See footnote 2, table A-59.

### A-64. Rates of unemployment by sex, age, race, and Hispanic origin

Sex and age	Total		White		Black <sup>1</sup>		Hispanic origin <sup>2</sup>	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>Total, 16 years and over</b> .....	6.3	6.7	5.5	6.0	12.8	13.0	8.3	9.6
16 to 19 years .....	16.9	17.3	14.9	15.1	35.5	38.5	19.1	20.3
16 to 17 years .....	19.8	19.7	18.0	17.9	38.8	39.6	27.6	28.2
18 to 19 years .....	14.9	15.7	12.8	13.2	33.6	37.9	14.2	16.3
20 to 24 years .....	9.8	11.1	8.3	9.6	21.6	22.7	11.1	12.5
25 years and over .....	4.4	4.8	3.9	4.3	8.6	8.5	6.1	7.4
25 to 54 years .....	4.6	5.1	4.1	4.6	9.0	9.1	6.0	7.7
55 years and over .....	3.5	3.4	3.2	3.2	6.3	5.5	6.6	4.4
<b>Males, 16 years and over</b> .....	5.9	6.6	5.2	5.9	12.7	13.4	7.4	8.3
16 to 19 years .....	18.2	17.6	16.1	15.7	37.0	38.0	17.7	17.9
16 to 17 years .....	21.7	20.2	20.0	18.5	40.8	40.1	26.5	26.8
18 to 19 years .....	15.6	15.8	13.4	13.7	34.9	36.8	12.5	12.8
20 to 24 years .....	10.0	12.3	8.6	11.0	21.3	23.7	10.5	11.8
25 years and over .....	3.9	4.5	3.5	4.1	8.3	9.0	5.2	6.1
25 to 54 years .....	4.0	4.8	3.5	4.3	8.6	9.3	5.1	6.3
55 years and over .....	3.4	3.5	3.1	3.2	6.7	7.0	6.4	4.6
<b>Females, 16 years and over</b> .....	6.9	6.9	6.1	6.1	12.9	12.5	9.8	11.6
16 to 19 years .....	15.5	16.9	13.6	14.5	33.8	39.0	21.0	24.2
16 to 17 years .....	17.6	19.1	15.7	17.3	36.6	39.1	29.3	30.8
18 to 19 years .....	14.1	15.5	12.2	12.7	32.2	39.0	16.6	21.3
20 to 24 years .....	9.6	9.6	7.9	7.9	21.8	21.7	11.9	13.5
25 years and over .....	5.1	5.1	4.6	4.7	8.9	8.0	7.6	9.3
25 to 54 years .....	5.5	5.5	4.9	5.0	9.4	8.8	7.5	9.9
55 years and over .....	3.6	3.3	3.3	3.2	5.7	3.6	7.3	4.2

<sup>1</sup> See footnote 1, table A-59.

<sup>2</sup> See footnote 2, table A-59.

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-65. Unemployed persons by duration of unemployment, race, and Hispanic origin

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin <sup>1</sup>	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>Duration</b>								
Total, 16 years and over .....	6,360	6,947	4,934	5,460	1,425	1,487	404	500
Less than 5 weeks .....	2,744	3,036	2,200	2,417	545	620	172	230
5 to 14 weeks .....	2,193	2,403	1,699	1,927	493	476	151	159
15 weeks and over .....	1,423	1,507	1,035	1,116	387	392	82	111
15 to 26 weeks .....	853	936	636	711	217	225	61	79
27 weeks and over .....	570	571	400	405	170	167	21	32
Average (mean) duration, in weeks .....	11.6	10.9	10.9	10.5	13.7	12.5	10.0	10.3
Median duration, in weeks .....	6.5	6.4	6.2	6.2	7.7	7.2	6.4	5.8
<b>Percent distribution</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	43.1	43.7	44.6	44.3	38.2	41.7	42.5	46.0
5 to 14 weeks .....	34.5	34.6	34.4	35.3	34.6	32.0	37.3	31.8
15 weeks and over .....	22.4	21.7	21.0	20.4	27.2	26.3	20.2	22.2
15 to 26 weeks .....	13.4	13.5	12.9	13.0	15.2	15.1	15.1	15.8
27 weeks and over .....	9.0	8.2	8.1	7.4	11.9	11.2	5.2	6.3

<sup>1</sup> See footnote 2, table A-59.

## A-66. Unemployed persons by reason for unemployment, race and Hispanic origin

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin <sup>1</sup>	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	6,360	6,947	4,934	5,460	1,425	1,487	404	500
Job losers .....	3,001	3,631	2,354	2,901	647	730	204	268
On layoff .....	1,095	1,495	925	1,274	170	221	41	61
Other job losers .....	1,905	2,136	1,428	1,628	477	509	163	207
Job leavers .....	872	801	726	664	146	137	64	65
Reentrants .....	1,766	1,808	1,342	1,410	424	398	94	109
New entrants .....	721	707	513	484	208	222	41	58
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	47.2	52.3	47.7	53.2	45.4	49.1	50.6	53.6
On layoff .....	17.2	21.5	18.8	23.3	11.9	14.9	10.2	12.2
Other job losers .....	30.0	30.8	28.9	29.8	33.5	34.2	40.4	41.4
Job leavers .....	13.7	11.5	14.7	12.2	10.3	9.2	15.9	13.0
Reentrants .....	27.8	26.0	27.2	25.8	29.9	26.8	23.3	21.8
New entrants .....	11.3	10.2	10.4	8.9	14.6	14.9	10.2	11.6
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	3.0	3.5	2.6	3.2	5.4	6.0	4.2	5.1
Job leavers .....	.9	.8	.8	.7	1.2	1.1	1.3	1.2
Reentrants .....	1.7	1.8	1.5	1.5	3.5	3.3	1.9	2.1
New entrants .....	.7	.7	.6	.5	1.7	1.8	.8	1.1

<sup>1</sup> See footnote 2, table A-59.

## HOUSEHOLD DATA QUARTERLY AVERAGES

### A-67. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted										
	Civilian noninstitutional population		Civilian labor force								
			Total		Employed		Unemployed		Percent of labor force		
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	
<b>VETERANS<sup>1</sup></b>											
Total, 20 years and over .....	8,477	8,576	8,061	8,107	7,607	7,614	453	492	5.6	6.1	
20 to 24 years .....	624	422	580	383	492	316	88	65	15.2	17.0	
25 to 29 years .....	7,054	7,219	6,793	6,934	6,458	6,532	336	403	4.9	5.8	
25 to 29 years .....	2,090	1,804	1,986	1,709	1,834	1,543	152	166	7.6	9.7	
30 to 34 years .....	3,558	3,609	3,438	3,485	3,301	3,324	136	162	4.0	4.6	
35 to 39 years .....	1,406	1,806	1,370	1,740	1,322	1,665	48	75	3.5	4.3	
40 years and over .....	798	935	687	790	658	765	29	25	4.3	3.1	
<b>NONVETERANS<sup>2</sup></b>											
Total, 25 to 39 years .....	14,241	15,146	13,509	14,360	12,905	13,556	604	805	4.5	5.6	
25 to 29 years .....	6,469	6,931	6,087	6,548	5,743	6,121	344	427	5.6	6.5	
30 to 34 years .....	4,084	4,415	3,899	4,208	3,749	3,990	150	219	3.8	5.2	
35 to 39 years .....	3,687	3,800	3,523	3,604	3,412	3,445	111	159	3.2	4.4	

<sup>1</sup> Vietnam-era veterans are those who served between August 5, 1964 and May 1975.

<sup>2</sup> Nonveterans are males who have never served in the Armed Forces. Published data are limited to those 25-39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

### A-68. Employment status of male Vietnam-Era veterans and nonveterans 25 to 39 years by age, race, and Hispanic origin, quarterly averages, not seasonally adjusted

(Numbers in thousands)

Employment status	Veterans <sup>1</sup>						Nonveterans					
	White		Black and other		Hispanic origin <sup>2</sup>		White		Black and other		Hispanic origin <sup>2</sup>	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>Total, 25 to 39 years:</b>												
Civilian noninstitutional population .....	6,362	6,513	692	706	233	268	12,365	13,148	1,875	1,998	968	1,091
Civilian labor force .....	6,146	6,279	647	655	220	254	11,842	12,582	1,667	1,778	918	1,018
Employed .....	5,873	5,955	586	576	209	236	11,387	11,943	1,518	1,612	872	943
Unemployed .....	273	324	61	79	11	18	455	639	149	166	46	75
Unemployment rate .....	4.4	5.2	9.4	12.1	5.0	7.1	3.8	5.1	8.9	9.3	5.0	7.4
<b>25 to 29 years</b>												
Civilian noninstitutional population .....	1,859	1,579	231	225	91	99	5,660	6,083	809	848	396	464
Civilian labor force .....	1,768	1,499	217	210	86	91	5,383	5,797	704	751	374	432
Employed .....	1,650	1,373	184	170	82	82	5,131	5,450	612	670	357	401
Unemployed .....	118	126	33	40	4	9	252	347	92	81	17	31
Unemployment rate .....	6.7	8.4	15.2	19.0	4.7	9.9	4.7	6.0	13.1	10.8	4.5	7.2
<b>30 to 34 years</b>												
Civilian noninstitutional population .....	3,242	3,292	316	317	112	112	3,515	3,788	569	627	297	358
Civilian labor force .....	3,144	3,190	294	295	104	107	3,384	3,640	515	568	279	335
Employed .....	3,024	3,056	278	267	99	102	3,274	3,473	476	517	268	306
Unemployed .....	120	134	16	28	5	5	110	167	39	51	11	29
Unemployment rate .....	3.8	4.2	5.4	9.5	4.8	4.7	3.3	4.6	7.6	9.0	3.9	8.7
<b>35 to 39 years</b>												
Civilian noninstitutional population .....	1,261	1,642	145	164	30	57	3,190	3,277	497	523	275	269
Civilian labor force .....	1,234	1,590	136	150	30	56	3,075	3,145	448	459	265	251
Employed .....	1,199	1,526	124	139	28	52	2,982	3,020	430	425	247	236
Unemployed .....	35	64	12	11	2	4	93	125	18	34	18	15
Unemployment rate .....	2.8	4.0	8.8	7.3	(3)	(3)	3.0	4.0	4.0	7.4	6.8	6.0

<sup>1</sup> See footnote 1, table A-67.

<sup>2</sup> See footnote 2, table A-67.

<sup>3</sup> Percent not shown where base is less than 80,000.

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-69. Employment status of the population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan areas						
	Total		Central cities		Suburbs		Total		Farm		Nonfarm		
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	
<b>Total</b>													
Civilian noninstitutional population	109,267	110,886	45,915	46,152	63,352	64,733	51,303	52,330	4,603	4,480	46,700	47,850	
Civilian labor force	70,143	71,469	28,453	28,755	41,690	42,714	31,117	31,796	2,815	2,773	28,302	29,023	
Percent of population	64.2	64.5	62.0	62.3	65.8	66.0	60.7	60.8	61.2	61.9	60.2	60.7	
Employed	65,776	66,780	26,343	26,528	39,433	40,252	29,125	29,538	2,742	2,671	26,383	26,867	
Unemployed	4,367	4,689	2,110	2,228	2,257	2,462	1,992	2,258	73	102	1,919	2,156	
Unemployment rate	6.2	6.6	7.4	7.7	5.4	5.8	6.4	7.1	2.6	3.7	6.8	7.4	
Not in labor force	39,125	39,417	17,462	17,397	21,663	22,020	20,185	20,534	1,788	1,707	18,397	18,827	
<b>Males, 20 years and over</b>													
Civilian noninstitutional population	46,009	46,833	19,010	19,100	26,999	27,733	21,817	22,309	2,084	2,046	19,733	20,263	
Civilian labor force	37,149	37,595	14,753	14,780	22,396	22,812	16,783	17,117	1,709	1,654	15,074	15,463	
Percent of population	80.7	80.3	77.6	77.4	83.0	82.3	76.9	76.7	82.0	80.9	76.4	76.3	
Employed	35,367	35,529	13,841	13,780	21,526	21,750	15,979	16,066	1,675	1,618	14,304	14,448	
Unemployed	1,782	2,063	912	1,000	870	1,063	805	1,051	34	36	771	1,015	
Unemployment rate	4.8	5.5	6.2	6.8	3.9	4.7	4.8	6.1	2.0	2.2	5.1	6.6	
Not in labor force	8,860	9,241	4,257	4,320	4,603	4,920	5,034	5,192	375	391	4,659	4,801	
<b>Females, 20 years and over</b>													
Civilian noninstitutional population	52,280	53,088	22,596	22,667	29,684	30,421	24,065	24,678	1,948	1,906	22,117	22,772	
Civilian labor force	27,010	27,964	11,543	11,811	15,467	16,153	11,481	11,982	809	842	10,672	11,140	
Percent of population	51.7	52.7	51.1	52.1	52.1	53.1	47.7	48.6	41.5	44.2	48.3	48.9	
Employed	25,458	26,350	10,774	11,028	14,684	15,322	10,753	11,252	788	807	9,965	10,445	
Unemployed	1,552	1,615	769	784	783	831	727	731	21	35	706	696	
Unemployment rate	5.7	5.8	6.7	6.6	5.1	5.1	6.3	6.1	2.7	4.2	6.6	6.2	
Not in labor force	25,270	25,123	11,053	10,856	14,217	14,268	12,584	12,696	1,139	1,064	11,445	11,632	
<b>Both sexes, 16-19 years</b>													
Civilian noninstitutional population	10,978	10,966	4,310	4,386	6,668	6,580	5,420	5,342	571	528	4,849	4,814	
Civilian labor force	5,983	5,913	2,157	2,165	3,826	3,748	2,853	2,697	297	277	2,556	2,420	
Percent of population	54.5	53.9	50.0	49.4	57.4	57.0	52.6	50.5	52.0	52.4	52.7	50.3	
Employed	4,951	4,901	1,728	1,721	3,223	3,180	2,393	2,221	280	245	2,113	1,976	
Unemployed	1,033	1,012	429	444	604	568	460	476	17	31	443	445	
Unemployment rate	17.3	17.1	19.9	20.5	15.8	15.2	16.1	17.6	5.7	11.3	17.3	18.4	
Not in labor force	4,995	5,053	2,151	2,221	2,844	2,831	2,567	2,646	274	251	2,293	2,395	
<b>White</b>													
Civilian noninstitutional population	94,040	95,084	35,150	35,062	58,890	60,022	46,817	47,873	4,353	4,216	42,464	43,657	
Civilian labor force	60,660	61,721	21,979	22,153	38,681	39,568	28,594	29,340	2,686	2,634	25,908	26,706	
Percent of population	64.5	64.9	62.5	63.2	65.7	65.9	61.1	61.3	61.7	62.5	61.0	61.2	
Employed	57,415	58,197	20,718	20,807	36,697	37,390	26,904	27,405	2,623	2,547	24,281	24,858	
Unemployed	3,244	3,524	1,261	1,345	1,983	2,178	1,690	1,936	63	88	1,627	1,848	
Unemployment rate	5.3	5.7	5.7	6.1	5.1	5.5	5.9	6.6	2.4	3.3	6.3	6.9	
Not in labor force	33,381	33,364	13,171	12,910	20,210	20,454	18,223	18,532	1,667	1,582	16,556	16,950	
<b>Black and other</b>													
Civilian noninstitutional population	15,227	15,802	10,765	11,090	4,462	4,712	4,486	4,457	250	264	4,236	4,193	
Civilian labor force	9,483	9,748	6,474	6,603	3,009	3,145	2,523	2,456	129	139	2,394	2,317	
Percent of population	62.3	61.7	60.1	59.5	67.4	66.7	56.2	55.1	51.6	52.5	56.5	55.3	
Employed	8,360	8,583	5,625	5,721	2,735	2,862	2,221	2,134	120	124	2,101	2,010	
Unemployed	1,123	1,165	849	882	274	284	302	322	9	15	293	307	
Unemployment rate	11.8	12.0	13.1	13.4	9.1	9.0	12.0	13.1	7.3	10.8	12.2	13.2	
Not in labor force	5,744	6,053	4,291	4,487	1,453	1,566	1,963	2,001	121	125	1,842	1,876	

**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-70. Employment status of the population in poverty and nonpoverty areas by race**

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	I 1979	I 1989	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>Total</b>												
Civilian noninstitutional population	28,999	29,176	131,571	134,040	11,011	11,080	98,257	99,806	17,989	18,096	33,314	34,233
Civilian labor force	16,015	16,091	85,245	87,174	5,891	5,943	64,252	65,527	10,124	10,148	20,993	21,648
Percent of population	55.2	55.2	64.8	65.0	53.5	53.6	65.4	65.7	56.3	56.1	63.0	63.2
Employed	14,600	14,558	80,301	81,761	5,182	5,178	60,594	61,602	9,418	9,380	19,706	20,158
Unemployed	1,415	1,533	4,945	5,414	709	765	3,658	3,924	706	768	1,287	1,489
Unemployment rate	8.8	9.5	5.8	6.2	12.0	12.9	5.7	6.0	7.0	7.6	6.1	6.9
Not in labor force	12,984	13,085	46,325	46,865	5,120	5,137	34,004	34,280	7,864	7,948	12,321	12,586
<b>White</b>												
Civilian noninstitutional population	20,609	20,663	120,248	122,294	5,649	5,537	88,391	89,548	14,960	15,126	31,856	32,747
Civilian labor force	11,585	11,708	77,669	79,353	3,058	3,082	57,602	58,638	8,527	8,626	20,067	20,715
Percent of population	56.2	56.7	64.6	64.9	54.1	55.7	65.2	65.5	57.0	57.0	63.0	63.3
Employed	10,821	10,831	73,499	74,770	2,804	2,770	54,612	55,427	8,017	8,061	18,887	19,343
Unemployed	764	877	4,170	4,583	254	313	2,990	3,211	510	564	1,180	1,371
Unemployment rate	6.6	7.5	5.4	5.8	8.3	10.1	5.2	5.5	6.0	6.5	5.9	6.6
Not in labor force	9,024	8,955	42,579	42,941	2,591	2,454	30,790	30,909	6,433	6,500	11,789	12,032
<b>Black and other</b>												
Civilian noninstitutional population	8,390	8,513	11,323	11,745	5,361	5,543	9,866	10,259	3,028	2,970	1,458	1,486
Civilian labor force	4,430	4,383	7,577	7,821	2,833	2,860	6,651	6,888	1,597	1,523	926	933
Percent of population	52.8	51.5	66.9	66.6	52.8	51.6	67.4	67.1	52.7	51.3	63.5	62.8
Employed	3,779	3,726	6,802	6,990	2,378	2,408	5,983	6,175	1,402	1,318	819	815
Unemployed	651	656	775	831	455	452	668	713	196	204	107	118
Unemployment rate	14.7	15.0	10.2	10.6	16.1	15.8	10.0	10.4	12.2	13.4	11.5	12.6
Not in labor force	3,960	4,130	3,747	3,924	2,529	2,683	3,215	3,371	1,431	1,448	532	553

**A-71. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race**

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980	I 1979	I 1980
<b>Total</b>												
Both sexes, 16 years and over	8.8	9.5	5.8	6.2	12.0	12.9	5.7	6.0	7.0	7.6	6.1	6.9
Males, 20 years and over	7.0	8.3	4.4	5.2	10.2	11.0	4.3	5.0	5.2	6.7	4.6	5.8
Females, 20 years and over	8.7	7.9	5.4	5.5	10.7	10.5	5.3	5.3	7.5	6.3	5.8	6.0
Both sexes, 16-19 years	21.0	25.1	16.2	15.9	29.4	35.2	16.2	15.4	16.1	18.9	16.1	17.1
<b>White</b>												
Both sexes, 16 years and over	6.6	7.5	5.4	5.8	8.3	10.1	5.2	5.5	6.0	6.5	5.9	6.6
Males, 20 years and over	5.6	6.5	4.0	4.9	7.6	8.6	3.9	4.6	4.8	5.8	4.4	5.7
Females, 20 years and over	6.7	6.3	5.0	5.1	7.6	9.1	4.8	4.9	6.4	5.4	5.5	5.7
Both sexes, 16-19 years	13.3	18.9	15.2	14.6	16.6	25.4	14.9	14.0	12.2	16.6	15.8	16.2
<b>Black and other</b>												
Both sexes, 16 years and over	14.7	15.0	10.2	10.6	16.1	15.8	10.0	10.4	12.2	13.4	11.5	12.6
Males, 20 years and over	11.4	13.5	8.7	9.1	13.6	14.1	8.5	9.1	7.8	12.6	9.8	8.9
Females, 20 years and over	13.2	11.5	9.0	9.1	13.5	11.8	8.7	8.7	12.6	10.9	10.8	12.2
Both sexes, 16-19 years	39.0	41.5	29.0	31.9	40.4	45.2	29.7	30.9	36.2	33.3	25.2	37.9

# HOUSEHOLD DATA QUARTERLY AVERAGES

## A-72. Unemployed persons by family relationship and presence of employed family members

(Numbers in thousands)

Family relationship	I 1979				I 1980			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>								
Unemployed, total .....	6,360	40.4	59.6	53.3	6,947	41.1	58.9	52.0
Unemployed, in families <sup>1</sup> .....	5,444	30.4	69.6	62.2	5,913	30.8	69.2	61.1
Husbands <sup>2</sup> .....	1,329	51.0	49.0	36.0	1,674	47.5	52.5	39.7
Wives .....	1,240	15.7	84.3	79.8	1,264	17.1	82.9	77.8
Relatives in husband-wife families .....	1,745	10.0	90.0	85.6	1,778	10.5	89.5	84.2
Women who head families .....	406	84.7	15.3	10.1	453	83.9	16.1	10.4
Relatives of female heads .....	724	36.3	63.7	53.5	744	32.8	67.2	56.7
Unemployed, not in families <sup>3</sup> .....	916	--	--	--	1,034	--	--	--
<b>White</b>								
Unemployed, total .....	4,934	38.7	61.3	55.0	5,460	38.9	61.1	54.3
Unemployed, in families <sup>1</sup> .....	4,221	28.4	71.6	64.3	4,654	28.7	71.3	63.7
Husbands <sup>2</sup> .....	1,108	52.5	47.5	34.6	1,426	47.1	52.9	39.1
Wives .....	1,039	15.4	84.6	80.2	1,080	15.8	84.2	79.3
Relatives in husband-wife families .....	1,441	9.6	90.4	86.3	1,474	9.4	90.6	85.7
Women who head families .....	228	80.3	19.7	11.4	268	80.2	19.8	13.4
Relatives of female heads .....	405	33.1	66.9	56.5	406	29.6	70.4	61.8
Unemployed, not in families <sup>3</sup> .....	713	--	--	--	806	--	--	--
<b>Black<sup>4</sup></b>								
Unemployed, total .....	1,308	47.0	53.0	46.7	1,338	49.4	50.6	43.0
Unemployed, in families <sup>1</sup> .....	1,125	38.4	61.6	54.3	1,127	39.9	60.1	51.1
Husbands <sup>2</sup> .....	196	43.9	56.1	43.4	210	47.1	52.9	44.8
Wives .....	176	17.6	82.4	77.8	150	23.3	76.7	70.0
Relatives in husband-wife families .....	273	12.5	87.5	81.7	271	15.5	84.5	76.8
Women who head families .....	172	90.7	9.3	8.1	174	89.1	10.9	5.2
Relatives of female heads .....	308	40.6	59.4	49.4	322	37.0	63.0	49.7
Unemployed, not in families <sup>3</sup> .....	183	--	--	--	211	--	--	--

<sup>1</sup> In primary families only.

<sup>2</sup> Includes a small number of single, separated, widowed, or divorced men who head families.

<sup>3</sup> Includes unrelated individuals and persons in secondary families.

<sup>4</sup> According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.



**HOUSEHOLD DATA  
QUARTERLY AVERAGES**

**A-73. Employed persons by family relationship and presence of additional employed family members**

(Numbers in thousands)

Family relationship	I 1979				I 1980			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
<b>TOTAL</b>								
Employed, total	94,901	37.9	62.1	52.9	96,318	37.9	62.1	52.6
Employed, in families <sup>1</sup>	81,465	27.6	72.4	61.6	82,075	27.2	72.8	61.8
Husbands <sup>2</sup>	39,479	40.1	59.9	43.2	39,197	38.9	61.1	44.0
Wives	22,400	8.9	91.1	87.1	23,042	9.5	90.5	86.0
Relatives in husband-wife families	11,891	6.7	93.3	89.6	11,776	6.8	93.2	89.3
Women who head families	4,494	67.1	32.9	22.5	4,663	66.8	33.2	22.4
Relatives of female heads	3,201	27.4	72.6	62.6	3,397	28.1	71.9	61.4
Employed, not in families <sup>3</sup>	13,436	--	--	--	14,243	--	--	--
<b>White</b>								
Employed, total	84,319	37.3	62.7	53.2	85,602	37.4	62.6	52.9
Employed, in families <sup>1</sup>	72,627	27.3	72.7	61.7	73,097	26.7	73.3	61.9
Husbands <sup>2</sup>	35,998	40.5	59.5	42.3	35,716	39.3	60.7	43.1
Wives	20,103	8.5	91.5	87.6	20,673	9.0	91.0	86.4
Relatives in husband-wife families	10,736	6.4	93.6	90.1	10,681	6.6	93.4	89.7
Women who head families	3,351	62.5	34.8	23.1	3,404	63.6	36.4	24.2
Relatives of female heads	2,439	26.4	73.6	63.8	2,623	28.0	72.0	62.0
Employed, not in families <sup>3</sup>	11,692	--	--	--	12,505	--	--	--
<b>Black<sup>4</sup></b>								
Employed, total	8,891	43.5	56.5	49.5	8,983	43.9	56.1	49.0
Employed, in families <sup>1</sup>	7,422	32.3	67.7	59.3	7,532	33.1	66.9	58.5
Husbands <sup>2</sup>	2,864	36.2	63.8	52.2	2,876	35.6	64.4	53.2
Wives	1,869	14.0	86.0	81.2	1,938	14.4	85.6	81.2
Relatives in husband-wife families	912	10.0	90.0	83.8	819	9.6	90.4	84.0
Women who head families	1,070	73.6	26.4	20.3	1,181	76.2	23.8	16.8
Relatives of female heads	707	31.4	68.6	57.7	718	29.2	70.8	58.1
Employed, not in families <sup>3</sup>	1,469	--	--	--	1,451	--	--	--

<sup>1</sup> See footnote 1, table A-72.

<sup>2</sup> See footnote 2, table A-72.

<sup>3</sup> See footnote 3, table A-72.

<sup>4</sup> See footnote 4, table A-72.

# ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

## B-1. Employees on nonagricultural payrolls by industry division, 1920 to date

Year and month	Employees on nonagricultural payrolls by industry division, 1920 to date														
	Total	Goods-producing				Service-producing									
		Total	Mining	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	
1920.....	27,340	12,760	1,239	863	10,658	14,605	3,998	4,467	-	-	1,160	2,352	2,603	-	-
1925.....	28,766	12,489	1,089	1,461	9,939	16,304	3,826	5,576	-	-	1,218	2,857	2,800	-	-
1926.....	29,806	12,911	1,185	1,570	10,156	16,923	3,942	5,784	-	-	1,290	3,033	2,846	-	-
1927.....	29,962	12,738	1,114	1,623	10,001	17,253	3,895	5,908	-	-	1,352	3,154	2,915	-	-
1928.....	29,986	12,618	1,050	1,621	9,947	17,397	3,828	5,874	-	-	1,420	3,251	2,995	-	-
1929.....	31,324	13,301	1,087	1,512	10,702	18,053	3,916	6,123	-	-	1,494	3,425	3,065	533	2,532
1930.....	29,409	11,958	1,009	1,387	9,562	17,481	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622
1931.....	26,635	10,272	873	1,229	8,170	16,392	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704
1932.....	23,615	8,647	731	985	6,931	14,996	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666
1933.....	23,699	8,965	744	824	7,397	14,761	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601
1934.....	25,940	10,261	883	877	8,501	15,707	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647
1935.....	27,039	10,893	897	927	9,069	16,175	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728
1936.....	29,068	11,933	946	1,160	9,827	17,164	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842
1937.....	31,011	12,936	1,015	1,127	10,794	18,105	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923
1938.....	29,194	11,401	891	1,070	9,440	17,823	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054
1939.....	30,603	12,297	854	1,165	10,278	16,544	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090
1940.....	32,361	13,221	925	1,311	10,985	17,304	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206
1941.....	36,535	15,963	957	1,814	13,192	18,165	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320
1942.....	40,106	18,470	992	2,198	15,280	19,730	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270
1943.....	42,434	20,114	925	1,587	17,602	20,498	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175
1944.....	41,864	19,328	892	1,108	17,328	20,692	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116
1945.....	40,374	17,507	836	1,147	15,524	20,920	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137
1946.....	41,652	17,248	862	1,683	14,703	22,112	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948
1950.....	45,197	18,506	901	2,364	15,241	26,690	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098
1951.....	47,819	19,959	929	2,637	16,393	27,861	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188
1953.....	50,202	21,074	866	2,659	17,549	29,127	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340
1954.....	48,990	19,751	791	2,646	16,314	29,238	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727
1956.....	52,369	21,104	822	3,039	17,243	31,264	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069
1957.....	52,853	20,964	828	2,962	17,174	31,888	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399
1958.....	51,324	19,513	751	2,817	15,945	31,810	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648
1959.....	53,268	20,411	732	3,004	16,675	32,858	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850
1960.....	54,185	20,434	712	2,926	16,796	33,756	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550
1963.....	56,653	20,640	635	3,010	16,995	36,014	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868
1964.....	58,283	21,005	634	3,097	17,274	37,277	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248
1965.....	60,765	21,926	632	3,232	18,062	38,838	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696
1966.....	63,901	23,158	627	3,317	19,214	40,744	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220
1967.....	65,803	23,308	613	3,248	19,447	42,966	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672
1968.....	67,897	23,737	606	3,350	19,781	44,158	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102
1969.....	70,384	24,362	619	3,575	20,167	46,022	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,756	9,437
1970.....	70,880	23,577	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823
1971.....	71,214	22,935	609	3,704	18,623	48,276	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138
1977.....	82,423	24,346	813	3,851	19,682	58,077	4,713	18,516	4,708	13,808	4,467	15,303	15,079	2,727	12,352
1978.....	86,446	25,597	851	4,271	20,476	60,849	4,927	19,499	4,957	14,542	4,727	16,220	15,476	2,753	12,723
1979.....	89,482	26,574	957	4,644	20,972	62,909	5,154	20,137	5,170	14,966	4,963	17,043	15,612	2,773	12,839
1979:															
MAR.....	88,207	26,039	926	4,226	20,887	62,168	5,060	19,690	5,098	14,592	4,870	16,749	15,799	2,740	13,059
APR.....	88,820	26,252	932	4,413	20,907	62,568	4,989	19,957	5,112	14,845	4,900	16,897	15,825	2,750	13,075
MAY.....	89,671	26,594	944	4,662	20,988	63,077	5,125	20,119	5,146	14,973	4,936	17,039	15,858	2,773	13,085
JUN.....	90,541	27,083	968	4,881	21,234	63,458	5,231	20,222	5,211	15,011	5,003	17,239	15,763	2,824	12,939
JUL.....	89,618	26,934	976	4,993	20,965	62,684	5,200	20,118	5,208	14,910	5,032	17,314	15,020	2,838	12,182
AUG.....	89,673	27,030	986	5,048	20,996	62,643	5,210	20,137	5,211	14,926	5,053	17,312	14,931	2,844	12,087
SEPT.....	90,211	27,156	980	4,984	21,192	63,055	5,242	20,260	5,206	15,054	5,002	17,225	15,326	2,751	12,575
OCT.....	90,678	27,052	982	4,976	21,094	63,626	5,244	20,314	5,235	15,079	5,013	17,292	15,763	2,756	13,007
NOV.....	90,902	26,829	984	4,879	20,966	64,073	5,255	20,580	5,251	15,329	5,029	17,281	15,928	2,760	13,168
DEC.....	91,009	26,597	984	4,711	20,902	64,412	5,254	20,932	5,234	15,698	5,041	17,270	15,915	2,770	13,145
1980:															
JAN.....	89,285	26,031	982	4,350	20,699	63,254	5,149	20,224	5,211	15,013	5,040	17,111	15,730	2,763	12,967
FEB..P.....	89,346	25,882	977	4,260	20,645	63,464	5,124	20,050	5,212	14,838	5,044	17,277	15,969	2,763	13,166
MAR..P.....	89,774	25,959	991	4,301	20,667	63,815	5,140	20,112	5,226	14,886	5,060	17,456	16,047	2,805	13,242

<sup>1</sup> Data include Alaska and Hawaii beginning 1969. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month. p = preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>
	<b>TOTAL</b> .....	87,331	88,207	89,285	89,346	89,774	-	-	-	-	-
	<b>PRIVATE SECTOR</b> .....	71,613	72,408	73,555	73,377	73,727	58,392	59,108	59,827	59,652	59,961
	<b>MINING</b> .....	915	926	982	977	991	689	695	732	725	734
	<b>METAL MINING</b> .....	93.7	94.5	99.8	99.3	-	71.6	72.3	76.0	75.6	-
101	Iron ores .....	24.4	24.5	23.9	23.4	-	19.5	19.6	19.0	18.5	-
102	Copper ores .....	30.0	30.4	33.5	33.4	-	23.0	23.3	26.0	26.0	-
11, 12	<b>COAL MINING</b> .....	253.6	256.6	257.9	256.2	-	213.0	214.6	215.0	213.5	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	250.7	253.7	254.9	253.1	-	210.4	212.0	212.3	210.8	-
13	<b>OIL AND GAS EXTRACTION</b> .....	454.5	456.0	507.7	506.5	-	315.4	314.1	350.1	346.1	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	193.0	194.3	210.2	210.4	-	94.1	93.7	97.6	94.9	-
138	Oil and gas field services .....	261.5	261.7	297.5	296.1	-	221.3	220.4	252.5	251.2	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	113.3	118.5	116.3	114.8	-	88.6	93.7	90.4	89.3	-
142	Crushed and broken stone .....	36.6	39.4	37.3	36.3	-	30.2	32.8	30.6	29.9	-
144	Sand and gravel .....	33.2	35.1	34.3	33.9	-	-	-	-	-	-
147	Chemical and fertilizer minerals .....	24.0	24.1	24.8	24.8	-	-	-	-	-	-
	<b>CONSTRUCTION</b> .....	3,957	4,226	4,350	4,260	4,301	3,063	3,322	3,389	3,292	3,321
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	1,139.5	1,206.9	1,220.7	1,170.9	-	855.8	920.1	929.9	875.5	-
152	Residential building construction .....	602.0	638.4	618.5	585.8	-	440.7	476.7	452.2	419.1	-
153	Operative builders .....	76.0	79.3	77.3	78.0	-	48.9	50.8	48.4	46.1	-
154	Nonresidential building construction .....	461.5	489.2	524.9	507.1	-	366.2	392.6	429.3	410.3	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	708.8	773.9	748.4	734.1	-	560.5	625.0	588.7	571.5	-
161	Highway and street construction .....	186.6	215.6	204.4	201.7	-	148.5	176.6	163.0	160.1	-
162	Heavy construction, except highway .....	522.2	558.3	544.0	532.4	-	412.0	448.4	425.7	411.4	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	2,108.8	2,245.6	2,381.1	2,354.6	-	1,646.4	1,777.0	1,870.8	1,844.9	-
171	Plumbing, heating, air conditioning .....	506.9	513.9	558.8	547.2	-	383.0	389.0	423.8	413.8	-
172	Painting, paper hanging, decorating .....	126.0	130.9	147.0	145.5	-	102.8	106.5	119.5	118.3	-
173	Electrical work .....	380.5	384.1	425.7	420.6	-	295.8	298.5	331.8	327.0	-
174	Masonry, stonework, and plastering .....	342.4	390.6	405.4	398.7	-	290.1	337.8	346.2	338.5	-
175	Carpentering and flooring .....	141.2	148.7	140.7	139.2	-	109.3	116.5	106.4	104.5	-
176	Roofing and sheet metal work .....	138.5	166.2	168.6	162.8	-	106.8	133.8	133.1	127.0	-
	<b>MANUFACTURING</b> .....	20,775	20,887	20,699	20,645	20,667	14,908	14,993	14,674	14,608	14,641
24, 25, 32-39	<b>DURABLE GOODS</b> .....	12,579	12,664	12,525	12,515	12,532	9,018	9,081	8,825	8,808	8,827
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	8,196	8,223	8,174	8,130	8,135	5,890	5,912	5,849	5,800	5,814
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	737.7	745.5	709.2	706.8	702.7	627.3	635.0	597.1	594.5	589.7
241	Logging camps and logging contractors .....	85.0	83.9	85.2	85.5	-	69.1	68.2	70.2	69.9	-
242	Sawmills and planing mills .....	224.2	226.7	220.5	218.2	-	199.8	202.7	196.2	194.1	-
2421	Sawmills and planing mills, general .....	183.9	185.6	181.0	179.7	-	164.5	166.6	161.5	160.2	-
2426	Hardwood dimension and flooring .....	33.5	33.6	31.3	30.5	-	29.4	29.4	27.3	26.6	-
243	Millwork, plywood, and structural members .....	223.0	225.0	208.9	207.0	-	187.5	189.2	172.4	170.9	-
2431	Millwork .....	78.9	78.9	73.8	73.2	-	64.9	64.7	59.2	58.8	-
2434	Wood kitchen cabinets .....	50.0	51.5	47.0	46.9	-	42.0	43.4	39.1	39.2	-
2435	Hardwood veneer and plywood .....	27.7	27.6	26.8	26.4	-	24.7	24.7	23.7	23.5	-
2436	Softwood veneer and plywood .....	49.9	49.8	45.7	45.4	-	43.2	43.0	39.1	38.8	-
244	Wooden containers .....	43.9	44.5	39.6	40.2	-	38.9	39.4	34.7	35.0	-
245	Wood buildings and mobile homes .....	76.6	80.0	70.4	70.8	-	60.2	63.3	53.3	54.0	-
2451	Mobile homes .....	53.6	55.4	50.3	51.6	-	44.1	45.9	39.7	40.9	-
249	Miscellaneous wood products .....	85.0	85.4	84.6	85.1	-	71.8	72.2	70.3	70.6	-
25	<b>FURNITURE AND FIXTURES</b> .....	495.2	491.8	484.4	480.1	480.7	406.0	402.8	395.0	391.5	391.7
251	Household furniture .....	330.1	327.7	320.2	316.6	-	280.6	278.2	271.1	268.0	-
2511	Wood household furniture .....	145.9	144.8	142.8	141.1	-	129.1	128.0	126.3	124.4	-
2512	Upholstered household furniture .....	101.8	101.0	97.6	97.1	-	84.2	83.7	80.6	80.3	-
2514	Metal household furniture .....	34.3	34.1	33.0	32.2	-	28.0	27.7	26.9	26.5	-
2515	Mattresses and bedspreads .....	32.3	32.3	31.8	31.5	-	25.0	24.9	24.2	24.0	-
252	Office furniture .....	47.6	47.1	47.2	46.7	-	38.4	37.6	37.5	37.1	-
253	Public building and related furniture .....	26.2	26.5	24.7	24.5	-	19.7	20.3	18.4	18.1	-
254	Partitions and fixtures .....	63.8	63.4	64.9	65.0	-	48.2	47.9	49.0	49.2	-
259	Miscellaneous furniture and fixtures .....	27.5	27.1	27.4	27.3	-	19.1	18.8	19.0	19.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	680.6	697.2	680.8	677.7	681.9	534.8	549.0	530.0	526.0	530.8
321	Flat glass	19.1	21.6	19.3	19.5	-	14.9	17.0	15.0	15.2	-
322	Glass and glassware, pressed or blown	131.6	132.1	129.4	129.1	-	112.3	113.0	110.2	109.8	-
3221	Glass containers	73.8	74.0	69.9	70.5	-	64.6	65.1	61.2	61.9	-
3229	Pressed and blown glass, nec	57.8	58.1	59.5	58.6	-	47.7	47.9	49.0	47.9	-
323	Products of purchased glass	48.3	49.2	49.0	49.5	-	35.7	36.1	36.4	35.6	-
324	Cement, hydraulic	32.3	32.5	32.5	32.4	-	26.0	26.1	25.9	25.8	-
325	Structural clay products	49.7	50.1	46.8	46.2	-	39.0	39.1	35.6	35.0	-
326	Pottery and related products	44.8	45.4	46.0	46.5	-	37.8	38.2	38.2	38.5	-
327	Concrete, gypsum, and plaster products	196.6	206.7	199.5	195.2	-	150.1	159.7	151.3	148.0	-
3271	Concrete block and brick	22.7	24.1	23.0	22.3	-	15.7	17.0	15.7	15.1	-
3272	Concrete products, nec	68.9	70.9	66.3	65.6	-	52.3	54.2	49.8	49.3	-
3273	Ready-mixed concrete	83.7	90.2	88.3	85.7	-	64.7	71.0	67.9	65.9	-
329	Misc. nonmetallic mineral products	146.1	147.2	146.3	146.5	-	109.2	109.9	107.8	107.8	-
3291	Abrasive products	29.3	29.6	29.9	30.1	-	20.0	20.2	20.5	20.8	-
3292	Asbestos products	22.9	22.5	21.2	21.3	-	17.9	17.4	16.4	16.5	-
3296	Mineral wool	30.3	30.8	31.3	31.2	-	-	-	-	-	-
33	<b>PRIMARY METAL INDUSTRIES</b>	1,244.8	1,251.1	1,201.6	1,199.1	1,196.9	982.5	988.0	936.8	933.0	931.7
331	Blast furnace and basic steel products	564.6	568.0	541.3	540.1	-	447.7	450.8	423.9	422.2	-
3312	Blast furnaces and steel mills	474.4	477.2	454.7	454.2	-	377.6	380.2	357.3	356.4	-
3317	Steel pipe and tubes	32.0	32.4	30.1	30.0	-	25.3	25.7	23.2	23.0	-
332	Iron and steel foundries	245.2	246.5	222.9	221.2	-	200.8	202.2	180.6	179.1	-
3321	Gray iron foundries	153.1	154.3	134.0	131.4	-	127.8	128.9	110.5	108.3	-
3322	Malleable iron foundries	23.3	23.3	18.9	19.4	-	18.9	18.9	14.6	15.2	-
3325	Steel foundries, nec	55.2	55.2	55.1	55.2	-	44.2	44.3	44.0	44.0	-
333	Primary nonferrous metals	71.1	71.4	71.8	71.7	-	55.3	55.3	55.3	54.8	-
3334	Primary aluminum	35.9	36.1	37.2	36.9	-	29.1	29.1	29.8	29.1	-
335	Nonferrous rolling and drawing	217.1	217.5	218.5	218.1	-	159.8	160.3	159.5	158.7	-
3351	Copper rolling and drawing	33.6	33.7	32.5	32.5	-	26.8	26.8	24.8	24.8	-
3353	Aluminum sheet, plate, and foil	35.5	35.8	35.0	35.2	-	26.9	27.5	26.8	26.9	-
3357	Nonferrous wire drawing and insulating	87.9	88.0	90.1	90.0	-	65.5	65.4	66.3	66.2	-
336	Nonferrous foundries	99.0	99.3	96.0	96.6	-	82.3	82.5	78.3	78.6	-
3361	Aluminum foundries	56.4	56.3	54.9	55.5	-	47.6	47.4	45.6	46.0	-
34	<b>FABRICATED METAL PRODUCTS</b>	1,715.6	1,719.8	1,703.8	1,705.9	1,708.9	1,301.1	1,303.2	1,278.4	1,282.9	1,283.9
341	Metal cans and shipping containers	77.1	78.3	76.0	76.8	-	65.7	66.8	64.1	64.9	-
3411	Metal cans	63.3	64.3	61.8	62.5	-	54.3	55.2	52.6	53.3	-
342	Cutlery, hand tools, and hardware	186.7	186.0	181.0	180.1	-	145.8	145.1	139.9	138.8	-
3423.5	Hand and edge tools, and hand saws and blades	65.1	64.0	65.1	64.5	-	51.5	50.4	51.0	50.3	-
3429	Hardware, nec	105.3	105.8	99.8	99.5	-	82.4	83.0	77.2	76.8	-
343	Plumbing and heating, except electric	74.7	74.4	76.3	76.6	-	55.0	54.8	56.9	56.7	-
3432	Plumbing fittings and brass goods	27.8	27.9	29.0	29.5	-	22.4	22.5	23.8	24.2	-
3433	Heating equipment, except electric	35.3	34.7	36.0	35.5	-	24.2	23.7	25.0	24.4	-
344	Fabricated structural metal products	509.6	510.4	527.2	522.8	-	358.8	358.9	371.1	368.3	-
3441	Fabricated structural metal	102.3	102.9	109.8	109.3	-	74.2	74.3	79.6	79.4	-
3442	Metal doors, sash, and trim	82.3	82.1	85.5	83.9	-	60.7	60.7	63.6	62.2	-
3443	Fabricated plate work (boiler shops)	149.0	149.4	148.3	147.8	-	97.2	97.4	94.7	94.2	-
3444	Sheet metal work	106.3	106.3	111.4	110.1	-	78.2	77.9	83.1	81.9	-
3446	Architectural metal work	31.4	31.3	32.4	33.0	-	22.7	22.6	23.5	23.9	-
345	Screw machine products, bolts, etc.	118.9	119.6	121.4	121.5	-	93.7	94.5	95.3	95.5	-
3451	Screw machine products	57.1	57.4	58.8	58.8	-	47.4	47.8	48.6	48.6	-
3452	Bolts, nuts, rivets, and washers	61.8	62.2	62.6	62.7	-	46.3	46.7	46.7	46.9	-
346	Metal forgings and stampings	309.3	308.9	276.8	283.2	-	249.8	248.8	217.5	225.2	-
3462	Iron and steel forgings	54.9	55.4	53.6	53.3	-	43.9	44.3	41.9	42.0	-
3465	Automotive stampings	116.2	114.8	82.7	89.7	-	98.2	96.8	65.1	73.2	-
3469	Metal stampings, nec	126.8	127.3	128.7	128.4	-	98.8	98.9	101.2	100.8	-
347	Metal services, nec	107.6	108.2	109.9	109.9	-	88.2	88.5	89.1	89.4	-
3471	Plating and polishing	73.6	73.9	74.1	73.7	-	61.0	61.1	60.7	60.5	-
3479	Metal coating and allied services	34.0	34.3	35.8	36.2	-	27.2	27.4	28.4	28.9	-
348	Ordnance and accessories, nec	61.3	61.3	59.9	59.5	-	42.7	42.6	40.4	39.9	-
3483	Ammunition, exc. for small arms, nec	26.3	26.3	26.4	26.1	-	18.4	18.2	18.1	17.7	-
349	Misc. fabricated metal products	270.4	272.7	275.3	275.5	-	201.4	203.2	204.1	204.2	-
3494	Valves and pipe fittings	105.6	106.8	110.2	110.2	-	73.1	73.8	74.9	75.1	-
3496	Misc. fabricated wire products	56.9	57.4	58.0	58.1	-	44.1	44.6	45.7	45.9	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2,446.4	2,459.5	2,522.5	2,522.8	2,526.9	1,619.6	1,624.7	1,653.0	1,649.5	1,652.8
351	Engines and turbines	139.0	138.9	137.6	135.0	-	91.0	90.7	90.6	88.4	-
3511	Turbines and turbine generator sets	42.4	42.6	40.3	40.2	-	22.1	22.1	20.4	20.3	-
3519	Internal combustion engines, nec	96.6	96.3	97.3	94.8	-	68.9	68.6	70.2	68.1	-
352	Farm and garden machinery	175.5	177.9	171.7	170.6	-	125.8	127.4	123.0	121.0	-
3523	Farm machinery and equipment	154.1	156.4	150.5	149.5	-	110.0	111.9	107.6	105.8	-
353	Construction and related machinery	400.7	403.7	416.6	417.5	-	269.0	270.4	276.4	276.6	-
3531	Construction machinery	174.8	175.4	169.8	170.5	-	120.3	120.6	115.4	115.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery.....	37.7	38.3	40.4	40.5	-	24.1	24.6	25.8	25.9	-
3533	Oil field machinery.....	83.0	83.9	91.3	92.7	-	58.0	58.0	62.4	63.4	-
3535	Conveyers and conveying equipment.....	36.1	36.1	38.1	37.4	-	21.6	21.6	22.1	21.4	-
3537	Industrial trucks and tractors.....	38.1	38.7	41.6	41.2	-	26.3	26.8	28.3	27.9	-
354	Metalworking machinery.....	363.2	364.3	377.2	378.7	-	265.8	266.2	274.9	275.4	-
3541	Machine tools, metal cutting types.....	76.6	77.5	82.1	82.4	-	50.0	50.5	52.9	53.0	-
3542	Machine tools, metal forming types.....	26.2	26.4	27.7	27.7	-	17.3	17.4	18.2	18.2	-
3544	Special dies, tools, jigs, and fixtures.....	134.7	135.7	134.6	134.5	-	108.2	109.2	107.9	107.4	-
3545	Machine tool accessories.....	65.8	65.2	70.1	70.7	-	46.8	46.0	49.5	49.9	-
3546	Power driven hand tools.....	35.1	34.6	38.4	38.9	-	26.5	26.1	30.1	30.5	-
355	Special industry machinery.....	205.7	207.1	213.3	213.7	-	129.9	129.7	134.4	135.5	-
3551	Food products machinery.....	47.5	47.5	49.1	49.3	-	29.7	29.8	31.0	31.3	-
3552	Textile machinery.....	26.7	26.9	27.4	27.6	-	18.8	18.9	19.3	19.6	-
3555	Printing trades machinery.....	40.5	40.8	43.9	44.0	-	24.3	24.4	26.5	26.9	-
356	General industrial machinery.....	325.5	326.9	332.7	331.9	-	218.0	218.7	221.8	220.1	-
3561	Pumps and pumping equipment.....	61.3	61.5	61.2	61.4	-	37.7	37.8	37.4	37.6	-
3562	Ball and roller bearings.....	59.6	60.2	61.4	61.8	-	46.6	47.0	48.7	48.5	-
3563	Air and gas compressors.....	31.1	30.7	31.0	31.0	-	18.4	17.9	18.5	18.5	-
3564	Blowers and fans.....	41.7	41.8	43.0	42.7	-	26.2	26.3	26.4	26.0	-
3566	Speed changers, drives, and gears.....	26.8	27.1	28.4	28.4	-	18.5	18.6	19.6	19.5	-
3568	Power transmission equipment, nec.....	24.7	24.9	24.1	23.4	-	18.3	18.4	17.4	16.8	-
357	Office and computing machines.....	368.6	371.3	403.3	405.6	-	168.4	169.2	181.6	182.3	-
3573	Electronic computing equipment.....	293.9	296.4	326.6	328.6	-	124.4	125.5	136.9	137.6	-
358	Refrigeration and service machinery.....	192.7	192.9	185.2	185.3	-	137.5	137.6	130.2	130.4	-
3585	Refrigeration and heating equipment.....	135.2	135.4	128.3	127.4	-	97.4	97.6	91.0	90.3	-
359	Misc. machinery, except electrical.....	275.5	276.5	284.9	284.5	-	214.2	214.8	220.1	219.8	-
3592	Carburetors, pistons, rings, valves.....	43.9	44.4	44.4	43.5	-	35.0	35.4	35.5	34.6	-
3599	Machinery, except electrical, nec.....	231.6	232.1	240.5	241.0	-	179.2	179.4	184.6	185.2	-
<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>											
36	Electric distributing equipment.....	2,071.0	2,082.6	2,144.5	2,139.2	2,139.5	1,362.1	1,369.9	1,392.4	1,385.5	1,385.3
361	Transformers.....	122.6	123.1	122.5	121.2	-	88.6	88.2	86.8	85.8	-
3612	Switchgear and switchboard apparatus.....	55.7	55.8	56.4	55.6	-	39.9	40.1	40.0	39.4	-
3613	Electrical industrial apparatus.....	66.9	67.3	66.1	65.6	-	48.7	48.1	46.8	46.4	-
362	Motors and generators.....	257.1	258.3	261.1	260.7	-	186.3	187.4	186.9	186.7	-
3621	Industrial controls.....	139.5	139.9	136.6	136.0	-	106.2	107.0	103.4	102.8	-
3622	Household appliances.....	69.0	70.0	73.3	73.2	-	44.8	45.4	46.6	46.6	-
363	Household refrigerators and freezers.....	177.1	176.5	173.3	172.7	-	138.9	138.6	136.8	137.1	-
3632	Household laundry equipment.....	42.4	42.3	37.8	37.5	-	33.8	33.8	30.7	30.5	-
3633	Electric housewares and fans.....	22.8	22.8	23.9	23.6	-	17.8	17.9	19.0	18.7	-
3634	Electric lighting and wiring equipment.....	50.1	49.7	50.2	49.2	-	39.3	38.9	40.1	39.5	-
364	Electric lamps.....	226.6	228.3	228.2	226.7	-	172.5	173.9	171.4	169.4	-
3641	Current-carrying wiring devices.....	38.1	38.3	38.8	37.7	-	33.9	34.0	34.4	33.3	-
3643	Noncurrent-carrying wiring devices.....	95.6	95.9	101.0	100.4	-	67.7	67.7	70.5	69.6	-
3644	Residential lighting fixtures.....	23.0	23.0	22.6	22.4	-	16.9	17.0	16.4	16.2	-
3645	Radio and TV receiving sets.....	27.5	28.1	26.3	26.5	-	21.3	22.0	20.5	20.5	-
365	Radio and TV receiving equipment.....	112.3	111.1	109.3	108.3	-	82.5	82.4	79.8	78.1	-
3651	Communication equipment.....	90.2	89.0	89.7	88.9	-	65.3	64.9	64.1	62.6	-
366	Telephone and telegraph apparatus.....	514.7	518.8	548.2	549.8	-	254.1	258.6	274.1	274.8	-
3661	Radio and TV communication equipment.....	152.9	155.8	166.5	167.3	-	106.1	109.0	116.9	117.6	-
3662	Electronic components and accessories.....	361.8	363.0	381.7	382.5	-	148.0	149.6	157.2	157.2	-
367	Electronic tubes.....	492.3	497.8	539.6	540.8	-	313.1	314.5	338.3	338.4	-
3671-3	Semiconductors and related devices.....	42.4	42.7	45.1	45.2	-	27.7	27.7	28.4	28.4	-
3674	Electronic components, nec.....	182.5	185.2	205.7	206.6	-	87.7	88.0	96.6	96.5	-
3679	Misc. electrical equipment and supplies.....	196.3	198.1	212.1	212.4	-	140.2	141.0	151.4	151.9	-
369	Storage batteries.....	168.3	168.7	162.3	159.0	-	126.1	126.3	118.3	115.2	-
3691	Engine electrical equipment.....	32.2	32.1	32.3	29.6	-	25.7	25.6	25.6	22.9	-
3694	Engine electrical equipment.....	79.2	79.0	68.8	68.1	-	62.3	62.1	51.9	51.5	-
<b>TRANSPORTATION EQUIPMENT</b>											
37	Motor vehicles and equipment.....	2,062.7	2,083.9	1,943.6	1,946.0	1,947.8	1,428.6	1,448.1	1,292.3	1,290.9	1,295.9
371	Motor vehicles and car bodies.....	1,013.7	1,032.1	845.7	844.3	-	791.5	808.9	627.3	624.8	-
3711	Truck and bus bodies.....	456.3	470.6	361.7	366.3	-	338.4	352.2	248.2	251.2	-
3713	Motor vehicle parts and accessories.....	49.8	49.6	44.6	44.9	-	40.2	39.9	35.1	35.3	-
3714	Truck trailers.....	473.0	477.2	407.9	402.9	-	385.4	389.2	320.0	315.5	-
3715	Aircraft and parts.....	34.6	34.7	31.5	30.2	-	27.5	27.6	24.0	22.8	-
372	Aircraft.....	581.8	587.6	640.8	643.2	-	315.4	319.4	354.1	355.1	-
3721	Aircraft engines and engine parts.....	324.1	327.6	354.6	356.0	-	160.3	162.1	180.2	180.1	-
3724	Aircraft equipment, nec.....	143.3	144.4	158.5	158.0	-	82.0	83.2	92.3	91.7	-
3728	Ship and boat building and repairing.....	114.4	115.6	127.7	129.2	-	73.1	74.1	81.6	83.3	-
373	Ship building and repairing.....	212.9	212.6	210.1	211.0	-	170.1	170.0	167.9	168.6	-
3731	Boat building and repairing.....	157.2	156.3	164.1	164.9	-	123.9	123.5	130.0	130.5	-
3732	Railroad equipment.....	55.7	56.3	46.0	46.1	-	46.2	46.5	37.9	38.1	-
374	Guided missiles, space vehicles, parts.....	68.9	69.6	72.2	71.1	-	53.1	53.8	56.3	54.9	-
376	Guided missiles, space vehicles, parts.....	96.5	96.4	102.9	103.4	-	30.9	30.6	33.0	33.4	-
3761	Guided missiles and space vehicles.....	76.9	76.5	80.9	81.4	-	22.6	22.2	24.1	24.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p
	<b>TRANSPORTATION EQUIPMENT—Continued</b>										
379	Miscellaneous transportation equipment .....	71.6	68.1	52.1	53.0	-	54.1	51.7	37.5	37.8	-
3792	Travel trailers and campers .....	50.6	46.5	30.1	30.8	-	39.9	37.0	23.3	23.6	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	680.2	683.2	698.9	700.6	704.6	420.0	420.3	421.5	422.8	428.6
381	Engineering and scientific instruments .....	69.4	70.1	76.1	76.4	-	35.6	35.8	37.9	38.0	-
382	Measuring and controlling devices .....	224.5	225.2	231.8	231.6	-	144.8	144.8	147.6	147.5	-
3822	Environmental controls .....	47.6	46.9	46.0	45.9	-	33.0	32.5	32.3	32.2	-
3823	Process control instruments .....	50.9	51.0	52.2	52.4	-	27.8	27.8	27.6	27.8	-
3825	Instruments to measure electricity .....	87.7	89.0	94.0	93.8	-	56.7	57.2	58.9	58.7	-
383	Optical instruments and lenses .....	29.7	30.0	33.2	33.4	-	16.5	16.6	18.4	18.5	-
384	Medical instruments and supplies .....	146.0	146.6	151.0	152.0	-	96.3	98.0	98.7	99.5	-
3841	Surgical and medical instruments .....	62.7	63.2	65.9	66.1	-	42.3	42.2	42.7	43.2	-
3842	Surgical appliances and supplies .....	65.5	65.4	67.9	68.7	-	43.9	43.7	44.9	45.2	-
385	Ophthalmic goods .....	44.5	44.8	45.9	46.0	-	32.7	32.9	33.2	33.3	-
386	Photographic equipment and supplies .....	135.9	136.9	135.9	135.5	-	68.9	69.2	67.0	66.6	-
387	Watches, clocks, and watchcases .....	30.2	29.6	25.0	25.7	-	23.2	23.0	18.7	19.4	-
39	<b>MISCELLANEOUS MANUFACTURING</b>										
	<b>INDUSTRIES</b>	444.8	449.0	435.9	437.2	442.2	336.4	340.4	328.5	331.2	336.2
391	Jewelry, silverware, and plated ware .....	61.2	60.7	57.5	55.8	-	44.8	44.1	41.4	40.1	-
3911	Jewelry, precious metal .....	39.6	39.1	36.5	35.1	-	28.3	27.7	26.2	25.0	-
393	Musical instruments .....	25.0	25.2	23.7	23.1	-	20.5	20.6	19.5	19.3	-
394	Toys and sporting goods .....	111.7	115.5	112.6	115.0	-	84.0	87.6	84.1	87.0	-
3942, 4	Dolls, games, toys, and children's vehicles .....	52.9	55.1	52.2	53.8	-	37.9	39.9	36.7	38.8	-
3949	Sporting and athletic goods, nec .....	58.8	60.4	60.4	61.2	-	46.1	47.7	47.4	48.2	-
395	Pens, pencils, office and art supplies .....	40.2	40.9	43.0	43.5	-	29.0	29.8	30.7	31.2	-
396	Costume jewelry and notions .....	62.7	63.1	56.8	56.8	-	50.3	51.0	45.2	45.0	-
3961	Costume jewelry .....	34.6	35.0	30.8	30.5	-	28.1	28.5	24.5	23.9	-
399	Miscellaneous manufactures .....	144.0	143.6	142.3	143.0	-	107.8	107.3	107.6	108.6	-
3993	Signs and advertising displays .....	49.1	48.7	49.6	48.7	-	35.4	35.1	36.1	35.2	-
	<b>NONDURABLE GOODS</b>										
20	<b>FOOD AND KINDRED PRODUCTS</b>	1,658.1	1,666.9	1,650.5	1,636.4	1,623.9	1,119.2	1,129.8	1,122.1	1,107.4	1,095.9
201	Meat products .....	353.4	352.7	359.1	358.8	-	291.1	291.2	298.0	297.4	-
2011	Meat packing plants .....	168.0	166.5	165.0	165.1	-	135.3	134.6	134.2	134.5	-
2013	Sausages and other prepared meats .....	69.3	69.4	68.5	68.4	-	50.7	50.8	50.2	50.1	-
2016	Poultry dressing plants .....	102.5	103.2	110.9	110.6	-	93.3	94.2	101.0	100.2	-
202	Dairy products .....	179.7	180.3	178.1	177.6	-	94.5	94.5	94.4	94.0	-
2022	Cheese, natural and processed .....	31.2	31.6	31.3	31.4	-	24.4	24.8	24.2	24.1	-
2026	Fluid milk .....	115.7	115.8	114.5	113.6	-	49.7	49.6	50.3	49.9	-
203	Preserved fruits and vegetables .....	215.0	219.8	198.6	196.3	-	170.6	175.8	158.2	156.4	-
2032	Canned specialties, nec .....	25.5	26.1	25.9	24.8	-	17.5	18.1	18.6	17.7	-
2033	Canned fruits and vegetables .....	68.1	67.4	63.8	63.4	-	53.1	52.5	50.8	50.4	-
2037	Frozen fruits and vegetables .....	48.2	52.4	41.5	41.7	-	41.0	45.5	35.3	35.6	-
204	Grain mill products .....	144.9	144.6	145.2	143.2	-	99.0	99.0	100.0	98.6	-
2041	Flour and other grain mill products .....	26.0	26.1	26.5	26.1	-	16.3	16.4	16.5	16.0	-
2048	Prepared feeds, nec .....	59.5	58.9	59.6	58.7	-	38.4	37.8	38.9	38.1	-
205	Bakery products .....	232.1	233.7	232.4	230.4	-	135.1	136.4	135.1	133.8	-
2051	Bread, cake, and related products .....	189.4	190.2	188.6	187.6	-	101.3	101.9	101.1	100.6	-
2052	Cookies and crackers .....	42.7	43.5	43.8	42.8	-	33.8	34.5	34.0	33.2	-
206	Sugar and confectionery products .....	108.7	107.0	108.3	105.3	-	82.3	80.8	82.6	79.7	-
2061-3	Cane and beet sugar .....	32.0	30.5	29.6	28.1	-	22.6	21.5	21.5	20.2	-
2065	Confectionery products .....	57.0	57.0	58.0	57.1	-	45.7	45.6	46.4	45.5	-
207	Fats and oils .....	40.7	40.5	40.3	39.7	-	29.7	29.5	29.8	29.0	-
208	Beverages .....	222.9	225.2	223.4	220.7	-	103.0	105.4	101.6	98.4	-
2082	Malt beverages .....	48.0	49.1	49.2	48.2	-	32.4	33.8	33.4	31.5	-
2086	Bottled and canned soft drinks .....	132.9	133.9	135.3	134.5	-	46.1	46.7	45.8	45.3	-
209	Misc. foods and kindred products .....	160.7	163.1	165.1	164.4	-	113.9	117.2	122.4	120.1	-
21	<b>TOBACCO MANUFACTURES</b>	66.4	64.4	65.1	63.3	60.6	52.8	50.9	51.2	49.4	46.8
211	Cigarettes .....	44.3	44.0	43.3	42.9	-	34.6	34.2	33.4	33.0	-
22	<b>TEXTILE MILL PRODUCTS</b>	896.4	894.4	887.4	887.7	889.9	779.8	778.3	775.2	775.4	776.5
221	Weaving mills, cotton .....	150.0	150.8	153.5	153.2	-	135.3	136.0	138.1	138.1	-
222	Weaving mills, synthetics .....	125.5	125.1	124.2	123.5	-	112.3	112.0	111.7	110.8	-
223	Weaving and finishing mills, wool .....	21.4	21.5	20.9	20.9	-	17.9	17.9	17.3	17.4	-
224	Narrow fabric mills .....	25.9	25.9	25.5	25.3	-	22.7	22.8	22.6	22.4	-
226	Knitting mills .....	229.9	230.8	227.6	231.7	-	197.4	198.7	197.8	202.0	-
2251	Women's hosiery, except socks .....	29.9	29.8	30.3	30.5	-	26.7	26.6	27.5	27.7	-
2252	Hosiery, nec .....	34.5	34.7	34.4	34.6	-	31.5	31.7	31.3	31.6	-
2253	Knit outerwear mills .....	72.9	73.5	72.9	76.4	-	61.6	62.5	62.1	65.7	-
2254	Knit underwear mills .....	34.1	34.3	32.9	33.0	-	29.4	29.5	28.7	28.6	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>					
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	
	<b>TEXTILE MILL PRODUCTS—Continued</b>											
2257	Circular knit fabric mills .....	33.7	33.6	32.7	33.0	-	27.6	27.5	27.8	28.2	-	
226	Textile finishing, except wool .....	79.2	78.7	77.3	76.9	-	66.7	66.4	65.4	64.9	-	
2261	Finishing plants, cotton .....	33.5	33.4	32.3	31.7	-	28.1	28.0	27.1	26.5	-	
2262	Finishing plants, synthetics .....	29.4	29.1	28.9	28.9	-	24.9	24.7	24.5	24.4	-	
227	Floor covering mills .....	62.6	62.3	59.0	58.4	-	51.1	50.8	48.3	47.5	-	
228	Yarn and thread mills .....	131.9	130.0	132.8	131.5	-	120.0	117.8	120.6	119.2	-	
2281	Yarn mills, except wool .....	89.1	87.4	90.3	89.4	-	82.3	80.5	83.6	82.6	-	
2282	Throwing and winding mills .....	21.9	21.5	21.1	21.0	-	19.5	19.1	18.5	18.3	-	
229	Miscellaneous textile goods .....	70.0	69.3	66.6	66.3	-	56.4	55.9	53.4	53.1	-	
		<b>1,320.6</b>	<b>1,326.6</b>	<b>1,284.4</b>	<b>1,306.8</b>	<b>1,317.3</b>	<b>1,131.3</b>	<b>1,134.6</b>	<b>1,093.9</b>	<b>1,114.7</b>	<b>1,124.7</b>	
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....											
231	Men's and boys' suits and coats .....	89.0	88.6	83.2	84.3	-	77.8	75.5	71.9	73.1	-	
232	Men's and boys' furnishings .....	362.7	363.7	368.3	373.0	-	312.3	313.4	315.5	319.7	-	
2321	Men's and boys' shirts and nightwear .....	105.9	104.9	104.1	104.9	-	92.1	91.4	90.6	91.2	-	
2327	Men's and boys' separate trousers .....	79.1	79.7	79.8	80.5	-	68.8	69.4	69.0	69.8	-	
2328	Men's and boys' work clothing .....	98.3	98.5	106.3	107.0	-	83.4	83.4	89.3	89.8	-	
233	Women's and misses' outerwear .....	446.6	450.8	425.3	436.9	-	384.1	388.0	363.8	374.5	-	
2331	Women's and misses' blouses and waists .....	62.4	62.6	57.7	59.3	-	55.0	54.9	50.1	51.4	-	
2335	Women's and misses' dresses .....	171.1	174.2	168.6	171.4	-	149.8	153.0	147.6	150.5	-	
2337	Women's and misses' suits and coats .....	64.4	65.8	55.5	58.4	-	55.0	56.5	47.5	49.8	-	
2339	Women's and misses' outerwear, nec. ....	148.7	148.2	143.5	147.8	-	124.3	123.6	118.6	122.8	-	
234	Women's and children's undergarments .....	89.6	89.5	88.0	88.7	-	76.0	76.0	74.7	75.1	-	
2341	Women's and children's underwear .....	70.5	70.5	69.4	69.9	-	60.8	60.8	60.0	60.3	-	
2342	Brassieres and allied garments .....	19.1	19.0	18.6	18.8	-	15.2	15.2	14.7	14.8	-	
236	Children's outerwear .....	67.7	67.5	65.1	66.9	-	58.6	58.3	55.8	57.3	-	
2361	Children's dresses and blouses .....	25.9	25.7	24.6	25.0	-	23.3	23.0	22.1	22.4	-	
238	Misc. apparel and accessories .....	57.1	58.1	53.1	54.7	-	49.1	49.8	45.5	47.0	-	
239	Misc. fabricated textile products .....	188.2	188.7	183.0	183.9	-	156.4	156.8	150.9	152.1	-	
2391	Curtains and draperies .....	29.4	29.3	30.7	30.6	-	25.7	25.5	26.3	26.1	-	
2392	House furnishings, nec. ....	49.6	50.1	52.3	51.4	-	41.0	41.6	43.9	43.1	-	
2396	Automotive and apparel trimmings .....	37.3	37.9	31.7	32.7	-	31.0	31.5	25.6	26.7	-	
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	<b>703.4</b>	<b>708.8</b>	<b>711.8</b>	<b>710.1</b>	<b>710.1</b>	<b>530.9</b>	<b>535.0</b>	<b>539.0</b>	<b>538.8</b>	<b>540.0</b>	
261, 2.6	Paper and pulp mills .....	194.3	197.8	199.9	198.8	-	145.2	148.3	150.4	149.4	-	
262	Paper mills, except building paper .....	166.3	168.9	170.3	169.5	-	123.3	125.5	126.6	125.8	-	
263	Paperboard mills .....	70.6	70.7	72.7	72.4	-	56.0	56.3	56.9	56.8	-	
264	Misc. converted paper products .....	222.6	224.6	223.2	224.3	-	162.6	163.5	165.3	167.0	-	
2641	Paper coating and glazing .....	58.1	58.5	60.7	60.1	-	35.8	35.2	39.7	39.5	-	
2642	Envelopes .....	24.6	24.7	24.8	25.2	-	19.3	19.4	19.6	20.0	-	
2643	Bags, except textile bags .....	51.8	52.1	53.0	52.7	-	40.4	40.6	41.4	41.2	-	
265	Paperboard containers and boxes .....	215.9	215.7	216.0	214.6	-	167.1	166.9	166.4	165.6	-	
2651	Folding paperboard boxes .....	46.4	46.6	46.1	46.4	-	37.0	37.1	36.5	36.8	-	
2653	Corrugated and solid fiber boxes .....	107.9	107.8	108.6	107.2	-	80.1	80.0	80.3	79.3	-	
2654	Sanitary food containers .....	28.2	28.5	28.4	28.5	-	23.5	23.8	23.4	23.6	-	
27	<b>PRINTING AND PUBLISHING</b> .....	<b>1,225.7</b>	<b>1,229.5</b>	<b>1,269.5</b>	<b>1,274.0</b>	<b>1,277.4</b>	<b>691.6</b>	<b>695.3</b>	<b>716.2</b>	<b>719.5</b>	<b>722.5</b>	
271	Newspapers .....	415.4	416.0	428.4	429.5	-	166.0	166.4	171.2	170.8	-	
272	Periodicals .....	81.4	81.5	85.5	84.4	-	14.2	14.0	13.8	14.3	-	
273	Books .....	102.8	103.5	106.3	106.3	-	53.1	54.5	55.4	55.6	-	
2731	Book publishing .....	73.6	74.0	75.8	76.2	-	28.3	29.4	29.6	30.2	-	
2732	Book printing .....	29.2	29.5	30.5	30.1	-	24.8	25.1	25.8	25.4	-	
274	Miscellaneous publishing .....	48.3	48.2	49.9	49.9	-	30.5	30.0	29.8	29.5	-	
275	Commercial printing .....	406.0	408.0	420.1	424.5	-	300.1	302.1	312.1	316.1	-	
2751	Commercial printing, letterpress .....	172.5	172.6	172.7	175.1	-	127.2	127.2	127.4	129.6	-	
2752	Commercial printing, lithographic .....	211.1	213.1	224.0	226.0	-	154.2	156.5	165.4	167.3	-	
276	Manifold business forms .....	47.1	47.2	50.0	50.0	-	33.5	33.7	35.7	35.6	-	
278	Blankbooks and bookbinding .....	62.3	62.5	65.6	65.9	-	51.5	51.7	54.5	54.4	-	
279	Printing trade services .....	40.5	40.7	41.4	41.5	-	29.5	29.7	30.8	30.7	-	
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	<b>1,099.7</b>	<b>1,103.9</b>	<b>1,113.9</b>	<b>1,114.3</b>	<b>1,117.1</b>	<b>631.5</b>	<b>633.9</b>	<b>637.6</b>	<b>635.6</b>	<b>643.6</b>	
281	Industrial inorganic chemicals .....	169.3	170.0	175.6	175.4	-	93.6	93.7	95.7	95.1	-	
2819	Industrial inorganic chemicals, nec. ....	110.0	110.5	113.6	113.4	-	60.4	60.7	63.0	62.6	-	
282	Plastics materials and synthetics .....	215.6	215.4	216.5	214.2	-	147.2	147.2	147.3	145.2	-	
2821	Plastics materials and resins .....	83.8	83.8	84.3	84.4	-	52.0	52.0	51.2	51.3	-	
2824	Organic fibers, noncellulosic .....	96.8	96.7	95.6	94.4	-	69.8	69.9	68.7	67.8	-	
283	Drugs .....	187.4	187.8	193.7	193.7	-	92.4	92.1	97.3	96.1	-	
2834	Pharmaceutical preparations .....	150.1	150.3	155.1	154.8	-	71.2	70.5	75.3	74.7	-	
284	Soap, cleaners, and toilet goods .....	136.1	137.2	135.5	136.0	-	82.2	83.1	81.6	82.7	-	
2841	Soap and other detergents .....	41.2	41.1	40.2	39.5	-	26.6	26.7	25.9	25.6	-	
2844	Toilet preparations .....	54.1	54.8	54.5	55.7	-	32.9	33.6	33.1	34.5	-	
2842, 3	Polishing, sanitation, and finishing preparations .....	40.8	41.3	40.8	40.8	-	22.7	22.8	22.6	22.6	-	
285	Paints and allied products .....	68.2	68.8	67.7	67.7	-	35.3	35.8	34.3	34.2	-	
286	Industrial organic chemicals .....	164.8	164.8	165.1	166.1	-	86.0	85.9	86.6	86.4	-	

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2865	Cyclic crudes and intermediates . . . . .	37.3	37.4	37.4	38.4	-	23.8	23.8	23.4	23.7	-
2861,9	Gum, wood, and industrial organic chemicals, nec. . . . .	127.5	127.4	127.7	127.7	-	62.2	62.1	63.2	62.7	-
287	Agricultural chemicals . . . . .	67.9	69.5	70.1	71.1	-	43.8	45.1	44.3	44.9	-
289	Miscellaneous chemical products . . . . .	90.4	90.4	89.7	90.1	-	51.0	51.0	50.5	51.0	-
29	<b>PETROLEUM AND COAL PRODUCTS . . . . .</b>	206.4	208.3	213.1	162.3	161.7	134.4	135.6	136.7	86.0	86.5
291	Petroleum refining . . . . .	163.7	164.7	171.5	119.5	-	103.6	104.1	106.8	54.8	-
295	Paving and roofing materials . . . . .	31.3	32.2	30.5	30.3	-	23.9	24.6	23.2	23.1	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS . . . . .</b>	773.8	774.4	742.2	737.4	738.4	608.9	608.8	577.8	572.5	575.2
301	Tires and inner tubes . . . . .	129.5	129.8	114.1	111.2	-	94.4	94.6	81.6	78.4	-
302	Rubber and plastics footwear . . . . .	24.3	24.0	22.5	22.5	-	21.4	20.9	19.7	19.8	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting . . . . .	23.7	23.7	22.1	21.7	-	17.9	17.9	15.7	15.3	-
306	Fabricated rubber products, nec . . . . .	117.4	116.7	109.5	108.3	-	92.6	92.3	85.3	84.2	-
307	Miscellaneous plastics products . . . . .	478.9	480.2	474.0	473.7	-	382.6	383.1	375.5	374.8	-
31	<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	245.1	245.7	236.1	237.8	238.1	209.3	209.8	199.3	200.6	202.1
311	Leather tanning and finishing . . . . .	20.9	20.9	19.0	19.2	-	17.6	17.7	15.8	16.0	-
314	Footwear, except rubber . . . . .	150.8	150.5	147.3	148.4	-	130.5	129.8	125.4	126.1	-
3143	Men's footwear, except athletic . . . . .	60.2	60.4	56.8	56.5	-	52.9	52.8	48.9	48.5	-
3144	Women's footwear, except athletic . . . . .	61.0	60.2	62.9	62.5	-	52.3	51.5	53.1	52.5	-
316	Luggage . . . . .	17.1	17.5	14.9	14.8	-	13.4	13.9	11.6	11.4	-
317	Handbags and personal leather goods . . . . .	31.6	32.2	31.0	32.0	-	26.7	27.4	26.3	27.4	-
	<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	5,028	5,060	5,149	5,124	5,140	4,204	4,232	4,293	4,271	4,292
40	<b>RAILROAD TRANSPORTATION . . . . .</b>	526.6	530.7	526.7	524.1	-	-	-	-	-	-
4011	Class I railroads <sup>2</sup> . . . . .	485.7	489.5	484.1	481.5	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT . . . . .</b>	268.9	269.4	272.9	272.1	-	248.2	248.5	251.3	251.0	-
411	Local and suburban transportation . . . . .	71.5	71.5	75.2	75.3	-	66.4	66.2	68.2	68.7	-
412	Taxis . . . . .	67.0	66.4	64.7	64.4	-	-	-	-	-	-
413	Intercity highway transportation . . . . .	34.0	34.1	37.6	36.9	-	31.1	31.2	34.7	34.0	-
415	School buses . . . . .	83.1	83.8	81.9	81.2	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING . . . . .</b>	1,332.9	1,351.2	1,335.2	1,323.4	-	1,179.4	1,196.8	1,171.4	1,158.5	-
421,3	Trucking and trucking terminals . . . . .	1,245.0	1,263.8	1,239.6	1,229.8	-	1,104.0	1,121.8	1,088.9	1,078.1	-
422	Public warehousing . . . . .	87.9	87.4	95.6	93.6	-	75.4	75.0	82.5	80.4	-
44	<b>WATER TRANSPORTATION . . . . .</b>	213.8	209.4	220.6	210.8	-	-	-	-	-	-
45	<b>TRANSPORTATION BY AIR . . . . .</b>	420.2	423.6	436.2	434.4	-	-	-	-	-	-
451,2	Air transportation . . . . .	375.8	378.9	389.4	387.3	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS . . . . .</b>	19.4	19.1	18.7	18.7	-	13.8	13.5	13.3	13.3	-
47	<b>TRANSPORTATION SERVICES . . . . .</b>	178.0	179.0	190.9	193.3	-	-	-	-	-	-
48	<b>COMMUNICATION . . . . .</b>	1,278.5	1,283.9	1,331.6	1,329.7	-	966.1	969.8	994.6	991.1	-
481	Telephone communication . . . . .	1,022.3	1,025.7	1,059.8	1,055.8	-	756.4	758.0	770.8	765.2	-
483	Radio and television broadcasting . . . . .	187.3	188.5	199.5	200.3	-	148.9	150.3	160.9	161.8	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	789.7	793.9	815.7	817.5	-	643.6	646.2	663.6	665.6	-
491	Electric services . . . . .	363.5	365.7	380.7	382.1	-	292.9	294.5	307.2	309.1	-
492	Gas production and distribution . . . . .	165.1	165.7	165.5	165.3	-	134.8	135.1	134.9	134.6	-
493	Combination utility services . . . . .	192.5	192.9	196.8	197.3	-	156.7	156.5	159.1	159.4	-
495	Sanitary services . . . . .	45.0	45.4	47.9	47.9	-	39.8	40.2	41.9	42.0	-
	<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	19,548	19,690	20,224	20,050	20,112	17,170	17,292	17,749	17,581	17,621
50,51	<b>WHOLESALE TRADE . . . . .</b>	5,067	5,098	5,211	5,212	5,226	4,160	4,188	4,271	4,269	4,279
50	<b>WHOLESALE TRADE - DURABLE GOODS . . . . .</b>	2,969	2,993	3,088	3,089	-	2,432	2,455	2,533	2,531	-
501	Motor vehicles and automotive equipment . . . . .	430.3	433.3	433.7	428.4	-	351.4	353.8	352.8	348.0	-
502	Furniture and home furnishing . . . . .	104.2	104.9	106.9	107.8	-	84.8	85.4	87.5	88.1	-
503	Lumber and construction materials . . . . .	178.2	180.3	184.6	184.6	-	147.8	149.3	153.2	152.7	-
504	Sporting goods, toys, and hobby goods . . . . .	64.9	62.9	65.3	64.4	-	53.6	51.9	53.9	52.9	-
505	Metals and minerals, except petroleum . . . . .	148.3	150.0	156.0	156.8	-	120.4	121.9	126.5	127.4	-
506	Electrical goods . . . . .	402.5	405.1	426.2	426.8	-	330.7	333.4	348.6	348.9	-
507	Hardware, plumbing, and heating equipment . . . . .	234.9	235.7	243.7	243.5	-	194.3	195.7	202.1	202.3	-

See footnotes at end of table.



# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sub>p</sub>	Mar. 1980 <sub>p</sub>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sub>p</sub>	Mar. 1980 <sub>p</sub>
	<b>WHOLESALE TRADE-DURABLE GOODS—</b>										
	Continued										
508	Machinery, equipment, and supplies .....	1,204.9	1,216.4	1,260.5	1,263.9	-	979.6	990.9	1,028.7	1,030.0	-
509	Miscellaneous durable goods .....	200.9	204.4	211.5	212.3	-	169.3	173.0	180.0	180.2	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	2,098	2,105	2,123	2,123	-	1,728	1,733	1,738	1,738	-
511	Paper and paper products .....	137.5	138.0	142.0	141.5	-	110.9	111.3	115.1	115.1	-
512	Drugs, proprietaries, and sundries .....	140.2	140.2	146.9	146.4	-	120.5	120.5	125.3	124.5	-
513	Apparel, piece goods, and notions .....	165.8	167.5	171.0	172.6	-	131.6	132.9	136.1	137.5	-
514	Groceries and related products .....	636.6	638.6	634.3	634.2	-	548.7	550.7	545.3	545.5	-
516	Chemicals and allied products .....	115.8	116.2	119.1	119.6	-	83.2	83.8	87.3	88.1	-
517	Petroleum and petroleum products .....	227.5	225.9	224.9	223.0	-	170.8	167.8	163.4	162.8	-
518	Beer, wine, and distilled beverages .....	133.6	134.3	138.8	138.5	-	113.0	113.7	117.4	116.3	-
519	Miscellaneous nondurable goods .....	392.8	398.0	404.2	408.2	-	325.6	329.2	330.8	334.5	-
52-59	<b>RETAIL TRADE</b> .....	14,481	14,592	15,013	14,838	14,886	13,010	13,104	13,478	13,312	13,342
52	<b>BUILDING MATERIALS AND GARDEN</b>										
	SUPPLIES .....	596.9	610.3	610.2	606.9	-	507.1	520.0	517.2	513.6	-
521	Lumber and other building materials .....	317.2	321.3	328.3	323.8	-	270.9	274.9	279.4	274.8	-
525	Hardware stores .....	142.1	143.0	149.5	148.3	-	122.0	122.7	128.8	127.3	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,211.5	2,189.6	2,326.4	2,200.1	-	2,058.5	2,036.6	2,167.7	2,041.8	-
531	Department stores .....	1,798.5	1,777.3	1,896.5	1,790.2	-	1,685.5	1,664.0	1,779.6	1,675.7	-
533	Variety stores .....	275.9	275.1	280.3	264.0	-	255.3	254.5	259.1	241.8	-
539	Misc. general merchandise stores .....	137.1	137.2	149.6	145.9	-	117.7	118.1	129.0	124.3	-
54	<b>FOOD STORES</b> .....	2,243.3	2,251.9	2,328.1	2,333.4	-	2,069.5	2,077.2	2,147.6	2,152.7	-
541	Grocery stores .....	1,966.0	1,976.2	2,056.0	2,055.1	-	1,816.2	1,825.6	1,899.3	1,897.9	-
542	Meat markets and freezer provisioners .....	53.0	53.5	52.6	52.7	-	-	-	-	-	-
546	Retail bakeries .....	122.5	125.1	124.4	125.4	-	112.9	115.2	113.7	115.5	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE</b>										
	STATIONS .....	1,863.7	1,866.2	1,771.3	1,754.2	-	1,596.7	1,597.2	1,503.4	1,486.2	-
551,2	New and used car dealers .....	905.7	910.2	858.3	851.6	-	755.2	758.4	708.2	701.4	-
553	Auto and home supply stores .....	251.9	252.9	258.1	252.0	-	219.4	220.9	224.1	218.1	-
554	Gasoline service stations .....	623.7	617.1	565.8	559.4	-	552.1	544.9	495.0	488.2	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	901.4	907.0	954.9	918.1	-	776.4	781.1	822.7	786.1	-
561	Men's and boys' clothing and furnishings .....	138.8	137.4	147.2	139.9	-	117.7	116.6	125.3	118.3	-
562	Women's ready-to-wear stores .....	343.6	350.1	361.3	347.0	-	299.4	304.7	314.7	300.2	-
565	Family clothing stores .....	163.6	164.7	185.1	176.8	-	143.2	144.0	162.8	154.3	-
566	Shoe stores .....	170.5	171.4	173.4	169.4	-	142.2	143.0	143.7	139.8	-
57	<b>FURNITURE AND HOME FURNISHINGS</b>										
	STORES .....	608.9	612.6	618.1	613.7	-	504.4	508.6	511.4	508.4	-
571	Furniture and home furnishings .....	363.2	365.8	368.3	365.8	-	305.1	307.1	307.8	305.8	-
572	Household appliance stores .....	89.5	90.0	89.5	88.2	-	76.1	76.8	76.8	75.7	-
573	Radio, television, and music stores .....	156.2	156.8	160.3	159.7	-	123.2	124.7	126.8	126.9	-
58	<b>EATING AND DRINKING PLACES</b> .....	4,208.2	4,316.3	4,487.8	4,505.4	-	3,865.5	3,962.5	4,122.1	4,145.3	-
59	<b>MISCELLANEOUS RETAIL</b> .....	1,847.5	1,838.2	1,916.1	1,906.5	-	1,632.0	1,620.3	1,686.2	1,678.2	-
591	Drug stores and proprietary stores .....	494.7	498.1	527.5	516.9	-	450.9	454.1	482.4	469.7	-
592	Liquor stores .....	128.4	126.9	141.4	138.8	-	-	-	-	-	-
594	Miscellaneous shopping goods stores .....	548.3	552.5	584.0	581.4	-	470.9	473.8	498.5	497.4	-
596	Nonstore retailers .....	268.0	264.4	260.6	255.4	-	252.4	248.3	245.7	240.1	-
598	Fuel and ice dealers .....	110.1	106.8	107.6	106.8	-	94.5	91.3	91.1	90.0	-
599	Retail stores, nec. ....	245.2	235.9	238.2	251.1	-	209.2	199.4	199.5	214.5	-
	<b>FINANCE, INSURANCE, AND REAL</b>										
	ESTATE <sup>3</sup> .....	4,845	4,870	5,040	5,044	5,060	3,679	3,703	3,802	3,812	3,820
60	<b>BANKING</b> .....	1,463.2	1,468.0	1,521.5	1,521.7	-	1,135.9	1,138.8	1,174.1	1,173.4	-
602	Commercial and stock savings banks .....	1,335.2	1,339.6	1,388.2	1,387.9	-	1,031.5	1,034.3	1,065.6	1,064.8	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	535.9	539.6	558.7	561.4	-	411.4	414.5	427.3	428.5	-
612	Savings and loan associations .....	230.2	231.8	244.9	245.0	-	178.3	179.6	188.6	187.7	-
614	Personal credit institutions .....	205.6	207.6	213.2	215.9	-	156.9	158.7	163.2	164.9	-
62	<b>SECURITY, COMMODITY BROKERS, AND</b>										
	SERVICES .....	199.4	200.3	213.5	210.2	-	-	-	-	-	-
621	Security brokers and dealers .....	160.8	161.3	170.7	166.2	-	-	-	-	-	-
63	<b>INSURANCE CARRIERS</b> .....	1,200.0	1,204.4	1,228.9	1,230.6	-	837.5	845.9	853.7	860.2	-
631	Life insurance .....	521.4	522.3	528.1	528.9	-	311.8	312.9	314.8	316.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sub>p</sub>	Mar. 1980 <sub>p</sub>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sub>p</sub>	Mar. 1980 <sub>p</sub>
	<b>INSURANCE CARRIERS—Continued</b>										
632	Medical service and health insurance .....	137.9	138.1	139.3	139.5	-	111.0	111.0	111.9	112.0	-
633	Fire, marine, and casualty insurance .....	466.9	470.0	487.6	489.6	-	354.0	361.2	367.8	373.4	-
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	423.2	424.8	444.8	443.2	-	-	-	-	-	-
65	<b>REAL ESTATE</b> .....	891.1	900.5	934.2	937.9	-	-	-	-	-	-
651	Real estate operators and lessors .....	417.2	422.6	442.1	445.6	-	-	-	-	-	-
653	Real estate agents and managers .....	331.6	334.8	345.0	346.5	-	-	-	-	-	-
655	Subdividers and developers .....	118.5	119.3	122.8	122.2	-	-	-	-	-	-
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	27.2	27.2	26.9	27.0	-	-	-	-	-	-
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	104.9	105.1	111.1	112.3	-	-	-	-	-	-
	<b>SERVICES</b> .....	16,545	16,749	17,111	17,277	17,456	14,679	14,871	15,188	15,363	15,532
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	927.8	955.8	973.3	978.0	-	-	-	-	-	-
701	Hotels, motels, and tourist courts .....	893.7	921.9	936.0	938.7	-	823.9	851.2	857.5	861.8	-
72	<b>PERSONAL SERVICES</b> .....	908.4	914.1	905.1	910.4	-	-	-	-	-	-
721	Laundry, cleaning, and garment services .....	352.9	354.8	350.5	346.0	-	313.5	315.8	312.4	308.4	-
723	Beauty shops .....	278.5	282.7	269.8	266.2	-	256.7	261.2	249.9	246.3	-
726	Funeral service and crematories .....	70.5	71.2	72.9	72.5	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	2,713.1	2,747.4	2,895.3	2,891.0	-	2,354.1	2,384.4	2,524.1	2,523.8	-
731	Advertising .....	144.5	145.5	151.6	151.9	-	106.9	107.4	113.8	114.9	-
732	Credit reporting and collection .....	75.9	76.2	72.0	71.8	-	-	-	-	-	-
733	Mailing, reproduction, stenographic .....	102.8	105.3	107.0	107.1	-	-	-	-	-	-
734	Services to buildings .....	452.6	461.1	497.6	491.2	-	406.2	414.0	451.1	445.1	-
736	Personnel supply services .....	450.7	466.3	485.5	486.8	-	-	-	-	-	-
737	Computer and data processing services .....	246.0	248.8	271.5	274.9	-	202.1	204.8	225.2	228.9	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	565.7	576.2	568.7	564.8	-	485.4	495.6	486.5	483.1	-
753	Automotive repair shops .....	351.4	356.7	352.9	346.1	-	299.8	305.3	300.2	293.8	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	269.3	272.3	289.6	289.5	-	230.7	232.9	249.6	248.9	-
78	<b>MOTION PICTURES</b> .....	204.1	207.8	205.3	198.7	-	181.0	185.2	180.5	174.5	-
781	Motion picture production and services .....	81.1	81.2	82.4	79.2	-	70.4	71.0	69.7	66.8	-
783	Motion picture theaters .....	111.7	115.4	112.3	108.9	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	651.5	686.4	635.5	650.6	-	583.4	617.9	567.0	585.8	-
80	<b>HEALTH SERVICES</b> .....	4,939.8	4,961.0	5,178.7	5,201.4	-	4,398.1	4,416.0	4,617.0	4,639.5	-
801	Offices of physicians .....	697.4	700.4	734.1	735.3	-	571.9	572.9	599.4	598.3	-
802	Offices of dentists .....	307.6	310.6	329.9	329.0	-	268.2	270.9	285.3	285.9	-
805	Nursing and personal care facilities .....	949.7	955.4	1,019.4	1,021.1	-	855.4	861.1	918.9	920.7	-
806	Hospitals .....	2,609.9	2,617.3	2,701.0	2,715.3	-	2,383.8	2,390.1	2,473.6	2,488.8	-
81	<b>LEGAL SERVICES</b> .....	449.0	450.9	472.5	474.8	-	386.2	386.9	404.1	406.8	-
82	<b>EDUCATIONAL SERVICES</b> .....	1,110.3	1,116.8	1,060.2	1,137.7	-	-	-	-	-	-
821	Elementary and secondary schools .....	235.9	235.7	246.7	248.1	-	-	-	-	-	-
822	Colleges and universities .....	760.2	765.3	695.1	769.0	-	-	-	-	-	-
83	<b>SOCIAL SERVICES</b> .....	1,016.0	1,031.9	1,038.5	1,052.1	-	-	-	-	-	-
86	<b>MEMBERSHIP ORGANIZATIONS</b> .....	1,551.6	1,563.7	1,589.0	1,614.7	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	911.5	920.9	975.1	985.9	-	757.7	765.9	809.7	821.4	-
891	Engineering and architectural services .....	482.3	487.9	529.1	529.8	-	406.2	411.6	448.1	448.6	-
893	Accounting, auditing, and bookkeeping .....	298.6	301.6	306.9	314.7	-	242.7	244.9	246.3	255.2	-
	<b>GOVERNMENT</b> .....	15,718	15,799	15,730	15,969	16,047	-	-	-	-	-
	<b>FEDERAL GOVERNMENT</b> .....	2,738	2,740	2,763	2,803	2,805	-	-	-	-	-
	Executive .....	2,686.3	2,688.3	2,709.1	2,749.5	-	-	-	-	-	-
	Department of Defense .....	895.0	892.0	885.1	885.4	-	-	-	-	-	-
	Postal Service .....	655.2	655.4	655.9	656.7	-	-	-	-	-	-
	Other executive agencies .....	1,136.1	1,140.9	1,168.1	1,207.4	-	-	-	-	-	-
	Manufacturing activities .....	122.5	122.0	121.6	121.5	-	-	-	-	-	-
	Shipbuilding .....	71.3	71.2	71.8	71.7	-	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
	Executive—Continued										
	Transportation and public utilities, except Postal Service .....	50.1	51.2	50.8	51.2	-	-	-	-	-	-
	Services .....	377.1	378.0	378.5	378.1	-	-	-	-	-	-
	Hospitals .....	222.1	221.7	228.9	232.5	-	-	-	-	-	-
	Legislative .....	38.5	38.9	39.5	39.5	-	-	-	-	-	-
	Judicial .....	13.0	13.1	14.1	14.1	-	-	-	-	-	-
	<b>STATE AND LOCAL GOVERNMENT .....</b>	<b>12,980</b>	<b>13,059</b>	<b>12,967</b>	<b>13,166</b>	<b>13,242</b>					
	State government .....	3,494.1	3,514.1	3,449.0	3,543.2	-	-	-	-	-	-
	Hospitals .....	562.2	563.0	565.9	565.8	-	-	-	-	-	-
	State education .....	1,458.3	1,470.6	1,382.6	1,476.2	-	-	-	-	-	-
	General administration including executive, legislative, and judicial functions .....	898.7	903.3	906.7	908.4	-	-	-	-	-	-
	Local government .....	9,485.7	9,544.5	9,518.2	9,622.6	-	-	-	-	-	-
	Transportation and public utilities .....	577.0	579.0	594.9	594.7	-	-	-	-	-	-
	Hospitals .....	521.0	522.0	535.7	538.5	-	-	-	-	-	-
	Local education .....	5,346.4	5,384.3	5,321.7	5,419.0	-	-	-	-	-	-
	General administration including executive, legislative, and judicial functions .....	2,701.8	2,717.9	2,724.2	2,727.5	-	-	-	-	-	-

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

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

<sup>3</sup> Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

\* Not available.  
p = preliminary.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. 1980
	<b>TOTAL</b> .....	36,759	36,041	38,026	38,252	37,552
	<b>PRIVATE SECTOR</b> .....	29,380	28,744	30,350	30,580	29,965
	<b>MINING</b> .....	82	83	95	96	96
10	<b>METAL MINING</b> .....	7.2	7.3	8.4	8.5	8.5
11, 12	<b>COAL MINING</b> .....	8.7	8.8	9.7	9.6	10.0
13	<b>OIL AND GAS EXTRACTION</b> .....	58.2	58.7	67.9	68.2	68.3
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	37.4	37.8	43.6	44.1	44.2
138	Oil and gas field services.....	20.8	20.9	24.3	24.1	24.1
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	8.3	8.1	9.4	9.4	9.2
142	Crushed and broken stone.....	2.5	2.4	2.7	2.7	2.6
144	Sand and gravel.....	2.6	2.5	3.2	3.1	3.0
	<b>CONSTRUCTION</b> .....	343	344	390	388	386
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	124.9	126.5	140.9	140.9	137.6
152	Residential building construction.....	74.7	75.8	84.2	84.4	82.0
153	Operative builders.....	16.7	16.7	17.9	17.4	16.8
154	Nonresidential building construction.....	33.5	34.0	38.8	39.1	38.8
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	49.0	46.6	56.5	53.2	51.6
161	Highway and street construction.....	13.0	12.0	17.9	15.9	14.8
162	Heavy construction, except highway.....	36.0	34.6	38.6	37.3	36.8
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	169.5	170.7	192.3	193.9	196.8
171	Plumbing, heating, air conditioning.....	45.3	45.5	50.9	51.0	51.5
172	Painting, paper hanging, decorating.....	11.2	11.2	12.8	12.8	12.9
173	Electrical work.....	29.8	29.8	33.1	33.6	34.0
174	Masonry, stonework, and plastering.....	19.5	20.4	22.7	23.5	24.6
175	Carpentering and flooring.....	15.0	14.3	16.8	16.5	16.3
176	Roofing and sheet metal work.....	11.4	11.8	13.7	14.1	14.3
	<b>MANUFACTURING</b> .....	6,397	6,336	6,545	6,498	6,435
24, 25, 32-39	<b>DURABLE GOODS</b> .....	3,021	3,005	3,133	3,125	3,101
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3,376	3,331	3,412	3,373	3,334
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	110.8	109.2	113.5	111.0	107.9
241	Logging camps and logging contractors.....	4.7	4.8	5.2	5.2	5.0
242	Sawmills and planing mills.....	21.7	21.6	22.2	22.1	21.9
2421	Sawmills and planing mills, general.....	14.9	14.6	15.2	15.2	15.2
243	Millwork, plywood, and structural members.....	45.7	44.8	46.1	45.2	43.7
244	Wooden containers.....	7.0	7.1	7.1	7.0	6.6
245	Wood buildings and mobile homes.....	10.7	10.2	10.9	9.9	9.5
249	Miscellaneous wood products.....	21.0	20.7	22.0	21.6	21.2
25	<b>FURNITURE AND FIXTURES</b> .....	148.0	147.1	145.7	146.1	144.7
251	Household furniture.....	110.6	110.2	108.1	108.1	106.9
2511	Wood household furniture.....	45.5	45.4	45.6	45.6	45.3
2512	Upholstered household furniture.....	37.4	37.2	36.3	36.3	35.4
2515	Mattresses and bedsprings.....	8.6	8.6	8.8	8.8	8.5
252	Office furniture.....	11.2	11.1	11.4	11.5	11.6
253	Public building and related furniture.....	5.3	5.2	5.3	5.4	5.2
254	Partitions and fixtures.....	10.4	10.1	11.0	11.0	10.8
259	Miscellaneous furniture and fixtures.....	10.5	10.5	9.9	10.1	10.2
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	131.5	128.9	135.7	135.0	132.8
322	Glass and glassware, pressed or blown.....	45.0	44.0	44.4	44.2	43.4
3221	Glass containers.....	25.4	24.6	24.4	24.1	23.9
3229	Pressed and blown glass, nec.....	19.6	19.4	20.0	20.1	19.5
323	Products of purchased glass.....	12.6	12.6	14.8	14.8	14.6
324	Cement, hydraulic.....	1.6	1.6	1.8	1.7	1.7
325	Structural clay products.....	6.5	6.4	6.7	6.8	6.6
326	Pottery and related products.....	16.6	16.0	17.0	16.4	16.0
327	Concrete, gypsum, and plaster products.....	14.8	14.5	15.8	15.8	15.5
329	Misc. nonmetallic mineral products.....	31.6	31.2	32.4	32.6	32.4
33	<b>PRIMARY METAL INDUSTRIES</b> .....	129.3	130.1	133.0	132.4	131.0
331	Blast furnace and basic steel products.....	40.3	40.8	42.5	41.9	41.6
3312	Blast furnaces and steel mills.....	31.1	31.6	32.7	32.2	31.8
332	Iron and steel foundries.....	20.8	21.1	19.8	19.1	19.5

# ESTABLISHMENT DATA WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. 1980
<b>PRIMARY METAL INDUSTRIES—Continued</b>						
3321	Gray iron foundries .....	10.4	10.5	8.9	8.3	8.6
3322	Malleable iron foundries .....	1.7	1.7	1.4	1.3	1.3
3325	Steel foundries, nec .....	4.5	4.6	4.9	4.9	5.0
333	Primary nonferrous metals .....	4.5	4.5	4.9	5.0	4.9
3334	Primary aluminum .....	1.7	1.7	2.0	2.1	2.0
335	Nonferrous rolling and drawing .....	42.4	42.4	43.8	44.1	42.8
3351	Copper rolling and drawing .....	3.7	3.7	3.7	3.6	3.5
3353	Aluminum sheet, plate, and foil .....	4.3	4.3	4.4	4.3	4.2
3357	Nonferrous wire drawing and insulating .....	25.1	25.2	26.3	26.8	26.0
336	Nonferrous foundries .....	16.5	16.4	16.6	16.8	16.6
3361	Aluminum foundries .....	7.9	7.9	8.4	8.5	8.5
34	<b>FABRICATED METAL PRODUCTS</b> .....	<b>356.3</b>	<b>354.4</b>	<b>367.3</b>	<b>365.3</b>	<b>362.1</b>
341	Metal cans and shipping containers .....	12.8	13.1	13.5	13.6	13.5
3411	Metal cans .....	11.1	11.4	11.6	11.6	11.6
342	Cutlery, hand tools, and hardware .....	63.4	62.6	63.1	62.4	62.0
3423, 5	Hand and edge tools, and hand saws and blades .....	17.4	17.2	17.9	18.0	18.0
3429	Hardware, nec .....	38.6	38.1	37.8	36.9	36.7
343	Plumbing and heating, except electric .....	18.9	19.2	19.8	20.0	19.5
344	Fabricated structural metal products .....	71.7	70.5	76.2	75.6	74.9
3441	Fabricated structural metal .....	7.3	7.3	8.1	8.2	8.2
3442	Metal doors, sash, and trim .....	23.7	22.4	24.5	23.6	22.8
3443	Fabricated plate work (boiler shops) .....	15.8	15.9	17.1	17.5	17.6
3444	Sheet metal work .....	14.9	14.8	16.3	16.0	15.9
345	Screw machine products, bolts, etc. ....	24.9	25.0	27.5	27.5	27.5
3451	Screw machine products .....	12.8	12.9	14.2	14.3	14.4
3452	Bolts, nuts, rivets, and washers .....	12.1	12.1	13.3	13.2	13.1
346	Metal forgings and stampings .....	60.0	59.9	58.5	57.7	56.0
3462	Iron and steel forgings .....	4.3	4.4	4.6	4.6	4.4
3465	Automotive stampings .....	16.1	15.5	13.6	12.8	11.2
3469	Metal stampings, nec .....	37.4	37.8	38.2	38.1	38.2
347	Metal services, nec .....	26.5	26.3	26.9	26.8	26.6
3471	Plating and polishing .....	18.6	18.2	18.5	18.3	18.1
3479	Metal coating and allied services .....	7.9	8.1	8.4	8.5	8.5
348	Ordnance and accessories, nec .....	16.9	16.9	17.1	17.1	17.2
349	Misc. fabricated metal products .....	61.2	60.9	64.7	64.6	64.9
3494	Valves and pipe fittings .....	22.1	22.5	24.0	23.9	24.3
3496	Misc. fabricated wire products .....	14.0	14.0	15.1	15.1	15.2
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	<b>455.3</b>	<b>457.4</b>	<b>484.3</b>	<b>487.6</b>	<b>498.4</b>
351	Engines and turbines .....	25.2	25.1	24.4	24.6	26.3
3511	Turbines and turbine generator sets .....	5.9	5.9	5.9	5.8	5.8
3519	Internal combustion engines, nec .....	19.3	19.2	18.5	18.8	20.5
352	Farm and garden machinery .....	25.5	25.6	26.4	27.0	27.2
3523	Farm machinery and equipment .....	19.2	19.5	20.7	21.1	21.0
353	Construction and related machinery .....	42.4	42.8	44.1	44.6	51.1
3531	Construction machinery .....	13.9	13.9	11.1	11.4	17.2
3533	Oil field machinery .....	10.0	10.3	12.3	12.5	12.8
354	Metalworking machinery .....	54.7	55.6	60.1	60.2	60.6
3541	Machine tools, metal cutting types .....	9.1	9.2	10.5	10.6	10.6
3544	Special dies, tools, jigs, and fixtures .....	15.1	15.6	15.3	15.0	15.0
3545	Machine tool accessories .....	13.4	13.5	14.9	15.0	15.2
355	Special industry machinery .....	30.5	30.2	32.0	32.1	32.2
3551	Food products machinery .....	6.3	6.3	6.8	6.8	6.9
3552	Textile machinery .....	5.1	5.1	5.5	5.5	5.5
3555	Printing trades machinery .....	7.5	7.3	7.4	7.4	7.4
356	General industrial machinery .....	60.6	61.1	64.1	64.1	64.5
3561	Pumps and pumping equipment .....	11.0	10.9	11.2	11.2	10.9
3562	Ball and roller bearings .....	14.0	14.1	14.7	14.7	14.7
357	Office and computing machines .....	129.3	129.5	145.1	147.0	147.0
3573	Electronic computing equipment .....	101.0	101.7	117.2	118.8	119.2
358	Refrigeration and service machinery .....	38.8	39.1	39.1	39.0	40.1
3585	Refrigeration and heating equipment .....	25.4	26.4	26.1	26.0	27.2
359	Misc. machinery, except electrical .....	48.3	48.4	49.0	49.0	49.4
3599	Machinery, except electrical, nec .....	36.6	36.8	37.5	37.5	38.0
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	<b>868.6</b>	<b>865.7</b>	<b>917.7</b>	<b>923.7</b>	<b>914.8</b>
361	Electric distributing equipment .....	43.7	43.9	45.7	46.0	45.2
3612	Transformers .....	19.5	19.2	20.3	20.3	20.4
3613	Switchgear and switchboard apparatus .....	24.2	24.7	25.4	25.7	24.8
362	Electrical industrial apparatus .....	97.5	98.1	98.6	98.5	99.0
3621	Motors and generators .....	54.8	55.6	54.2	54.1	54.8
3622	Industrial controls .....	29.4	29.3	29.9	30.0	30.0
363	Household appliances .....	58.8	56.6	63.0	62.9	60.8
3632	Household refrigerators and freezers .....	8.9	9.4	10.6	10.8	10.7
3633	Household laundry equipment .....	4.4	4.1	5.0	5.2	5.1
3634	Electric housewares and fans .....	27.7	25.5	28.4	28.3	26.3
364	Electric lighting and wiring equipment .....	104.8	105.2	106.6	107.9	106.0
3641	Electric lamps .....	24.6	25.2	24.1	24.8	24.1

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. 1980
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices .....	47.2	47.1	50.0	50.8	50.2
365	Radio and TV receiving equipment .....	63.3	59.6	60.3	60.0	57.7
3651	Radio and TV receiving sets .....	48.1	47.0	47.9	47.5	46.1
366	Communication equipment .....	186.9	187.0	205.2	206.9	207.2
3661	Telephone and telegraph apparatus .....	74.1	73.1	81.0	81.9	81.7
3662	Radio and TV communication equipment .....	112.8	113.9	124.2	125.0	125.5
367	Electronic components and accessories .....	255.1	256.8	282.5	284.7	283.4
3671-3	Electronic tubes .....	16.0	16.0	17.1	17.2	17.2
3674	Semiconductors and related devices .....	86.7	86.7	97.3	98.6	98.9
3679	Electronic components, nec .....	104.8	105.9	115.5	115.6	114.2
369	Misc. electrical equipment and supplies .....	58.5	58.5	55.8	56.8	55.5
3694	Engine electrical equipment .....	28.5	28.3	23.3	23.7	22.8
<b>TRANSPORTATION EQUIPMENT</b> .....						
37		319.4	318.4	316.1	315.8	307.4
371	Motor vehicles and equipment .....	149.2	146.3	130.5	130.3	120.2
3711	Motor vehicles and car bodies .....	58.0	55.6	50.1	52.6	43.6
3713	Truck and bus bodies .....	5.4	5.5	5.4	5.3	5.9
3714	Motor vehicle parts and accessories .....	83.5	82.8	72.6	70.0	68.8
372	Aircraft and parts .....	100.9	103.6	117.1	117.6	118.3
3721	Aircraft .....	58.1	60.3	66.7	66.6	66.7
3724	Aircraft engines and engine parts .....	22.3	22.6	26.6	26.8	27.1
3728	Aircraft equipment, nec .....	20.5	20.7	23.8	24.2	24.5
373	Ship and boat building and repairing .....	23.7	23.6	23.0	22.4	22.1
3731	Ship building and repairing .....	14.7	14.4	15.8	15.5	15.3
374	Railroad equipment .....	5.9	5.5	6.7	6.7	6.7
376	Guided missiles, space vehicles, parts .....	19.2	19.1	21.5	21.9	22.2
3761	Guided missiles and space vehicles .....	15.9	15.9	17.8	18.2	18.3
379	Miscellaneous transportation equipment .....	14.9	14.3	10.3	10.3	10.7
<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....						
38		287.8	288.0	297.2	297.4	297.3
381	Engineering and scientific instruments .....	21.0	21.2	23.3	23.6	23.6
382	Measuring and controlling devices .....	94.6	95.8	100.1	100.7	100.3
3822	Environmental controls .....	22.9	23.3	23.5	23.5	23.2
3823	Process control instruments .....	16.6	16.6	17.1	17.3	17.3
3825	Instruments to measure electricity .....	39.8	40.5	43.2	43.1	43.2
383	Optical instruments and lenses .....	10.0	9.9	11.7	11.7	11.7
384	Medical instruments and supplies .....	78.9	78.6	80.5	80.4	81.3
3841	Surgical and medical instruments .....	36.2	36.4	37.0	36.9	37.6
3842	Surgical appliances and supplies .....	34.0	34.0	35.4	35.6	35.8
385	Ophthalmic goods .....	25.6	25.3	26.4	26.6	26.9
386	Photographic equipment and supplies .....	38.3	38.2	38.3	38.1	38.0
387	Watches, clocks, and watchcases .....	19.4	19.0	16.9	16.3	15.5
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....						
39		213.9	205.5	222.7	211.1	204.5
391	Jewelry, silverware, and plated ware .....	30.7	29.8	30.2	29.0	27.3
393	Musical instruments .....	11.9	12.0	10.7	10.6	10.3
394	Toys and sporting goods .....	59.2	54.8	69.9	61.1	59.4
3942, 4	Dolls, games, toys, and children's vehicles .....	30.3	26.6	38.5	30.8	29.1
3949	Sporting and athletic goods, nec .....	28.9	28.2	31.4	30.3	30.3
395	Pens, pencils, office and art supplies .....	21.7	21.8	23.7	24.0	23.8
396	Costume jewelry and notions .....	39.3	36.7	35.8	34.9	33.4
399	Miscellaneous manufactures .....	51.1	50.4	52.4	51.5	50.3
<b>NONDURABLE GOODS</b>						
<b>FOOD AND KINDRED PRODUCTS</b> .....						
20		498.1	479.2	513.5	496.0	474.5
201	Meat products .....	112.2	109.8	120.5	118.3	115.8
2011	Meat packing plants .....	27.7	27.5	30.0	29.8	29.8
2013	Sausages and other prepared meats .....	21.5	20.8	21.3	20.8	20.4
2016	Poultry dressing plants .....	56.2	54.4	61.8	60.5	58.1
202	Dairy products .....	37.0	36.1	37.5	37.1	36.2
2026	Fluid milk .....	19.1	19.0	19.2	19.0	19.0
203	Preserved fruits and vegetables .....	98.5	88.4	100.4	88.8	79.9
2032	Canned specialties .....	9.9	9.4	8.8	9.1	9.3
2033	Canned fruits and vegetables .....	27.6	23.2	33.5	25.5	22.5
2037	Frozen fruits and vegetables .....	26.0	22.7	25.2	22.6	18.2
204	Grain mill products .....	28.8	28.5	28.9	29.0	28.7
205	Bakery products .....	62.5	62.2	62.4	62.1	61.3
2051	Bread, cake, and related products .....	42.5	41.8	41.9	41.7	40.7
2052	Cookies and crackers .....	20.0	20.4	20.5	20.4	20.6
206	Sugar and confectionery products .....	45.9	43.0	48.5	46.6	43.1
207	Fats and oils .....	5.3	5.2	5.4	5.4	5.4
208	Beverages .....	35.9	35.5	38.6	38.4	36.4
2082	Malt beverages .....	5.8	5.9	6.5	6.5	6.5
2086	Bottled and canned soft drinks .....	16.7	16.6	17.6	17.6	17.3
209	Misc. foods and kindred products .....	72.0	70.5	71.3	70.3	67.7
<b>TOBACCO MANUFACTURES</b> .....						
21		28.4	26.0	24.0	24.2	23.5
211	Cigarettes .....	13.8	13.9	13.6	13.5	13.5

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. 1980
22	<b>TEXTILE MILL PRODUCTS</b>	424.6	421.2	427.2	425.8	420.8
221	Weaving mills, cotton	64.5	64.7	66.7	67.1	67.2
222	Weaving mills, synthetics	51.1	51.2	52.0	51.7	51.3
223	Weaving and finishing mills, wool	8.2	8.3	8.4	8.4	8.3
224	Narrow fabric mills	15.5	15.4	15.1	15.0	15.1
225	Knitting mills	150.3	147.7	150.4	149.6	146.4
2251	Women's hosiery, except socks	23.5	23.2	24.0	24.0	23.9
2252	Hosiery, nec	25.3	25.2	25.0	24.9	24.7
2253	Knit outerwear mills	53.6	51.3	53.7	52.9	50.1
2254	Knit underwear mills	24.9	25.5	25.4	25.4	25.2
2257	Circular knit fabric mills	13.3	12.9	12.7	12.9	12.9
226	Textile finishing, except wool	23.1	23.1	23.3	23.2	23.0
2261	Finishing plants, cotton	10.2	10.3	10.2	10.2	10.0
2262	Finishing plants, synthetic	6.1	6.2	6.3	6.4	6.3
227	Floor covering mills	25.5	25.1	25.0	24.4	23.9
228	Yarn and thread mills	65.3	64.6	65.6	65.4	65.0
2281	Yarn mills, except wool	41.3	41.0	42.1	42.1	41.8
2282	Throwing and winding mills	12.7	12.5	12.3	12.1	12.0
229	Miscellaneous textile goods	21.1	21.1	20.7	21.0	20.6
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	1,076.9	1,065.7	1,060.5	1,047.7	1,043.0
231	Men's and boys' suits and coats	70.1	68.4	64.8	64.7	64.3
232	Men's and boys' furnishings	305.4	301.7	311.4	310.6	310.6
2321	Men's and boys' shirts and nightwear	93.1	92.1	92.6	91.5	90.8
2327	Men's and boys' separate trousers	65.1	64.4	66.3	66.2	66.2
2328	Men's and boys' work clothing	81.4	80.2	87.4	88.2	89.4
233	Women's and misses' outerwear	378.8	381.2	370.0	362.1	364.3
2331	Women's and misses' blouses and waists	54.9	55.1	52.1	50.4	50.7
2335	Women's and misses' dresses	146.8	148.1	145.8	144.2	147.6
2337	Women's and misses' suits and coats	51.4	51.8	49.6	46.5	44.9
2339	Women's and misses' outerwear, nec	125.7	126.2	122.5	121.0	121.1
234	Women's and children's undergarments	78.9	77.5	78.9	77.3	76.5
2341	Women's and children's underwear	62.7	61.6	63.1	61.4	61.0
2342	Brasiers and allied garments	16.2	15.9	15.8	15.9	15.5
236	Children's outerwear	58.5	56.6	55.9	55.1	56.1
2361	Children's dresses and blouses	23.6	23.1	21.9	21.6	21.8
238	Misc. apparel and accessories	45.5	43.5	43.4	42.6	41.4
239	Misc. fabricated textile products	126.4	123.6	122.9	122.2	117.2
2391	Curtains and draperies	24.5	24.2	25.4	25.3	24.3
2392	House furnishings, nec	32.4	32.0	34.7	34.3	33.4
2396	Automotive and apparel trimmings	20.6	19.8	17.0	17.7	16.0
26	<b>PAPER AND ALLIED PRODUCTS</b>	161.1	160.2	165.1	162.6	162.1
261, 2,6	Paper and pulp mills	24.8	24.7	27.0	26.8	26.7
262	Paper mills, except building paper	22.0	21.9	23.7	23.6	23.5
263	Paperboard mills	6.2	6.2	6.5	6.6	6.6
264	Misc. converted paper products	77.0	77.1	78.7	76.9	76.8
265	Paperboard containers and boxes	53.1	52.2	52.9	52.3	52.0
27	<b>PRINTING AND PUBLISHING</b>	473.9	472.4	500.2	504.3	503.0
271	Newspapers	147.4	147.2	158.5	160.2	160.3
272	Periodicals	49.8	50.7	51.8	51.8	52.6
273	Books	54.3	54.6	55.5	57.0	57.4
274	Miscellaneous publishing	26.6	26.2	26.3	27.1	26.8
275	Commercial printing	126.8	124.8	133.6	134.0	131.9
2751	Commercial printing, letterpress	58.0	56.5	59.5	59.4	57.1
2752	Commercial printing, lithographic	63.6	63.0	68.5	68.9	68.8
276	Manifold business forms	14.7	14.8	16.0	16.1	16.2
278	Blankbooks and bookbinding	32.4	32.8	35.4	35.0	35.2
279	Printing trade services	8.8	8.7	9.4	9.5	9.6
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	264.3	263.8	276.6	275.7	274.4
281	Industrial inorganic chemicals	23.5	23.6	25.5	25.4	25.7
2819	Industrial inorganic chemicals, nec	15.9	15.9	16.7	16.7	16.9
282	Plastics materials and synthetics	45.2	45.5	46.9	46.7	46.8
2821	Plastics materials and resins	10.4	10.5	11.2	11.3	11.2
2824	Organic fibers, noncellulosic	26.4	26.4	26.3	26.1	26.2
283	Drugs	76.8	77.0	79.9	80.0	80.3
2834	Pharmaceutical preparations	65.5	65.7	68.1	68.3	68.6
284	Soap, cleaners, and toilet goods	54.6	53.3	56.9	56.1	54.4
2841	Soap and other detergents	9.3	9.3	9.1	8.7	8.7
2844	Toilet preparations	32.0	30.9	34.3	34.2	32.5
285	Paints and allied products	12.6	12.5	13.1	13.0	12.9
286	Industrial organic chemicals	23.7	23.7	24.7	24.7	24.5
2861,9	Gum, wood, and industrial organic chemicals, nec	19.1	19.2	19.5	19.6	19.5
287	Agricultural chemicals	9.2	9.4	10.0	10.1	10.2
289	Miscellaneous chemical products	18.7	18.8	19.6	19.7	19.6

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. 1980
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	24.9	24.8	27.9	28.1	28.2
291	Petroleum refining .....	19.9	19.8	22.6	22.9	23.1
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	272.0	269.2	268.7	263.3	261.5
301	Tires and inner tubes .....	12.5	12.3	11.5	11.5	11.2
302	Rubber and plastics footwear .....	14.7	14.4	13.2	13.5	14.1
303,4	Reclaimed rubber, and rubber and plastics hose and belting .....	6.1	6.0	6.0	5.9	5.8
306	Fabricated rubber products, nec .....	41.1	41.0	39.3	38.1	37.9
307	Miscellaneous plastics products .....	197.6	195.5	198.7	194.3	192.5
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	152.0	148.9	148.2	145.3	142.7
311	Leather tanning and finishing .....	3.2	3.2	2.8	2.7	2.7
314	Footwear, except rubber .....	102.3	100.3	97.1	96.2	96.5
3143	Men's footwear, except athletic .....	39.4	38.6	35.4	35.5	35.6
3144	Women's footwear, except athletic .....	42.8	42.4	41.6	41.8	42.5
316	Luggage .....	9.2	8.7	9.9	9.3	8.2
317	Handbags and personal leather goods .....	22.6	22.5	24.4	23.2	21.8
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,185	1,195	1,272	1,271	1,264
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	59.7	59.5	64.9	65.6	64.8
411	Local and suburban transportation .....	10.0	10.1	11.8	12.0	12.1
412	Taxicabs .....	7.7	7.7	7.8	7.8	7.5
413	Intercity highway transportation .....	4.6	4.5	5.0	5.0	5.0
415	School buses .....	35.0	34.7	37.8	38.2	37.7
42	<b>TRUCKING AND WAREHOUSING</b> .....	151.8	147.5	163.4	162.5	158.0
421,3	Trucking and trucking terminals .....	135.3	131.4	143.7	143.5	140.9
422	Public warehousing .....	16.5	16.1	19.7	19.0	17.1
44	<b>WATER TRANSPORTATION</b> .....	18.6	18.7	19.9	20.1	19.6
45	<b>TRANSPORTATION BY AIR</b> .....	129.5	131.6	138.6	139.5	139.7
451,2	Air transportation .....	122.6	124.8	130.9	131.8	132.1
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	2.1	2.0	2.2	2.1	2.1
47	<b>TRANSPORTATION SERVICES</b> .....	78.9	78.9	90.5	90.1	90.9
48	<b>COMMUNICATION</b> .....	587.8	599.7	624.4	621.7	618.4
481	Telephone communication .....	515.6	526.7	543.2	540.5	537.3
483	Radio and television broadcasting .....	56.2	56.9	62.7	62.8	63.1
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	135.1	136.0	145.8	146.7	147.3
491	Electric services .....	60.3	60.9	66.3	67.1	67.4
492	Gas production and distribution .....	34.0	34.1	35.4	35.1	35.0
493	Combination utility services .....	31.6	31.9	34.0	34.2	34.5
495	Sanitary services .....	4.5	4.4	5.1	5.3	5.4
	<b>WHOLESALE AND RETAIL TRADE</b> .....	8,950	8,449	8,999	9,276	8,791
50,51	<b>WHOLESALE TRADE</b> .....	1,292	1,281	1,350	1,347	1,337
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	702	702	741	741	743
501	Motor vehicles and automotive equipment .....	92.1	92.4	94.2	93.9	93.7
502	Furniture and home furnishings .....	37.2	36.9	40.2	40.2	40.0
503	Lumber and construction materials .....	30.2	30.2	33.2	33.0	32.8
504	Sporting goods, toys, and hobby goods .....	23.3	22.8	22.9	23.1	22.2
505	Metals and minerals, except petroleum .....	26.9	26.9	28.9	29.0	29.0
506	Electrical goods .....	113.0	112.9	119.2	120.5	121.2
507	Hardware, plumbing, and heating equipment .....	65.0	65.0	69.0	70.1	69.8
508	Machinery, equipment, and supplies .....	263.9	265.1	283.1	281.9	285.7
509	Miscellaneous durable goods .....	50.7	49.6	49.8	49.3	48.9
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	590	579	609	606	594
511	Paper and paper products .....	40.3	39.6	41.7	41.7	41.7
512	Drugs, proprietaries, and sundries .....	62.0	61.6	67.3	67.3	67.9
513	Apparel, piece goods, and notions .....	79.2	78.6	84.1	83.2	82.9
514	Groceries and related products .....	150.2	145.1	146.0	147.0	141.5
516	Chemicals and allied products .....	29.2	29.2	30.6	30.5	30.4
517	Petroleum and petroleum products .....	48.3	48.5	49.9	50.1	50.4
518	Beer, wine, and distilled beverages .....	20.2	20.1	21.6	21.9	21.6
519	Miscellaneous nondurable goods .....	115.3	113.9	125.5	124.0	121.7



# ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. 1980
52-59	<b>RETAIL TRADE</b>	7,658	7,168	7,649	7,929	7,454
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b>	155.7	148.1	161.9	163.3	156.7
521	Lumber and other building materials	61.0	59.5	64.4	64.5	64.3
525	Hardware stores	53.9	51.0	55.8	56.9	55.4
53	<b>GENERAL MERCHANDISE STORES</b>	1,809.7	1,610.0	1,632.6	1,748.3	1,574.2
531	Department stores	1,457.0	1,294.7	1,297.7	1,393.1	1,259.8
533	Variety stores	250.2	224.2	228.7	239.7	214.8
539	Misc. general merchandise stores	102.5	91.1	106.2	115.5	99.6
54	<b>FOOD STORES</b>	950.1	924.0	991.6	1,013.1	979.0
541	Grocery stores	786.7	773.5	831.9	841.9	828.4
542	Meat markets and freezer provisioners	15.8	15.9	17.3	17.9	18.2
546	Retail bakeries	76.7	73.4	78.1	79.2	75.9
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b>	310.7	307.0	319.2	319.6	316.9
551,2	New and used car dealers	124.3	125.6	125.2	124.8	123.3
553	Auto and home supply stores	48.9	47.0	47.3	48.8	47.7
554	Gasoline service stations	122.6	119.9	130.4	129.9	128.5
56	<b>APPAREL AND ACCESSORY STORES</b>	729.2	643.0	691.7	752.2	669.5
561	Men's and boys' clothing and furnishings	74.8	63.5	65.3	77.1	66.1
562	Women's ready-to-wear stores	351.4	312.4	333.7	355.5	320.3
565	Family clothing stores	151.9	128.2	143.3	163.8	139.6
566	Shoe stores	76.7	70.1	77.8	81.2	75.0
57	<b>FURNITURE AND HOME FURNISHING STORES</b>	199.1	194.7	205.2	208.3	205.3
571	Furniture and home furnishings	131.0	128.5	132.3	133.4	131.1
572	Household appliance stores	25.2	24.7	24.5	24.7	24.5
573	Radio, television, and music stores	42.9	41.5	48.4	50.2	49.7
58	<b>EATING AND DRINKING PLACES</b>	2,426.9	2,354.3	2,595.3	2,612.1	2,539.6
59	<b>MISCELLANEOUS RETAIL</b>	1,076.8	987.1	1,051.5	1,112.4	1,012.9
591	Drug stores and proprietary stores	312.9	305.4	317.8	334.3	322.7
592	Liquor stores	32.9	29.5	35.1	35.9	34.5
594	Miscellaneous shopping goods stores	393.2	335.0	375.2	412.5	351.2
596	Nonstore retailers	173.9	159.9	164.4	164.9	148.5
598	Fuel and ice dealers	22.7	23.4	23.3	23.5	23.4
599	Retail stores, nec	119.5	112.2	115.7	120.8	112.6
	<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	2,802	2,800	2,948	2,957	2,966
60	<b>BANKING</b>	1,014.3	1,015.8	1,066.6	1,070.5	1,076.4
602	Commercial and stock savings banks	933.7	934.6	981.5	985.2	990.6
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b>	347.0	346.0	370.0	373.3	369.0
612	Savings and loan associations	165.8	166.4	179.5	180.4	180.0
614	Personal credit institutions	118.5	116.7	126.2	129.0	125.5
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b>	76.4	76.5	84.4	84.8	84.9
621	Security brokers and dealers	60.5	60.4	66.7	67.2	67.4
63	<b>INSURANCE CARRIERS</b>	713.3	713.4	738.8	742.6	743.6
631	Life insurance	273.1	272.1	279.4	281.5	283.1
632	Medical service and health insurance	99.8	99.6	100.7	101.9	101.9
633	Fire, marine, and casualty insurance	289.9	291.7	306.4	307.7	308.1
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b>	256.0	257.4	270.2	268.8	274.6
65	<b>REAL ESTATE</b>	325.7	321.8	342.1	341.2	342.5
651	Real estate operators and lessors	132.0	131.4	133.7	135.2	136.0
653	Real estate agents and managers	145.0	143.5	158.5	156.6	157.1
655	Subdividers and developers	31.5	30.2	32.4	32.3	32.3
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b>	16.7	16.8	17.8	17.7	17.6
67	<b>HOLDING AND OTHER INVESTMENT OFFICES.</b>	52.8	52.1	57.7	57.7	57.4
	<b>SERVICES</b>	9,621	9,537	10,101	10,094	10,027
70	<b>HOTELS AND OTHER LODGING PLACES</b>	496.2	483.4	552.0	536.7	524.1
701	Hotels, motels, and tourist courts	477.7	465.2	531.6	514.3	504.0

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1978	Jan. 1979	Nov. 1979	Dec. 1979	Jan. 1980
72	<b>PERSONAL SERVICES</b> .....	614.6	604.8	607.9	606.4	613.9
721	Laundry, cleaning, and garment services .....	224.2	222.3	222.3	220.6	219.9
723	Beauty shops .....	252.3	249.1	247.2	248.0	243.0
726	Funeral service and crematories .....	18.2	18.5	19.0	19.2	19.5
73	<b>BUSINESS SERVICES</b> .....	1,184.7	1,164.8	1,263.5	1,270.4	1,237.5
731	Advertising .....	66.2	62.2	70.7	70.6	70.8
732	Credit reporting and collection .....	58.2	56.9	54.8	54.2	52.4
733	Mailing, reproduction, stenographic .....	52.1	51.4	55.8	55.3	52.9
734	Services to buildings .....	163.5	166.0	185.7	185.8	181.6
736	Personnel supply services .....	286.2	278.1	297.6	309.6	291.8
737	Computer and data processing services .....	113.2	115.7	130.5	129.9	129.1
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	92.4	91.1	96.4	94.5	95.3
753	Automotive repair shops .....	41.2	40.8	42.6	41.2	42.0
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	53.7	53.3	60.2	60.9	60.4
78	<b>MOTION PICTURES</b> .....	78.6	76.5	78.2	78.5	75.0
781	Motion picture production and services .....	24.0	22.6	24.4	25.1	23.1
783	Motion picture theaters .....	48.7	48.0	48.0	47.6	46.1
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	258.0	244.3	247.8	247.3	240.2
80	<b>HEALTH SERVICES</b> .....	3,987.2	3,998.7	4,180.3	4,193.7	4,219.9
801	Offices of physicians .....	545.2	544.4	567.6	569.6	573.9
802	Offices of dentists .....	264.3	263.8	275.3	277.4	281.9
805	Nursing and personal care facilities .....	838.8	844.0	892.9	897.7	908.5
806	Hospitals .....	2,084.8	2,090.2	2,172.1	2,175.6	2,181.5
81	<b>LEGAL SERVICES</b> .....	317.0	318.3	336.8	337.9	337.7
82	<b>EDUCATIONAL SERVICES</b> .....	557.2	531.7	585.3	572.8	541.4
821	Elementary and secondary schools .....	147.5	146.8	156.3	153.3	153.5
822	Colleges and universities .....	347.2	322.5	361.4	351.8	320.8
83	<b>SOCIAL SERVICES</b> .....	747.3	741.5	783.6	785.0	786.2
89	<b>MISCELLANEOUS SERVICES</b> .....	271.1	275.6	296.5	299.1	306.1
891	Engineering and architectural services .....	95.7	95.4	106.5	107.5	108.3
893	Accounting, auditing, and bookkeeping .....	121.5	125.7	130.6	131.7	137.1
	<b>GOVERNMENT</b> .....	7,379	7,297	7,676	7,672	7,587
	<b>FEDERAL GOVERNMENT</b> .....	858	856	870	876	880
	<b>STATE AND LOCAL GOVERNMENT</b> .....	6,521	6,441	6,806	6,796	6,707
	State government .....	1,559.2	1,507.5	1,640.9	1,625.2	1,581.7
	Hospitals .....	325.7	328.6	341.3	343.6	351.4
	State education .....	667.0	611.1	725.3	707.9	655.7
	General administration including executive, legislative, and judicial functions .....	382.4	382.0	384.3	381.8	381.1
	Local government .....	4,961.9	4,933.9	5,165.2	5,171.0	5,125.1
	Transportation and public utilities .....	81.9	83.4	91.0	91.8	91.9
	Hospitals .....	400.2	402.8	432.0	433.2	435.0
	Local education .....	3,416.7	3,390.0	3,526.1	3,529.0	3,482.3
	General administration including executive, legislative, and judicial functions .....	880.9	874.2	916.0	918.1	915.3

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. p	Mar. p
<b>TOTAL</b> .....	89,039	89,036	89,398	89,626	89,713	89,762	89,803	89,982	90,100	90,241	90,652	90,774	90,634
<b>GOODS-PRODUCING</b> .....	26,627	26,565	26,651	26,674	26,723	26,599	26,593	26,572	26,533	26,655	26,763	26,719	26,549
<b>MINING</b> .....	940	940	944	949	956	968	973	979	983	991	1,000	1,000	1,006
<b>CONSTRUCTION</b> .....	4,614	4,559	4,648	4,662	4,688	4,674	4,671	4,694	4,714	4,783	4,893	4,830	4,695
<b>MANUFACTURING</b> .....	21,073	21,066	21,059	21,063	21,079	20,957	20,949	20,899	20,836	20,881	20,890	20,889	20,848
<b>DURABLE GOODS</b> .....	12,751	12,752	12,739	12,760	12,786	12,714	12,737	12,650	12,587	12,615	12,601	12,648	12,616
Lumber and wood products .....	769	761	762	757	753	752	758	760	751	740	737	736	724
Furniture and fixtures .....	493	490	487	485	488	484	480	482	483	483	484	481	482
Stone, clay, and glass products .....	718	714	715	715	711	710	708	709	704	706	708	709	702
Primary metal industries .....	1,259	1,260	1,254	1,257	1,256	1,245	1,236	1,226	1,223	1,208	1,208	1,210	1,204
Fabricated metal products .....	1,732	1,732	1,730	1,737	1,730	1,714	1,716	1,723	1,726	1,725	1,712	1,723	1,721
Machinery, except electrical .....	2,450	2,466	2,471	2,484	2,500	2,492	2,496	2,455	2,438	2,444	2,512	2,513	2,517
Electric and electronic equipment .....	2,093	2,101	2,106	2,124	2,131	2,092	2,117	2,125	2,125	2,140	2,149	2,148	2,150
Transportation equipment .....	2,094	2,084	2,077	2,057	2,073	2,079	2,086	2,025	1,994	2,019	1,938	1,976	1,958
Instruments and related products .....	685	689	688	693	694	695	692	696	694	698	700	702	707
Miscellaneous manufacturing ind. ....	458	455	449	451	450	451	448	449	449	452	453	450	451
<b>NONDURABLE GOODS</b> .....	8,322	8,314	8,320	8,303	8,293	8,243	8,212	8,249	8,249	8,266	8,289	8,241	8,232
Food and kindred products .....	1,736	1,728	1,725	1,720	1,707	1,696	1,691	1,707	1,710	1,715	1,707	1,706	1,692
Tobacco manufactures .....	69	69	70	69	68	64	65	65	60	62	64	65	65
Textile mill products .....	897	892	893	892	892	886	884	887	889	893	891	890	893
Apparel and other textile products .....	1,324	1,325	1,324	1,312	1,324	1,302	1,294	1,299	1,292	1,297	1,309	1,313	1,315
Paper and allied products .....	716	717	714	715	718	717	714	715	714	713	718	717	717
Printing and publishing .....	1,232	1,234	1,236	1,242	1,250	1,247	1,245	1,252	1,262	1,263	1,273	1,278	1,280
Chemicals and allied products .....	1,108	1,111	1,114	1,119	1,116	1,111	1,110	1,113	1,114	1,119	1,123	1,122	1,122
Petroleum and coal products .....	213	213	213	212	212	213	215	217	217	217	219	167	165
Rubber and misc. plastic products .....	780	781	784	775	777	764	751	751	749	745	745	743	744
Leather and leather products .....	247	244	247	247	229	243	243	243	242	242	240	240	239
<b>SERVICE-PRODUCING</b> .....	62,412	62,471	62,747	62,952	62,990	63,163	63,210	63,410	63,567	63,586	63,869	64,055	64,085
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,116	5,024	5,130	5,190	5,169	5,194	5,180	5,218	5,229	5,223	5,212	5,191	5,197
<b>WHOLESALE AND RETAIL TRADE</b> ..	20,054	20,088	20,129	20,116	20,122	20,126	20,169	20,243	20,308	20,254	20,428	20,530	20,499
<b>WHOLESALE TRADE</b> .....	5,134	5,138	5,156	5,180	5,182	5,185	5,190	5,209	5,235	5,218	5,248	5,265	5,263
<b>RETAIL TRADE</b> .....	14,920	14,950	14,973	14,936	14,940	14,941	14,979	15,034	15,073	15,036	15,180	15,265	15,236
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4,899	4,915	4,936	4,958	4,972	5,003	4,997	5,018	5,039	5,056	5,081	5,085	5,091
<b>SERVICES</b> .....	16,833	16,880	16,954	17,051	17,092	17,141	17,191	17,257	17,298	17,357	17,442	17,505	17,544
<b>GOVERNMENT</b> ..	15,510	15,564	15,598	15,637	15,635	15,699	15,673	15,674	15,693	15,696	15,706	15,744	15,754
<b>FEDERAL</b> .....	2,757	2,758	2,770	2,788	2,785	2,813	2,762	2,770	2,771	2,771	2,791	2,823	2,822
<b>STATE AND LOCAL</b> .....	12,753	12,806	12,828	12,849	12,850	12,886	12,911	12,904	12,922	12,925	12,915	12,921	12,932

p=preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1979												1980
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>TOTAL</b>	<b>36,271</b>	<b>36,385</b>	<b>36,517</b>	<b>36,669</b>	<b>36,789</b>	<b>36,916</b>	<b>37,102</b>	<b>37,262</b>	<b>37,144</b>	<b>37,324</b>	<b>37,512</b>	<b>37,539</b>	<b>37,789</b>
<b>GOODS-PRODUCING</b>	<b>6,865</b>	<b>6,877</b>	<b>6,899</b>	<b>6,920</b>	<b>6,939</b>	<b>6,960</b>	<b>6,971</b>	<b>6,907</b>	<b>6,906</b>	<b>6,942</b>	<b>6,948</b>	<b>6,985</b>	<b>7,019</b>
MINING	84	85	87	87	89	91	92	94	94	94	95	97	97
CONSTRUCTION	350	353	357	362	367	374	379	380	383	385	389	390	393
<b>MANUFACTURING</b>	<b>6,431</b>	<b>6,439</b>	<b>6,455</b>	<b>6,471</b>	<b>6,483</b>	<b>6,495</b>	<b>6,500</b>	<b>6,433</b>	<b>6,429</b>	<b>6,463</b>	<b>6,464</b>	<b>6,498</b>	<b>6,529</b>
<b>DURABLE GOODS</b>	<b>3,029</b>	<b>3,053</b>	<b>3,069</b>	<b>3,082</b>	<b>3,087</b>	<b>3,102</b>	<b>3,109</b>	<b>3,068</b>	<b>3,082</b>	<b>3,094</b>	<b>3,092</b>	<b>3,116</b>	<b>3,125</b>
Lumber and wood products	112	113	114	114	114	113	113	113	114	115	113	112	111
Furnitures and fixtures	146	146	145	145	144	145	146	145	143	142	142	144	144
Stone, clay, and glass products	131	132	134	134	134	135	134	133	134	134	134	136	135
Primary metal industries	130	131	131	134	134	138	137	135	134	134	133	132	131
Fabricated metal products	357	360	361	361	362	363	363	360	359	362	363	364	365
Machinery, except electrical	456	460	464	469	473	473	479	478	482	482	482	485	496
Electric and electronic equipment	870	877	884	887	892	902	907	888	898	903	904	917	919
Transportation equipment	320	326	326	326	326	323	321	307	312	314	313	315	309
Instruments and related products	289	291	293	294	295	296	296	296	295	296	295	296	298
Miscellaneous manufacturing ind.	218	217	217	218	213	214	213	213	211	212	213	215	217
<b>NONDURABLE GOODS</b>	<b>3,402</b>	<b>3,386</b>	<b>3,386</b>	<b>3,389</b>	<b>3,396</b>	<b>3,393</b>	<b>3,391</b>	<b>3,365</b>	<b>3,347</b>	<b>3,369</b>	<b>3,372</b>	<b>3,382</b>	<b>3,404</b>
Food and kindred products	512	507	509	508	511	511	502	495	488	501	503	507	507
Tobacco manufactures	25	25	25	26	26	25	24	23	24	24	21	22	23
Textile mill products	425	424	423	422	422	424	422	422	421	421	424	426	425
Apparel and other textile products	1,087	1,075	1,071	1,072	1,072	1,062	1,073	1,056	1,049	1,053	1,048	1,052	1,064
Paper and allied products	163	163	165	165	164	164	165	164	164	164	163	162	164
Printing and publishing	474	476	477	479	479	482	487	488	491	494	498	500	505
Chemicals and allied products	268	268	268	269	271	273	274	271	271	273	276	277	278
Petroleum and coal products	25	25	25	26	26	27	27	27	28	28	28	28	29
Rubber and misc. plastics products	271	273	273	273	275	275	279	272	263	264	264	262	263
Leather and leather products	152	150	150	149	150	150	138	147	148	147	147	146	146
<b>SERVICE-PRODUCING</b>	<b>29,406</b>	<b>29,508</b>	<b>29,618</b>	<b>29,749</b>	<b>29,850</b>	<b>29,956</b>	<b>30,131</b>	<b>30,355</b>	<b>30,238</b>	<b>30,382</b>	<b>30,564</b>	<b>30,554</b>	<b>30,770</b>
TRANSPORTATION AND PUBLIC UTILITIES	1,195	1,205	1,209	1,202	1,214	1,233	1,236	1,243	1,251	1,252	1,267	1,265	1,264
WHOLESALE AND RETAIL TRADE	8,526	8,552	8,595	8,627	8,673	8,670	8,684	8,695	8,713	8,744	8,783	8,730	8,871
WHOLESALE TRADE	1,286	1,290	1,297	1,297	1,307	1,310	1,317	1,317	1,318	1,322	1,335	1,334	1,342
RETAIL TRADE	7,240	7,262	7,298	7,330	7,366	7,360	7,367	7,378	7,395	7,422	7,448	7,396	7,529
FINANCE, INSURANCE, AND REAL ESTATE	2,817	2,826	2,837	2,850	2,862	2,880	2,892	2,912	2,916	2,935	2,948	2,957	2,984
SERVICES	9,672	9,710	9,754	9,798	9,846	9,898	9,939	10,003	10,015	10,065	10,091	10,114	10,169
GOVERNMENT	7,196	7,215	7,223	7,272	7,255	7,275	7,380	7,502	7,343	7,386	7,475	7,488	7,482
FEDERAL	863	862	862	861	866	875	874	891	878	862	880	884	887
STATE AND LOCAL	6,333	6,353	6,361	6,411	6,389	6,400	6,506	6,611	6,465	6,504	6,595	6,604	6,595

<sup>1</sup> The unadjusted data are shown because the seasonal component, is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

## B-6. Production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(In thousands)

Industry division and group	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. p	Mar. p
<b>TOTAL PRIVATE</b> .....	60,161	60,051	60,326	60,495	60,544	60,475	60,528	60,668	60,746	60,841	61,142	61,198	61,018
<b>GOODS-PRODUCING</b> .....	19,555	19,475	19,542	19,537	19,560	19,415	19,416	19,371	19,314	19,421	19,507	19,406	19,233
<b>MINING</b> .....	707	708	708	709	713	725	730	733	733	739	746	744	747
<b>CONSTRUCTION</b> .....	3,695	3,633	3,722	3,732	3,757	3,734	3,729	3,744	3,752	3,817	3,913	3,841	3,694
<b>MANUFACTURING</b> .....	15,153	15,134	15,112	15,096	15,090	14,956	14,957	14,894	14,829	14,865	14,848	14,821	14,792
<b>DURABLE GOODS</b> .....	9,158	9,146	9,119	9,123	9,124	9,044	9,066	8,972	8,908	8,931	8,894	8,923	8,900
Lumber and wood products .....	657	649	649	646	643	642	646	649	639	627	623	621	610
Furniture and fixtures .....	404	401	397	395	398	394	392	394	394	394	395	392	392
Stone, clay, and glass products .....	569	563	564	565	560	558	557	557	553	554	556	555	550
Primary metal industries .....	995	995	987	991	988	976	970	960	954	943	942	942	938
Fabricated metal products .....	1,315	1,314	1,310	1,316	1,309	1,291	1,295	1,298	1,300	1,298	1,286	1,298	1,296
Machinery, except electrical .....	1,615	1,625	1,628	1,632	1,641	1,628	1,637	1,601	1,591	1,590	1,642	1,640	1,643
Electric and electronic equipment .....	1,378	1,384	1,384	1,393	1,395	1,359	1,375	1,380	1,376	1,388	1,397	1,392	1,394
Transportation equipment .....	1,455	1,446	1,438	1,417	1,426	1,431	1,433	1,371	1,342	1,371	1,286	1,316	1,302
Instruments and related products .....	422	423	421	424	422	421	420	421	418	421	422	424	431
Miscellaneous manufacturing ind. ....	348	346	341	344	342	344	341	341	341	345	345	343	344
<b>NONDURABLE GOODS</b> .....	5,995	5,988	5,993	5,973	5,966	5,912	5,891	5,922	5,921	5,934	5,954	5,898	5,892
Food and kindred products .....	1,191	1,187	1,184	1,181	1,170	1,157	1,153	1,169	1,171	1,180	1,175	1,172	1,155
Tobacco manufactures .....	55	56	56	55	54	50	52	52	46	48	50	50	50
Textile mill products .....	781	777	778	777	778	771	769	772	776	778	779	779	779
Apparel and other textile products .....	1,131	1,131	1,133	1,122	1,130	1,110	1,104	1,109	1,102	1,106	1,117	1,120	1,121
Paper and allied products .....	542	543	541	541	547	545	543	543	542	542	544	545	547
Printing and publishing .....	696	696	700	701	707	705	703	708	715	713	720	722	723
Chemicals and allied products .....	635	636	636	640	639	634	635	637	638	641	643	640	645
Petroleum and coal products .....	139	140	139	139	138	139	140	140	141	142	142	89	89
Rubber and misc. plastics products .....	614	614	616	607	609	595	585	585	585	580	581	578	580
Leather and leather products .....	211	208	210	210	194	206	207	207	205	204	203	203	203
<b>SERVICE-PRODUCING</b> .....	40,606	40,576	40,784	40,958	40,984	41,060	41,112	41,297	41,432	41,420	41,635	41,792	41,785
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,283	4,197	4,293	4,351	4,333	4,348	4,337	4,370	4,380	4,368	4,350	4,336	4,344
<b>WHOLESALE AND RETAIL TRADE</b> .....	17,648	17,662	17,691	17,689	17,681	17,689	17,721	17,789	17,848	17,802	17,947	18,040	17,984
<b>WHOLESALE TRADE</b> .....	4,222	4,221	4,237	4,257	4,255	4,256	4,259	4,279	4,295	4,289	4,305	4,316	4,314
<b>RETAIL TRADE</b> .....	13,426	13,441	13,454	13,432	13,426	13,433	13,462	13,510	13,553	13,513	13,642	13,724	13,670
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,729	3,743	3,756	3,777	3,788	3,804	3,794	3,804	3,814	3,824	3,840	3,851	3,847
<b>SERVICES</b> .....	14,946	14,974	15,044	15,141	15,182	15,219	15,260	15,334	15,390	15,426	15,498	15,565	15,610

<sup>1</sup> 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 employment<sup>1</sup> increased**

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1977				
January.....	73.0	80.2	86.3	80.5
February.....	67.2	84.3	84.6	81.4
March.....	72.4	82.6	84.0	82.8
April.....	71.5	81.7	82.3	84.6
May.....	70.3	76.5	79.1	85.2
June.....	65.1	72.7	77.6	86.6
July.....	70.3	70.3	75.3	84.9
August.....	57.8	70.9	76.7	83.1
September.....	67.2	67.7	79.7	83.1
October.....	64.2	76.2	80.5	82.8
November.....	73.3	79.7	84.0	81.1
December.....	75.3	79.4	82.3	82.0
1978				
January.....	68.3	80.2	83.1	81.4
February.....	69.2	75.6	79.1	83.1
March.....	69.5	77.3	77.6	81.1
April.....	68.0	69.8	73.5	82.0
May.....	57.8	67.2	72.7	81.7
June.....	66.6	66.6	71.2	82.3
July.....	64.5	69.5	73.0	81.4
August.....	60.5	67.2	77.3	78.2
September.....	62.5	71.2	79.7	77.9
October.....	73.0	78.2	82.3	73.5
November.....	75.9	81.1	82.3	76.2
December.....	74.4	82.3	80.5	71.8
1979				
January.....	70.3	76.5	74.1	71.8
February.....	65.1	72.1	67.4	70.6
March.....	60.5	57.8	61.9	63.7
April.....	44.8	55.2	58.1	64.0
May.....	54.7	51.5	50.3	61.9
June.....	57.0	58.4	46.8	58.1
July.....	61.6	56.7	56.1	57.0
August.....	48.8	52.0	55.8	52.9p
September.....	46.8	52.9	57.6	52.0p
October.....	69.8	61.0	61.6	
November.....	59.9	66.6	65.4p	
December.....	59.0	64.5	65.7p	
1980				
January.....	63.4	61.0p		
February.....	57.0p	53.8p		
March.....	45.3p			
April.....				
May.....				
June.....				
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

<sup>1</sup> 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			Construction			Manufacturing		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
1 ALABAMA .....	1,339.9	1,362.2	1,366.3	16.1	17.3	17.1	68.5	66.5	68.4	372.9	371.1	371.1
2 Birmingham .....	351.7	359.5	(*)	9.7	10.1	(*)	19.9	20.4	(*)	70.8	69.7	(*)
3 Huntsville .....	117.7	120.0	(*)	(1)	(1)	(*)	4.2	4.0	(*)	36.2	36.4	(*)
4 Mobile .....	144.9	148.6	148.8	(1)	(1)	(1)	9.8	11.9	11.4	29.8	29.9	30.0
5 Montgomery .....	105.1	108.7	108.8	(1)	(1)	(1)	7.0	9.4	9.3	15.9	16.4	16.7
6 Tuscaloosa .....	49.6	50.1	50.5	1.1	1.5	1.6	2.6	2.3	2.4	9.0	9.4	9.2
7 ALASKA .....	155.1	158.0	159.5	5.6	5.9	6.0	7.2	7.3	7.4	7.3	8.2	8.0
8 ARIZONA .....	957.8	995.2	1,001.7	20.3	23.2	23.2	80.7	78.0	77.3	137.1	149.1	150.2
9 Phoenix .....	600.4	626.3	629.0	.2	.3	.3	53.1	51.1	50.6	101.9	110.2	111.0
10 Tucson .....	173.0	179.9	182.8	6.1	7.3	7.4	14.5	15.2	14.9	17.1	19.3	19.6
11 ARKANSAS .....	727.0	744.9	746.2	4.5	4.9	4.7	33.9	35.4	34.1	213.9	215.2	214.5
12 Fayetteville-Springdale .....	62.1	64.3	64.5	(1)	(1)	(1)	2.6	3.2	3.2	18.8	18.9	19.0
13 Fort Smith .....	66.1	65.7	66.1	.8	.8	.8	2.5	2.7	2.7	23.7	22.8	23.0
14 Little Rock-North Little Rock .....	176.4	180.1	179.8	(1)	(1)	(1)	8.3	8.2	8.1	31.7	31.3	31.3
15 Pine Bluff .....	31.5	32.1	31.9	(1)	(1)	(1)	2.1	2.3	2.2	6.2	6.1	6.0
16 CALIFORNIA .....	9,412.2	9,726.2	9,728.2	37.8	39.8	39.8	422.7	446.5	432.5	1,940.7	1,992.7	1,993.9
17 Anaheim-Santa Ana-Garden Grove .....	780.4	816.4	822.8	2.3	2.2	2.1	46.5	46.5	47.5	211.0	220.4	221.4
18 Bakersfield .....	121.7	127.0	125.8	10.5	10.8	10.2	6.4	6.4	6.4	8.9	9.6	8.9
19 Fresno .....	173.0	181.1	182.3	.9	.9	.9	11.0	12.6	12.6	21.2	22.5	21.8
20 Los Angeles-Long Beach .....	3,533.7	3,653.9	3,661.1	11.5	12.1	12.0	112.7	116.0	114.2	916.6	935.8	937.8
21 Modesto .....	81.9	86.5	86.5	.1	.1	.1	5.9	6.6	6.6	16.5	17.7	17.4
22 Oxnard-Simi Valley-Ventura .....	142.2	147.1	148.5	2.4	2.4	2.1	7.7	8.4	8.6	22.6	24.0	24.2
23 Riverside-San Bernardino-Ontario .....	421.2	441.2	442.3	2.4	2.6	2.6	26.7	29.3	29.4	66.3	67.8	67.4
24 Sacramento .....	378.6	397.7	398.9	.4	.4	.4	20.3	22.5	22.5	25.2	26.2	26.2
25 Salinas-Seaside-Monterey .....	83.5	86.0	85.8	.7	.6	.6	3.5	3.5	3.5	8.5	8.2	8.3
26 San Diego .....	618.7	644.4	646.3	.7	.7	.7	39.9	38.6	39.2	97.3	104.3	104.2
27 San Francisco-Oakland .....	1,491.6	1,523.1	1,520.8	2.2	2.4	2.4	69.5	71.0	71.8	200.9	199.8	200.6
28 San Jose .....	609.9	647.8	648.7	.1	.2	.2	22.8	23.8	24.5	210.8	230.0	231.9
29 Santa Barbara-Santa Maria-Lompoc .....	115.7	119.3	119.7	1.1	1.2	1.2	4.9	5.1	5.2	15.4	15.6	15.6
30 Santa Rosa .....	84.5	89.3	89.9	.4	.4	.4	5.2	5.6	5.7	13.4	14.3	14.2
31 Stockton .....	111.0	116.1	116.0	.1	.1	.1	5.5	6.0	6.0	18.8	19.1	19.1
32 Vallejo-Fairfield-Napa .....	93.7	97.3	96.4	.2	.3	.3	4.4	4.6	4.7	10.0	10.1	10.1
33 COLORADO .....	1,178.9	1,232.7	1,237.1	28.4	31.7	31.7	67.9	79.4	77.8	174.7	182.9	182.2
34 Denver-Boulder .....	752.4	788.0	790.6	15.0	16.8	16.9	42.3	47.5	46.3	121.2	125.6	125.0
35 CONNECTICUT <sup>2</sup> .....	(*)	1,401.2	1,397.7	(*)	(3)	(3)	(*)	44.5	41.9	(*)	440.1	440.7
36 Bridgeport <sup>2</sup> .....	(*)	165.0	164.8	(*)	(3)	(3)	(*)	5.2	5.0	(*)	65.9	65.9
37 Hartford <sup>2</sup> .....	(*)	391.9	391.0	(*)	(3)	(3)	(*)	11.4	10.7	(*)	99.3	99.0
38 New Britain <sup>2</sup> .....	(*)	62.0	61.8	(*)	(3)	(3)	(*)	1.8	1.7	(*)	29.8	29.6
39 New Haven-West Haven .....	(*)	188.7	189.3	(*)	(3)	(3)	(*)	5.1	5.2	(*)	43.6	43.3
40 Stamford <sup>2</sup> .....	(*)	107.0	106.6	(*)	(3)	(3)	(*)	4.5	4.3	(*)	31.8	31.9
41 Waterbury <sup>2</sup> .....	(*)	87.6	87.7	(*)	(3)	(3)	(*)	3.0	2.8	(*)	32.1	32.7
42 DELAWARE .....	247.0	252.4	255.3	(1)	(1)	(1)	12.6	14.6	13.8	68.8	67.1	70.3
43 Wilmington .....	221.9	219.5	222.3	(1)	(1)	(1)	13.9	14.0	13.3	64.4	60.6	63.7
44 DISTRICT OF COLUMBIA .....	(*)	611.5	611.9	(*)	(1)	(1)	(*)	13.8	13.6	(*)	15.4	15.4
45 Washington SMSA .....	(*)	1,501.8	1,499.0	(*)	(1)	(1)	(*)	74.1	71.2	(*)	54.5	54.9
46 FLORIDA .....	3,339.2	3,508.6	(*)	9.9	10.0	(*)	227.0	264.1	(*)	435.5	450.5	(*)
47 Daytona Beach .....	73.8	73.5	(*)	(1)	(1)	(*)	4.3	4.7	(*)	7.8	8.1	(*)
48 Fort Lauderdale-Hollywood .....	327.4	334.3	(*)	(1)	(1)	(*)	25.9	30.0	(*)	38.8	41.2	(*)
49 Gainesville .....	63.0	64.4	(*)	(1)	(1)	(*)	3.1	3.7	(*)	3.8	3.8	(*)
50 Jacksonville .....	282.7	286.0	(*)	(1)	(1)	(*)	15.3	15.9	(*)	33.8	34.1	(*)
51 Miami .....	685.0	728.0	(*)	(1)	(1)	(*)	33.3	42.4	(*)	98.6	103.1	(*)
52 Orlando .....	265.3	280.6	(*)	(1)	(1)	(*)	16.8	20.3	(*)	34.6	36.4	(*)
53 Pensacola .....	93.7	95.2	(*)	(1)	(1)	(*)	6.1	6.7	(*)	13.3	12.8	(*)
54 Sarasota .....	68.8	70.9	(*)	(1)	(1)	(*)	7.6	7.6	(*)	6.1	6.3	(*)
55 Tallahassee .....	69.3	72.0	(*)	(1)	(1)	(*)	3.3	3.3	(*)	2.4	2.3	(*)
56 Tampa-St. Petersburg .....	512.9	526.9	(*)	(1)	(1)	(*)	35.6	35.7	(*)	71.3	73.5	(*)
57 West Palm Beach-Boca Raton .....	193.1	204.9	(*)	(1)	(1)	(*)	17.6	19.5	(*)	25.4	28.1	(*)
58 GEORGIA .....	2,080.2	2,123.4	2,132.4	7.5	7.5	7.6	94.9	96.8	96.9	523.1	523.0	524.7
59 Albany .....	43.4	45.1	45.2	(1)	(1)	(1)	4.3	3.4	3.2	10.2	11.3	11.5
60 Atlanta .....	911.6	935.4	941.1	(1)	(1)	(1)	38.1	39.4	38.3	139.9	139.8	141.6
61 Augusta .....	119.5	121.7	121.5	(1)	(1)	(1)	6.2	6.3	6.3	36.1	36.5	36.4
62 Columbus .....	81.5	82.5	82.4	(1)	(1)	(1)	4.0	3.7	3.6	21.4	21.5	21.5
63 Macon .....	94.7	95.4	95.1	(1)	(1)	(1)	4.2	4.3	4.2	15.3	16.1	16.0

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government		
FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
70.1	72.1	72.1	269.0	279.8	277.9	57.2	57.9	58.0	193.9	200.1	200.6	292.2	297.4	301.1
28.1	28.6	(*)	84.0	86.8	(*)	22.2	22.8	(*)	62.7	65.3	(*)	54.3	55.8	(*)
2.7	2.7	(*)	21.4	22.3	(*)	3.3	3.4	(*)	16.5	17.0	(*)	33.4	34.2	(*)
10.4	10.7	10.8	35.3	37.0	37.0	6.9	7.2	7.2	27.3	26.5	26.9	25.4	25.4	25.5
4.6	4.7	4.6	24.0	23.7	23.6	5.9	6.0	6.0	18.8	19.5	19.6	28.9	29.0	29.0
1.9	1.8	1.8	9.7	9.8	9.7	1.6	1.7	1.7	6.0	6.2	6.2	17.7	17.4	17.9
15.6	16.0	16.1	28.0	28.7	28.4	8.4	8.1	8.1	29.2	29.4	29.9	53.9	54.4	55.6
47.5	49.7	49.6	228.6	244.7	242.9	53.0	56.8	56.9	187.8	195.9	196.9	202.8	197.8	204.7
28.2	29.5	29.4	152.5	163.9	162.7	40.7	43.5	43.6	121.1	127.6	128.2	102.7	100.2	103.2
8.6	8.8	8.9	38.8	41.2	41.1	7.7	8.3	8.3	36.0	36.9	37.6	44.2	42.9	45.0
42.5	43.2	42.8	156.7	159.6	159.6	29.9	31.1	31.1	105.0	110.9	113.7	140.6	144.6	145.7
3.3	3.9	3.9	15.0	15.8	15.8	2.0	2.1	2.1	8.1	8.4	8.5	12.3	12.0	12.0
3.6	3.7	3.7	14.0	13.8	13.8	2.3	2.4	2.4	10.9	11.1	11.1	8.3	8.4	8.6
13.7	14.2	14.0	40.8	41.8	41.2	12.0	12.3	12.3	32.5	33.9	34.1	37.4	38.4	38.8
3.9	4.1	4.0	6.4	6.5	6.5	1.3	1.3	1.3	4.8	5.0	5.0	6.8	6.8	6.9
516.3	538.4	535.6	2,165.9	2,245.5	2,227.1	575.2	603.9	604.0	2,011.5	2,099.9	2,117.3	1,742.1	1,759.5	1,778.0
25.0	26.5	26.6	186.2	197.3	198.7	50.2	54.6	54.7	156.4	163.8	165.1	102.8	105.1	106.7
7.6	7.8	7.7	31.6	33.5	33.2	4.5	4.5	4.5	21.5	22.5	22.5	30.7	31.9	32.4
9.6	10.5	10.4	44.8	47.2	46.9	10.3	11.1	11.1	33.8	35.9	36.2	41.4	40.4	42.4
193.1	204.7	203.2	805.3	829.7	826.3	218.0	225.5	224.7	791.4	827.1	834.4	485.1	503.0	506.5
3.7	3.7	3.6	20.3	22.7	22.4	3.2	3.5	3.5	15.5	16.3	16.3	16.7	15.9	16.6
5.7	6.1	6.1	33.1	34.3	34.3	6.7	6.9	6.9	27.5	29.0	29.2	36.5	36.0	37.1
22.9	24.0	24.1	100.7	107.6	107.4	18.0	19.2	19.1	87.1	90.3	91.1	97.1	100.4	101.2
20.6	21.5	21.5	88.9	96.7	96.1	19.8	21.3	21.2	68.0	73.1	73.4	135.4	136.0	137.6
4.5	4.6	4.6	21.2	22.3	21.8	4.1	4.4	4.4	18.6	19.0	19.0	22.4	23.4	23.6
27.1	27.9	28.1	141.1	148.0	147.2	35.5	38.3	38.4	136.8	144.9	145.7	140.3	141.7	142.8
124.5	127.2	126.6	344.1	355.8	349.0	136.7	143.2	143.2	324.4	336.0	337.8	289.3	287.7	289.4
20.2	21.0	20.9	116.1	123.6	121.4	24.9	26.6	26.4	135.8	142.8	144.0	79.2	79.8	79.4
4.4	4.7	4.7	29.5	31.1	30.9	5.2	5.4	5.4	30.7	32.5	32.6	24.5	23.7	24.1
3.9	4.5	4.5	20.4	22.1	22.0	5.2	5.6	5.6	16.5	17.3	17.3	19.5	19.5	20.2
7.4	8.4	8.2	25.3	26.7	26.6	4.8	5.0	5.0	22.2	23.7	23.9	26.9	27.1	27.1
4.1	4.5	4.5	19.6	20.9	19.7	3.1	3.4	3.4	17.7	18.3	18.4	34.6	35.2	35.3
73.4	75.4	75.1	287.6	301.0	298.8	71.7	77.0	77.2	233.9	249.7	250.3	241.3	235.5	243.9
52.0	53.6	52.9	181.5	191.9	191.0	50.8	55.6	55.7	153.6	164.5	165.4	136.1	132.6	137.5
(*)	61.9	61.6	(*)	299.3	294.7	(*)	100.9	101.0	(*)	275.5	275.5	(*)	179.0	182.3
(*)	6.1	6.1	(*)	33.3	33.0	(*)	6.8	6.9	(*)	31.0	30.9	(*)	16.6	16.7
(*)	15.5	15.5	(*)	81.9	81.2	(*)	58.1	58.2	(*)	71.6	72.0	(*)	54.0	54.2
(*)	1.4	1.4	(*)	10.4	10.4	(*)	1.9	1.8	(*)	10.0	10.0	(*)	6.9	6.9
(*)	15.8	15.8	(*)	40.6	40.3	(*)	10.5	10.4	(*)	46.8	47.1	(*)	26.5	27.2
(*)	3.7	3.8	(*)	24.4	24.0	(*)	7.5	7.4	(*)	25.5	25.6	(*)	9.6	9.5
(*)	3.0	3.1	(*)	15.5	15.3	(*)	3.4	3.4	(*)	18.8	19.0	(*)	11.6	11.4
12.4	12.6	12.6	53.6	56.2	55.6	11.4	11.8	11.7	43.5	45.8	45.9	44.6	44.2	45.3
12.0	12.1	12.1	45.4	45.5	45.0	10.6	10.8	10.8	38.6	40.0	40.2	37.0	35.4	37.4
(*)	25.6	25.6	(*)	64.3	63.7	(*)	33.9	33.9	(*)	176.6	177.2	(*)	281.9	282.5
(*)	66.6	66.5	(*)	283.0	280.9	(*)	88.2	88.1	(*)	395.3	395.2	(*)	540.1	542.2
202.5	218.5	(*)	883.7	944.9	(*)	227.3	239.0	(*)	740.6	771.0	(*)	612.7	610.6	(*)
2.9	3.2	(*)	21.1	20.2	(*)	4.1	4.2	(*)	20.0	19.4	(*)	13.6	13.7	(*)
15.7	16.5	(*)	97.8	94.5	(*)	26.1	27.4	(*)	78.7	80.6	(*)	44.4	44.1	(*)
1.6	1.8	(*)	13.9	14.2	(*)	2.7	2.7	(*)	10.2	10.5	(*)	27.7	27.7	(*)
22.9	23.6	(*)	73.6	73.6	(*)	27.2	27.3	(*)	56.3	58.1	(*)	53.6	53.4	(*)
65.8	73.1	(*)	179.0	187.9	(*)	48.2	50.8	(*)	168.2	176.9	(*)	91.9	93.8	(*)
13.3	14.6	(*)	73.0	73.6	(*)	17.0	18.2	(*)	68.1	72.1	(*)	42.5	45.4	(*)
4.9	5.1	(*)	21.7	22.0	(*)	4.2	4.4	(*)	17.9	19.2	(*)	25.6	25.0	(*)
2.8	2.8	(*)	20.5	21.3	(*)	5.4	5.6	(*)	16.7	17.3	(*)	9.7	10.0	(*)
2.3	2.4	(*)	13.7	15.6	(*)	3.0	3.0	(*)	9.9	12.1	(*)	34.7	33.3	(*)
28.5	29.3	(*)	143.2	145.3	(*)	35.0	37.1	(*)	119.8	125.0	(*)	79.5	81.0	(*)
8.0	8.5	(*)	50.1	52.9	(*)	15.4	16.4	(*)	47.2	49.7	(*)	29.4	29.8	(*)
133.1	137.0	137.2	479.3	499.4	496.1	105.1	107.8	108.1	317.3	331.4	333.7	419.8	420.5	426.2
1.9	2.1	2.1	9.6	9.8	9.8	1.9	2.0	2.0	5.9	6.4	6.5	9.6	10.1	10.0
81.5	85.4	85.6	251.2	261.1	260.5	62.1	63.4	63.5	180.9	188.0	191.8	157.8	158.3	159.8
4.2	4.4	4.4	22.8	23.1	22.8	4.5	4.6	4.6	15.7	15.9	15.9	30.1	30.9	31.0
3.4	3.5	3.5	17.4	16.7	16.6	5.2	5.2	5.2	11.0	11.5	11.4	19.2	20.4	20.6
4.7	4.8	4.8	20.1	20.1	20.1	5.7	5.6	5.6	15.7	16.1	16.2	29.0	28.4	28.4



**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			Construction			Manufacturing		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
1 GEORGIA—Continued												
1 Savannah	84.9	84.2	83.8	(1)	(1)	(1)	5.0	4.5	4.5	16.7	16.2	16.2
2 HAWAII	390.8	403.5	407.6	(1)	(1)	(1)	22.3	22.2	23.0	23.4	23.0	22.9
2 Honolulu	322.9	333.5	336.8	(1)	(1)	(1)	18.5	17.6	18.3	16.9	16.3	16.0
4 IDAHO	324.4	331.4	329.1	3.8	4.0	4.0	14.4	15.2	14.7	55.8	57.8	56.7
5 Boise City	79.5	78.8	78.7	(1)	(1)	(1)	5.2	5.5	5.1	9.0	9.7	9.8
6 ILLINOIS	4,689.0	4,674.8	4,684.7	28.5	27.8	27.4	150.1	156.1	154.9	1,264.2	1,226.6	1,217.7
7 Bloomington-Normal	48.8	50.1	50.0	(3)	(3)	(3)	1.0	1.1	1.0	7.5	7.9	7.9
8 Champaign-Urbana-Rantoul	71.3	71.4	71.5	(3)	(3)	(3)	1.9	2.0	1.9	7.3	7.7	7.7
9 Chicago-Gary	3,411.6	(*)	(*)	4.8	(*)	(*)	127.2	(*)	(*)	946.3	(*)	(*)
10 Chicago SMSA	3,166.8	3,181.8	3,180.6	4.7	4.9	4.9	102.1	101.2	100.9	847.7	835.2	836.1
11 Davenport-Rock Island-Moline	162.9	164.7	158.6	(3)	(3)	(3)	6.6	6.8	6.5	50.2	51.0	45.0
12 Decatur	53.2	54.4	53.6	(3)	(3)	(3)	2.0	2.2	1.9	20.0	20.2	19.7
13 Kankakee	35.4	35.1	35.5	(3)	(3)	(3)	1.2	1.1	1.1	10.5	10.0	10.3
14 Peoria	150.7	151.7	151.2	(3)	(3)	(3)	6.3	6.3	5.9	53.0	51.5	51.2
15 Rockford	120.4	122.1	119.4	(3)	(3)	(3)	2.7	3.0	3.0	56.3	56.6	56.3
16 Springfield	83.1	87.1	86.9	(3)	(3)	(3)	2.5	2.6	2.5	7.1	7.0	7.6
17 INDIANA	2,206.9	2,207.8	2,195.4	10.0	10.2	10.3	87.4	101.2	93.0	746.1	708.8	703.7
18 Anderson	52.6	48.9	48.0	(1)	(1)	(1)	1.0	1.2	1.1	25.5	21.7	21.0
19 Evansville	127.7	126.6	125.6	2.8	2.8	2.7	7.2	7.1	6.9	39.0	37.0	36.8
20 Fort Wayne	181.5	172.2	(*)	(1)	(1)	(*)	7.2	7.3	(*)	63.2	52.1	(*)
21 Gary-Hammond-East Chicago	264.2	263.2	262.2	(1)	(1)	(1)	17.2	19.4	19.2	104.8	97.1	95.3
22 Indianapolis	523.6	535.5	(*)	(1)	(1)	(*)	19.2	22.4	(*)	134.2	128.4	(*)
23 Lafayette-West Lafayette	58.9	54.7	58.6	(1)	(1)	(1)	1.7	2.0	1.8	12.8	11.7	12.1
24 Muncie	50.1	50.3	50.3	(1)	(1)	(1)	1.6	1.7	1.6	14.7	14.2	14.1
25 South Bend	115.3	115.5	115.0	(1)	(1)	(1)	4.7	5.0	4.9	34.8	33.4	33.2
26 Terre Haute	66.6	67.0	66.3	1.3	1.4	1.4	2.8	3.9	3.5	17.7	17.1	16.5
27 IOWA	1,101.5	1,118.6	1,117.7	2.0	2.0	2.0	45.4	47.9	46.1	257.5	258.3	256.3
28 Cedar Rapids	83.8	86.9	86.5	(1)	(1)	(1)	3.8	4.1	4.0	29.1	29.1	29.0
29 Des Moines	179.5	183.4	181.5	(1)	(1)	(1)	6.9	7.3	6.7	27.1	27.5	26.9
30 Dubuque	44.4	45.3	45.1	(1)	(1)	(1)	1.5	1.5	1.5	16.8	17.3	17.1
31 Sioux City	49.4	49.2	49.2	(1)	(1)	(1)	2.1	2.2	2.2	9.7	9.0	9.0
32 Waterloo-Cedar Falls	66.0	69.4	69.5	(1)	(1)	(1)	2.6	3.2	3.1	22.8	25.4	25.2
33 KANSAS	920.1	947.7	943.2	12.8	14.2	13.6	38.6	45.9	41.9	196.0	199.7	197.7
34 Lawrence	27.9	28.1	28.8	(3)	(3)	(3)	1.0	1.3	1.3	4.6	4.7	4.7
35 Topeka	84.8	86.3	86.3	.2	.2	.2	2.7	3.5	3.3	11.8	10.9	10.8
36 Wichita	197.0	209.0	207.5	2.1	2.6	2.4	8.0	9.6	9.0	63.3	69.0	68.1
37 KENTUCKY	1,207.8	1,229.8	1,216.8	52.0	53.9	53.5	55.8	60.3	54.9	297.6	288.9	282.8
38 Lexington-Fayette	146.2	150.0	149.4	(1)	(1)	(1)	6.9	7.8	7.8	31.9	31.4	30.7
39 Louisville	394.3	391.3	386.2	(1)	(1)	(1)	16.2	15.9	15.9	110.8	104.4	99.8
40 Owensboro	29.7	29.6	29.5	.7	.7	.7	1.8	1.9	1.8	6.8	6.6	6.6
41 LOUISIANA	1,476.2	1,511.8	1,508.3	74.8	76.6	77.4	118.0	124.2	122.8	210.9	211.0	209.1
42 Alexandria	50.2	50.3	50.3	(1)	(1)	(1)	2.8	2.5	2.5	6.1	5.8	6.0
43 Baton Rouge	188.8	189.3	190.4	.8	.8	.8	21.7	20.7	20.6	25.8	26.2	26.0
44 Lafayette	69.5	74.5	74.6	12.5	12.6	12.6	4.9	6.8	6.8	3.2	3.5	3.5
45 Lake Charles	61.0	62.8	62.5	1.8	1.8	1.8	7.4	8.5	8.0	12.5	11.2	11.4
46 Monroe	49.4	49.2	48.8	.5	.4	.4	3.7	3.7	3.7	8.7	8.0	7.9
47 New Orleans	484.4	494.9	493.7	15.8	16.3	16.3	29.6	30.9	30.3	53.4	53.4	53.2
48 Shreveport	142.3	145.0	144.6	4.7	4.7	4.7	9.7	9.6	9.0	28.6	28.0	27.7
49 MAINE	397.5	406.7	(*)	(1)	(1)	(*)	14.5	16.9	(*)	112.4	113.7	(*)
50 Lewiston-Auburn	34.0	35.8	(*)	(1)	(1)	(*)	1.3	1.5	(*)	12.0	12.3	(*)
51 Portland	86.5	91.2	(*)	(1)	(1)	(*)	3.3	3.5	(*)	17.4	18.2	(*)
52 MARYLAND	1,572.8	1,599.2	1,600.4	(1)	(1)	(1)	88.0	96.8	94.1	242.2	241.7	240.8
53 Baltimore	874.4	884.6	884.3	(1)	(1)	(1)	43.9	47.5	46.2	163.3	161.4	160.2
54 MASSACHUSETTS	2,514.1	2,578.6	(*)	(1)	(1)	(*)	61.7	75.7	(*)	663.5	667.1	(*)
55 Boston	1,370.1	1,411.8	(*)	(1)	(1)	(*)	32.1	36.7	(*)	284.9	283.3	(*)
56 Brockton	55.7	57.6	(*)	(1)	(1)	(*)	1.4	1.7	(*)	12.7	13.1	(*)
57 Fall River	55.6	57.2	(*)	(1)	(1)	(*)	1.2	1.7	(*)	21.1	20.9	(*)
58 Lawrence-Haverhill	104.8	105.9	(*)	(1)	(1)	(*)	2.2	2.4	(*)	39.8	39.6	(*)
59 Lowell	71.7	76.1	(*)	(1)	(1)	(*)	2.0	2.7	(*)	24.9	27.2	(*)
60 New Bedford	64.9	65.5	(*)	(1)	(1)	(*)	1.2	1.4	(*)	27.2	26.4	(*)
61 Springfield-Chicopee-Holyoke	232.1	235.3	(*)	(1)	(1)	(*)	4.5	5.9	(*)	67.8	68.9	(*)

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			
FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	
8.8	8.7	8.5	19.4	19.5	19.6	3.9	4.1	4.1	14.8	15.1	15.3	16.3	16.1	15.8	1
29.0	30.8	30.9	102.4	106.8	106.8	29.8	30.7	30.9	95.5	103.8	105.1	88.4	86.2	88.0	2
23.8	25.6	25.7	85.4	89.4	89.5	25.9	26.6	26.8	77.2	84.6	85.6	75.2	73.4	74.9	3
19.8	19.7	19.8	81.2	83.5	82.2	22.7	23.0	22.9	57.9	58.7	58.7	68.8	69.5	70.1	4
5.0	5.1	5.2	21.0	19.9	19.7	9.0	7.9	7.8	13.7	13.6	13.7	16.6	17.1	17.4	5
284.2	286.8	290.0	1,070.0	1,063.1	1,052.6	282.4	294.2	294.5	870.7	870.4	886.8	738.9	749.8	760.8	6
3.0	2.9	3.0	10.7	10.9	10.8	7.6	7.5	7.6	7.7	8.1	8.1	11.3	11.7	11.6	7
2.4	2.7	2.7	17.2	17.6	17.8	2.2	2.3	2.2	9.9	10.1	10.1	30.4	29.0	29.1	8
212.8	(*)	(*)	750.2	(*)	(*)	216.4	(*)	(*)	659.6	(*)	(*)	494.3	(*)	(*)	9
196.3	195.9	196.3	735.9	732.6	726.8	215.3	219.5	219.2	627.0	642.6	643.1	437.6	449.9	453.3	10
8.1	7.9	7.8	39.1	40.2	40.2	7.0	7.0	7.0	24.8	24.8	24.9	27.1	27.0	27.2	11
4.9	5.0	5.1	10.6	10.8	10.6	2.6	2.8	2.8	8.3	8.4	8.4	4.8	5.0	5.1	12
1.4	1.6	1.6	7.5	8.1	8.0	1.1	1.1	1.1	6.5	6.1	6.3	7.2	7.1	7.1	13
8.0	8.4	8.4	34.5	34.9	35.2	6.9	7.3	7.2	24.7	26.2	26.1	17.3	17.1	17.2	14
5.2	5.2	5.1	23.9	24.7	24.0	4.1	4.2	4.2	16.0	16.3	16.3	12.2	12.1	10.5	15
5.4	5.5	5.5	18.2	19.4	19.0	6.6	6.7	6.6	15.5	16.3	16.3	27.8	29.6	29.4	16
109.4	109.0	108.4	483.6	488.5	483.8	99.3	102.4	102.2	319.4	333.8	336.4	351.6	353.8	357.6	17
1.5	1.5	1.5	10.4	10.3	10.0	1.6	1.7	1.7	6.9	6.8	7.0	5.7	5.7	5.7	18
6.7	6.8	6.8	31.2	31.9	31.4	4.4	4.5	4.4	23.7	23.9	23.9	12.7	12.6	12.7	19
11.4	11.4	(*)	43.5	44.4	(*)	10.3	10.5	(*)	27.8	28.5	(*)	18.1	18.0	(*)	20
15.3	15.6	15.7	52.1	55.1	54.6	9.5	9.6	9.6	34.1	34.2	35.0	31.2	32.2	32.8	21
31.4	32.3	(*)	129.2	136.1	(*)	36.8	38.3	(*)	85.6	89.7	(*)	87.2	88.5	(*)	22
1.6	1.6	1.6	11.7	11.7	11.4	2.8	2.5	2.5	8.8	9.1	9.0	49.5	16.1	20.2	23
2.1	2.0	2.0	11.6	12.0	11.8	1.5	1.6	1.6	7.4	7.8	7.8	11.2	11.0	11.4	24
5.4	5.3	5.3	28.5	29.3	29.0	5.3	5.4	5.4	23.8	24.3	24.3	12.8	12.8	12.9	25
4.1	4.0	4.0	16.9	16.6	16.7	2.1	2.2	2.2	9.3	9.5	9.5	12.4	12.3	12.5	26
57.1	58.7	58.5	273.9	284.4	281.8	55.3	57.8	57.9	199.6	203.9	205.2	210.8	205.7	209.9	27
4.0	4.0	4.1	18.0	19.9	19.7	4.2	4.5	4.5	15.1	15.4	15.4	9.6	9.8	9.8	28
11.6	12.1	11.9	47.0	49.5	48.7	20.0	20.1	20.2	38.0	38.4	38.4	28.9	28.7	28.6	29
1.7	1.7	1.7	8.9	9.1	9.0	1.2	1.2	1.2	10.1	10.3	10.3	4.2	4.2	4.3	30
4.1	4.0	4.0	12.9	13.1	13.1	2.8	2.9	2.9	10.9	11.3	11.3	6.9	6.7	6.7	31
2.6	2.8	2.8	13.8	13.8	13.7	2.0	2.1	2.1	10.7	11.1	11.1	11.4	11.1	11.5	32
64.1	65.1	64.4	218.1	227.1	224.1	44.7	46.1	46.0	159.6	167.0	168.2	186.2	182.6	187.3	33
1.4	1.4	1.4	5.7	5.6	5.6	.8	.9	.9	3.4	3.5	3.7	11.0	10.7	11.2	34
7.4	7.4	7.4	16.5	19.2	18.8	5.8	6.0	6.0	16.3	16.9	17.0	22.1	22.2	22.8	35
10.1	11.0	11.0	43.3	44.9	44.4	8.9	9.2	9.2	37.1	38.3	38.9	24.2	24.4	24.5	36
68.0	69.3	66.6	259.6	270.2	266.9	49.3	50.4	50.8	196.6	205.2	205.0	228.9	231.6	234.3	37
7.1	7.5	7.6	32.2	34.2	32.1	7.0	7.4	7.4	27.3	28.1	28.1	33.8	33.6	35.7	38
24.6	24.7	24.7	87.9	87.0	85.5	22.3	22.9	23.0	72.5	74.8	75.6	60.0	61.6	61.8	39
2.2	2.3	2.3	7.1	6.6	6.5	1.1	1.2	1.2	5.4	5.6	5.7	4.6	4.7	4.7	40
114.5	114.8	113.7	347.4	359.8	357.0	72.1	74.3	74.7	249.3	251.1	251.7	289.2	300.0	301.9	41
2.5	2.5	2.5	10.9	11.0	10.9	2.7	2.9	2.8	10.0	10.3	10.2	15.2	15.3	15.4	42
9.6	10.1	10.2	41.7	44.2	44.9	10.8	10.9	11.0	30.2	30.2	30.2	48.2	46.2	46.7	43
4.8	5.1	5.2	18.5	20.1	20.1	2.2	2.4	2.4	13.7	13.9	13.9	9.7	10.1	10.1	44
3.4	3.8	3.6	13.7	14.3	14.3	2.5	2.6	2.6	9.1	9.2	9.3	10.6	11.4	11.5	45
2.5	2.5	2.5	13.0	13.2	13.0	3.5	3.6	3.6	7.5	7.9	7.8	10.0	9.9	9.9	46
48.8	50.1	49.8	122.5	124.6	124.3	29.1	30.2	30.4	105.2	105.5	105.4	80.0	83.9	84.0	47
9.9	10.4	10.5	33.9	35.1	35.0	6.9	7.2	7.4	24.6	25.1	25.1	24.0	24.9	25.2	48
17.7	18.6	(*)	84.1	86.5	(*)	15.8	16.4	(*)	69.6	72.6	(*)	83.4	82.0	(*)	49
1.1	1.1	(*)	7.7	8.3	(*)	1.5	1.6	(*)	7.0	7.7	(*)	3.4	3.3	(*)	50
5.1	5.4	(*)	23.4	25.8	(*)	6.8	7.3	(*)	17.5	18.4	(*)	13.0	12.6	(*)	51
85.3	87.1	86.1	369.0	378.3	374.3	86.1	88.7	89.1	319.9	329.8	333.2	382.3	376.8	382.8	52
60.7	62.0	61.2	188.7	192.5	190.7	52.4	54.0	54.4	171.8	174.6	177.8	193.6	192.6	193.8	53
115.9	116.3	(*)	550.0	569.6	(*)	149.9	154.8	(*)	568.4	597.4	(*)	404.7	397.7	(*)	54
69.1	71.6	(*)	293.4	310.5	(*)	102.8	108.0	(*)	377.9	394.3	(*)	203.9	207.4	(*)	55
4.4	4.4	(*)	14.7	15.0	(*)	2.2	2.2	(*)	8.8	9.7	(*)	11.5	11.5	(*)	56
1.9	1.9	(*)	12.0	12.7	(*)	2.6	2.6	(*)	9.1	9.6	(*)	7.7	7.8	(*)	57
4.3	4.5	(*)	21.6	22.3	(*)	3.6	3.9	(*)	15.3	16.0	(*)	18.0	17.2	(*)	58
3.5	3.8	(*)	15.5	16.1	(*)	2.2	2.2	(*)	11.0	11.6	(*)	12.6	12.5	(*)	59
2.3	2.4	(*)	11.8	12.2	(*)	1.9	2.0	(*)	8.6	8.6	(*)	11.9	12.5	(*)	60
9.7	9.6	(*)	48.9	50.3	(*)	12.7	13.1	(*)	44.7	46.4	(*)	43.8	41.1	(*)	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			Construction			Manufacturing		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>MASSACHUSETTS—Continued</b>												
1 Worcester	160.5	165.6	(*)	(1)	(1)	(*)	3.7	4.1	(*)	48.0	48.5	(*)
<b>MICHIGAN</b>												
2 Ann Arbor	(*)	3,506.1	3,495.5	(*)	13.0	13.0	(*)	117.4	112.4	(*)	1,055.5	1,038.7
3 Battle Creek	(*)	136.8	139.7	(*)	(1)	(1)	(*)	2.4	2.4	(*)	42.5	42.8
4 Bay City	(*)	64.9	63.9	(*)	(1)	(1)	(*)	1.6	1.6	(*)	21.8	21.0
5 Detroit	(*)	34.2	33.8	(*)	(1)	(1)	(*)	1.2	1.1	(*)	10.1	9.7
6 Flint	(*)	1,724.3	1,710.9	(*)	1.2	1.2	(*)	53.3	51.8	(*)	526.3	516.8
7 Grand Rapids	(*)	193.1	192.7	(*)	(1)	(1)	(*)	5.5	5.4	(*)	77.7	76.9
8 Jackson	(*)	264.8	266.5	(*)	(1)	(1)	(*)	12.0	11.9	(*)	92.5	91.8
9 Kalamazoo-Portage	(*)	53.2	52.6	(*)	(1)	(1)	(*)	1.7	1.5	(*)	16.0	15.6
10 Lansing-East Lansing	(*)	110.0	110.6	(*)	(1)	(1)	(*)	4.0	4.3	(*)	34.4	33.8
11 Muskegon-Norton Shores-Musk. Hgts.	(*)	194.4	195.2	(*)	(1)	(1)	(*)	5.3	5.1	(*)	42.9	42.0
12 Saginaw	(*)	60.1	60.5	(*)	(1)	(1)	(*)	2.6	2.4	(*)	21.3	21.6
13	(*)	88.0	87.2	(*)	(1)	(1)	(*)	2.4	2.3	(*)	32.7	32.0
<b>MINNESOTA</b>												
14 Duluth-Superior	1,702.1	(*)	(*)	15.9	(*)	(*)	62.9	(*)	(*)	369.2	(*)	(*)
15 Minneapolis-St. Paul	60.0	(*)	(*)	(1)	(*)	(*)	2.1	(*)	(*)	8.5	(*)	(*)
16	1,043.4	(*)	(*)	(1)	(*)	(*)	36.6	(*)	(*)	242.1	(*)	(*)
<b>MISSISSIPPI</b>												
17 Jackson	820.3	835.9	835.2	8.6	9.7	9.8	41.5	42.7	42.5	234.2	229.8	228.1
18	142.5	147.2	146.1	1.1	1.3	1.3	7.1	7.0	7.1	19.0	19.3	18.0
<b>MISSOURI</b>												
19 Kansas City	1,942.0	1,961.4	1,959.7	7.4	7.5	7.2	71.8	78.9	77.9	460.2	442.4	443.2
20 St. Joseph	621.5	625.7	621.7	.5	.5	.5	23.5	25.6	22.1	124.9	126.0	125.5
21 St. Louis	37.2	36.6	36.6	(3)	(3)	(3)	1.5	1.9	1.8	9.7	8.9	8.9
22 Springfield	984.7	972.6	970.1	2.9	3.0	3.0	36.0	43.0	38.6	260.2	241.3	241.3
23	82.8	83.6	83.4	(3)	(3)	(3)	3.2	3.6	3.5	18.5	18.6	18.2
<b>MONTANA</b>												
24 Billings	268.5	277.8	276.8	7.0	7.6	7.3	10.8	11.7	11.5	27.1	25.9	25.7
25 Great Falls	45.1	48.1	48.7	(1)	(1)	(1)	2.0	2.8	2.8	4.2	4.7	4.9
26	28.9	28.9	28.8	(1)	(1)	(1)	1.3	1.1	1.1	1.6	1.7	1.7
<b>NEBRASKA</b>												
27 Lincoln	606.6	616.9	617.7	1.4	1.4	1.5	26.2	27.7	27.5	97.1	99.5	98.9
28 Omaha	98.2	99.2	101.0	(3)	(3)	(3)	4.0	4.1	4.1	14.0	13.9	13.8
29	256.6	260.6	261.2	(3)	(3)	(3)	9.7	9.6	9.5	36.8	37.3	37.0
<b>NEVADA</b>												
30 Las Vegas	365.1	388.6	391.1	4.0	4.9	5.0	25.2	25.1	25.2	18.8	20.3	20.2
31 Reno	202.4	215.5	216.5	.3	.6	.6	14.7	15.4	15.3	6.8	7.3	7.3
32	107.1	113.9	115.2	.6	.8	.8	7.1	6.2	6.2	8.0	8.6	8.6
<b>NEW HAMPSHIRE</b>												
33 Manchester	362.9	(*)	(*)	.3	(*)	(*)	16.5	(*)	(*)	111.8	(*)	(*)
34 Nashua	70.4	(*)	(*)	(3)	(*)	(*)	2.7	(*)	(*)	18.9	(*)	(*)
35	55.9	(*)	(*)	(3)	(*)	(*)	2.5	(*)	(*)	25.6	(*)	(*)
<b>NEW JERSEY</b>												
36 Atlantic City	2,944.1	2,993.9	(*)	2.4	2.4	(*)	94.5	102.9	(*)	790.9	783.6	(*)
37 Camden	69.4	83.7	(*)	-	-	(*)	3.5	5.8	(*)	8.1	7.8	(*)
38 Hackensack	322.5	329.0	(*)	.1	.1	(*)	11.0	11.8	(*)	69.9	71.2	(*)
39 Jersey City	383.9	387.6	(*)	(1)	(1)	(*)	11.0	12.1	(*)	110.3	108.7	(*)
40 Long Branch-Asbury Park	230.6	227.5	(*)	-	-	(*)	3.5	3.9	(*)	70.1	67.6	(*)
41 New Bruns.-Perth Amboy-Sayreville	148.8	151.2	(*)	(1)	(1)	(*)	5.2	4.3	(*)	23.3	23.8	(*)
42 Newark	278.0	282.9	(*)	(1)	(1)	(*)	9.2	9.3	(*)	90.0	88.0	(*)
43 Paterson-Clifton-Passaic	923.3	931.9	(*)	.9	.9	(*)	28.5	31.3	(*)	254.8	254.7	(*)
44 Trenton	194.5	194.6	(*)	(1)	(1)	(*)	4.9	6.0	(*)	69.5	68.5	(*)
45 Vineland-Millville-Bridgeton	162.8	164.1	(*)	(1)	(1)	(*)	2.3	2.6	(*)	37.4	35.1	(*)
46	56.6	58.3	(*)	(1)	(1)	(*)	1.2	1.4	(*)	19.4	19.2	(*)
<b>NEW MEXICO</b>												
47 Albuquerque	445.9	462.9	466.2	25.4	27.5	27.6	32.5	34.2	34.0	33.1	35.1	35.1
48	181.2	188.3	190.2	(1)	(1)	(1)	14.6	15.1	15.2	16.8	18.5	18.6
<b>NEW YORK</b>												
49 Albany-Schenectady-Troy	7,010.5	7,087.9	(*)	4.9	5.5	(*)	165.4	177.8	(*)	1,482.1	1,465.5	(*)
50 Binghamton	330.1	334.0	(*)	(1)	(1)	(*)	8.4	9.9	(*)	60.6	58.8	(*)
51 Buffalo	116.0	116.4	(*)	(1)	(1)	(*)	3.0	3.0	(*)	42.6	42.4	(*)
52 Elmira	502.4	506.3	(*)	(1)	(1)	(*)	13.1	17.3	(*)	146.1	138.7	(*)
53 Monroe County	37.0	36.9	(*)	(1)	(1)	(*)	.9	.9	(*)	12.0	11.8	(*)
54 Nassau-Suffolk	328.5	332.9	(*)	(1)	(1)	(*)	7.8	8.2	(*)	132.8	133.8	(*)
55 New York-Northeastern New Jersey	865.0	885.1	(*)	(1)	(1)	(*)	28.7	32.8	(*)	162.5	165.6	(*)
56 New York and Nassau-Suffolk	(*)	6,611.1	(*)	(*)	3.0	(*)	(*)	181.2	(*)	(*)	1,346.7	(*)
57 New York SMSA	4,516.9	4,578.7	(*)	1.5	1.7	(*)	105.8	114.4	(*)	771.8	758.8	(*)
58 Poughkeepsie	3,651.9	3,693.6	(*)	1.3	1.5	(*)	77.0	81.6	(*)	609.4	593.2	(*)
59 Rochester	3,228.3	3,253.1	(*)	1.1	1.2	(*)	63.5	66.7	(*)	517.7	498.1	(*)
60	94.5	96.5	(*)	(1)	(1)	(*)	2.1	2.5	(*)	31.6	32.5	(*)
61	403.4	409.7	(*)	(1)	(1)	(*)	9.4	10.1	(*)	153.7	155.6	(*)

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	
6.8	7.0	(*)	35.2	38.2	(*)	8.5	8.8	(*)	31.6	32.5	(*)	26.7	26.5	(*)	1
(*)	156.1	156.0	(*)	748.3	737.2	(*)	155.5	155.3	(*)	630.5	637.3	(*)	629.7	645.8	2
(*)	3.6	3.6	(*)	19.7	19.5	(*)	3.6	3.6	(*)	20.7	21.0	(*)	44.3	46.8	3
(*)	2.3	2.3	(*)	11.3	11.3	(*)	3.6	3.6	(*)	11.8	11.6	(*)	12.5	12.5	4
(*)	1.9	2.0	(*)	8.0	7.9	(*)	1.2	1.2	(*)	6.9	6.8	(*)	4.9	5.1	5
(*)	84.3	84.3	(*)	363.9	358.3	(*)	89.7	89.5	(*)	344.2	345.5	(*)	261.3	263.5	6
(*)	7.0	7.0	(*)	40.5	39.8	(*)	5.9	5.9	(*)	30.0	30.2	(*)	26.5	27.5	7
(*)	10.8	10.7	(*)	58.6	58.7	(*)	10.2	10.2	(*)	48.7	50.5	(*)	31.8	32.5	8
(*)	5.1	5.1	(*)	10.9	10.7	(*)	1.5	1.5	(*)	9.5	9.5	(*)	8.5	8.7	9
(*)	4.3	4.3	(*)	21.2	21.2	(*)	3.5	3.5	(*)	22.1	22.2	(*)	20.5	21.3	10
(*)	5.7	5.6	(*)	35.8	35.5	(*)	9.2	9.1	(*)	26.2	26.6	(*)	69.3	71.3	11
(*)	3.1	3.1	(*)	11.2	11.0	(*)	1.8	1.8	(*)	9.6	9.9	(*)	10.4	10.6	12
(*)	4.8	4.8	(*)	17.4	17.3	(*)	3.9	3.9	(*)	14.7	14.6	(*)	12.1	12.3	13
95.9	(*)	(*)	424.1	(*)	(*)	89.1	(*)	(*)	343.5	(*)	(*)	301.5	(*)	(*)	14
5.3	(*)	(*)	16.4	(*)	(*)	2.2	(*)	(*)	12.0	(*)	(*)	13.5	(*)	(*)	15
62.5	(*)	(*)	258.6	(*)	(*)	66.0	(*)	(*)	219.8	(*)	(*)	157.8	(*)	(*)	16
39.6	41.6	41.5	157.9	162.8	162.2	31.8	33.0	33.1	114.3	119.3	119.7	192.4	197.1	198.2	17
9.4	10.2	10.1	34.5	35.3	35.2	10.9	11.5	11.5	27.0	29.2	28.3	33.6	34.4	34.5	18
138.5	141.0	141.4	456.8	470.2	465.8	105.3	106.0	106.0	362.2	376.7	376.7	339.8	338.7	341.5	19
54.5	52.6	52.4	159.2	159.7	157.0	43.2	44.2	44.2	122.2	125.2	125.8	93.5	91.9	94.2	20
2.1	2.1	2.1	9.2	9.2	9.1	1.9	1.8	1.8	6.7	6.8	6.8	6.1	5.9	6.1	21
70.1	68.6	70.5	225.5	221.5	218.9	55.2	56.3	56.1	198.7	200.1	201.2	136.1	138.8	140.5	22
6.3	6.5	6.5	22.7	22.6	22.9	3.3	3.3	3.3	17.3	17.5	17.6	11.5	11.5	11.8	23
21.8	22.7	22.6	69.1	72.3	71.9	12.2	12.7	12.7	51.8	53.9	54.2	68.6	71.1	71.0	24
4.5	4.9	4.9	15.4	16.2	16.2	2.2	2.3	2.3	9.2	9.7	9.9	7.5	7.5	7.8	25
1.9	1.9	1.9	9.4	9.7	9.6	2.1	2.1	2.1	6.6	6.6	6.6	5.9	5.8	5.8	26
44.4	45.6	45.5	157.5	163.3	162.1	40.3	41.5	41.5	110.3	114.5	114.7	129.3	123.4	126.0	27
6.8	7.1	7.0	21.2	22.5	22.7	7.1	7.3	7.4	16.3	16.8	16.7	28.8	27.5	29.3	28
23.7	24.4	24.4	67.1	68.3	68.2	23.7	24.8	24.7	56.0	57.6	58.5	39.6	38.6	38.9	29
22.1	24.0	24.1	72.8	79.9	79.5	16.0	17.3	17.4	152.1	162.1	163.1	54.1	55.0	56.6	30
12.3	13.0	13.0	41.8	44.6	44.7	8.9	9.7	9.7	93.4	99.8	100.0	24.2	25.1	25.9	31
7.4	8.4	8.5	22.5	25.8	25.4	5.7	6.1	6.2	40.5	42.7	43.5	15.3	15.3	16.0	32
13.6	(*)	(*)	80.5	(*)	(*)	17.8	(*)	(*)	65.2	(*)	(*)	57.2	(*)	(*)	33
4.7	(*)	(*)	17.5	(*)	(*)	5.3	(*)	(*)	13.0	(*)	(*)	8.3	(*)	(*)	34
1.6	(*)	(*)	11.0	(*)	(*)	1.8	(*)	(*)	7.7	(*)	(*)	5.7	(*)	(*)	35
189.9	188.9	(*)	655.2	666.8	(*)	149.0	152.5	(*)	543.4	572.3	(*)	518.8	524.5	(*)	36
3.5	4.0	(*)	16.8	17.9	(*)	4.4	4.5	(*)	17.3	27.5	(*)	15.8	16.2	(*)	37
15.2	15.5	(*)	82.5	83.9	(*)	15.3	15.9	(*)	65.0	66.5	(*)	63.5	64.1	(*)	38
20.4	19.7	(*)	111.4	111.7	(*)	15.3	16.0	(*)	72.4	75.9	(*)	43.1	43.5	(*)	39
27.0	25.9	(*)	45.4	46.5	(*)	8.5	9.0	(*)	30.4	29.7	(*)	45.7	44.9	(*)	40
6.2	6.4	(*)	38.6	40.3	(*)	7.1	7.2	(*)	35.4	36.9	(*)	33.0	32.3	(*)	41
20.8	23.3	(*)	65.6	67.2	(*)	9.5	9.8	(*)	37.2	39.0	(*)	45.7	46.3	(*)	42
71.4	69.2	(*)	175.2	180.4	(*)	61.2	61.8	(*)	182.0	188.9	(*)	149.3	144.7	(*)	43
7.8	7.2	(*)	41.6	42.8	(*)	9.5	9.6	(*)	32.3	33.3	(*)	28.9	27.2	(*)	44
5.9	5.8	(*)	25.3	26.1	(*)	6.7	6.8	(*)	39.0	39.6	(*)	46.2	48.1	(*)	45
3.0	3.1	(*)	9.4	9.7	(*)	2.4	2.4	(*)	8.7	9.4	(*)	12.5	13.1	(*)	46
27.4	28.4	28.3	101.0	105.6	104.3	20.4	21.6	21.4	85.4	88.5	89.7	120.7	122.0	125.8	47
11.0	11.8	11.7	46.0	47.6	47.1	10.3	11.1	11.1	41.3	43.0	43.4	41.2	41.2	43.1	48
428.4	430.0	(*)	1,431.1	1,454.0	(*)	592.0	605.4	(*)	1,589.5	1,639.8	(*)	1,317.0	1,309.9	(*)	49
15.3	15.9	(*)	67.7	68.7	(*)	14.8	15.4	(*)	65.7	69.0	(*)	97.4	96.2	(*)	50
4.6	4.6	(*)	21.4	21.4	(*)	3.6	4.0	(*)	17.5	18.0	(*)	23.3	23.0	(*)	51
27.3	28.4	(*)	112.7	115.2	(*)	21.7	22.1	(*)	94.3	97.0	(*)	87.3	87.6	(*)	52
1.4	1.4	(*)	7.9	8.0	(*)	1.0	1.0	(*)	6.6	6.9	(*)	7.1	6.8	(*)	53
10.1	10.0	(*)	59.0	60.8	(*)	14.3	14.7	(*)	63.8	65.3	(*)	40.7	40.1	(*)	54
37.4	36.7	(*)	225.0	232.5	(*)	49.9	50.5	(*)	184.3	190.6	(*)	177.3	176.4	(*)	55
(*)	463.2	(*)	(*)	1,395.5	(*)	(*)	608.1	(*)	(*)	1,533.6	(*)	(*)	1,079.8	(*)	56
317.6	317.3	(*)	932.7	945.3	(*)	491.0	501.9	(*)	1,122.2	1,165.5	(*)	774.3	773.7	(*)	57
280.3	280.6	(*)	707.7	712.8	(*)	441.1	451.4	(*)	938.1	975.2	(*)	597.0	597.3	(*)	58
258.2	257.8	(*)	611.5	611.4	(*)	421.2	431.4	(*)	840.3	872.1	(*)	514.9	514.5	(*)	59
2.7	2.8	(*)	15.4	15.9	(*)	2.5	2.6	(*)	16.8	16.7	(*)	23.3	23.6	(*)	60
12.9	12.7	(*)	75.1	77.5	(*)	15.9	16.3	(*)	75.0	76.7	(*)	61.5	60.9	(*)	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			Construction			Manufacturing		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>NEW YORK—Continued</b>												
1 Rockland County <sup>10</sup> .....	78.0	80.4	(*)	(1)	(1)	(*)	1.7	2.0	(*)	15.8	15.9	(*)
2 Syracuse .....	259.4	257.1	(*)	(1)	(1)	(*)	8.6	8.5	(*)	61.2	59.1	(*)
3 Utica-Rome .....	113.2	115.3	(*)	(1)	(1)	(*)	1.8	2.4	(*)	31.9	32.3	(*)
4 Westchester County <sup>10</sup> .....	333.6	347.7	(*)	(1)	(1)	(*)	11.2	12.4	(*)	74.5	77.8	(*)
<b>NORTH CAROLINA</b> .....	2,326.4	2,395.2	2,391.1	4.9	4.9	4.9	115.2	117.9	116.2	820.1	823.2	821.2
6 Asheville .....	68.6	70.2	70.1	(1)	(1)	(1)	3.1	2.8	2.7	21.9	22.0	21.9
7 Charlotte-Gastonia .....	321.6	326.5	326.4	(1)	(1)	(1)	16.8	17.7	17.5	88.7	89.0	89.0
8 Greensboro—Winston-Salem—High Pt. .....	383.1	391.4	390.0	(1)	(1)	(1)	16.3	15.9	15.3	149.8	152.8	151.8
9 Raleigh-Durham .....	259.6	271.5	272.4	(1)	(1)	(1)	13.6	14.9	14.7	42.1	44.0	44.1
<b>NORTH DAKOTA</b> .....	230.4	240.2	239.4	4.7	5.9	6.1	12.8	14.4	13.9	16.0	16.5	16.5
11 Fargo-Moorhead .....	60.6	62.5	62.8	(3)	(3)	(3)	3.5	3.5	3.4	5.0	5.0	5.0
<b>OHIO</b> .....	4,391.6	4,413.1	4,402.6	31.2	31.4	30.9	144.5	159.2	153.3	1,386.9	1,335.5	1,324.6
13 Akron .....	266.7	267.3	265.7	(*)	(*)	(*)	7.0	7.7	7.4	85.6	82.8	81.3
14 Canton .....	156.2	159.5	159.4	(*)	(*)	(*)	4.8	5.7	5.4	58.0	56.7	57.2
15 Cincinnati .....	590.4	600.2	599.1	(*)	(*)	(*)	22.3	25.3	24.4	170.2	168.6	166.8
16 Cleveland .....	902.0	908.2	907.8	(*)	(*)	(*)	28.4	30.6	29.9	277.5	270.4	270.0
17 Columbus .....	491.9	503.5	502.1	(*)	(*)	(*)	16.5	18.2	17.9	100.5	100.0	99.5
18 Dayton .....	361.4	359.4	359.3	(*)	(*)	(*)	10.3	12.3	11.6	113.1	104.7	103.2
19 Toledo .....	302.3	300.1	298.5	(*)	(*)	(*)	9.5	10.6	10.2	90.2	83.9	82.6
20 Youngstown-Warren .....	208.9	210.8	209.2	(*)	(*)	(*)	5.6	6.1	5.7	79.4	76.7	75.3
<b>OKLAHOMA</b> .....	1,049.8	1,104.3	1,107.6	58.0	63.4	63.9	51.3	56.1	55.1	177.9	188.5	188.5
22 Oklahoma City .....	365.7	394.8	397.4	13.3	14.4	14.4	17.4	19.5	19.2	48.3	56.8	57.2
23 Tulsa .....	277.9	287.9	288.4	17.4	18.8	18.9	14.4	15.1	15.2	58.7	61.2	61.1
<b>OREGON</b> .....	1,011.7	1,042.7	1,047.9	2.0	2.0	2.1	44.9	48.6	50.0	214.1	220.9	220.6
25 Eugene-Springfield .....	102.3	102.0	101.8	(1)	(1)	(1)	5.1	5.0	4.9	19.7	19.8	19.9
26 Jackson County .....	-	-	-	-	-	-	-	-	-	7.8	(*)	(*)
27 Portland .....	533.9	552.6	556.4	(1)	(1)	(1)	24.4	26.4	27.8	108.4	115.4	115.9
28 Salem <sup>2</sup> .....	85.7	88.4	(*)	(1)	(1)	(*)	4.4	4.8	(*)	12.9	12.2	(*)
<b>PENNSYLVANIA</b> .....	4,694.5	4,789.5	(*)	51.6	50.5	(*)	161.5	189.7	(*)	1,375.9	1,369.8	(*)
29 Allentown-Bethlehem-Easton .....	258.1	263.2	263.1	(1)	(1)	(1)	7.9	9.2	8.9	109.6	110.9	111.3
31 Altoona .....	50.4	54.0	53.3	(1)	(1)	(1)	2.1	3.0	2.9	12.5	13.7	13.5
32 Delaware Valley <sup>11</sup> .....	1,563.3	1,590.7	(*)	(1)	(1)	(*)	49.2	61.8	(*)	381.5	381.5	(*)
33 Erie .....	114.6	115.2	114.9	(1)	(1)	(1)	2.8	3.0	2.9	44.5	43.2	42.9
34 Harrisburg .....	212.8	214.9	213.1	(1)	(1)	(1)	7.3	7.6	7.0	42.2	43.4	43.5
35 Johnstown .....	87.9	89.8	88.9	9.7	9.4	9.2	2.5	2.9	2.8	20.1	20.3	20.1
36 Lancaster .....	149.8	152.2	151.5	(1)	(1)	(1)	7.1	7.6	7.3	60.2	60.3	59.9
37 Northeast Pennsylvania .....	239.7	239.9	241.2	1.1	1.1	1.1	11.1	11.4	10.5	74.0	73.4	74.6
38 Philadelphia SMSA .....	1,884.3	1,919.9	(*)	(1)	(1)	(*)	60.6	74.0	(*)	452.2	454.6	(*)
39 Philadelphia City <sup>12</sup> .....	795.7	797.0	796.0	(1)	(1)	(1)	15.6	18.5	18.4	146.2	142.3	142.4
40 Pittsburgh .....	934.6	941.3	938.2	11.0	10.9	10.8	40.0	43.6	39.4	253.6	246.5	249.4
41 Reading .....	136.5	139.9	139.4	(1)	(1)	(1)	4.2	5.3	5.2	55.3	55.0	54.4
42 Scranton <sup>13</sup> .....	85.0	86.1	86.2	(1)	(1)	(1)	1.7	2.3	2.0	28.1	28.2	28.7
43 Wilkes-Barre—Hazleton <sup>14</sup> .....	126.0	126.2	126.1	1.0	1.0	1.0	8.1	7.9	7.3	41.1	40.2	40.6
44 Williamsport .....	47.7	46.7	46.3	(1)	(1)	(1)	1.2	1.5	1.4	18.3	16.7	16.5
45 York .....	152.7	156.8	155.2	(1)	(1)	(1)	6.0	7.0	6.7	64.7	68.0	66.7
<b>RHODE ISLAND</b> .....	391.0	391.7	390.5	(1)	(1)	(1)	10.5	11.7	10.8	132.1	130.3	130.1
47 Providence-Warwick-Pawtucket .....	402.7	402.5	401.0	(1)	(1)	(1)	10.6	11.8	10.9	147.7	145.2	144.8
<b>SOUTH CAROLINA</b> .....	1,149.1	1,184.1	1,186.8	1.9	1.9	1.9	67.1	71.3	71.3	394.3	399.1	398.4
49 Charleston-North Charleston .....	141.3	146.3	146.9	(1)	(1)	(1)	10.2	11.3	11.4	19.4	18.9	18.7
50 Columbia .....	173.9	180.0	180.5	(1)	(1)	(1)	7.9	8.0	8.1	26.4	27.6	27.6
51 Greenville-Spartanburg .....	257.2	263.8	263.4	(1)	(1)	(1)	15.1	16.1	16.1	105.5	106.3	106.3
<b>SOUTH DAKOTA</b> .....	230.1	234.0	234.1	2.6	2.9	2.9	9.3	9.9	9.6	25.5	26.7	26.4
53 Rapid City .....	27.6	29.2	29.6	(3)	(3)	(3)	2.1	2.3	2.2	2.8	3.0	3.0
54 Sioux Falls .....	52.3	52.4	52.2	(3)	(3)	(3)	2.4	2.3	2.2	7.3	7.3	7.3
<b>TENNESSEE</b> .....	1,734.7	1,777.6	1,775.9	10.4	10.3	10.1	74.9	85.3	80.2	523.8	525.4	525.7
56 Chattanooga .....	174.6	175.8	175.3	1.2	1.3	1.2	6.8	6.8	6.6	56.0	53.8	53.9
57 Knoxville .....	194.5	193.8	(*)	1.6	1.3	(*)	11.1	11.0	(*)	53.8	52.5	(*)
58 Memphis .....	354.9	357.9	356.5	.1	.1	.2	14.2	15.5	15.4	63.1	59.9	59.5
59 Nashville-Davidson .....	356.1	367.1	(*)	(1)	(1)	(*)	17.9	20.8	(*)	83.7	82.2	(*)

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			
FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	
3.5	3.6	(*)	16.4	17.1	(*)	2.4	2.4	(*)	16.6	17.7	(*)	21.6	21.7	(*)	1
14.8	14.9	(*)	57.2	58.7	(*)	15.1	15.6	(*)	52.9	51.2	(*)	49.7	49.1	(*)	2
4.0	4.0	(*)	21.0	22.1	(*)	5.5	5.6	(*)	19.8	19.6	(*)	29.2	29.2	(*)	3
18.0	18.7	(*)	76.8	81.0	(*)	17.1	17.2	(*)	78.7	82.8	(*)	57.4	57.9	(*)	4
112.1	117.1	118.0	460.7	492.9	487.5	90.8	95.5	95.7	320.6	340.1	341.5	402.0	403.6	406.1	5
3.6	3.7	3.8	14.4	14.7	14.6	2.3	2.3	2.3	12.1	13.4	13.5	11.2	11.3	11.3	6
29.9	30.6	30.7	82.2	85.5	84.7	20.3	20.5	20.5	47.3	48.0	48.3	36.4	35.2	35.7	7
21.1	21.2	21.2	76.1	78.6	78.0	17.5	18.0	17.9	54.8	56.8	57.4	47.5	48.1	48.4	8
12.4	13.2	13.3	49.9	53.4	52.9	14.6	15.3	15.2	54.5	58.4	58.9	72.5	72.3	73.3	9
15.2	16.0	16.1	63.5	66.9	66.4	10.7	11.2	11.2	46.4	48.5	48.6	61.1	60.8	60.6	10
3.8	4.0	4.0	18.3	19.1	19.0	3.6	3.9	3.9	13.5	13.9	14.1	12.9	13.1	13.4	11
226.6	231.4	231.5	943.6	972.1	959.5	193.9	202.7	202.7	778.6	802.8	811.8	686.2	678.2	688.3	12
15.1	15.5	15.8	56.2	58.6	56.7	9.2	9.5	9.5	48.4	50.3	50.6	44.9	42.5	43.9	13
7.6	7.5	7.6	33.5	35.0	34.5	5.3	5.7	5.6	27.7	29.0	29.3	18.2	18.7	18.8	14
33.2	34.5	34.7	135.1	139.0	137.4	31.2	32.1	32.1	112.4	117.8	119.5	85.7	82.6	83.8	15
46.3	47.9	46.9	206.7	211.8	209.3	46.3	48.1	48.3	176.4	180.3	182.2	118.9	117.4	119.7	16
24.3	24.8	25.0	116.7	121.2	119.0	34.8	37.3	37.5	96.3	99.2	99.8	102.1	102.2	102.7	17
13.0	13.1	13.3	74.0	75.5	74.6	13.0	13.5	13.5	68.8	71.3	72.4	68.8	68.7	70.3	18
20.4	21.6	21.7	66.9	68.1	67.2	10.2	10.6	10.7	57.2	58.7	58.9	47.4	46.0	46.7	19
10.0	10.5	10.5	44.8	46.9	46.2	6.8	7.1	7.1	35.7	37.1	37.3	26.1	26.0	26.6	20
64.0	65.7	66.1	246.6	258.5	256.4	51.8	54.1	53.9	176.3	189.0	190.5	223.9	229.0	233.2	21
23.0	23.0	23.2	91.4	99.2	99.8	22.5	24.3	24.4	65.9	70.0	70.7	83.9	87.6	88.5	22
21.4	22.5	22.8	68.4	71.0	70.8	14.1	14.5	14.4	53.0	54.6	54.9	30.5	30.2	30.3	23
57.7	60.6	60.9	246.4	256.6	254.2	65.8	69.5	70.0	179.6	183.1	183.8	201.2	201.4	206.3	24
5.2	5.3	5.3	25.7	25.6	25.2	5.2	5.4	5.4	18.5	18.7	18.7	22.9	22.2	22.4	25
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
34.8	36.2	36.3	137.7	143.1	142.4	42.4	44.3	44.6	104.6	105.4	106.3	81.6	81.8	83.1	27
2.7	2.9	(*)	18.3	19.3	(*)	5.5	5.7	(*)	14.3	15.6	(*)	27.6	27.9	(*)	28
269.6	273.2	(*)	962.3	978.6	(*)	229.9	237.5	(*)	916.4	965.4	(*)	727.3	724.8	(*)	29
13.3	14.0	14.0	49.5	50.8	50.3	8.4	8.6	8.6	39.8	40.7	40.8	29.6	29.0	29.2	30
8.2	7.2	7.1	10.9	12.3	12.1	1.4	1.5	1.5	8.3	8.7	8.6	7.0	7.6	7.6	31
86.1	84.1	(*)	329.6	332.1	(*)	106.6	109.4	(*)	372.1	376.7	(*)	238.2	245.1	(*)	32
5.4	5.5	5.4	22.8	24.4	24.0	4.6	4.8	4.8	20.1	21.2	21.1	14.4	13.1	13.8	33
16.5	16.9	17.0	43.6	43.5	42.7	12.3	12.5	12.4	34.7	36.8	36.6	56.2	54.2	53.9	34
5.8	6.0	6.1	16.1	16.4	16.1	3.7	4.1	4.0	15.5	15.9	15.5	14.5	14.8	15.1	35
6.2	6.3	6.2	32.8	33.9	33.3	5.0	5.4	5.4	23.3	24.4	24.4	15.2	14.3	15.0	36
13.0	13.1	13.3	50.6	51.1	50.9	9.3	9.5	9.4	41.2	41.7	42.0	39.4	38.6	39.4	37
102.0	99.6	(*)	414.3	418.9	(*)	122.5	125.5	(*)	434.0	441.3	(*)	298.7	306.0	(*)	38
57.5	54.8	54.0	150.9	152.2	150.2	69.3	69.6	69.8	210.8	211.7	215.0	145.4	147.9	146.2	39
62.2	61.8	61.2	199.6	204.7	200.4	43.9	44.6	44.6	201.4	202.5	205.5	122.9	126.7	126.9	40
6.6	6.6	6.6	26.3	27.0	26.6	5.8	6.2	6.2	21.7	23.1	23.1	16.6	16.7	17.3	41
4.1	4.2	4.2	19.7	19.9	19.8	3.4	3.4	3.4	16.0	16.3	16.5	12.0	11.8	11.6	42
7.0	7.1	7.1	26.0	26.3	26.2	5.1	5.3	5.3	18.4	18.7	18.7	19.3	19.7	19.9	43
2.3	2.3	2.3	9.8	9.9	9.9	2.0	2.1	2.1	7.5	7.8	7.8	6.6	6.4	6.3	44
7.1	6.7	6.9	31.5	31.1	30.8	3.8	3.9	3.9	20.6	21.2	21.3	19.0	18.9	18.9	45
13.3	13.2	13.1	78.5	79.1	77.9	20.6	20.8	21.0	76.0	76.8	77.8	60.0	59.8	59.8	46
13.2	13.0	13.0	80.2	80.9	79.7	20.6	20.8	21.0	73.5	74.0	74.9	56.9	56.8	56.7	47
51.0	53.9	53.3	211.7	224.0	223.4	44.5	47.4	47.5	145.2	152.2	153.9	233.4	234.3	237.1	48
8.4	8.8	9.1	30.4	31.9	31.8	5.8	6.1	6.1	22.0	23.8	24.1	45.1	45.5	45.7	49
8.9	9.4	9.4	37.1	38.6	38.5	13.1	13.7	13.8	25.4	26.9	26.5	55.1	55.8	56.6	50
10.2	10.4	10.5	49.5	51.3	50.8	8.8	9.3	9.3	33.8	35.7	35.8	34.3	34.7	34.6	51
13.5	13.8	13.8	63.0	64.8	64.7	10.6	11.2	11.4	47.2	47.2	47.2	58.4	57.5	58.1	52
1.9	1.9	1.9	8.2	8.8	8.8	1.3	1.3	1.3	5.7	5.9	6.1	5.6	6.0	6.3	53
5.1	4.9	4.9	15.7	16.0	15.7	3.2	3.4	3.5	11.8	11.7	11.8	6.8	6.8	6.8	54
84.4	85.8	85.9	375.2	386.5	384.1	75.8	77.2	76.6	272.4	287.8	290.1	317.8	319.3	323.2	55
6.6	7.2	7.2	33.0	32.8	32.5	9.8	10.0	10.0	28.2	28.8	28.9	33.0	35.1	35.0	56
7.9	7.9	(*)	40.7	40.8	(*)	7.9	8.1	(*)	29.3	30.0	(*)	42.2	42.2	(*)	57
26.6	27.0	26.9	95.4	96.9	96.1	19.1	19.8	19.7	69.0	71.2	71.1	67.4	67.5	67.6	58
21.3	22.1	(*)	82.2	81.8	(*)	23.2	24.4	(*)	65.6	71.9	(*)	62.2	63.9	(*)	59

**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			Construction			Manufacturing		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
1 TEXAS .....	5,447.5	5,711.1	5,711.2	192.8	209.1	210.0	387.9	426.7	424.5	995.7	1,042.0	1,026.3
2 Amarillo .....	73.9	76.0	76.0	(1)	(1)	(1)	4.8	5.3	5.3	9.1	9.6	9.6
3 Austin .....	225.7	232.8	236.5	(1)	(1)	(1)	13.6	12.9	12.9	27.1	29.8	29.8
4 Beaumont-Port Arthur-Orange .....	141.5	130.3	(*)	(1)	(1)	(*)	14.7	10.2	(*)	38.3	29.1	(*)
5 Corpus Christi .....	119.4	122.3	123.3	6.3	6.8	6.8	14.4	14.4	14.8	14.7	15.2	15.5
6 Dallas-Fort Worth .....	1,340.8	1,410.4	1,416.3	20.1	22.5	22.9	68.5	77.7	77.7	303.0	312.1	313.0
7 El Paso <sup>2</sup> .....	154.0	157.0	156.1	(1)	(1)	(1)	9.3	9.2	9.1	31.5	31.5	31.3
8 Galveston-Texas City .....	67.5	67.1	66.5	(1)	(1)	(1)	4.6	5.3	5.3	11.9	11.9	10.5
9 Houston .....	1,335.5	1,390.9	1,392.0	67.2	70.4	70.2	139.2	140.2	141.2	224.0	232.7	230.2
10 Lubbock .....	87.5	89.7	89.7	(1)	(1)	(1)	4.4	4.3	4.1	12.5	13.1	13.1
11 San Antonio .....	372.8	381.8	383.1	2.0	2.1	2.1	23.3	25.7	26.1	47.0	48.2	48.2
12 Waco .....	66.9	69.6	70.0	(1)	(1)	(1)	3.2	3.3	3.4	16.3	16.9	16.9
13 Wichita Falls .....	49.6	51.5	51.4	2.6	2.9	2.9	2.4	2.8	2.8	9.2	9.3	9.2
14 UTAH .....	532.8	560.7	563.0	17.2	17.6	17.7	28.1	29.7	29.2	84.2	90.4	90.0
15 Salt Lake City-Ogden .....	379.6	399.5	401.8	7.6	7.4	8.3	19.6	20.9	20.6	57.1	61.3	60.7
16 VERMONT .....	192.7	199.2	200.9	.7	.7	.7	7.3	9.8	9.3	49.3	50.8	51.0
17 Burlington <sup>15</sup> .....	53.1	54.3	55.7	-	-	-	-	-	-	13.4	14.4	14.3
18 Springfield <sup>15</sup> .....	14.4	14.5	14.7	-	-	-	-	-	-	6.1	6.1	6.1
19 VIRGINIA .....	2,028.7	2,097.2	2,086.4	24.4	23.8	23.7	111.6	124.2	115.9	402.9	414.1	414.1
20 Bristol .....	27.8	28.1	27.8	(1)	(1)	(1)	1.1	1.2	1.2	9.9	9.7	9.6
21 Lynchburg .....	69.6	72.6	72.3	(1)	(1)	(1)	2.7	3.4	3.3	29.7	29.6	29.5
22 Newport News-Hampton .....	135.3	147.8	145.9	(1)	(1)	(*)	7.0	7.1	6.5	25.6	34.1	33.8
23 Norfolk-Virginia Beach-Poismouth .....	278.9	284.0	281.7	(1)	(1)	(1)	15.6	16.9	14.8	29.9	29.8	29.7
24 Northern Virginia <sup>16</sup> .....	410.3	424.5	421.7	.4	.4	.4	24.4	27.3	25.6	16.2	16.9	17.0
25 Petersburg-Colonial Hgts.-Hopewell .....	46.2	46.6	46.5	(1)	(1)	(1)	2.1	2.1	2.0	12.4	12.0	12.0
26 Richmond .....	318.7	325.2	324.3	.4	.4	.4	17.2	17.1	16.7	54.8	55.7	55.7
27 Roanoke .....	102.2	104.1	103.5	.1	.1	.1	5.1	5.8	5.6	20.9	20.8	20.8
28 WASHINGTON <sup>2</sup> .....	(*)	1,589.0	(*)	(*)	2.8	(*)	(*)	89.9	(*)	(*)	307.1	(*)
29 Seattle-Everett <sup>2</sup> .....	(*)	770.4	(*)	(*)	(1)	(*)	(*)	42.4	(*)	(*)	172.7	(*)
30 Spokane <sup>2</sup> .....	(*)	126.8	(*)	(*)	(1)	(*)	(*)	6.0	(*)	(*)	17.4	(*)
31 Tacoma <sup>2</sup> .....	(*)	140.1	(*)	(*)	(1)	(*)	(*)	7.5	(*)	(*)	22.1	(*)
32 WEST VIRGINIA .....	(*)	633.6	629.3	(*)	63.7	62.8	(*)	34.6	32.0	(*)	121.7	120.8
33 Charleston .....	(*)	116.0	114.8	(*)	6.7	6.8	(*)	7.1	6.7	(*)	18.6	17.9
34 Huntington-Ashland .....	(*)	107.5	106.7	(*)	1.3	1.3	(*)	7.5	7.4	(*)	27.7	27.5
35 Parkersburg-Marietta .....	(*)	57.3	57.5	(*)	.5	.5	(*)	3.8	3.6	(*)	17.0	17.1
36 Wheeling .....	(*)	65.1	65.2	(*)	6.2	6.2	(*)	3.2	3.0	(*)	12.7	12.7
37 WISCONSIN .....	1,892.1	1,950.3	1,956.6	1.8	2.1	1.8	63.7	73.1	70.4	577.3	583.9	580.1
38 Appleton-Oshkosh .....	123.7	131.0	131.2	(1)	(1)	(1)	5.1	6.3	6.0	48.8	50.3	49.8
39 Eau Claire .....	46.7	47.0	48.6	(1)	(1)	(1)	1.4	1.9	1.9	8.9	9.0	8.9
40 Green Bay .....	75.5	77.7	77.7	(1)	(1)	(1)	3.0	3.3	3.2	21.3	21.0	20.8
41 Kenosha .....	45.6	47.0	47.3	(1)	(1)	(1)	2.4	2.5	2.3	18.7	19.8	19.7
42 La Crosse .....	42.3	43.1	43.4	(1)	(1)	(1)	1.4	1.9	2.0	10.9	10.8	10.7
43 Madison .....	162.8	168.0	170.3	(1)	(1)	(1)	6.5	7.6	7.2	19.6	20.4	20.3
44 Milwaukee .....	666.0	683.6	685.5	(1)	(1)	(1)	20.2	21.8	21.4	217.0	219.4	218.9
45 Racine .....	69.6	71.4	71.2	(1)	(1)	(1)	1.8	1.9	1.7	31.6	32.0	32.0
46 WYOMING .....	187.2	206.9	208.1	31.0	34.9	36.1	18.1	19.5	19.8	9.7	10.7	10.2
47 Casper .....	36.0	41.3	41.0	7.0	8.7	7.8	3.2	4.2	4.5	1.8	2.0	2.0
48 Cheyenne .....	27.7	27.9	26.5	(1)	(1)	(1)	1.9	2.0	2.0	1.8	1.8	1.5
49 VIRGIN ISLANDS .....	36.1	36.7	(*)	(3)	(3)	(*)	2.8	2.8	(*)	3.1	3.1	(*)

<sup>1</sup> Combined with services.

<sup>2</sup> Revised to 1979 benchmark; not strictly comparable with previously published data.

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

<sup>4</sup> Area included in Chicago-Gary Standard Consolidated Statistical Area.

<sup>5</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>6</sup> Subarea of New York-Northeastern New Jersey.

<sup>7</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>8</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>9</sup> New York portion revised to 1979 benchmark; not strictly comparable with previously published data.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia

Counties, Pennsylvania.

<sup>12</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

<sup>13</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

<sup>14</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

<sup>15</sup> Total includes data for industry divisions not shown separately.

<sup>16</sup> 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		
FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
343.0	356.9	359.0	1,335.1	1,391.8	1,381.8	304.5	323.4	324.9	931.3	985.3	994.7	957.2	975.9	990.0
6.9	7.1	7.1	22.0	22.4	22.3	3.8	3.8	3.8	14.1	14.5	14.6	13.2	13.3	13.3
6.5	7.1	7.0	45.1	49.0	48.7	13.4	13.6	13.7	36.9	40.4	40.9	83.1	80.0	83.5
11.1	11.1	(*)	30.5	30.6	(*)	5.4	5.2	(*)	23.1	23.8	(*)	18.4	20.3	(*)
6.9	6.8	6.9	27.7	28.5	28.3	5.2	5.4	5.5	18.4	19.5	19.6	25.8	25.7	25.9
86.8	92.9	93.8	355.1	382.6	381.9	98.3	104.1	104.6	232.4	243.0	245.4	176.6	175.5	177.0
10.8	10.9	10.7	38.2	39.8	39.2	7.2	7.2	7.2	24.5	25.9	26.0	32.5	32.5	32.6
6.7	6.7	7.4	12.9	12.4	12.4	4.5	4.3	4.3	10.3	10.9	11.0	16.6	15.6	15.6
96.4	98.3	99.6	325.6	338.1	333.7	78.9	83.7	84.0	252.5	266.8	270.5	151.7	160.7	162.6
5.1	5.3	5.3	25.7	26.3	26.2	4.6	4.8	4.8	16.1	16.6	16.5	19.1	19.3	19.7
16.9	17.8	17.8	93.9	94.7	94.0	24.5	24.9	25.1	71.7	74.0	75.0	93.5	94.4	94.8
3.2	3.1	3.1	15.6	16.0	16.3	3.8	4.3	4.3	13.7	14.5	14.5	11.1	11.5	11.5
2.4	2.4	2.4	12.2	12.8	12.8	2.2	2.3	2.3	7.5	7.7	7.7	11.1	11.3	11.3
32.6	34.6	34.7	126.8	135.2	134.2	25.4	26.7	27.0	94.1	100.7	102.3	124.4	125.8	127.9
25.9	28.1	28.2	95.3	101.2	100.3	20.6	21.9	22.2	64.2	68.6	70.0	89.3	90.0	91.5
8.7	8.8	8.8	38.9	40.7	40.6	7.5	7.9	8.0	43.7	45.4	45.4	36.6	35.1	37.1
2.2	2.4	2.4	11.3	11.8	12.2	-	-	-	11.0	11.2	11.3	-	-	-
.7	.6	.7	2.1	2.1	2.1	-	-	-	2.9	3.0	3.1	-	-	-
112.0	113.5	113.7	425.2	442.3	437.2	100.5	104.3	104.4	363.3	373.1	375.1	488.8	501.9	502.3
1.1	1.1	1.1	6.7	6.7	6.4	.9	.9	1.0	3.4	3.5	3.5	4.7	5.0	5.0
2.6	2.8	2.7	11.4	12.3	12.0	3.2	3.4	3.5	10.0	10.8	10.9	10.0	10.3	10.4
5.0	4.9	4.9	27.2	28.3	27.8	4.8	5.1	5.1	25.1	26.5	25.9	40.6	41.8	41.9
19.0	18.9	18.9	66.7	68.7	68.5	14.1	14.6	14.7	52.4	53.1	52.9	81.2	82.0	82.2
27.4	28.7	28.6	95.9	98.5	97.7	26.0	26.4	26.4	103.7	109.1	109.3	116.3	117.2	116.7
1.4	1.6	1.6	8.3	8.2	8.1	1.3	1.3	1.3	5.6	5.9	6.0	15.1	15.5	15.5
18.9	19.5	19.4	74.8	73.7	72.4	25.8	26.8	26.8	54.3	57.0	57.3	72.5	75.0	75.6
10.1	10.0	10.0	25.5	25.7	25.6	6.1	6.3	6.3	19.0	19.3	19.3	15.4	16.1	15.8
(*)	88.8	(*)	(*)	386.4	(*)	(*)	92.2	(*)	(*)	297.1	(*)	(*)	324.7	(*)
(*)	51.7	(*)	(*)	185.3	(*)	(*)	54.5	(*)	(*)	145.2	(*)	(*)	118.6	(*)
(*)	7.8	(*)	(*)	36.0	(*)	(*)	7.9	(*)	(*)	28.7	(*)	(*)	23.0	(*)
(*)	6.4	(*)	(*)	33.4	(*)	(*)	7.2	(*)	(*)	30.1	(*)	(*)	33.4	(*)
(*)	43.7	42.7	(*)	133.0	131.9	(*)	21.7	21.7	(*)	93.9	94.7	(*)	121.3	122.6
(*)	9.9	9.9	(*)	27.7	27.3	(*)	5.0	5.0	(*)	19.9	20.0	(*)	21.0	21.1
(*)	10.2	9.9	(*)	24.1	23.8	(*)	3.9	3.9	(*)	15.3	15.3	(*)	17.5	17.8
(*)	2.7	2.6	(*)	12.5	12.4	(*)	2.1	2.1	(*)	8.8	8.9	(*)	9.9	10.1
(*)	3.7	3.6	(*)	16.0	16.0	(*)	2.6	2.6	(*)	12.9	13.1	(*)	8.0	8.1
89.0	91.0	91.3	419.9	447.9	444.9	87.3	93.0	92.8	342.1	357.6	363.3	311.0	301.8	312.1
4.5	4.9	4.8	25.1	27.1	27.2	4.9	5.2	5.3	19.3	20.3	20.4	16.0	16.8	17.7
2.7	2.6	2.6	12.2	13.1	13.1	1.5	1.5	1.5	9.2	9.4	9.5	10.8	9.4	11.0
5.6	6.0	6.1	18.9	20.7	20.3	2.3	2.4	2.4	14.1	14.0	14.2	10.3	10.4	10.7
1.3	1.3	1.3	7.9	8.2	8.2	1.0	1.0	1.0	7.7	7.9	8.3	6.6	6.2	6.5
2.3	2.5	2.4	11.1	11.6	11.7	1.1	1.1	1.1	9.1	9.6	9.7	6.5	5.6	5.8
6.0	6.3	6.3	34.0	35.0	34.8	11.5	12.6	12.6	29.7	31.3	31.8	55.6	54.8	57.1
34.0	34.7	35.1	146.5	151.5	149.9	37.1	39.0	39.2	133.2	139.7	142.3	77.9	77.6	78.7
2.1	2.1	2.0	12.9	13.2	13.0	2.2	2.3	2.3	10.8	11.2	11.3	8.2	8.9	8.9
15.8	16.7	16.8	40.9	46.1	45.2	6.8	7.5	7.4	25.9	29.7	30.0	39.0	41.8	42.6
2.7	2.9	2.9	9.5	11.5	11.5	1.5	1.6	1.6	5.2	5.2	5.3	5.1	5.2	5.4
4.1	4.2	3.9	6.6	7.2	7.3	1.5	1.6	1.6	4.0	3.8	3.8	7.8	7.3	6.4
2.0	2.3	(*)	7.3	7.7	(*)	1.4	1.4	(*)	6.2	6.3	(*)	13.3	13.1	(*)





# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>
	<b>TOTAL PRIVATE</b> .....	\$212.40	\$214.91	\$225.34	\$226.75	\$228.80	\$6.00	\$6.02	\$6.42	\$6.46	\$6.50
	<b>MINING</b> .....	349.75	354.78	384.09	383.56	391.03	8.21	8.27	8.85	8.92	9.01
10	<b>METAL MINING</b> .....	367.38	365.09	406.72	407.30	-	8.81	8.84	9.92	9.91	-
101	Iron ores .....	391.73	389.42	424.11	428.45	-	9.11	9.12	10.55	10.45	-
102	Copper ores .....	388.67	380.16	434.60	431.34	-	9.06	9.03	10.25	10.27	-
11, 12	<b>COAL MINING</b> .....	398.12	410.52	433.67	430.54	-	9.83	9.94	10.35	10.30	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	400.32	411.76	434.92	431.38	-	9.86	9.97	10.38	10.32	-
13	<b>OIL AND GAS EXTRACTION</b> .....	332.38	332.32	369.90	371.13	-	7.52	7.57	8.22	8.34	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	363.17	354.38	380.59	381.92	-	8.73	8.75	9.26	9.43	-
138	Oil and gas field services .....	319.37	322.54	365.96	367.08	-	7.05	7.12	7.87	7.98	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	282.05	294.15	299.63	305.58	-	6.59	6.61	7.05	7.19	-
142	Crushed and broken stone .....	266.25	291.92	294.81	297.54	-	6.25	6.36	6.67	6.84	-
	<b>CONSTRUCTION</b> .....	319.31	331.89	332.40	342.47	342.22	9.02	8.97	9.47	9.62	9.64
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	289.80	303.72	303.28	312.93	-	8.40	8.39	8.74	8.89	-
152	Residential building construction .....	274.97	287.65	287.39	289.65	-	8.04	8.08	8.33	8.42	-
153	Operative builders .....	249.98	264.79	265.44	270.57	-	7.44	7.48	7.83	7.82	-
154	Nonresidential building construction .....	313.79	328.34	325.38	341.87	-	8.94	8.85	9.27	9.47	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	314.57	330.80	316.30	324.86	-	8.30	8.27	8.48	8.64	-
161	Highway and street construction .....	284.36	298.89	281.89	293.92	-	7.31	7.38	7.66	7.88	-
162	Heavy construction, except highway .....	325.13	343.47	328.75	337.55	-	8.67	8.63	8.79	8.93	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	336.00	346.30	352.90	361.18	-	9.60	9.54	10.17	10.29	-
171	Plumbing, heating, air conditioning .....	354.46	362.12	382.04	385.10	-	9.58	9.58	10.27	10.38	-
172	Painting, paper hanging, decorating .....	308.04	315.39	316.11	321.30	-	9.06	8.96	9.27	9.45	-
173	Electrical work .....	397.36	407.72	424.13	425.24	-	10.54	10.59	11.31	11.37	-
174	Masonry, stonework, and plastering .....	309.26	323.99	320.46	333.98	-	9.40	9.31	9.80	9.94	-
175	Carpentering and flooring .....	291.94	303.41	298.98	301.03	-	8.82	8.82	9.06	9.04	-
176	Roofing and sheet metal work .....	242.65	277.05	254.30	275.28	-	8.17	8.37	8.83	8.88	-
	<b>MANUFACTURING</b> .....	262.10	266.34	277.01	277.50	280.59	6.52	6.56	6.96	6.99	7.05
24, 25, 32-39	<b>DURABLE GOODS</b> .....	286.06	289.39	297.82	299.49	303.46	6.96	6.99	7.39	7.45	7.53
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	226.40	229.91	244.92	243.90	245.07	5.82	5.85	6.28	6.27	6.30
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	227.37	231.85	236.98	242.44	242.32	5.83	5.84	6.22	6.33	6.36
241	Logging camps and logging contractors .....	286.99	293.61	287.83	315.09	-	7.34	7.49	8.04	8.27	-
242	Sawmills and planing mills .....	242.20	247.45	246.24	251.16	-	6.04	6.05	6.33	6.44	-
2421	Sawmills and planing mills, general .....	256.48	260.53	258.02	264.32	-	6.38	6.37	6.65	6.76	-
2428	Hardwood dimension and flooring .....	171.37	171.36	180.29	179.54	-	4.19	4.20	4.53	4.58	-
243	Millwork, plywood, and structural members .....	226.01	228.91	237.93	240.91	-	5.81	5.81	6.18	6.29	-
2431	Millwork .....	212.39	216.12	231.17	239.32	-	5.56	5.57	6.02	6.20	-
2434	Wood kitchen cabinets .....	204.17	206.88	216.76	212.98	-	5.43	5.43	5.63	5.71	-
2435	Hardwood veneer and plywood .....	182.95	186.93	191.57	192.89	-	4.62	4.65	4.95	5.01	-
2436	Softwood veneer and plywood .....	297.88	302.63	303.03	303.42	-	7.23	7.24	7.77	7.76	-
244	Wooden containers .....	164.43	168.78	180.75	178.08	-	4.35	4.35	4.82	4.80	-
245	Wood buildings and mobile homes .....	194.92	202.95	209.57	201.93	-	5.46	5.50	5.92	5.87	-
2451	Mobile homes .....	191.35	199.63	209.10	201.48	-	5.36	5.41	5.89	5.84	-
249	Miscellaneous wood products .....	190.70	194.17	206.32	211.73	-	4.84	4.83	5.21	5.28	-
25	<b>FURNITURE AND FIXTURES</b> .....	187.83	193.05	202.37	203.61	205.13	4.93	4.95	5.27	5.33	5.37
251	Household furniture .....	174.46	181.20	187.83	189.62	-	4.64	4.67	4.93	4.99	-
2511	Wood household furniture .....	165.98	171.47	177.32	176.56	-	4.30	4.33	4.57	4.61	-
2512	Upholstered household furniture .....	184.26	190.88	195.15	199.18	-	4.98	5.01	5.26	5.34	-
2514	Metal household furniture .....	175.08	186.53	197.11	197.63	-	4.81	4.82	5.16	5.17	-
2515	Mattresses and bedspreads .....	193.04	198.00	210.17	216.21	-	5.26	5.28	5.56	5.66	-
252	Office furniture .....	210.28	214.94	224.36	225.03	-	5.31	5.36	5.68	5.77	-
253	Public building and related furniture .....	215.06	215.61	219.82	220.80	-	5.31	5.35	5.68	5.78	-
254	Partitions and fixtures .....	227.56	230.29	250.38	251.29	-	5.88	5.92	6.42	6.46	-
259	Miscellaneous furniture and fixtures .....	206.66	208.89	225.55	225.00	-	5.41	5.37	5.92	5.89	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. p 1980	Mar. p 1980	Feb. 1979	Mar. 1979	Jan. 1980	Feb. p 1980	Mar. p 1980
	<b>TOTAL PRIVATE</b> .....	35.4	35.7	35.1	35.1	35.2					
	<b>MINING</b> .....	42.6	42.9	43.4	43.0	43.4					
10	<b>METAL MINING</b> .....	41.7	41.3	41.0	41.1	-	-	-	-	-	-
101	Iron ores .....	43.0	42.7	40.2	41.0	-	-	-	-	-	
102	Copper ores .....	42.9	42.1	42.4	42.0	-	-	-	-	-	
11, 12	<b>COAL MINING</b> .....	40.5	41.3	41.9	41.8	-	-	-	-	-	
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	40.6	41.3	41.9	41.8	-	-	-	-	-	
13	<b>OIL AND GAS EXTRACTION</b> .....	44.2	43.9	45.0	44.5						
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	41.6	40.5	41.1	40.5	-	-	-	-	-	
138	Oil and gas field services .....	45.3	45.3	46.5	46.0	-	-	-	-	-	
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	42.8	44.5	42.5	42.5	-	-	-	-	-	
142	Crushed and broken stone .....	42.6	45.9	44.2	43.5	-	-	-	-	-	
	<b>CONSTRUCTION</b> .....	35.4	37.0	35.1	35.6	35.5					
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	34.5	36.2	34.7	35.2	-	-	-	-	-	
152	Residential building construction .....	34.2	35.6	34.5	34.4	-	-	-	-	-	
153	Operative builders .....	33.6	35.4	33.9	34.6	-	-	-	-	-	
154	Nonresidential building construction .....	35.1	37.1	35.1	36.1	-	-	-	-	-	
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	37.9	40.0	37.3	37.6	-	-	-	-	-	
161	Highway and street construction .....	38.9	40.5	36.8	37.3	-	-	-	-	-	
162	Heavy construction, except highway .....	37.5	39.8	37.4	37.8	-	-	-	-	-	
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	35.0	36.3	34.7	35.1	-	-	-	-	-	
171	Plumbing, heating, air conditioning .....	37.0	37.8	37.2	37.1	-	-	-	-	-	
172	Painting, paper hanging, decorating .....	34.0	35.2	34.1	34.0	-	-	-	-	-	
173	Electrical work .....	37.7	38.5	37.5	37.4	-	-	-	-	-	
174	Masonry, stonework, and plastering .....	32.9	34.8	32.7	33.6	-	-	-	-	-	
175	Carpentering and flooring .....	33.1	34.4	33.0	33.3	-	-	-	-	-	
176	Roofing and sheet metal work .....	29.7	33.1	28.8	31.0	-	-	-	-	-	
	<b>MANUFACTURING</b> .....	40.2	40.6	39.8	39.7	39.8	3.5	3.6	3.0	2.9	3.0
24, 25, 32-39	<b>DURABLE GOODS</b> .....	41.1	41.4	40.3	40.2	40.3	3.9	3.9	3.1	3.0	3.1
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	38.9	39.3	39.0	38.9	38.9	3.0	3.1	2.9	2.8	2.8
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	39.0	39.7	38.1	38.3	38.1	3.5	3.5	2.7	2.9	-
241	Logging camps and logging contractors .....	39.1	39.2	35.8	38.1	-	5.1	4.5	2.8	3.3	-
242	Sawmills and planing mills .....	40.1	40.9	38.9	39.0	-	4.3	4.5	3.5	3.8	-
2421	Sawmills and planing mills, general .....	40.2	40.9	38.8	39.1	-	4.6	4.8	3.7	4.0	-
2426	Hardwood dimension and flooring .....	40.9	40.8	39.8	39.2	-	3.5	3.5	3.1	2.8	-
243	Millwork, plywood, and structural members .....	38.9	39.4	38.5	38.3	-	2.9	2.9	2.3	2.4	-
2431	Millwork .....	38.2	38.8	38.4	38.6	-	1.9	1.8	1.4	1.4	-
2434	Wood kitchen cabinets .....	37.6	38.1	38.5	37.3	-	2.2	2.1	2.1	1.9	-
2435	Hardwood veneer and plywood .....	39.6	40.2	38.7	38.5	-	3.6	3.7	3.0	2.7	-
2436	Softwood veneer and plywood .....	41.2	41.8	39.0	39.1	-	4.8	5.1	3.7	4.1	-
244	Wooden containers .....	37.8	38.8	37.5	37.1	-	3.0	3.1	2.3	2.4	-
245	Wood buildings and mobile homes .....	35.7	36.9	35.4	34.4	-	1.5	1.5	1.3	1.2	-
2451	Mobile homes .....	35.7	36.9	35.5	34.5	-	1.1	1.1	1.2	1.1	-
249	Miscellaneous wood products .....	39.4	40.2	39.6	40.1	-	3.2	3.3	2.8	3.2	-
25	<b>FURNITURE AND FIXTURES</b> .....	38.1	39.0	38.4	38.2	38.2	2.2	2.2	2.0	1.9	-
251	Household furniture .....	37.6	38.8	38.1	38.0	-	2.2	2.2	1.8	1.8	-
2511	Wood household furniture .....	38.6	39.6	38.8	38.3	-	2.9	2.9	2.2	2.2	-
2512	Upholstered household furniture .....	37.0	38.1	37.1	37.3	-	1.4	1.4	1.3	1.1	-
2514	Metal household furniture .....	36.4	38.7	38.2	38.3	-	1.5	2.0	1.3	1.7	-
2515	Mattresses and bedsprings .....	36.7	37.5	37.8	38.2	-	1.8	2.1	2.3	2.5	-
252	Office furniture .....	39.6	40.1	39.5	39.0	-	2.5	2.5	2.3	2.2	-
253	Public building and related furniture .....	40.5	40.3	38.7	38.2	-	2.0	2.1	2.5	2.1	-
254	Partitions and fixtures .....	38.7	38.9	39.0	38.9	-	2.2	2.0	2.5	2.3	-
259	Miscellaneous furniture and fixtures .....	38.2	38.9	38.1	38.2	-	2.4	2.1	1.5	1.2	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$267.15	\$277.55	\$282.71	\$285.20	\$293.30	\$6.58	\$6.64	\$7.05	\$7.13	\$7.26
321	Flat glass	361.11	361.44	362.29	367.20	-	8.17	8.29	9.08	9.18	-
322	Glass and glassware, pressed or blown	275.09	280.38	297.54	300.24	-	6.86	6.94	7.42	7.45	-
3221	Glass containers	285.82	288.67	306.77	311.81	-	7.04	7.11	7.65	7.68	-
3229	Pressed and blown glass, nec	260.83	269.07	286.31	284.89	-	6.62	6.71	7.14	7.14	-
323	Products of purchased glass	261.30	269.45	252.10	254.40	-	6.50	6.54	6.24	6.36	-
324	Cement, hydraulic	381.01	401.56	412.58	422.42	-	9.05	9.21	9.80	10.01	-
325	Structural clay products	218.94	224.39	235.94	235.79	-	5.34	5.42	5.84	5.88	-
326	Pottery and related products	216.61	218.90	232.83	238.19	-	5.54	5.50	5.97	6.03	-
327	Concrete, gypsum, and plaster products	256.40	277.10	269.40	269.43	-	6.41	6.52	6.89	6.98	-
3271	Concrete block and brick	241.38	265.09	250.43	249.48	-	6.08	6.08	6.34	6.48	-
3272	Concrete products, nec	230.11	246.03	246.09	246.80	-	5.71	5.83	6.23	6.28	-
3273	Ready-mixed concrete	270.84	299.94	279.35	281.82	-	7.09	7.21	7.55	7.70	-
329	Misc. nonmetallic mineral products	278.94	282.91	295.36	299.22	-	6.61	6.61	7.10	7.21	-
3291	Abrasive products	267.39	270.63	287.53	282.91	-	6.49	6.49	7.03	7.02	-
3292	Asbestos products	284.43	289.39	298.87	301.08	-	6.63	6.73	7.15	7.29	-
33	<b>PRIMARY METAL INDUSTRIES</b>	368.38	366.63	378.51	381.92	386.11	8.75	8.75	9.30	9.43	9.51
331	Blast furnace and basic steel products	428.33	418.91	434.00	441.46	-	10.15	10.07	10.85	11.12	-
3312	Blast furnaces and steel mills	442.05	430.15	446.95	457.38	-	10.50	10.39	11.23	11.55	-
3317	Steel pipe and tubes	348.47	354.43	356.06	351.01	-	8.18	8.32	8.77	8.71	-
332	Iron and steel foundries	321.86	325.14	319.87	321.91	-	7.70	7.76	7.84	7.89	-
3321	Gray iron foundries	327.44	333.11	315.97	314.02	-	7.89	7.95	7.86	7.89	-
3322	Malleable iron foundries	341.55	346.10	343.88	335.51	-	8.29	8.36	8.47	8.43	-
3325	Steel foundries, nec	308.00	307.64	331.00	337.98	-	7.23	7.29	7.77	7.86	-
333	Primary nonferrous metals	377.04	378.98	419.50	415.83	-	9.02	9.11	10.06	10.02	-
3334	Primary aluminum	396.34	402.68	436.72	431.01	-	9.62	9.75	10.60	10.59	-
335	Nonferrous rolling and drawing	325.04	335.58	355.28	350.70	-	7.63	7.75	8.34	8.39	-
3351	Copper rolling and drawing	314.16	312.40	313.50	315.33	-	7.14	7.10	7.50	7.58	-
3353	Aluminum sheet, plate, and foil	396.89	417.63	425.57	423.02	-	9.23	9.47	9.92	9.93	-
3357	Nonferrous wire drawing and insulating	305.28	312.31	335.48	328.50	-	7.20	7.28	7.82	7.84	-
336	Nonferrous foundries	266.98	269.21	276.29	276.98	-	6.48	6.55	6.89	6.89	-
3361	Aluminum foundries	278.51	279.76	279.90	281.29	-	6.76	6.84	6.98	6.98	-
34	<b>FABRICATED METAL PRODUCTS</b>	271.99	277.54	286.64	287.65	291.91	6.65	6.72	7.06	7.12	7.19
341	Metal cans and shipping containers	370.23	380.63	404.66	398.18	-	8.61	8.75	9.26	9.26	-
3411	Metal cans	380.09	390.06	417.41	411.17	-	8.86	9.05	9.53	9.54	-
342	Cutlery, hand tools, and hardware	255.67	263.90	269.17	267.92	-	6.36	6.50	6.78	6.80	-
3423, 5	Hand and edge tools, and hand saws and blades	246.21	253.34	265.60	263.21	-	6.14	6.24	6.64	6.63	-
3429	Hardware, nec	266.12	275.67	274.40	274.95	-	6.62	6.79	7.00	7.05	-
343	Plumbing and heating, except electric	231.28	236.19	257.68	259.29	-	5.87	5.89	6.41	6.45	-
3432	Plumbing fittings and brass goods	229.14	237.31	254.18	256.44	-	5.70	5.76	6.23	6.27	-
3433	Heating equipment, except electric	219.27	224.25	243.20	240.17	-	5.74	5.75	6.22	6.19	-
344	Fabricated structural metal products	251.70	257.04	280.09	276.61	-	6.34	6.41	6.95	6.95	-
3441	Fabricated structural metal	265.07	273.64	292.18	291.77	-	6.66	6.74	7.25	7.24	-
3442	Metal doors, sash, and trim	195.58	198.39	224.62	220.02	-	5.12	5.18	5.73	5.70	-
3443	Fabricated plate work (boiler shops)	279.45	284.66	321.56	317.12	-	6.90	6.96	7.62	7.66	-
3444	Sheet metal work	253.84	260.00	272.53	269.97	-	6.41	6.50	6.97	6.94	-
3446	Architectural metal work	247.63	242.96	257.36	253.84	-	6.16	6.12	6.45	6.41	-
345	Screw machine products, bolts, etc.	274.05	276.86	280.06	281.37	-	6.30	6.35	6.70	6.78	-
3451	Screw machine products	251.24	250.06	262.08	259.38	-	5.87	5.87	6.24	6.25	-
3452	Bolts, nuts, rivets, and washers	297.70	304.41	298.69	304.20	-	6.72	6.81	7.18	7.33	-
346	Metal forgings and stampings	323.53	331.21	315.99	322.00	-	7.74	7.83	7.88	8.05	-
3482	Iron and steel forgings	359.13	369.80	356.98	361.40	-	8.47	8.58	8.88	8.99	-
3465	Automotive stampings	387.66	397.52	377.28	385.53	-	9.23	9.42	9.60	9.81	-
3469	Metal stampings, nec	242.84	247.21	256.14	257.35	-	5.88	5.90	6.34	6.37	-
347	Metal services, nec	219.37	223.17	230.84	234.55	-	5.39	5.43	5.80	5.82	-
3471	Plating and polishing	210.77	217.01	224.19	228.74	-	5.23	5.28	5.69	5.69	-
3479	Metal coating and allied services	237.80	237.31	244.82	246.85	-	5.73	5.76	6.03	6.08	-
348	Ordinance and accessories, nec	263.49	266.56	291.40	291.99	-	6.49	6.47	7.09	7.07	-
3483	Ammunition, exc. for small arms, nec	241.52	243.61	264.80	267.24	-	6.13	6.06	6.62	6.55	-
349	Misc. fabricated metal products	260.38	261.43	279.19	278.53	-	6.32	6.33	6.76	6.81	-
3494	Valves and pipe fittings	276.47	279.54	299.88	301.80	-	6.63	6.64	7.14	7.22	-
3496	Misc. fabricated wire products	228.42	230.36	246.00	239.40	-	5.64	5.66	6.00	5.97	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	304.30	306.29	318.31	319.97	322.46	7.16	7.19	7.67	7.71	7.77
351	Engines and turbines	361.25	360.82	372.25	378.68	-	8.50	8.53	9.26	9.42	-
3511	Turbines and turbine generator sets	316.61	320.58	332.99	336.20	-	7.76	7.80	8.43	8.49	-
3519	Internal combustion engines, nec	374.96	373.63	383.40	391.48	-	8.72	8.75	9.49	9.69	-
352	Farm and garden machinery	335.26	336.97	336.20	338.66	-	7.87	7.91	8.20	8.22	-
3523	Farm machinery and equipment	351.70	351.74	349.00	351.52	-	8.16	8.18	8.43	8.45	-
353	Construction and related machinery	324.36	325.21	333.74	337.42	-	7.65	7.67	8.20	8.27	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p
		32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	40.6	41.8	40.1	40.0	40.4	4.3	4.7	3.6
321	Flat glass	44.2	43.6	39.9	40.0	-	5.9	5.7	3.7	3.9	-
322	Glass and glassware, pressed or blown	40.1	40.4	40.1	40.3	-	4.0	4.0	3.7	4.1	-
3221	Glass containers	40.6	40.6	40.1	40.6	-	4.4	4.5	4.0	4.6	-
3229	Pressed and blown glass, nec	39.4	40.1	40.1	39.9	-	3.4	3.3	3.4	3.5	-
323	Products of purchased glass	40.2	41.2	40.4	40.0	-	4.7	4.5	2.2	2.5	-
324	Cement, hydraulic	42.1	43.6	42.1	42.2	-	4.3	5.4	3.7	4.1	-
325	Structural clay products	41.0	41.4	40.4	40.1	-	3.9	4.0	3.4	3.4	-
326	Pottery and related products	39.1	39.8	39.0	39.5	-	2.3	2.5	2.2	2.6	-
327	Concrete, gypsum, and plaster products	40.0	42.5	39.1	38.6	-	4.7	5.8	4.1	4.0	-
3271	Concrete block and brick	39.7	43.6	39.5	38.5	-	4.7	6.6	4.0	3.8	-
3272	Concrete products, nec	40.3	42.2	39.5	39.3	-	4.1	4.9	3.7	3.6	-
3273	Ready-mixed concrete	38.2	41.6	37.0	36.6	-	4.3	5.8	3.5	3.7	-
329	Misc. nonmetallic mineral products	42.2	42.8	41.6	41.5	-	4.6	4.6	3.8	3.7	-
3291	Abrasive products	41.2	41.7	40.9	40.3	-	3.6	3.8	3.6	3.2	-
3292	Asbestos products	42.9	43.0	41.8	41.3	-	3.7	3.9	3.4	3.0	-
33	<b>PRIMARY METAL INDUSTRIES</b>	42.1	41.9	40.7	40.5	40.6	4.4	4.3	3.2	3.2	-
331	Blast furnace and basic steel products	42.2	41.6	40.0	39.7	-	4.0	3.7	2.5	2.7	-
3312	Blast furnaces and steel mills	42.1	41.4	39.8	39.6	-	3.9	3.5	2.3	2.7	-
3317	Steel pipe and tubes	42.6	42.6	40.6	40.3	-	4.9	4.7	2.7	2.7	-
332	Iron and steel foundries	41.8	41.9	40.8	40.8	-	4.8	4.7	3.3	3.3	-
3321	Gray iron foundries	41.5	41.9	40.2	39.8	-	4.8	4.8	2.9	2.7	-
3322	Malleable iron foundries	41.2	41.4	40.6	39.8	-	5.0	4.9	3.6	2.9	-
3325	Steel foundries, nec	42.6	42.2	42.6	43.0	-	4.6	4.6	4.3	4.4	-
333	Primary nonferrous metals	41.8	41.6	41.7	41.5	-	3.6	3.8	3.9	3.9	-
3334	Primary aluminum	41.2	41.3	41.2	40.7	-	3.7	3.9	3.8	3.6	-
335	Nonferrous rolling and drawing	42.6	43.3	42.6	41.8	-	5.2	5.6	4.8	4.2	-
3351	Copper rolling and drawing	44.0	44.0	41.8	41.6	-	6.6	6.2	4.6	4.2	-
3353	Aluminum sheet, plate and foil	43.0	44.1	42.9	42.6	-	6.6	7.7	5.9	5.7	-
3357	Nonferrous wire drawing and insulating	42.4	42.9	42.9	41.9	-	4.5	4.8	4.5	4.1	-
336	Nonferrous foundries	41.2	41.1	40.1	40.2	-	3.9	4.0	2.9	2.8	-
3361	Aluminum foundries	41.2	40.9	40.1	40.3	-	4.2	4.3	3.3	3.0	-
34	<b>FABRICATED METAL PRODUCTS</b>	40.9	41.3	40.6	40.4	40.6	3.6	3.7	3.1	3.0	-
341	Metal cans and shipping containers	43.0	43.5	43.7	43.0	-	5.0	5.1	5.1	4.8	-
3411	Metal cans	42.9	43.1	43.8	43.1	-	4.7	4.6	5.1	4.9	-
342	Cutlery, hand tools, and hardware	40.2	40.6	39.7	39.4	-	3.0	3.4	2.5	2.4	-
3423, 5	Hand and edge tools, and hand saws and blades	40.1	40.6	40.0	39.7	-	3.0	3.5	2.7	2.6	-
3429	Hardware, nec	40.2	40.6	39.2	39.0	-	3.0	3.4	2.1	2.1	-
343	Plumbing and heating, except electric	39.4	40.1	40.2	40.2	-	2.8	2.7	3.4	3.1	-
3432	Plumbing fittings and brass goods	40.2	41.2	40.8	40.9	-	3.1	3.2	3.6	3.4	-
3433	Heating equipment, except electric	38.2	39.0	39.1	38.8	-	2.3	2.1	2.8	2.3	-
344	Fabricated structural metal products	39.7	40.1	40.3	39.8	-	2.6	2.7	2.9	2.6	-
3441	Fabricated structural metal	39.8	40.6	40.3	40.3	-	3.3	3.7	3.3	3.2	-
3442	Metal doors, sash, and trim	38.2	38.3	39.2	38.6	-	1.6	1.5	2.3	2.1	-
3443	Fabricated plate work (boiler shops)	40.5	40.9	42.2	41.4	-	2.6	2.6	3.1	2.7	-
3444	Sheet metal work	39.6	40.0	39.1	38.9	-	2.8	3.0	2.9	2.4	-
3445	Architectural metal work	40.2	39.7	39.9	39.6	-	2.2	1.7	2.6	2.4	-
345	Screw machine products, bolts, etc.	43.5	43.6	41.8	41.5	-	5.6	5.7	4.3	4.0	-
3451	Screw machine products	42.8	42.6	42.0	41.5	-	5.7	5.5	4.7	4.5	-
3452	Bolts, nuts, rivets, and washers	44.3	44.7	41.6	41.5	-	5.5	5.9	3.9	3.5	-
346	Metal forgings and stampings	41.8	42.3	40.1	40.0	-	4.6	4.8	3.0	3.0	-
3462	Iron and steel forgings	42.4	43.1	40.2	40.2	-	5.2	5.2	3.7	4.0	-
3465	Automotive stampings	42.0	42.2	39.3	39.3	-	5.2	5.6	2.2	2.1	-
3469	Metal stampings, nec	41.3	41.9	40.4	40.4	-	3.7	3.9	3.1	3.2	-
347	Metal services, nec	40.7	41.1	39.8	40.3	-	3.8	3.8	3.3	3.4	-
3471	Plating and polishing	40.3	41.1	39.4	40.2	-	3.5	3.7	3.0	3.1	-
3479	Metal coating and allied services	41.5	41.2	40.6	40.6	-	4.3	4.1	4.1	4.1	-
348	Ordnance and accessories, nec	40.6	41.2	41.1	41.3	-	2.7	2.6	2.6	2.6	-
3483	Ammunition, exc. for small arms, nec	39.4	40.2	40.0	40.8	-	1.7	1.7	1.7	1.6	-
349	Misc. fabricated metal products	41.2	41.3	41.3	40.9	-	3.6	3.5	3.0	2.9	-
3494	Valves and pipe fittings	41.7	42.1	42.0	41.8	-	3.7	3.7	3.4	3.4	-
3496	Misc. fabricated wire products	40.5	40.7	41.0	40.1	-	3.2	3.5	2.9	2.4	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	42.5	42.6	41.5	41.5	41.5	4.5	4.5	3.9	3.8	-
351	Engines and turbines	42.5	42.3	40.2	40.2	-	4.5	4.3	2.9	3.1	-
3511	Turbines and turbine generator sets	40.8	41.1	39.5	39.6	-	3.8	3.8	3.0	3.2	-
3519	Internal combustion engines, nec	43.0	42.7	40.4	40.4	-	4.7	4.4	2.9	3.1	-
352	Farm and garden machinery	42.6	42.6	41.0	41.2	-	5.8	5.4	3.9	3.8	-
3523	Farm machinery and equipment	43.1	43.0	41.4	41.6	-	6.2	5.7	4.1	4.0	-
353	Construction and related machinery	42.4	42.4	40.7	40.8	-	3.7	3.6	3.4	3.4	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>p</sup>	Mar. 1980 <sup>p</sup>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>p</sup>	Mar. 1980 <sup>p</sup>
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery .....	\$356.59	\$356.16	\$355.42	\$359.45	-	\$8.47	\$8.48	\$9.09	\$9.10	-
3532	Mining machinery .....	330.71	322.24	341.11	346.88	-	7.62	7.60	8.18	8.22	-
3533	Oil field machinery .....	300.24	308.70	325.71	330.65	-	6.95	7.00	7.61	7.78	-
3535	Conveyers and conveying equipment .....	268.16	271.55	298.91	302.41	-	6.40	6.45	7.22	7.34	-
3537	Industrial trucks and tractors .....	292.46	288.01	291.06	291.00	-	6.98	6.94	7.35	7.33	-
354	Metalworking machinery .....	329.45	332.72	351.04	350.04	-	7.42	7.46	7.96	8.01	-
3541	Machine tools, metal cutting types .....	342.45	341.69	367.20	371.17	-	7.61	7.61	8.16	8.23	-
3542	Machine tools, metal forming types .....	327.56	330.71	350.10	348.43	-	7.60	7.62	8.18	8.16	-
3544	Special dies, tools, jigs, and fixtures .....	362.18	366.62	380.88	383.17	-	7.96	7.97	8.54	8.63	-
3545	Machine tool accessories .....	292.28	295.31	324.69	317.89	-	6.75	6.82	7.43	7.41	-
3546	Power driven hand tools .....	244.50	245.78	261.24	253.79	-	5.92	5.98	6.22	6.19	-
355	Special industry machinery .....	282.66	286.28	307.33	306.71	-	6.73	6.80	7.30	7.32	-
3551	Food products machinery .....	297.65	300.42	318.37	320.49	-	7.07	7.17	7.69	7.76	-
3552	Textile machinery .....	227.98	230.88	243.60	246.97	-	5.52	5.55	6.00	5.98	-
3555	Printing trades machinery .....	285.69	290.07	333.52	320.35	-	6.77	6.89	7.58	7.52	-
356	General industrial machinery .....	296.65	300.17	317.82	313.94	-	7.08	7.13	7.64	7.62	-
3561	Pumps and pumping equipment .....	298.07	299.88	314.36	316.11	-	7.08	7.14	7.63	7.71	-
3562	Ball and roller bearings .....	300.33	305.73	325.28	315.42	-	7.10	7.16	7.60	7.51	-
3563	Air and gas compressors .....	302.54	303.64	332.54	335.07	-	7.29	7.37	7.88	7.94	-
3564	Blowers and fans .....	260.53	266.24	290.21	286.53	-	6.37	6.40	7.01	7.04	-
3566	Speed changers, drives, and gears .....	335.98	342.85	359.96	357.01	-	7.55	7.67	8.43	8.48	-
3568	Power transmission equipment, nec .....	296.50	293.16	303.07	303.48	-	6.96	6.98	7.41	7.42	-
357	Office and computing machines .....	244.85	246.10	259.78	263.68	-	5.90	5.93	6.29	6.40	-
3573	Electronic computing equipment .....	244.70	245.61	262.50	266.39	-	5.84	5.89	6.31	6.45	-
358	Refrigeration and service machinery .....	262.44	262.99	275.71	277.90	-	6.48	6.43	6.98	7.00	-
3585	Refrigeration and heating equipment .....	269.58	270.27	282.03	284.89	-	6.64	6.56	7.14	7.14	-
359	Misc. machinery, except electrical .....	296.70	302.67	309.48	313.58	-	6.90	6.99	7.53	7.52	-
3592	Carburetors, pistons, rings, valves .....	351.11	342.66	350.07	356.17	-	8.09	8.12	8.73	8.44	-
3599	Machinery, except electrical, nec .....	286.14	294.50	301.90	305.76	-	6.67	6.77	7.31	7.35	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT .....</b>	<b>248.27</b>	<b>250.71</b>	<b>268.13</b>	<b>269.07</b>	<b>\$271.35</b>	<b>6.13</b>	<b>6.16</b>	<b>6.67</b>	<b>6.71</b>	<b>\$6.75</b>
361	Electric distributing equipment .....	248.62	253.79	269.34	269.72	-	6.20	6.19	6.70	6.76	-
3612	Transformers .....	233.42	241.08	258.15	261.74	-	5.85	5.88	6.47	6.56	-
3613	Switchgear and switchboard apparatus .....	260.90	264.04	278.36	276.51	-	6.49	6.44	6.89	6.93	-
362	Electrical industrial apparatus .....	258.52	260.38	277.44	282.49	-	6.29	6.32	6.80	6.89	-
3621	Motors and generators .....	261.35	264.09	277.71	282.63	-	6.39	6.41	6.79	6.86	-
3622	Industrial controls .....	248.46	250.31	279.62	279.05	-	6.06	6.12	6.82	6.89	-
363	Household appliances .....	247.38	251.43	271.08	272.00	-	6.20	6.27	6.76	6.80	-
3632	Household refrigerators and freezers .....	269.87	268.00	303.07	306.20	-	6.68	6.70	7.41	7.45	-
3633	Household laundry equipment .....	284.07	295.07	323.52	316.01	-	7.21	7.34	7.91	7.92	-
3634	Electric housewares and fans .....	208.68	213.33	218.04	218.18	-	5.31	5.32	5.52	5.58	-
364	Electric lighting and wiring equipment .....	230.52	231.26	246.00	245.52	-	5.72	5.71	6.15	6.20	-
3641	Electric lamps .....	257.71	254.61	273.38	272.40	-	6.18	6.15	6.75	6.81	-
3643	Current-carrying wiring devices .....	215.61	217.75	238.10	237.20	-	5.35	5.35	5.85	5.93	-
3644	Noncurrent-carrying wiring devices .....	233.16	237.10	258.05	256.71	-	5.80	5.84	6.50	6.45	-
3645	Residential lighting fixtures .....	173.74	170.62	184.19	183.71	-	4.56	4.49	4.86	4.86	-
365	Radio and TV receiving equipment .....	217.74	227.18	238.23	242.02	-	5.73	5.84	6.22	6.27	-
3651	Radio and TV receiving sets .....	223.02	232.16	244.86	248.71	-	5.90	6.03	6.41	6.46	-
366	Communication equipment .....	289.10	291.87	318.37	319.66	-	7.00	7.05	7.69	7.74	-
3661	Telephone and telegraph apparatus .....	293.56	294.69	336.80	336.46	-	7.16	7.17	8.00	8.03	-
3662	Radio and TV communication equipment .....	286.62	289.54	305.11	307.16	-	6.89	6.96	7.46	7.51	-
367	Electronic components and accessories .....	208.87	209.79	230.62	230.26	-	5.17	5.18	5.78	5.80	-
3671-3	Electronic tubes .....	267.49	273.31	304.26	303.05	-	6.43	6.57	7.21	7.25	-
3674	Semiconductors and related devices .....	240.66	239.25	266.09	264.06	-	5.73	5.71	6.49	6.52	-
3679	Electronic components, nec .....	193.91	196.18	213.79	214.73	-	4.86	4.88	5.44	5.45	-
369	Misc. electrical equipment and supplies .....	293.66	294.28	293.88	294.36	-	7.18	7.16	7.44	7.49	-
3691	Storage batteries .....	295.80	287.83	293.31	292.94	-	7.25	7.25	7.54	7.55	-
3694	Engine electrical equipment .....	326.03	331.66	319.55	325.40	-	8.09	8.05	8.30	8.43	-
37	<b>TRANSPORTATION EQUIPMENT .....</b>	<b>351.54</b>	<b>356.17</b>	<b>352.08</b>	<b>353.12</b>	<b>360.80</b>	<b>8.35</b>	<b>8.42</b>	<b>8.78</b>	<b>8.85</b>	<b>9.02</b>
371	Motor vehicles and equipment .....	382.17	388.72	361.42	369.74	-	8.95	9.04	9.22	9.29	-
3711	Motor vehicles and car bodies .....	415.51	422.84	384.84	401.20	-	9.53	9.61	9.97	9.98	-
3713	Truck and bus bodies .....	274.03	286.53	304.57	305.33	-	6.92	7.04	7.87	7.91	-
3714	Motor vehicle parts and accessories .....	375.28	380.46	358.20	360.08	-	8.83	8.91	9.00	9.07	-
3715	Truck trailers .....	230.47	229.51	245.12	249.45	-	5.94	5.90	6.40	6.53	-
372	Aircraft and parts .....	342.71	341.97	367.98	371.42	-	7.97	7.99	8.72	8.76	-
3721	Aircraft .....	352.67	349.80	374.95	381.97	-	8.24	8.25	8.97	9.03	-
3724	Aircraft engines and engine parts .....	349.29	353.50	383.87	380.28	-	8.18	8.24	8.99	8.99	-
3728	Aircraft equipment, nec .....	314.32	310.59	334.48	341.06	-	7.16	7.14	7.87	7.95	-
373	Ship and boat building and repairing .....	272.44	276.61	304.52	277.61	-	6.95	6.95	7.69	7.82	-
3731	Shipbuilding and repairing .....	293.92	296.96	321.19	283.52	-	7.46	7.48	8.07	8.29	-
3732	Boat building and repairing .....	216.12	221.29	246.52	257.20	-	5.57	5.56	6.37	6.43	-
374	Railroad equipment .....	356.04	361.47	374.14	376.36	-	8.60	8.71	9.52	9.48	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
	<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>										
3531	Construction machinery	42.1	42.0	39.1	39.5	-	3.0	2.9	2.4	2.5	-
3532	Mining machinery	43.4	42.4	41.7	42.2	-	4.7	3.7	3.6	3.6	-
3533	Oil field machinery	43.2	44.1	42.8	42.5	-	4.4	5.2	5.3	5.2	-
3535	Conveyers and conveying equipment	41.9	42.1	41.4	41.2	-	3.6	3.9	2.8	2.9	-
3537	Industrial trucks and tractors	41.9	41.5	39.6	39.7	-	3.5	3.1	2.6	2.2	-
354	Metalworking machinery	44.4	44.6	44.1	43.7	-	6.4	6.4	6.0	5.8	-
3541	Machine tools, metal cutting types	45.0	44.9	45.0	45.1	-	6.7	6.5	6.6	6.8	-
3542	Machine tools, metal forming types	43.1	43.4	42.8	42.7	-	7.6	7.7	5.8	5.5	-
3544	Special dies, tools, jigs, and fixtures	45.5	46.0	44.6	44.4	-	7.2	7.4	6.7	6.5	-
3545	Machine tool accessories	43.3	43.3	43.7	42.9	-	5.5	5.3	5.6	5.1	-
3546	Power driven hand tools	41.3	41.1	42.0	41.0	-	3.8	3.6	4.3	3.4	-
355	Special industry machinery	42.0	42.1	42.1	41.9	-	4.1	4.2	3.8	3.6	-
3551	Food products machinery	42.1	41.9	41.4	41.3	-	4.1	3.9	3.2	2.9	-
3552	Textile machinery	41.3	41.6	40.6	41.3	-	3.3	3.4	2.7	2.9	-
3555	Printing trades machinery	42.2	42.1	44.0	42.6	-	4.2	4.2	5.1	3.9	-
356	General industrial machinery	41.9	42.1	41.6	41.2	-	4.4	4.5	4.0	3.7	-
3561	Pumps and pumping equipment	42.1	42.0	41.2	41.0	-	4.4	4.3	3.4	3.3	-
3562	Ball and roller bearings	42.3	42.7	42.8	42.0	-	4.9	5.1	4.9	4.3	-
3563	Air and gas compressors	41.5	41.2	42.2	42.2	-	4.3	4.2	5.0	4.9	-
3564	Blowers and fans	40.9	41.6	41.4	40.7	-	3.6	4.0	4.4	3.8	-
3566	Speed changers, drives, and gears	44.5	44.7	42.7	42.1	-	6.1	6.4	4.6	4.6	-
3568	Power transmission equipment, nec	42.6	42.0	40.9	40.9	-	5.2	4.6	2.8	2.5	-
357	Office and computing machines	41.5	41.5	41.3	41.2	-	3.0	2.9	2.7	2.6	-
3573	Electronic computing equipment	41.9	41.7	41.6	41.3	-	3.1	3.0	3.0	2.7	-
358	Refrigeration and service machinery	40.5	40.9	39.5	39.7	-	3.0	2.7	2.1	2.1	-
3585	Refrigeration and heating equipment	40.6	41.2	39.5	39.9	-	3.3	3.0	2.2	2.2	-
359	Misc. machinery, except electrical	43.0	43.3	41.1	41.7	-	5.1	5.2	4.1	4.4	-
3592	Carburetors, pistons, rings, valves	43.4	42.2	40.1	42.2	-	4.8	4.0	2.3	3.6	-
3599	Machinery, except electrical, nec	42.9	43.5	41.3	41.6	-	5.2	5.4	4.4	4.5	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	40.5	40.7	40.2	40.1	40.2	2.9	2.9	2.6	2.5	-
361	Electric distributing equipment	40.1	41.0	40.2	39.9	-	2.8	2.8	2.8	2.4	-
3612	Transformers	39.9	41.0	39.9	39.9	-	3.0	3.1	3.1	2.5	-
3613	Switchgear and switchboard apparatus	40.2	41.0	40.4	39.9	-	2.7	2.6	2.5	2.3	-
362	Electrical industrial apparatus	41.1	41.2	40.8	41.0	-	3.4	3.3	2.9	2.9	-
3621	Motors and generators	40.9	41.2	40.9	41.2	-	3.4	3.4	3.0	3.1	-
3622	Industrial controls	41.0	40.9	41.0	40.5	-	3.0	2.8	2.5	2.4	-
363	Household appliances	39.9	40.1	40.1	40.0	-	2.1	2.2	2.3	2.0	-
3632	Household refrigerators and freezers	40.4	40.0	40.9	41.1	-	1.8	1.5	2.0	2.1	-
3633	Household laundry equipment	39.4	40.2	40.9	39.9	-	.5	1.1	1.7	1.2	-
3634	Electric housewares and fans	39.3	40.1	39.5	39.1	-	2.2	2.3	2.1	2.0	-
364	Electric lighting and wiring equipment	40.3	40.5	40.0	39.6	-	3.0	2.9	2.5	2.4	-
3641	Electric lamps	41.7	41.4	40.5	40.0	-	2.8	2.6	2.0	2.2	-
3643	Current-carrying wiring devices	40.3	40.7	40.7	40.0	-	3.0	2.9	2.9	2.8	-
3644	Noncurrent-carrying wiring devices	40.2	40.6	39.7	39.8	-	2.9	3.1	2.5	2.8	-
3645	Residential lighting fixtures	38.1	38.0	37.9	37.8	-	2.5	2.0	1.8	1.2	-
365	Radio and TV receiving equipment	38.0	38.9	38.3	38.6	-	1.8	2.3	1.4	1.6	-
3651	Radio and TV receiving sets	37.8	38.5	38.2	38.5	-	1.7	1.8	1.5	1.8	-
366	Communication equipment	41.3	41.4	41.4	41.3	-	3.0	3.0	2.9	3.0	-
3661	Telephone and telegraph apparatus	41.0	41.1	42.1	41.9	-	3.4	3.3	3.6	3.5	-
3662	Radio and TV communication equipment	41.6	41.6	40.9	40.9	-	2.7	2.7	2.4	2.6	-
367	Electronic components and accessories	40.4	40.5	39.9	39.7	-	2.9	3.0	2.8	2.8	-
3671-3	Electronic tubes	41.6	41.6	42.2	41.8	-	2.0	2.2	2.6	2.5	-
3674	Semiconductors and related devices	42.0	41.9	41.0	40.5	-	3.9	3.7	3.7	3.9	-
3679	Electronic components, nec	39.9	40.2	39.3	39.4	-	2.9	3.0	2.5	2.4	-
369	Misc. electrical equipment and supplies	40.9	41.1	39.5	39.3	-	3.6	3.4	1.7	1.6	-
3691	Storage batteries	40.8	39.7	38.9	38.8	-	3.9	3.1	1.9	1.6	-
3694	Engine electrical equipment	40.3	41.2	38.5	38.6	-	3.5	3.5	.9	1.1	-
37	<b>TRANSPORTATION EQUIPMENT</b>	42.1	42.3	40.1	39.9	40.0	5.2	5.1	3.1	3.1	-
371	Motor vehicles and equipment	42.7	43.0	39.2	39.8	-	6.2	6.0	2.3	2.5	-
3711	Motor vehicles and car bodies	43.6	44.0	38.6	40.2	-	7.4	7.1	2.5	2.8	-
3713	Truck and bus bodies	39.6	40.7	38.7	38.6	-	3.8	4.1	2.8	2.7	-
3714	Motor vehicle parts and accessories	42.5	42.7	39.8	39.7	-	5.6	5.4	2.2	2.4	-
3716	Truck trailers	38.8	38.9	38.3	38.2	-	2.8	2.3	1.5	1.6	-
372	Aircraft and parts	43.0	42.8	42.2	42.4	-	4.9	4.8	4.5	4.3	-
3721	Aircraft	42.8	42.4	41.8	42.3	-	4.3	4.3	3.8	3.5	-
3724	Aircraft engines and engine parts	42.7	42.9	42.7	42.3	-	5.2	5.3	5.1	5.0	-
3728	Aircraft equipment, nec	43.9	43.5	42.5	42.9	-	5.7	5.4	5.2	5.3	-
373	Ship and boat building and repairing	39.2	39.8	39.6	35.5	-	2.6	2.7	3.7	3.1	-
3731	Ship building and repairing	39.4	39.7	39.8	34.2	-	2.6	2.7	3.9	3.0	-
3732	Boat building and repairing	38.8	39.8	38.7	40.0	-	2.6	2.7	3.0	3.2	-
374	Railroad equipment	41.4	41.5	39.3	39.7	-	4.7	4.5	3.5	3.4	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>
	<b>TRANSPORTATION EQUIPMENT—Continued</b>										
376	Guided missiles, space vehicles, parts	\$345.77	\$339.52	\$364.00	\$366.96	-	\$8.06	\$7.97	\$8.75	\$8.80	-
3761	Guided missiles and space vehicles	347.75	336.96	372.44	374.88	-	8.26	8.10	8.91	8.99	-
379	Miscellaneous transportation equipment	216.78	221.19	241.93	256.13	-	5.75	5.93	6.61	6.67	-
3792	Travel trailers and campers	191.63	193.64	199.63	225.00	-	5.25	5.47	5.82	6.00	-
	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	246.82	249.45	269.37	268.46	\$270.91	6.02	6.04	6.57	6.58	\$6.64
38	Engineering and scientific instruments	260.60	267.13	266.02	281.52	-	6.31	6.33	6.81	6.80	-
382	Measuring and controlling devices	250.28	254.79	279.30	276.30	-	6.06	6.11	6.65	6.69	-
3822	Environmental controls	229.43	238.86	249.07	250.31	-	5.75	5.84	6.06	6.15	-
3823	Process control instruments	259.34	262.84	284.23	284.91	-	6.16	6.17	6.61	6.58	-
3825	Instruments to measure electricity	266.49	267.55	310.89	300.44	-	6.30	6.34	7.23	7.31	-
383	Optical instruments and lenses	298.03	299.92	300.17	302.56	-	6.55	6.52	7.13	7.02	-
384	Medical instruments and supplies	205.01	206.59	220.64	221.60	-	5.19	5.23	5.60	5.61	-
3841	Surgical and medical instruments	200.69	200.88	210.28	212.40	-	4.98	5.06	5.31	5.31	-
3842	Surgical appliances and supplies	209.97	212.91	228.73	229.32	-	5.37	5.39	5.82	5.85	-
385	Ophthalmic goods	184.21	187.63	201.37	203.30	-	4.76	4.75	5.15	5.16	-
386	Photographic equipment and supplies	328.79	328.36	351.90	354.85	-	7.70	7.69	8.50	8.53	-
387	Watches, clocks, and watchcases	183.14	185.00	200.31	201.22	-	4.66	4.66	5.11	5.12	-
	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	191.07	194.04	207.62	206.27	208.36	4.95	4.95	5.31	5.33	5.37
391	Jewelry, silverware, and plated ware	189.12	193.03	208.12	210.48	-	4.99	5.04	5.35	5.51	-
3911	Jewelry, precious metal	183.52	183.89	206.19	210.21	-	4.96	4.93	5.26	5.46	-
393	Musical instruments	185.16	188.25	205.15	209.61	-	4.76	4.79	5.22	5.32	-
394	Toys and sporting goods	175.34	178.16	186.73	185.27	-	4.59	4.58	4.85	4.85	-
3942, 4	Dolls, games, toys, and children's vehicles	169.27	172.48	180.78	180.10	-	4.49	4.48	4.77	4.79	-
3949	Sporting and athletic goods, nec	180.26	183.06	191.88	190.12	-	4.67	4.67	4.92	4.90	-
395	Pens, pencils, office and art supplies	205.60	206.76	222.08	219.23	-	5.14	5.08	5.47	5.44	-
396	Costume jewelry and notions	159.94	161.93	171.38	173.34	-	4.22	4.25	4.57	4.61	-
3961	Costume jewelry	146.77	148.27	154.15	156.80	-	4.01	4.04	4.27	4.38	-
399	Miscellaneous manufactures	217.33	220.80	233.83	230.30	-	5.53	5.52	5.89	5.89	-
3993	Signs and advertising displays	225.81	231.20	237.00	239.09	-	5.79	5.78	6.14	6.21	-
	<b>NONDURABLE GOODS</b>										
	<b>FOOD AND KINDRED PRODUCTS</b>	239.12	242.35	261.49	259.62	259.74	6.10	6.12	6.62	6.64	6.66
20	Meat products	236.36	241.88	266.06	260.06	-	6.22	6.25	6.77	6.79	-
2011	Meat packing plants	296.80	302.65	344.42	335.38	-	7.42	7.51	8.22	8.20	-
2013	Sausages and other prepared meats	275.58	278.95	301.86	301.48	-	7.03	7.08	7.76	7.77	-
2016	Poultry dressing plants	138.95	145.20	153.72	148.94	-	3.97	4.00	4.27	4.28	-
202	Dairy products	251.53	254.20	268.87	273.06	-	6.12	6.14	6.59	6.66	-
2022	Cheese, natural and processed	230.84	238.73	239.38	245.25	-	5.80	5.88	6.25	6.37	-
2026	Fluid milk	261.88	261.25	282.99	285.76	-	6.25	6.25	6.77	6.82	-
203	Preserved fruits and vegetables	200.97	204.09	219.57	217.70	-	5.22	5.26	5.63	5.64	-
2032	Canned specialties	242.40	243.98	238.45	221.79	-	6.06	5.98	6.41	6.41	-
2033	Canned fruits and vegetables	204.23	204.67	218.09	223.26	-	5.25	5.33	5.65	5.71	-
2037	Frozen fruits and vegetables	184.62	188.44	212.40	201.17	-	4.91	4.92	5.35	5.28	-
204	Grain mill products	284.26	283.82	315.79	310.79	-	6.58	6.57	7.31	7.33	-
2041	Flour and other grain mill products	310.36	303.79	328.55	322.37	-	6.99	6.92	7.35	7.36	-
2048	Prepared feeds, nec	233.99	234.96	266.03	253.55	-	5.33	5.34	6.06	5.98	-
205	Bakery products	240.38	243.18	263.58	262.96	-	6.26	6.30	6.90	6.92	-
2051	Bread, cake, and related products	240.28	241.42	260.94	264.54	-	6.29	6.32	6.94	6.98	-
2052	Cookies and crackers	240.79	246.48	271.88	259.20	-	6.19	6.24	6.78	6.75	-
206	Sugar and confectionery products	226.38	231.21	245.24	247.04	-	5.88	5.99	6.42	6.40	-
2061-3	Cane and beet sugar	277.80	279.17	299.53	316.41	-	6.98	7.14	7.70	7.93	-
2065	Confectionery products	194.25	202.54	212.63	211.48	-	5.18	5.33	5.67	5.58	-
207	Fats and oils	278.17	275.62	299.03	292.71	-	6.38	6.38	6.66	6.76	-
208	Beverages	285.26	294.26	304.56	310.40	-	7.24	7.32	7.73	7.76	-
2082	Malt beverages	409.76	416.91	426.42	445.22	-	9.85	9.95	10.35	10.33	-
2086	Bottled and canned soft drinks	206.27	212.51	222.90	224.84	-	5.33	5.38	5.73	5.84	-
209	Misc. foods and kindred products	205.96	207.87	215.59	213.86	-	5.42	5.33	5.78	5.78	-
	<b>TOBACCO MANUFACTURES</b>	236.39	252.98	266.66	270.84	285.01	6.53	6.64	7.13	7.32	7.56
21	Cigarettes	274.72	293.76	315.09	318.75	-	7.61	7.69	8.38	8.50	-
	<b>TEXTILE MILL PRODUCTS</b>	179.50	182.61	200.41	199.92	199.84	4.51	4.52	4.90	4.90	4.91
221	Weaving mills, cotton	191.99	196.09	215.48	212.43	-	4.66	4.68	5.07	5.07	-
222	Weaving mills, synthetics	194.94	196.35	217.24	213.50	-	4.72	4.72	5.16	5.12	-
223	Weaving and finishing mills, wool	185.14	187.68	203.50	200.09	-	4.56	4.60	5.00	5.04	-
224	Narrow fabric mills	168.44	171.78	184.37	183.42	-	4.19	4.20	4.53	4.54	-
225	Knitting mills	154.98	160.27	177.49	181.17	-	4.20	4.24	4.61	4.61	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours					
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	
	<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts .....	42.9	42.6	41.6	41.7	-	5.3	4.5	3.8	4.0	-	
3761	Guided missiles and space vehicles .....	42.1	41.6	41.8	41.7	-	4.7	3.6	3.3	3.5	-	
379	Miscellaneous transportation equipment .....	37.7	37.3	36.6	38.4	-	1.6	1.4	1.5	1.1	-	
3792	Travel trailers and campers .....	36.5	35.4	34.3	37.5	-	1.2	.9	1.2	1.3	-	
	<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	41.0	41.3	41.0	40.8	40.8	2.8	2.8	2.5	2.5	-	
381	Engineering and scientific instruments .....	41.3	42.2	42.0	41.4	-	3.2	3.7	3.5	3.1	-	
382	Measuring and controlling devices .....	41.3	41.7	42.0	41.3	-	2.8	2.7	2.6	2.6	-	
3822	Environmental controls .....	39.9	40.9	41.1	40.7	-	2.4	1.7	2.0	1.9	-	
3823	Process control instruments .....	42.1	42.6	43.0	43.3	-	3.6	3.6	4.1	4.2	-	
3825	Instruments to measure electricity .....	42.3	42.2	43.0	41.1	-	2.3	2.4	2.1	1.9	-	
383	Optical instruments and lenses .....	45.5	46.0	42.1	43.1	-	4.6	4.7	3.6	3.7	-	
384	Medical instruments and supplies .....	39.5	39.5	39.4	39.5	-	2.7	2.4	2.1	2.3	-	
3841	Surgical and medical instruments .....	40.3	39.7	39.6	40.0	-	3.6	2.9	2.3	2.5	-	
3842	Surgical appliances and supplies .....	39.1	39.5	39.3	39.2	-	2.1	2.1	2.1	2.3	-	
385	Ophthalmic goods .....	38.7	39.5	39.1	39.4	-	1.8	2.1	2.0	1.8	-	
386	Photographic equipment and supplies .....	42.7	42.7	41.4	41.6	-	3.5	3.4	2.8	3.0	-	
387	Watches, clocks, and watchcases .....	39.3	39.7	39.2	39.3	-	1.3	1.7	1.3	1.4	-	
	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....	38.6	39.2	39.1	38.7	38.8	2.1	2.3	2.2	2.1	-	
391	Jewelry, silverware, and plated ware .....	37.9	38.3	38.9	38.2	-	1.9	2.1	2.6	2.3	-	
3911	Jewelry, precious metal .....	37.0	37.3	39.2	38.5	-	1.7	1.8	3.3	2.9	-	
393	Musical instruments .....	38.9	39.3	39.3	39.4	-	1.5	1.5	1.3	1.6	-	
394	Toys and sporting goods .....	38.2	38.9	38.5	38.2	-	1.7	2.0	1.8	1.5	-	
3942, 4	Dolls, games, toys, and children's vehicles .....	37.7	38.5	37.9	37.6	-	1.6	1.8	1.4	1.2	-	
3949	Sporting and athletic goods, nec .....	38.6	39.2	39.0	38.8	-	1.9	2.1	2.1	1.7	-	
395	Pens, pencils, office and art supplies .....	40.0	40.7	40.6	40.3	-	2.2	2.7	2.8	2.5	-	
396	Costume jewelry and notions .....	37.9	38.1	37.5	37.6	-	2.0	2.2	2.3	2.2	-	
3961	Costume jewelry .....	36.6	36.7	36.1	35.8	-	1.6	1.7	1.5	1.3	-	
399	Miscellaneous manufactures .....	39.3	40.0	39.7	39.1	-	2.6	2.7	2.4	2.4	-	
3993	Signs and advertising displays .....	39.0	40.0	38.6	38.5	-	2.4	2.7	2.1	2.0	-	
	<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	39.2	39.6	39.5	39.1	39.0	3.5	3.6	3.7	3.3	-	
201	Meat products .....	38.0	38.7	39.3	38.3	-	3.2	3.5	4.1	3.3	-	
2011	Meat packing plants .....	40.0	40.3	41.9	40.9	-	3.8	4.0	5.4	4.5	-	
2013	Sausages and other prepared meats .....	39.2	39.4	38.9	38.8	-	3.5	3.8	3.2	3.0	-	
2016	Poultry dressing plants .....	35.0	36.3	36.0	34.8	-	2.3	2.7	2.7	2.1	-	
202	Dairy products .....	41.1	41.4	40.8	41.0	-	3.8	3.9	3.7	3.8	-	
2022	Cheese, natural and processed .....	39.8	40.6	38.3	38.5	-	3.6	3.8	2.8	3.4	-	
2026	Fluid milk .....	41.9	41.8	41.8	41.9	-	4.0	4.1	4.1	4.2	-	
203	Preserved fruits and vegetables .....	38.5	38.8	39.0	38.6	-	3.0	2.8	3.9	3.0	-	
2032	Canned specialties .....	40.0	40.8	37.2	34.6	-	4.9	4.3	9.1	4.3	-	
2033	Canned fruits and vegetables .....	38.9	38.4	38.6	39.1	-	2.9	2.7	2.8	2.3	-	
2037	Frozen fruits and vegetables .....	37.6	38.3	39.7	38.1	-	2.7	2.8	4.5	3.1	-	
204	Grain mill products .....	43.2	43.2	43.2	42.4	-	6.2	6.0	6.3	5.5	-	
2041	Flour and other grain mill products .....	44.4	43.9	44.7	43.8	-	6.6	6.9	6.5	5.6	-	
2048	Prepared feeds, nec .....	43.9	44.0	43.9	42.4	-	6.5	6.2	6.7	5.7	-	
205	Bakery products .....	38.4	38.6	38.2	38.0	-	3.1	3.2	2.9	2.9	-	
2051	Bread, cake, and related products .....	38.2	38.2	37.6	37.9	-	3.4	3.5	3.0	3.2	-	
2052	Cookies and crackers .....	38.9	39.5	40.1	38.4	-	2.1	2.3	2.5	1.8	-	
206	Sugar and confectionery products .....	38.5	38.6	38.2	38.6	-	2.8	3.0	1.9	1.8	-	
2061-3	Cane and beet sugar .....	39.8	39.1	38.9	39.9	-	4.5	4.7	1.0	1.0	-	
2065	Confectionery products .....	37.5	38.0	37.5	37.9	-	2.2	2.5	2.3	2.0	-	
207	Fats and oils .....	43.6	43.2	44.9	43.3	-	6.0	5.5	6.0	5.4	-	
208	Beverages .....	39.4	40.2	39.4	40.0	-	3.5	3.7	3.4	3.4	-	
2082	Malt beverages .....	41.6	41.9	41.2	43.1	-	5.5	5.5	5.1	5.3	-	
2086	Bottled and canned soft drinks .....	38.7	39.5	38.9	38.5	-	2.8	3.1	3.0	2.9	-	
209	Misc. foods and kindred products .....	38.0	39.0	37.3	37.0	-	2.9	3.2	2.6	2.6	-	
	<b>TOBACCO MANUFACTURES</b> .....	36.2	38.1	37.4	37.0	37.7	.8	.9	1.3	.8	-	
211	Cigarettes .....	36.1	38.2	37.6	37.5	-	.4	.6	1.4	.7	-	
	<b>TEXTILE MILL PRODUCTS</b> .....	39.8	40.4	40.9	40.8	40.7	3.4	3.6	3.7	3.7	-	
221	Weaving mills, cotton .....	41.2	41.9	42.5	41.9	-	4.2	4.6	4.8	4.6	-	
222	Weaving mills, synthetics .....	41.3	41.6	42.1	41.7	-	4.0	4.0	4.3	4.0	-	
223	Weaving and finishing mills, wool .....	40.6	40.8	40.7	39.7	-	3.6	3.7	3.5	3.1	-	
224	Narrow fabric mills .....	40.2	40.9	40.7	40.4	-	2.7	3.1	3.2	3.2	-	
225	Knitting mills .....	36.9	37.8	38.5	39.3	-	2.3	2.4	2.7	3.0	-	

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	\$144.80	\$154.28	\$167.37	\$160.21	-	\$4.00	\$4.06	\$4.37	\$4.33	-
2252	Hosiery, nec	139.74	146.03	161.94	168.30	-	3.97	3.99	4.33	4.36	-
2253	Knit outerwear mills	147.03	151.37	172.07	177.06	-	4.13	4.17	4.54	4.54	-
2254	Knit underwear mills	145.20	145.08	155.94	162.95	-	4.00	4.03	4.43	4.44	-
2257	Circular knit fabric mills	183.88	189.72	213.35	220.11	-	4.62	4.65	5.02	5.06	-
226	Textile finishing, except wool	195.77	195.43	218.20	216.52	-	4.81	4.79	5.22	5.23	-
2261	Finishing plants, cotton	200.72	197.88	221.96	222.79	-	4.86	4.85	5.31	5.33	-
2262	Finishing plants, synthetics	204.72	204.50	224.64	220.45	-	5.03	5.00	5.40	5.39	-
227	Floor covering mills	192.56	193.12	198.45	198.45	-	4.64	4.62	4.90	4.90	-
228	Yarn and thread mills	167.56	170.07	190.49	189.52	-	4.21	4.22	4.59	4.60	-
2281	Yarn mills, except wool	169.24	172.16	195.89	193.58	-	4.21	4.23	4.62	4.62	-
2282	Throwing and winding mills	157.10	160.33	171.16	175.92	-	4.07	4.09	4.40	4.42	-
229	Miscellaneous textile goods	203.03	206.91	222.91	220.42	-	4.94	4.95	5.32	5.35	-
<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>											
23	Men's and boys' suits and coats	145.53	148.33	156.64	157.88	\$159.65	4.17	4.19	4.45	4.46	\$4.51
231	Men's and boys' suits and coats	175.24	178.82	190.08	188.86	-	5.05	5.08	5.40	5.35	-
232	Men's and boys' furnishings	136.35	137.47	152.21	152.21	-	3.83	3.84	4.17	4.17	-
2321	Men's and boys' shirts and nightwear	133.89	135.00	147.65	148.47	-	3.74	3.75	4.09	4.09	-
2327	Men's and boys' separate trousers	138.13	137.94	152.80	153.22	-	3.88	3.93	4.28	4.28	-
2328	Men's and boys' work clothing	137.97	139.48	154.28	151.93	-	3.78	3.78	4.06	4.03	-
233	Women's and misses' outerwear	137.45	141.02	146.19	150.19	-	4.14	4.16	4.43	4.47	-
2331	Women's and misses' blouses and waists	131.43	134.94	142.04	144.70	-	3.90	3.90	4.24	4.17	-
2335	Women's and misses' dresses	134.62	138.35	141.44	146.06	-	4.22	4.27	4.49	4.55	-
2337	Women's and misses' suits and coats	142.65	145.85	155.43	159.06	-	4.43	4.38	4.71	4.82	-
2339	Women's and misses' outerwear, nec	141.45	143.82	150.68	153.04	-	4.03	4.04	4.33	4.36	-
234	Women's and children's undergarments	133.73	135.61	144.99	148.06	-	3.81	3.82	4.05	4.09	-
2341	Women's and children's underwear	130.88	132.40	144.44	147.86	-	3.75	3.74	3.99	4.04	-
2342	Brassieres and allied garments	145.48	148.63	147.65	148.52	-	4.03	4.14	4.33	4.33	-
236	Children's outerwear	136.06	136.76	149.09	150.33	-	3.79	3.82	4.13	4.13	-
2361	Children's dresses and blouses	134.55	133.18	144.18	145.71	-	3.79	3.72	4.05	4.07	-
238	Misc. apparel and accessories	142.04	148.64	155.14	156.09	-	3.99	4.05	4.37	4.36	-
239	Misc. fabricated textile products	177.82	184.30	180.93	182.28	-	4.78	4.85	4.89	4.90	-
2391	Curtains and draperies	131.77	138.00	139.30	145.24	-	3.63	3.68	3.98	3.99	-
2392	House furnishing, nec	153.71	155.45	166.06	166.82	-	4.11	4.08	4.37	4.39	-
2382	Automotive and apparel trimmings	291.41	313.16	281.22	277.06	-	7.53	7.99	7.58	7.57	-
<b>PAPER AND ALLIED PRODUCTS</b>											
26	Paper and pulp mills	288.23	293.09	318.65	317.25	319.27	6.83	6.88	7.48	7.50	7.53
261, 2, 6	Paper and pulp mills	354.49	355.16	389.34	388.47	-	7.86	7.91	8.71	8.71	-
262	Paper mills, except building paper	357.63	357.08	390.57	391.47	-	7.86	7.90	8.66	8.68	-
263	Paperboard mills	349.96	356.33	385.82	382.77	-	7.99	8.08	8.83	8.84	-
264	Misc. converted paper products	249.29	252.77	273.16	271.73	-	6.11	6.15	6.63	6.66	-
2641	Paper coating and glazing	302.84	308.52	313.90	308.06	-	6.93	6.98	7.30	7.30	-
2642	Envelopes	230.45	230.28	245.41	243.36	-	5.69	5.70	6.12	6.13	-
2643	Bags, except textile bags	236.16	238.14	262.50	256.82	-	5.76	5.78	6.28	6.31	-
265	Paperboard containers and boxes	248.68	255.02	276.89	276.30	-	6.11	6.16	6.64	6.69	-
2651	Folding paperboard boxes	253.78	253.37	284.76	280.13	-	6.22	6.21	6.78	6.75	-
2653	Corrugated and solid fiber boxes	263.45	272.39	292.29	293.44	-	6.41	6.47	6.91	6.97	-
2654	Sanitary food containers	226.80	235.25	256.85	256.94	-	5.67	5.71	6.28	6.36	-
<b>PRINTING AND PUBLISHING</b>											
27	Newspapers	251.03	255.23	267.84	268.62	272.29	6.73	6.77	7.20	7.26	7.30
271	Newspapers	243.19	242.14	247.42	251.50	-	7.09	7.08	7.43	7.53	-
272	Periodicals	232.79	235.69	233.83	239.73	-	6.11	6.17	6.70	6.83	-
273	Books	227.15	231.86	248.07	246.53	-	5.90	5.93	6.41	6.42	-
2731	Book publishing	215.67	221.13	233.78	236.78	-	5.53	5.57	6.12	6.15	-
2732	Book printing	240.92	245.25	264.88	258.14	-	6.34	6.37	6.74	6.74	-
274	Miscellaneous publishing	205.42	207.20	220.53	219.56	-	5.92	5.92	6.16	6.19	-
275	Commercial printing	266.88	273.78	287.25	287.27	-	6.95	7.02	7.50	7.54	-
2751	Commercial printing, letterpress	248.03	253.22	264.00	262.92	-	6.51	6.56	7.04	7.03	-
2752	Commercial printing, lithographic	277.53	285.32	298.37	301.47	-	7.19	7.26	7.69	7.79	-
276	Manifold business forms	262.52	266.33	299.75	288.46	-	6.45	6.48	7.12	7.14	-
278	Blankbooks and bookbinding	200.20	206.17	216.84	214.23	-	5.20	5.30	5.56	5.55	-
279	Printing trade services	337.55	340.74	359.91	365.77	-	8.93	8.92	9.30	9.55	-
<b>CHEMICALS AND ALLIED PRODUCTS</b>											
28	Industrial inorganic chemicals	305.24	308.38	331.93	332.38	336.49	7.32	7.36	7.96	7.99	8.05
281	Industrial inorganic chemicals	331.85	333.06	364.11	363.66	-	7.92	7.93	8.69	8.70	-
2819	Industrial inorganic chemicals, nec	326.65	328.27	364.42	364.88	-	7.89	7.91	8.76	8.75	-
282	Plastics materials and synthetics	300.04	301.73	326.93	331.40	-	7.11	7.15	7.84	7.94	-
2821	Plastics materials and resins	333.94	337.31	362.95	370.64	-	7.73	7.79	8.50	8.68	-
2824	Organic fibers, noncellulosic	280.80	280.54	305.93	311.19	-	6.75	6.76	7.48	7.59	-
283	Drugs	276.86	279.45	308.26	307.69	-	6.72	6.75	7.41	7.45	-
2834	Pharmaceutical preparations	266.34	270.60	293.04	291.82	-	6.56	6.60	7.13	7.17	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	36.2	38.0	38.3	37.0	-	2.0	2.6	2.3	1.9	-
2252	Hosiery, nec	35.2	36.6	37.4	38.6	-	1.8	1.8	1.9	2.3	-
2253	Knit outerwear mills	35.6	36.3	37.9	39.0	-	1.8	1.7	2.4	2.9	-
2254	Knit underwear mills	36.3	36.0	35.2	36.7	-	1.4	1.2	1.1	1.5	-
2257	Circular knit fabric mills	39.8	40.8	42.5	43.5	-	4.1	4.6	5.5	5.6	-
226	Textile finishing, except wool	40.7	40.8	41.8	41.4	-	3.7	3.4	3.8	3.8	-
2261	Finishing plants, cotton	41.3	40.8	41.8	41.8	-	3.8	3.3	4.0	3.7	-
2262	Finishing plants, synthetics	40.7	40.9	41.6	40.9	-	4.1	3.8	3.5	3.6	-
227	Floor covering mills	41.5	41.8	40.5	40.5	-	4.5	4.4	3.3	3.1	-
228	Yarn and thread mills	39.8	40.3	41.5	41.2	-	3.3	3.5	4.0	4.0	-
2281	Yarn mills, except wool	40.2	40.7	42.4	41.9	-	3.6	3.8	4.5	4.5	-
2282	Throwing and winding mills	38.6	39.2	38.9	39.8	-	2.8	3.2	2.3	3.0	-
229	Miscellaneous textile goods	41.1	41.8	41.9	41.2	-	3.6	3.9	3.5	3.3	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	34.9	35.4	35.2	35.4	35.4	1.0	1.1	1.0	1.0	-
231	Men's and boys' suits and coats	34.7	35.2	35.2	35.3	-	.8	.7	.6	.7	-
232	Men's and boys' furnishings	35.6	35.8	36.5	36.5	-	.8	.8	1.2	1.1	-
2321	Men's and boys' shirts and nightwear	35.8	36.0	36.1	36.3	-	1.0	1.0	1.0	1.1	-
2327	Men's and boys' separate trousers	35.6	35.1	35.7	35.8	-	.6	.6	1.1	1.0	-
2328	Men's and boys' work clothing	36.5	36.9	38.0	37.7	-	.8	.9	1.4	1.3	-
233	Women's and misses' outerwear	33.2	33.9	33.0	33.6	-	1.0	1.1	.9	1.0	-
2331	Women's and misses' blouses and waists	33.7	34.6	33.5	34.7	-	.9	1.1	.8	1.0	-
2335	Women's and misses' dresses	31.9	32.4	31.5	32.1	-	.9	1.1	.6	.8	-
2337	Women's and misses' suits and coats	32.2	33.3	33.0	33.0	-	.6	.8	.7	.7	-
2339	Women's and misses' outerwear, nec	35.1	35.6	34.8	35.1	-	1.2	1.3	1.3	1.3	-
234	Women's and children's undergarments	35.1	35.5	35.8	36.2	-	.8	.9	1.0	1.0	-
2341	Women's and children's underwear	34.9	35.4	36.2	36.6	-	.8	.9	1.1	1.1	-
2342	Brasieres and allied garments	36.1	35.9	34.1	34.3	-	.8	.9	.6	.7	-
236	Children's outerwear	35.9	35.8	36.1	36.4	-	1.4	1.2	1.3	1.3	-
2361	Children's dresses and blouses	35.5	35.8	35.6	35.8	-	1.6	1.2	.9	1.1	-
238	Misc. apparel and accessories	35.6	36.7	35.5	35.8	-	1.0	1.3	.7	.9	-
239	Misc. fabricated textile products	37.2	38.0	37.0	37.2	-	1.5	1.8	1.0	1.2	-
2391	Curtains and draperies	36.3	37.5	35.0	36.4	-	.9	.9	.5	1.0	-
2392	House furnishings, nec	37.4	38.1	38.0	38.0	-	1.4	1.4	1.6	1.6	-
2396	Automotive and apparel trimmings	38.7	40.2	37.1	36.6	-	2.4	3.6	.3	.4	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	42.2	42.6	42.6	42.3	42.4	4.6	4.7	4.4	4.1	-
261, 2, 6	Paper and pulp mills	45.1	44.9	44.7	44.6	-	6.6	6.4	6.8	6.6	-
262	Paper mills, except building paper	45.5	45.2	45.1	45.1	-	6.7	6.5	6.8	6.7	-
263	Paperboard mills	43.8	44.1	43.7	43.3	-	6.7	6.8	7.2	6.9	-
264	Misc. converted paper products	40.8	41.1	41.2	40.8	-	3.5	3.5	3.4	3.1	-
2641	Paper coating and glazing	43.7	44.2	43.0	42.2	-	5.8	5.6	4.3	3.7	-
2642	Envelopes	40.5	40.4	40.1	39.7	-	2.9	3.1	3.4	2.8	-
2643	Bags, except textile bags	41.0	41.2	41.8	40.7	-	3.5	3.5	3.3	3.0	-
265	Paperboard containers and boxes	40.7	41.4	41.7	41.3	-	3.2	3.5	2.2	2.0	-
2651	Folding paperboard boxes	40.8	40.8	42.0	41.5	-	2.9	3.1	3.4	3.2	-
2653	Corrugated and solid fiber boxes	41.1	42.1	42.3	42.1	-	3.6	4.2	1.3	1.1	-
2654	Sanitary food containers	40.0	41.2	40.9	40.4	-	2.8	3.2	2.8	2.9	-
27	<b>PRINTING AND PUBLISHING</b>	37.3	37.7	37.2	37.0	37.3	2.8	3.1	2.6	2.5	-
271	Newspapers	34.3	34.2	33.3	33.4	-	1.9	2.0	1.5	1.8	-
272	Periodicals	38.1	38.2	34.9	35.1	-	2.8	2.6	1.7	2.1	-
273	Books	38.5	39.1	38.7	38.4	-	3.4	3.9	3.0	2.9	-
2731	Book publishing	39.0	39.7	38.2	38.5	-	2.2	3.0	1.9	2.0	-
2732	Book printing	38.0	38.5	39.3	38.3	-	4.6	5.0	4.2	3.9	-
274	Miscellaneous publishing	34.7	35.0	35.8	35.7	-	2.2	2.1	2.1	1.7	-
275	Commercial printing	38.4	39.0	38.3	38.1	-	3.2	3.7	2.9	2.9	-
2751	Commercial printing, letterpress	38.1	38.6	37.5	37.4	-	2.9	3.2	2.3	2.4	-
2752	Commercial printing, lithographic	38.6	39.3	38.8	38.7	-	3.4	3.9	3.2	3.3	-
276	Manifold business forms	40.7	41.1	42.1	40.4	-	3.3	3.5	4.4	3.3	-
278	Blankbooks and bookbinding	38.5	38.9	39.0	38.6	-	1.8	2.2	2.7	1.9	-
279	Printing trade service	37.8	38.2	38.7	38.3	-	3.2	3.5	3.8	3.3	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	41.7	41.9	41.7	41.6	41.8	3.4	3.5	3.3	3.2	-
281	Industrial inorganic chemicals	41.9	42.0	41.9	41.8	-	3.6	3.4	3.4	3.5	-
2819	Industrial inorganic chemicals, nec	41.4	41.5	41.6	41.7	-	2.9	2.9	3.3	3.1	-
282	Plastics materials and synthetics	42.2	42.2	41.7	41.7	-	3.5	3.3	3.2	3.1	-
2821	Plastics materials and resins	43.2	43.3	42.7	42.7	-	4.4	4.3	4.3	4.4	-
2824	Organic fibers, noncellulosic	41.6	41.5	40.9	41.0	-	2.7	2.4	2.2	2.0	-
283	Drugs	41.2	41.4	41.6	41.3	-	2.7	3.0	3.1	2.8	-
2834	Pharmaceutical preparations	40.6	41.0	41.1	40.7	-	2.5	3.0	3.0	2.5	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods .....	\$280.00	\$285.63	\$298.15	\$290.94	-	\$7.00	\$7.07	\$7.38	\$7.31	-
2841	Soap and other detergents .....	386.10	392.64	415.90	406.56	-	9.00	9.11	9.74	9.68	-
2844	Toilet preparations .....	215.27	219.65	226.18	220.79	-	5.68	5.72	5.77	5.72	-
2842, 3	Polishing, sanitation, and finishing preparations .....	250.11	257.68	269.28	267.44	-	6.30	6.41	6.80	6.84	-
285	Paints and allied products .....	270.76	278.72	284.52	284.71	-	6.62	6.70	7.07	7.10	-
286	Industrial organic chemicals .....	371.06	379.26	395.47	396.26	-	8.69	8.82	9.24	9.28	-
2865	Cyclic crudes and intermediates .....	342.34	354.01	367.22	369.73	-	8.19	8.31	8.56	8.72	-
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	382.30	388.33	406.17	406.17	-	8.87	9.01	9.49	9.49	-
287	Agricultural chemicals .....	296.52	297.82	334.97	336.59	-	7.01	6.91	7.79	7.72	-
289	Miscellaneous chemical products .....	281.25	282.62	305.53	306.53	-	6.81	6.81	7.38	7.44	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	388.57	407.78	342.23	364.72	\$353.47	9.10	9.31	9.48	9.21	\$9.11
291	Petroleum refining .....	416.50	439.62	355.35	398.24	-	9.80	10.06	10.33	10.48	-
295	Paving and roofing materials .....	297.84	308.22	301.70	308.31	-	6.80	6.88	7.00	7.17	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....	240.61	242.60	251.88	249.77	253.03	5.84	5.86	6.25	6.26	6.31
301	Tires and inner tubes .....	377.10	368.24	374.24	370.24	-	8.38	8.35	9.15	9.21	-
302	Rubber and plastics footwear .....	153.87	153.85	179.14	172.43	-	4.06	4.07	4.38	4.41	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	247.46	247.10	286.65	276.30	-	5.92	5.94	6.62	6.61	-
306	Fabricated rubber products, nec .....	226.73	229.48	235.22	237.19	-	5.53	5.57	5.94	6.02	-
307	Miscellaneous plastics products .....	214.65	219.35	230.98	230.62	-	5.30	5.35	5.76	5.78	-
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	148.63	149.70	163.68	165.31	163.71	4.14	4.17	4.46	4.48	4.51
311	Leather tanning and finishing .....	207.09	208.36	226.98	237.39	-	5.31	5.37	5.82	5.92	-
314	Footwear, except rubber .....	141.55	142.97	159.65	159.71	-	4.01	4.05	4.35	4.34	-
3143	Men's footwear, except athletic .....	154.66	157.03	167.81	171.29	-	4.18	4.21	4.56	4.58	-
3144	Women's footwear, except athletic .....	131.92	130.65	153.50	149.76	-	3.88	3.90	4.16	4.16	-
316	Luggage .....	150.08	150.73	161.98	166.85	-	4.35	4.27	4.75	4.70	-
317	Handbags and personal leather goods .....	147.63	147.68	150.18	154.34	-	3.99	3.97	4.16	4.24	-
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	316.01	314.42	338.12	341.42	343.08	7.92	7.90	8.56	8.60	8.62
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup> .....	394.65	379.30	410.13	(*)	-	8.77	8.64	9.45	(*)	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....	194.93	191.87	202.24	204.29	-	5.65	5.66	6.11	6.08	-
411	Local and suburban transportation .....	292.17	281.52	270.38	280.19	-	6.94	6.90	6.88	6.97	-
413	Intercity highway transportation .....	298.39	302.28	328.35	309.40	-	8.22	8.42	9.89	9.52	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	322.80	327.64	338.43	341.54	-	8.07	8.11	8.70	8.78	-
421, 3	Trucking and trucking terminals .....	329.62	334.53	345.82	348.93	-	8.22	8.26	8.89	8.97	-
422	Public warehousing .....	220.20	221.76	239.09	238.37	-	5.69	5.76	6.21	6.24	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b> .....	383.64	393.55	440.06	438.68	-	9.38	9.26	10.33	10.52	-
48	<b>COMMUNICATION</b> .....	297.47	297.86	329.57	328.35	-	7.55	7.56	8.26	8.25	-
481	Telephone communication .....	307.30	308.09	341.70	342.10	-	7.76	7.78	8.50	8.51	-
4817	Switchboard operating employees <sup>3</sup> .....	222.87	211.55	215.14	239.76	-	6.46	6.43	6.94	7.20	-
4818	Line construction employees <sup>4</sup> .....	410.52	412.34	439.79	431.96	-	9.33	9.35	10.11	9.93	-
483	Radio and television broadcasting .....	253.08	250.61	276.10	266.16	-	6.66	6.63	7.19	7.06	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....	333.63	330.79	356.95	357.79	-	8.02	7.99	8.56	8.58	-
491	Electric services .....	337.30	337.30	370.60	373.15	-	8.05	8.05	8.72	8.78	-
492	Gas production and distribution .....	304.50	301.44	323.11	323.11	-	7.50	7.48	7.90	7.90	-
493	Combination utility services .....	372.12	367.38	386.57	385.85	-	8.86	8.81	9.36	9.32	-
495	Sanitary services .....	273.14	267.73	278.39	281.67	-	6.55	6.53	6.84	6.87	-
	<b>WHOLESALE AND RETAIL TRADE</b> .....	159.54	161.35	170.35	170.98	172.16	4.97	4.98	5.34	5.36	5.38
50, 51	<b>WHOLESALE TRADE</b> .....	238.46	242.35	258.72	258.82	261.80	6.21	6.23	6.72	6.74	6.80
50	<b>WHOLESALE TRADE-DURABLE GOODS</b> .....	241.18	245.86	259.85	260.35	-	6.20	6.24	6.68	6.71	-
501	Motor vehicles and automotive equipment .....	221.37	227.37	237.08	236.60	-	5.78	5.86	6.19	6.21	-
502	Furniture and home furnishings .....	206.64	210.75	224.17	223.38	-	5.54	5.62	6.01	6.07	-
503	Lumber and construction materials .....	242.26	248.75	255.27	256.96	-	6.26	6.25	6.70	6.78	-
504	Sporting goods, toys, and hobby goods .....	233.58	236.33	256.73	263.15	-	6.33	6.37	6.92	6.98	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p
		<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>									
284	Soap, cleaners, and toilet goods .....	40.0	40.4	40.4	39.8	-	2.9	3.2	2.8	2.6	-
2841	Soap and other detergents .....	42.9	43.1	42.7	42.0	-	5.0	5.0	4.4	3.9	-
2844	Toilet preparations .....	37.9	38.4	39.2	38.6	-	1.4	1.9	2.0	2.1	-
2842, 3	Polishing, sanitation, and finishing preparations .....	39.7	40.2	39.6	39.1	-	2.8	3.2	2.0	1.8	-
285	Paints and allied products .....	40.9	41.6	40.3	40.1	-	3.0	3.4	2.1	2.3	-
286	Industrial organic chemicals .....	42.7	43.0	42.8	42.7	-	3.8	3.9	3.9	3.6	-
2865	Cyclic crudes and intermediates .....	41.8	42.6	42.9	42.4	-	3.9	4.5	4.0	3.5	-
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	43.1	43.1	42.8	42.8	-	3.7	3.7	3.8	3.6	-
267	Agricultural chemicals .....	42.3	43.1	43.0	43.6	-	4.7	5.1	4.6	5.1	-
289	Miscellaneous chemical products .....	41.3	41.5	41.4	41.2	-	3.3	3.2	3.2	3.1	-
<b>PETROLEUM AND COAL PRODUCTS</b>											
29	PETROLEUM AND COAL PRODUCTS .....	42.7	43.8	36.1	39.6	38.8	4.1	4.1	3.3	4.0	-
291	Petroleum refining .....	42.5	43.7	34.4	38.0	-	3.6	3.5	2.7	3.3	-
295	Paving and roofing materials .....	43.8	44.8	43.1	43.0	-	6.1	6.7	6.1	6.0	-
<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>											
30	RUBBER AND MISC. PLASTICS PRODUCTS .....	41.2	41.4	40.3	39.9	40.1	3.8	3.8	2.9	2.7	-
301	Tires and inner tubes .....	45.0	44.1	40.9	40.2	-	6.1	5.4	2.4	2.1	-
302	Rubber and plastics footwear .....	37.9	37.8	40.9	39.1	-	2.2	1.8	3.2	2.2	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	41.8	41.6	43.3	41.8	-	4.7	4.4	3.4	2.7	-
306	Fabricated rubber products, nec .....	41.0	41.2	39.6	39.4	-	3.5	3.4	2.4	2.5	-
307	Miscellaneous plastics products .....	40.5	41.0	40.1	39.9	-	3.3	3.5	3.1	3.0	-
<b>LEATHER AND LEATHER PRODUCTS</b>											
31	LEATHER AND LEATHER PRODUCTS .....	35.9	35.9	36.7	36.9	36.3	1.4	1.2	1.4	1.4	-
311	Leather tanning and finishing .....	39.0	38.8	39.0	40.1	-	2.6	2.3	2.5	2.9	-
314	Footwear, except rubber .....	35.3	35.3	36.7	36.8	-	1.1	1.0	1.2	1.2	-
3143	Men's footwear, except athletic .....	37.0	37.3	36.8	37.4	-	1.2	1.0	1.1	1.3	-
3144	Women's footwear, except athletic .....	34.0	33.5	36.9	36.0	-	1.3	1.1	1.4	1.2	-
316	Luggage .....	34.5	35.3	34.1	35.5	-	1.4	1.4	2.5	1.9	-
317	Handbags and personal leather goods .....	37.0	37.2	36.1	36.4	-	1.8	1.6	1.3	1.4	-
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>											
TRANSPORTATION AND PUBLIC UTILITIES .....		39.9	39.8	39.5	39.7	39.8					
<b>RAILROAD TRANSPORTATION:</b>											
4011	Class I railroads <sup>2</sup> .....	45.0	43.9	43.4	(*)						
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>											
41	LOCAL AND INTERURBAN PASSENGER TRANSIT .....	34.5	33.9	33.1	33.6	-	-	-	-	-	-
411	Local and suburban transportation .....	42.1	40.8	39.3	40.2	-	-	-	-	-	-
413	Intercity highway transportation .....	36.3	35.9	33.2	32.5	-	-	-	-	-	-
<b>TRUCKING AND WAREHOUSING</b>											
42	TRUCKING AND WAREHOUSING .....	40.0	40.4	38.9	38.9	-	-	-	-	-	-
421, 3	Trucking and trucking terminals .....	40.1	40.5	38.9	38.9	-	-	-	-	-	-
422	Public warehousing .....	38.7	38.5	38.5	38.2	-	-	-	-	-	-
<b>PIPE LINES, EXCEPT NATURAL GAS</b>											
46	PIPE LINES, EXCEPT NATURAL GAS .....	40.9	42.5	42.6	41.7						
<b>COMMUNICATION</b>											
48	COMMUNICATION .....	39.4	39.4	39.9	39.8	-	-	-	-	-	-
481	Telephone communication .....	39.6	39.6	40.2	40.2	-	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	34.5	32.9	31.0	33.3	-	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	44.0	44.1	43.5	43.5	-	-	-	-	-	-
483	Radio and television broadcasting .....	38.0	37.8	38.4	37.7	-	-	-	-	-	-
<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>											
49	ELECTRIC, GAS, AND SANITARY SERVICES .....	41.6	41.4	41.7	41.7	-	-	-	-	-	-
491	Electric services .....	41.9	41.9	42.5	42.5	-	-	-	-	-	-
492	Gas production and distribution .....	40.6	40.3	40.9	40.9	-	-	-	-	-	-
493	Combination utility services .....	42.0	41.7	41.3	41.4	-	-	-	-	-	-
495	Sanitary services .....	41.7	41.0	40.7	41.0	-	-	-	-	-	-
<b>WHOLESALE AND RETAIL TRADE</b>											
WHOLESALE AND RETAIL TRADE .....		32.1	32.4	31.9	31.9	32.0					
<b>WHOLESALE TRADE</b>											
50, 51	WHOLESALE TRADE .....	38.4	38.9	38.5	38.4	38.5					
<b>WHOLESALE TRADE-DURABLE GOODS</b>											
50	WHOLESALE TRADE-DURABLE GOODS .....	38.9	39.4	38.9	38.8	-	-	-	-	-	-
501	Motor vehicles and automotive equipment .....	38.3	38.8	38.3	38.1	-	-	-	-	-	-
502	Furniture and home furnishings .....	37.3	37.5	37.3	36.8	-	-	-	-	-	-
503	Lumber and construction materials .....	38.7	39.8	38.1	37.9	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods .....	36.9	37.1	37.1	37.7	-	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	\$286.40	\$288.55	\$307.26	\$316.39	-	\$7.16	\$7.16	\$7.72	\$7.89	-
506	Electrical goods .....	237.88	244.72	264.32	268.27	-	6.26	6.34	6.83	6.95	-
507	Hardware, plumbing, and heating equipment .....	224.41	228.10	245.25	242.95	-	5.89	5.94	6.37	6.36	-
508	Machinery, equipment, and supplies .....	256.07	258.60	274.53	273.34	-	6.45	6.47	6.95	6.92	-
509	Miscellaneous durable goods .....	207.28	213.86	218.27	218.48	-	5.37	5.36	5.64	5.66	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	233.50	237.60	256.20	256.66	-	6.21	6.22	6.76	6.79	-
511	Paper and paper products .....	272.61	276.74	289.02	284.40	-	7.51	7.52	7.94	7.90	-
512	Drugs, proprietaries, and sundries .....	242.52	239.77	260.03	261.47	-	6.45	6.36	6.99	7.01	-
513	Apparel, piece goods, and notions .....	209.30	212.91	225.94	228.64	-	5.75	5.77	6.19	6.23	-
514	Groceries and related products .....	235.49	238.37	258.61	260.44	-	6.23	6.24	6.77	6.80	-
516	Chemicals and allied products .....	282.58	284.71	315.54	318.35	-	7.10	7.10	8.07	8.08	-
517	Petroleum and petroleum products .....	292.70	296.11	346.68	341.74	-	7.41	7.44	8.35	8.48	-
518	Beer, wine, and distilled beverages .....	261.93	269.28	280.78	276.72	-	7.06	7.20	7.63	7.54	-
519	Miscellaneous nondurable goods .....	192.38	196.22	209.21	209.41	-	5.13	5.11	5.52	5.54	-
52-59	<b>RETAIL TRADE</b> .....	134.55	135.44	142.44	142.44	\$144.00	4.47	4.47	4.78	4.78	\$4.80
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	178.60	181.76	189.07	189.28	-	4.84	4.86	5.18	5.20	-
521	Lumber and other building materials .....	195.16	201.06	207.90	208.67	-	5.03	5.09	5.40	5.42	-
525	Hardware stores .....	142.21	143.90	149.49	152.30	-	4.22	4.22	4.53	4.56	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	120.96	125.28	134.24	135.18	-	4.32	4.32	4.71	4.76	-
531	Department stores .....	125.16	130.21	138.59	140.58	-	4.47	4.49	4.88	4.95	-
533	Variety stores .....	103.58	106.14	116.18	112.35	-	3.66	3.66	4.02	3.97	-
539	Misc. general merchandise stores .....	96.53	99.53	106.31	106.13	-	3.46	3.48	3.73	3.75	-
54	<b>FOOD STORES</b> .....	172.61	172.92	181.44	181.72	-	5.55	5.56	5.91	5.90	-
541	Grocery stores .....	179.61	179.61	188.17	188.17	-	5.72	5.72	6.07	6.07	-
546	Retail bakeries .....	119.97	122.55	130.79	132.59	-	4.18	4.27	4.51	4.51	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	192.24	196.50	206.45	206.46	-	5.14	5.24	5.52	5.55	-
551, 2	New and used car dealers .....	233.70	241.18	241.78	244.86	-	6.07	6.20	6.28	6.41	-
553	Auto and home supply stores .....	189.41	187.86	208.06	199.98	-	4.70	4.65	5.15	4.95	-
554	Gasoline service stations .....	135.06	134.90	150.51	149.64	-	3.87	3.91	4.35	4.35	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	112.40	112.90	118.85	117.32	-	3.93	3.92	4.26	4.22	-
561	Men's and boys' clothing and furnishings .....	144.83	142.72	153.28	154.40	-	4.47	4.46	4.82	4.84	-
562	Women's ready-to-wear stores .....	99.37	100.01	107.87	105.21	-	3.64	3.65	4.01	3.97	-
565	Family clothing stores .....	108.49	108.00	110.83	107.87	-	3.82	3.75	4.12	4.04	-
566	Shoe stores .....	113.83	117.58	120.89	119.13	-	4.08	4.14	4.38	4.27	-
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	174.89	176.09	189.35	185.99	-	5.04	5.06	5.41	5.36	-
571	Furniture and home furnishings .....	179.92	181.31	194.30	191.25	-	5.20	5.21	5.52	5.48	-
572	Household appliance stores .....	191.16	192.96	154.19	192.50	-	5.31	5.36	5.47	5.50	-
573	Radio, television, and music stores .....	153.66	153.11	176.99	169.66	-	4.48	4.49	5.13	4.99	-
58	<b>EATING AND DRINKING PLACES<sup>5</sup></b> .....	88.24	89.52	92.20	92.82	-	3.42	3.43	3.63	3.64	-
59	<b>MISCELLANEOUS RETAIL</b> .....	139.67	138.29	149.61	148.99	-	4.42	4.39	4.78	4.76	-
591	Drug stores and proprietary stores .....	122.92	122.61	134.09	133.48	-	4.03	4.02	4.44	4.42	-
594	Miscellaneous shopping goods stores .....	122.89	124.92	136.05	134.09	-	4.11	4.15	4.55	4.53	-
596	Nonstore retailers .....	166.86	171.27	184.24	182.23	-	5.15	5.19	5.60	5.59	-
598	Fuel and ice dealers .....	271.30	225.01	250.57	255.67	-	6.18	5.74	6.28	6.36	-
599	Retail stores, nec .....	139.96	141.59	152.52	154.22	-	4.28	4.33	4.65	4.59	-
	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>6</sup></b> .....	188.92	187.31	201.47	203.28	206.75	5.19	5.16	5.55	5.60	5.68
60	<b>BANKING</b> .....	161.77	160.89	171.84	173.28	-	4.42	4.42	4.76	4.80	-
602	Commercial and stock savings banks .....	159.21	158.34	168.48	170.39	-	4.35	4.35	4.68	4.72	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	168.07	166.08	183.77	182.77	-	4.63	4.55	4.94	4.98	-
612	Savings and loan associations .....	159.58	158.51	176.64	173.76	-	4.47	4.44	4.80	4.80	-
614	Personal credit institutions .....	165.17	162.29	179.68	180.32	-	4.55	4.41	4.83	4.90	-
63	<b>INSURANCE CARRIERS</b> .....	207.20	206.64	221.41	224.77	-	5.57	5.54	5.92	6.01	-
631	Life insurance .....	208.68	207.57	222.05	228.46	-	5.64	5.61	5.89	6.06	-
632	Medical service and health insurance .....	204.22	201.47	218.50	222.30	-	5.36	5.33	5.75	5.85	-
633	Fire, marine, and casualty insurance .....	206.64	207.02	221.17	221.17	-	5.60	5.58	6.01	6.01	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 p	Mar. 1980 p
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	40.0	40.3	39.8	40.1	-	-	-	-	-	
506	Electrical goods .....	38.0	38.6	38.7	38.6	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment .....	38.1	38.4	38.5	38.2	-	-	-	-	-	
508	Machinery, equipment, and supplies .....	39.7	40.0	39.5	39.5	-	-	-	-	-	
509	Miscellaneous durable goods .....	38.6	39.9	38.7	38.6	-	-	-	-	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	37.6	38.2	37.9	37.8	-	-	-	-	-	
511	Paper and paper products .....	36.3	36.8	36.4	36.0	-	-	-	-	-	
512	Drugs, proprietaries, and sundries .....	37.6	37.7	37.2	37.3	-	-	-	-	-	
513	Apparel, piece goods, and notions .....	36.4	36.9	36.5	36.7	-	-	-	-	-	
514	Groceries and related products .....	37.8	38.2	38.2	38.3	-	-	-	-	-	
516	Chemicals and allied products .....	39.8	40.1	39.1	39.4	-	-	-	-	-	
517	Petroleum and petroleum products .....	39.5	39.8	40.8	40.3	-	-	-	-	-	
518	Beer, wine, and distilled beverages .....	37.1	37.4	36.8	36.7	-	-	-	-	-	
519	Miscellaneous nondurable goods .....	37.5	38.4	37.9	37.8	-	-	-	-	-	
52-59	<b>RETAIL TRADE</b> .....	30.1	30.3	29.8	29.8	30.0	-	-	-	-	
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	36.9	37.4	36.5	36.4	-	-	-	-	-	
521	Lumber and other building materials .....	38.8	39.5	38.5	38.5	-	-	-	-	-	
525	Hardware stores .....	33.7	34.1	33.0	33.4	-	-	-	-	-	
53	<b>GENERAL MERCHANDISE STORES</b> .....	28.0	29.0	28.5	28.4	-	-	-	-	-	
531	Department stores .....	28.0	29.0	28.4	28.4	-	-	-	-	-	
533	Variety stores .....	28.3	29.0	28.9	28.3	-	-	-	-	-	
539	Misc. general merchandise stores .....	27.9	28.6	28.5	28.3	-	-	-	-	-	
54	<b>FOOD STORES</b> .....	31.1	31.1	30.7	30.8	-	-	-	-	-	
541	Grocery stores .....	31.4	31.4	31.0	31.0	-	-	-	-	-	
546	Retail bakeries .....	28.7	28.7	29.0	29.4	-	-	-	-	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	37.4	37.5	37.4	37.2	-	-	-	-	-	
551.2	New and used car dealers .....	38.5	38.9	38.5	38.2	-	-	-	-	-	
553	Auto and home supply stores .....	40.3	40.4	40.4	40.4	-	-	-	-	-	
554	Gasoline service stations .....	34.9	34.5	34.6	34.4	-	-	-	-	-	
56	<b>APPAREL AND ACCESSORY STORES</b> .....	28.6	28.8	27.9	27.8	-	-	-	-	-	
561	Men's and boys' clothing and furnishings .....	32.4	32.0	31.8	31.9	-	-	-	-	-	
562	Women's ready-to-wear stores .....	27.3	27.4	26.9	26.5	-	-	-	-	-	
565	Family clothing stores .....	28.4	28.8	26.9	26.7	-	-	-	-	-	
566	Shoe stores .....	27.9	28.4	27.6	27.9	-	-	-	-	-	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	34.7	34.8	35.0	34.7	-	-	-	-	-	
571	Furniture and home furnishings .....	34.6	34.8	35.2	34.9	-	-	-	-	-	
572	Household appliance stores .....	36.0	36.0	35.5	35.0	-	-	-	-	-	
573	Radio, television, and music stores .....	34.3	34.1	34.5	34.0	-	-	-	-	-	
58	<b>EATING AND DRINKING PLACES</b> <sup>5</sup> .....	25.8	26.1	25.4	25.5	-	-	-	-	-	
59	<b>MISCELLANEOUS RETAIL</b> .....	31.6	31.5	31.3	31.3	-	-	-	-	-	
591	Drug stores and proprietary stores .....	30.5	30.5	30.2	30.2	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	29.9	30.1	29.9	29.6	-	-	-	-	-	
596	Nonstore retailers .....	32.4	33.0	32.9	32.6	-	-	-	-	-	
598	Fuel and ice dealers .....	43.9	39.2	39.9	40.2	-	-	-	-	-	
599	Retail stores, nec .....	32.7	32.7	32.8	33.6	-	-	-	-	-	
	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> <sup>6</sup> .....	36.4	36.3	36.3	36.3	36.4	-	-	-	-	
60	<b>BANKING</b> .....	36.6	36.4	36.1	36.1	-	-	-	-	-	
602	Commercial and stock savings banks .....	36.6	36.4	36.0	36.1	-	-	-	-	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	36.3	36.5	37.2	36.7	-	-	-	-	-	
612	Savings and loan associations .....	35.7	35.7	36.8	36.2	-	-	-	-	-	
614	Personal credit institutions .....	36.3	36.8	37.2	36.8	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b> .....	37.2	37.3	37.4	37.4	-	-	-	-	-	
631	Life insurance .....	37.0	37.0	37.7	37.7	-	-	-	-	-	
632	Medical service and health insurance .....	38.1	37.8	38.0	38.0	-	-	-	-	-	
633	Fire, marine, and casualty insurance .....	36.9	37.1	36.8	36.8	-	-	-	-	-	

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>p</sup>	Mar. 1980 <sup>p</sup>	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>p</sup>	Mar. 1980 <sup>p</sup>
	<b>SERVICES .....</b>	<b>\$170.75</b>	<b>\$171.48</b>	<b>\$183.63</b>	<b>\$184.93</b>	<b>\$186.47</b>	<b>\$5.27</b>	<b>\$5.26</b>	<b>\$5.65</b>	<b>\$5.69</b>	<b>\$5.72</b>
701	<b>HOTELS AND OTHER LODGING PLACES:</b> Hotels, motels, and tourist courts .....	119.65	119.50	125.04	126.90	-	3.91	3.88	4.21	4.23	-
721	<b>PERSONAL SERVICES:</b> Laundry, cleaning, and garment services .....	135.32	136.46	147.03	145.62	-	3.98	3.99	4.35	4.36	-
723	Beauty shops .....	118.65	125.15	124.42	126.84	-	3.89	4.05	4.12	4.20	-
73	<b>BUSINESS SERVICES .....</b>	<b>172.59</b>	<b>174.31</b>	<b>188.35</b>	<b>190.06</b>	<b>-</b>	<b>5.36</b>	<b>5.38</b>	<b>5.76</b>	<b>5.83</b>	<b>-</b>
731	Advertising .....	263.51	265.72	280.17	277.75	-	7.34	7.32	7.87	7.78	-
734	Services to buildings .....	125.35	127.03	135.90	137.27	-	4.66	4.74	4.96	5.04	-
737	Computer and data processing services .....	217.68	223.50	249.25	248.37	-	6.03	6.14	6.81	6.88	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES .....</b>	<b>196.18</b>	<b>201.91</b>	<b>224.32</b>	<b>224.08</b>	<b>-</b>	<b>5.36</b>	<b>5.37</b>	<b>6.03</b>	<b>6.04</b>	<b>-</b>
753	Automotive repair shops .....	219.65	225.60	246.38	249.46	-	5.72	5.64	6.35	6.38	-
76	<b>MISCELLANEOUS REPAIR SERVICES .....</b>	<b>248.00</b>	<b>254.20</b>	<b>267.34</b>	<b>268.88</b>	<b>-</b>	<b>6.20</b>	<b>6.20</b>	<b>6.82</b>	<b>6.79</b>	<b>-</b>
78	<b>MOTION PICTURES .....</b>	<b>205.70</b>	<b>209.48</b>	<b>235.91</b>	<b>232.94</b>	<b>-</b>	<b>7.48</b>	<b>7.73</b>	<b>8.61</b>	<b>8.44</b>	<b>-</b>
781	Motion picture production and services .....	392.70	411.10	458.28	455.88	-	10.28	10.79	12.06	11.60	-
79	<b>AMUSEMENT AND RECREATION SERVICES .....</b>	<b>149.94</b>	<b>147.26</b>	<b>158.76</b>	<b>158.95</b>	<b>-</b>	<b>4.90</b>	<b>4.86</b>	<b>5.40</b>	<b>5.37</b>	<b>-</b>
80	<b>HEALTH SERVICES .....</b>	<b>165.97</b>	<b>165.64</b>	<b>178.76</b>	<b>180.07</b>	<b>-</b>	<b>5.06</b>	<b>5.05</b>	<b>5.45</b>	<b>5.49</b>	<b>-</b>
801	Offices of physicians .....	173.18	173.05	183.63	185.00	-	5.28	5.26	5.65	5.71	-
802	Offices of dentists .....	145.66	147.83	152.11	157.10	-	5.04	5.08	5.30	5.38	-
805	Nursing and personal care facilities .....	117.35	116.66	125.56	125.66	-	3.81	3.80	4.09	4.12	-
806	Hospitals .....	181.37	181.37	198.12	199.39	-	5.35	5.35	5.81	5.83	-
81	<b>LEGAL SERVICES .....</b>	<b>219.11</b>	<b>219.76</b>	<b>243.95</b>	<b>245.35</b>	<b>-</b>	<b>6.58</b>	<b>6.56</b>	<b>6.97</b>	<b>6.99</b>	<b>-</b>
89	<b>MISCELLANEOUS SERVICES .....</b>	<b>289.45</b>	<b>289.81</b>	<b>306.32</b>	<b>307.31</b>	<b>-</b>	<b>7.46</b>	<b>7.45</b>	<b>8.04</b>	<b>8.13</b>	<b>-</b>
891	Engineering and architectural services .....	312.37	312.78	328.42	333.87	-	8.03	8.02	8.62	8.74	-
893	Accounting, auditing, and bookkeeping .....	253.68	254.16	270.78	262.65	-	6.39	6.37	6.89	6.93	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

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

<sup>3</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up 20 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>4</sup> 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 1977, such employees made up 37 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>5</sup> Money payments only; tips, not included.

<sup>6</sup> Data for nonoffice sales agents excluded from all series in this division.

\* Not available.

<sup>p</sup> = preliminary.



# 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	1979			1980									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Executive Branch</b>													
Total employment .....	2,694.5	2,694.4	2,681.2	2,677.5	2,686.3	2,688.3	2,697.4	2,720.3	2,770.2	2,783.0	2,789.6	2,697.8	2,702.7
Average weekly hours .....	39.9	39.9	40.1	39.7	39.7	39.5	39.5	39.4	39.4	39.8	39.5	39.4	39.3
Average overtime hours .....	1.3	1.2	1.5	1.2	1.1	1.1	1.1	1.0	1.0	1.2	1.2	1.4	1.4
Indexes (1967=100):													
Average weekly earnings .....	242.0	242.2	244.3	243.2	242.4	240.6	239.8	238.9	238.6	241.3	242.5	244.6	254.5
Average hourly earnings .....	238.9	239.2	240.0	241.4	240.5	240.0	239.2	238.9	238.6	238.9	241.9	244.6	255.1
<b>Department of Defense</b>													
Total employment .....	905.8	905.3	902.0	896.0	895.0	892.0	890.0	896.6	906.6	908.5	908.5	887.2	887.8
Average weekly hours .....	39.9	40.0	39.8	39.9	39.9	39.9	39.9	39.9	39.9	40.1	40.0	40.0	38.9
Average overtime hours .....	1.0	.8	.9	.8	.9	.9	.8	.8	.8	.8	.9	1.2	.9
Indexes (1967=100):													
Average weekly earnings .....	232.5	233.7	234.1	234.7	234.7	235.2	234.4	235.2	233.6	233.4	234.5	238.0	240.4
Average hourly earnings .....	234.9	235.4	237.1	237.1	237.1	237.6	236.8	237.6	236.0	234.6	236.2	239.8	249.0
<b>Postal Service</b>													
Total employment .....	646.9	651.4	651.4	653.0	655.2	655.4	655.0	659.5	663.2	665.4	665.4	659.0	653.7
Average weekly hours .....	41.5	41.2	42.6	41.2	41.0	40.2	40.2	39.8	39.6	40.6	39.9	40.0	41.6
Average overtime hours .....	2.3	1.9	3.1	2.6	1.8	1.6	1.7	1.3	1.3	1.8	1.5	1.9	2.3
Indexes (1967=100):													
Average weekly earnings .....	278.7	275.9	289.4	280.8	276.9	271.5	271.8	268.1	274.0	281.2	283.0	286.2	300.6
Average hourly earnings .....	259.5	258.5	262.2	263.1	260.7	260.7	261.0	260.1	267.1	267.4	273.8	276.2	279.0
<b>Other Agencies</b>													
Total employment .....	1,141.8	1,137.7	1,127.8	1,128.5	1,136.1	1,140.9	1,152.4	1,164.2	1,200.4	1,209.1	1,215.7	1,151.6	1,161.2
Average weekly hours .....	39.0	39.0	38.8	38.7	38.8	38.8	38.8	38.8	38.8	39.2	38.9	38.7	38.7
Average overtime hours .....	1.1	1.0	1.0	.9	1.0	1.0	1.0	1.1	1.0	1.2	1.2	1.4	1.2
Indexes (1967=100):													
Average weekly earnings .....	229.1	231.4	227.7	229.9	229.7	227.7	226.7	226.0	223.3	226.6	227.1	228.4	243.2
Average hourly earnings .....	228.0	230.2	227.7	230.4	229.7	227.7	226.7	226.0	223.3	224.3	226.5	229.0	243.8

NOTE: The hours and earnings averages presented in this table have been computed using data collected by the Office of Personnel Management from agencies with 2500 or more employees in 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 super-

visory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers. The total employment levels shown include all workers in the Executive Branch regardless of the size of the agency.

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

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>p</sup>	Mar. 1980 <sup>p</sup>
<b>MANUFACTURING</b>	<b>\$6.25</b>	<b>\$6.28</b>	<b>\$6.70</b>	<b>\$6.74</b>	<b>\$6.80</b>
<b>DURABLE GOODS</b>	<b>6.64</b>	<b>6.68</b>	<b>7.12</b>	<b>7.18</b>	<b>7.25</b>
Lumber and wood products .....	5.58	5.59	6.00	6.09	-
Furniture and fixtures .....	4.79	4.81	5.14	5.20	-
Stone, clay, and glass products .....	6.25	6.29	6.75	6.82	-
Primary metal industries .....	8.32	8.32	8.94	9.07	-
Fabricated metal products .....	6.37	6.43	6.80	6.86	-
Machinery, except electrical .....	6.79	6.83	7.33	7.38	-
Electric and electronic equipment .....	5.92	5.95	6.46	6.51	-
Transportation equipment .....	7.86	7.94	8.45	8.52	-
Instruments and related products .....	5.82	5.85	6.37	6.38	-
Miscellaneous manufacturing industries .....	4.82	4.81	5.16	5.19	-
<b>NONDURABLE GOODS</b>	<b>5.61</b>	<b>5.63</b>	<b>6.06</b>	<b>6.05</b>	<b>6.08</b>
Food and kindred products .....	5.83	5.85	6.32	6.37	-
Tobacco manufactures .....	6.45	6.56	7.01	7.25	-
Textile mill products .....	4.32	4.33	4.69	4.68	-
Apparel and other textile products .....	4.11	4.13	4.39	4.39	-
Paper and allied products .....	6.47	6.52	7.11	7.15	-
Printing and publishing .....	6.49	6.51	6.96	7.02	-
Chemicals and allied products .....	7.04	7.07	7.66	7.69	-
Petroleum and coal products .....	8.69	8.90	9.07	8.76	-
Rubber and misc. plastics products .....	5.58	5.60	6.03	6.06	-
Leather and leather products .....	4.07	4.10	4.38	4.40	-

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

<sup>p</sup> preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 P	Mar. 1980 P
	<b>SERVICES</b> .....	32.4	32.6	32.5	32.5	32.6	.	.	.	.	.
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts .....	30.6	30.8	29.7	30.0		.	.	.	.	.
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	34.0	34.2	33.8	33.4	..	-	-	-	-	-
723	Beauty shops .....	30.5	30.9	30.2	30.2	-	-	-	-	-	-
	<b>BUSINESS SERVICES</b> .....	32.2	32.4	32.7	32.6	-	-	-	-	-	-
731	Advertising .....	35.9	36.3	35.6	35.7	-	-	-	-	-	-
734	Services to buildings .....	26.9	26.8	27.4	27.4	-	-	-	-	-	-
737	Computer and data processing services .....	36.1	36.4	36.6	36.1	-	-	-	-	-	-
	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	36.6	37.6	37.2	37.1	-	-	-	-	-	-
753	Automotive repair shops .....	38.4	40.0	38.8	39.1	..	-	-	-	-	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	40.0	41.0	39.2	39.6		.	.	.	.	.
	<b>MOTION PICTURES</b> .....	27.5	27.1	27.4	27.6	..	-	-	-	-	-
781	Motion picture production and services .....	38.2	38.1	38.0	39.3	.	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	30.6	30.3	29.4	29.6		.	.	.	.	.
	<b>HEALTH SERVICES</b> .....	32.8	32.8	32.8	32.8	-	-	-	-	-	-
801	Offices of physicians .....	32.8	32.9	32.5	32.4	-	-	-	-	-	-
802	Offices of dentists .....	28.9	29.1	28.7	29.2	-	-	-	-	-	-
805	Nursing and personal care facilities .....	30.8	30.7	30.7	30.5	-	-	-	-	-	-
806	Hospitals .....	33.9	33.9	34.1	34.2	-	-	-	-	-	-
81	<b>LEGAL SERVICES</b> .....	33.3	33.5	35.0	35.1		.	.	.	.	.
	<b>MISCELLANEOUS SERVICES</b> .....	38.8	38.9	38.1	37.8	-	-	-	-	-	-
891	Engineering and architectural services .....	38.9	39.0	38.1	38.2	-	-	-	-	-	-
893	Accounting, auditing, and bookkeeping .....	39.7	39.9	39.3	37.9	-	-	-	-	-	-

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls by industry division, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings <sup>2</sup>					
				Worker with no dependents			Married worker with 3 dependents		
	Feb. 1979	Jan. 1980	Feb. p 1980	Feb. 1979	Jan. 1980	Feb. p 1980	Feb. 1979	Jan. 1980	Feb. p 1980
<b>TOTAL PRIVATE:</b>									
Current dollars .....	\$212.40	\$225.34	\$226.75	\$172.53	\$181.96	\$182.98	\$188.98	\$199.00	\$200.07
1967 dollars .....	102.56	96.59	95.88	83.31	77.99	77.37	91.25	85.30	84.60
<b>MINING:</b>									
Current dollars .....	349.75	384.09	383.56	265.60	286.93	286.62	292.07	317.10	316.71
1967 dollars .....	168.88	164.63	162.18	128.25	122.99	121.19	141.03	135.92	133.92
<b>CONSTRUCTION:</b>									
Current dollars .....	319.31	332.40	342.47	246.15	254.51	260.95	269.89	279.43	286.77
1967 dollars .....	154.18	142.48	144.81	118.86	109.09	110.34	130.32	119.77	121.26
<b>MANUFACTURING:</b>									
Current dollars .....	262.10	277.01	277.50	207.69	217.91	218.24	226.89	238.20	238.57
1967 dollars .....	126.56	118.74	117.34	100.28	93.40	92.28	109.56	102.10	100.88
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars .....	316.01	338.12	341.47	244.05	258.17	260.27	267.49	283.60	286.00
1967 dollars .....	152.59	144.93	144.36	117.84	110.66	110.05	129.16	121.56	120.93
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollars .....	159.54	170.35	170.98	133.54	141.63	142.10	149.76	158.72	159.15
1967 dollars .....	77.04	73.02	72.30	64.48	60.71	60.08	72.31	68.03	67.29
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars .....	188.92	201.47	203.28	155.42	164.56	165.88	171.12	180.46	181.87
1967 dollars .....	91.22	86.36	85.95	75.05	70.54	70.14	82.63	77.35	76.90
<b>SERVICES:</b>									
Current dollars .....	170.75	183.63	184.93	141.93	151.56	152.51	158.99	167.66	168.51
1967 dollars .....	82.45	78.71	78.19	68.53	64.96	64.49	76.77	71.86	71.25
<b>CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)</b>	207.1	233.3	236.5						

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary (applicable to earnings data only).

<sup>2</sup> Spendable earnings are calculated by taking the average weekly pay for all production or nonsupervisory jobs, both full-time and part-time, and then deducting social security and Federal income taxes applicable to a single worker or to a married worker with three dependents who earned this amount (see Explanatory Notes for the establishment data in the back of this publication). A technical note on the calculation and uses of the spendable earnings series is available on request.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group

[1987=100]

Industry division and group	Feb. 1979	Mar. 1979	Jan. 1980	Feb. p 1980	Mar. p 1980
	Hours				
<b>TOTAL PRIVATE</b> .....	120.4	122.9	122.5	122.1	123.1
<b>GOODS-PRODUCING</b> ....	104.8	108.2	104.4	103.4	104.0
<b>MINING</b> .....	146.9	149.1	158.8	156.1	159.5
<b>CONSTRUCTION</b> .....	105.0	119.0	115.3	113.3	114.1
<b>MANUFACTURING</b> ...	103.3	104.8	100.6	99.9	100.3
<b>DURABLE GOODS</b> .....	107.6	109.2	103.3	102.8	103.3
Lumber and wood products .....	108.4	111.6	100.8	100.8	99.6
Furniture and fixtures .....	107.2	108.8	105.1	103.7	103.8
Stone, clay, and glass products .....	104.5	110.3	102.3	101.2	103.1
Primary metal industries .....	99.1	99.3	91.4	90.5	90.8
Fabricated metal products .....	106.4	107.6	103.8	103.5	104.3
Machinery, except electrical .....	118.1	118.8	117.8	117.5	117.7
Electric and electronic equipment .....	106.7	108.0	108.4	107.6	107.9
Transportation equipment .....	103.4	105.3	89.0	88.7	89.1
Instruments and related products .....	128.3	129.4	128.8	128.6	130.5
Miscellaneous manufacturing industries .....	97.4	100.0	96.2	96.1	97.8
<b>NONDURABLE GOODS</b> .....	97.1	98.5	96.6	95.6	95.9
Food and kindred products .....	90.3	92.1	91.2	89.1	88.0
Tobacco manufactures .....	67.0	68.0	67.2	64.2	62.0
Textile mill products .....	89.4	90.4	91.3	91.1	91.0
Apparel and other textile products .....	88.7	90.2	86.5	88.7	89.3
Paper and allied products .....	99.6	101.1	102.0	101.1	101.6
Printing and publishing .....	101.7	103.3	104.9	104.8	106.1
Chemicals and allied products .....	106.9	107.9	108.0	107.3	109.2
Petroleum and coal products .....	117.3	121.4	100.9	69.6	68.6
Rubber and misc. plastics products .....	152.8	153.6	141.7	139.1	140.6
Leather and leather products .....	64.8	65.0	63.1	63.8	63.4
<b>SERVICE-PRODUCING</b> .....	131.3	133.2	135.1	135.1	136.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	111.2	111.9	112.6	112.5	113.4
<b>WHOLESALE AND RETAIL TRADE</b> .....	124.4	126.5	127.6	126.4	127.4
<b>WHOLESALE TRADE</b> .....	128.3	130.8	132.1	131.8	132.4
<b>RETAIL TRADE</b> .....	122.9	124.7	125.9	124.2	125.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	142.8	143.2	147.0	147.6	148.2
<b>SERVICES</b> .....	146.7	149.3	152.4	153.9	156.2

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group—Continued**

[1967=100]

Industry division and group	Feb. 1979	Mar. 1979	Jan. 1980	Feb. 1980 <sup>P</sup>	Mar. 1980 <sup>P</sup>
	Payrolls				
<b>TOTAL PRIVATE</b> .....	269.6	276.3	293.6	294.3	298.5
<b>GOODS-PRODUCING</b> .....	241.1	250.9	257.1	256.4	259.8
<b>MINING</b> .....	378.4	386.7	441.0	436.7	450.7
<b>CONSTRUCTION</b> .....	230.1	259.5	265.5	265.0	267.6
<b>MANUFACTURING</b> .....	238.6	243.4	247.8	247.1	250.4
<b>DURABLE GOODS</b> .....	249.7	254.7	254.7	255.5	259.4
Lumber and wood products .....	266.9	275.4	265.0	269.6	267.8
Furniture and fixtures .....	227.2	231.6	238.3	237.8	239.5
Stone, clay, and glass products .....	243.8	260.0	255.7	256.0	265.5
Primary metal industries .....	259.5	260.0	254.6	255.4	258.5
Fabricated metal products .....	237.7	242.7	246.2	247.4	251.9
Machinery, except electrical .....	264.9	267.8	283.5	284.2	287.1
Electric and electronic equipment .....	235.9	239.8	260.6	260.5	262.5
Transportation equipment .....	251.3	256.2	227.6	228.5	234.1
Instruments and related products .....	271.0	274.6	296.8	297.0	304.3
Miscellaneous manufacturing industries .....	205.5	210.9	217.2	217.9	223.9
<b>NONDURABLE GOODS</b> .....	219.6	224.1	236.1	232.9	235.0
Food and kindred products .....	208.6	213.6	228.7	224.2	222.2
Tobacco manufactures .....	192.8	199.1	211.2	207.2	206.6
Textile mill products .....	195.9	198.8	217.5	216.8	217.1
Apparel and other textile products .....	182.1	186.4	189.6	194.8	198.3
Paper and allied products .....	236.7	242.1	265.8	264.2	266.3
Printing and publishing .....	208.8	213.2	230.5	232.1	236.4
Chemicals and allied products .....	252.1	255.9	276.9	276.3	283.1
Petroleum and coal products .....	298.5	315.9	267.5	179.2	174.7
Rubber and misc. plastics products .....	324.8	327.7	322.6	317.2	323.0
Leather and leather products .....	129.9	131.0	136.0	138.3	138.1
<b>SERVICE-PRODUCING</b> .....	294.2	298.2	325.1	326.9	331.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	272.4	273.4	298.2	299.2	302.3
<b>WHOLESALE AND RETAIL TRADE</b> .....	274.4	279.7	302.5	300.5	304.3
<b>WHOLESALE TRADE</b> .....	276.7	283.3	308.3	308.9	313.0
<b>RETAIL TRADE</b> .....	273.2	277.8	299.2	295.7	299.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	286.6	285.8	315.8	320.1	325.8
<b>SERVICES</b> .....	337.7	343.3	376.2	382.8	390.3

# ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. P.	Mar. P
TOTAL PRIVATE ..	35.9	35.3	35.7	35.6	35.6	35.6	35.7	35.6	35.7	35.7	35.7	35.5	35.4
MINING ..	43.1	42.9	42.8	43.0	41.6	43.2	43.1	43.1	43.2	43.9	44.4	43.5	43.6
CONSTRUCTION ..	37.1	35.5	37.1	37.2	36.8	37.2	37.5	36.6	36.8	37.1	37.6	36.8	35.6
MANUFACTURING ..	40.6	39.1	40.2	40.1	40.2	40.1	40.2	40.2	40.1	40.2	40.3	40.0	39.8
<i>Overtime hours ..</i>	3.7	2.7	3.5	3.4	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.1	3.1
DURABLE GOODS ..	41.4	39.5	40.9	40.7	40.7	40.7	40.7	40.8	40.6	40.7	40.8	40.5	40.3
<i>Overtime hours ..</i>	4.0	2.7	3.8	3.6	3.5	3.3	3.3	3.3	3.4	3.3	3.3	3.1	3.2
Lumber and wood products ..	40.0	39.1	39.4	39.4	39.3	39.5	39.7	39.4	38.9	39.0	39.5	38.9	38.4
Furniture and fixtures ..	39.1	38.1	38.5	38.5	38.4	38.3	38.6	38.8	38.9	39.0	39.0	38.9	38.3
Stone, clay, and glass products ..	42.0	41.2	41.7	41.6	41.4	41.3	41.5	41.3	41.5	41.6	41.3	40.9	40.6
Primary metal industries ..	42.0	41.8	41.4	41.2	41.3	41.0	41.0	41.1	40.7	40.6	40.8	40.6	40.7
Fabricated metal products ..	41.3	39.1	40.7	40.7	40.8	40.6	40.7	40.9	40.7	41.0	40.9	40.8	40.6
Machinery, except electrical ..	42.4	40.5	42.0	42.0	41.9	41.6	41.9	41.6	41.6	41.6	41.7	41.5	41.3
Electric and electronic equipment ..	40.7	39.0	40.4	40.3	40.2	39.8	40.3	40.3	40.6	40.5	40.4	40.3	40.2
Transportation equipment ..	42.3	37.9	41.5	40.8	40.9	41.7	40.6	41.3	40.6	41.0	41.0	40.4	40.0
Instruments and related products ..	41.2	40.3	40.8	40.6	40.7	40.5	40.6	40.7	41.0	40.8	41.5	41.0	40.7
Miscellaneous manufacturing ind ..	39.0	37.6	38.6	38.9	39.3	39.1	39.1	39.1	39.1	39.2	39.5	39.1	38.6
NONDURABLE GOODS ..	39.4	38.6	39.2	39.2	39.2	39.2	39.3	39.3	39.4	39.4	39.5	39.3	39.0
<i>Overtime hours ..</i>	3.3	2.7	3.0	3.0	3.0	3.0	3.1	3.0	3.2	3.1	3.1	3.0	3.0
Food and kindred products ..	40.0	39.6	39.8	39.8	39.8	39.7	40.0	39.9	40.0	39.9	40.0	39.7	39.4
Tobacco manufactures ..	38.0	37.6	38.9	37.6	38.5	38.0	38.6	38.3	37.8	38.8	38.5	37.8	37.6
Textile mill products ..	40.3	38.8	40.0	40.1	40.1	40.1	40.6	40.8	41.1	41.0	41.7	41.1	40.6
Apparel and other textile products ..	35.4	34.2	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.6	35.9	35.9	35.4
Paper and allied products ..	42.8	41.8	42.6	42.5	42.5	42.6	42.4	42.6	42.7	42.9	42.8	42.8	42.6
Printing and publishing ..	37.7	37.1	37.4	37.4	37.5	37.7	37.5	37.4	37.6	37.4	37.8	37.4	37.3
Chemicals and allied products ..	41.9	41.7	41.9	41.7	41.9	42.0	41.7	41.7	41.9	41.7	42.0	41.9	41.8
Petroleum and coal products ..	44.0	43.9	43.7	43.3	43.6	43.7	44.1	43.7	44.4	43.5	36.6	40.4	39.0
Rubber and misc. plastics products ..	41.3	39.7	40.9	40.7	40.6	40.2	40.3	40.3	40.0	39.9	40.6	39.9	40.0
Leather and leather products ..	36.3	35.6	36.1	36.4	36.6	36.5	37.0	36.5	36.7	36.9	37.2	37.4	36.7
TRANSPORTATION AND PUBLIC UTILITIES ..	40.0	39.2	39.8	39.8	39.7	39.9	39.9	39.9	40.2	39.8	39.9	39.8	40.0
WHOLESALE AND RETAIL TRADE ..	32.7	32.8	32.6	32.6	32.6	32.5	32.6	32.6	32.7	32.6	32.5	32.3	32.4
WHOLESALE TRADE ..	39.0	38.7	39.0	38.8	38.8	38.7	38.7	38.8	38.9	38.9	38.8	38.7	38.6
RETAIL TRADE ..	30.7	30.9	30.6	30.6	30.6	30.5	30.7	30.6	30.7	30.6	30.5	30.3	30.4
FINANCE, INSURANCE, AND REAL ESTATE ..	36.4	36.5	36.1	36.2	36.3	36.1	36.4	36.2	36.5	36.4	36.2	36.3	36.5
SERVICES ..	32.8	32.7	32.7	32.7	32.8	32.7	32.7	32.6	32.7	32.9	32.7	32.7	32.8

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED**

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry division and major manufacturing group, seasonally adjusted**

[1967=100]

Industry division and group	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. P	Mar. <sup>3</sup>
<b>TOTAL PRIVATE</b> .....	125.7	123.6	125.4	125.7	125.7	125.5	125.9	125.8	126.3	126.6	127.1	126.5	125.9
<b>GOODS-PRODUCING</b> .....	111.3	106.8	110.3	110.1	109.9	109.4	109.7	109.0	108.7	109.6	110.6	109.0	106.9
<b>MINING</b> .....	152.5	152.0	151.6	152.5	148.4	156.7	157.4	158.1	158.4	162.3	165.7	161.9	163.0
<b>CONSTRUCTION</b> .....	132.7	124.9	133.7	134.4	133.9	134.5	135.4	132.7	133.7	137.1	142.5	136.9	127.3
<b>MANUFACTURING</b> .....	106.0	102.0	104.7	104.3	104.4	103.3	103.4	103.1	102.5	102.9	103.0	102.2	101.4
<b>DURABLE GOODS</b> .....	110.1	105.0	108.3	107.9	107.9	106.8	107.1	106.2	105.1	105.6	105.3	104.9	104.1
Lumber and wood products .....	116.4	112.4	113.3	112.7	111.9	112.3	113.6	113.3	110.1	108.3	109.0	107.0	103.8
Furniture and fixtures .....	109.4	105.8	105.9	105.3	105.9	104.5	104.8	105.9	106.2	106.4	106.7	105.6	104.0
Stone, clay, and glass products .....	114.9	111.5	113.1	113.0	111.5	110.8	111.2	110.6	110.4	110.8	110.4	109.2	107.4
Primary metal industries .....	100.2	99.7	97.9	97.9	97.8	95.9	95.3	94.6	93.1	91.8	92.1	91.7	91.5
Fabricated metal products .....	108.6	102.7	106.6	107.1	106.7	104.8	105.4	106.1	105.8	106.4	105.1	105.9	105.2
Machinery, except electrical .....	117.5	113.0	117.4	117.6	118.0	116.2	117.7	114.3	113.6	113.5	117.5	116.8	116.5
Electric and electronic equipment .....	108.5	104.4	108.2	108.6	108.5	104.7	107.2	107.6	108.1	108.8	109.2	108.5	108.4
Transportation equipment .....	105.9	94.3	102.6	99.4	100.3	102.6	100.1	97.4	93.7	96.7	90.7	91.4	89.6
Instruments and related products .....	129.7	127.2	128.1	128.4	128.1	127.2	127.2	127.8	127.8	128.1	130.6	129.7	130.9
Miscellaneous manufacturing ind .....	101.7	97.5	98.7	100.3	100.7	100.8	99.9	99.9	99.9	101.4	102.2	100.5	99.5
<b>NONDURABLE GOODS</b> .....	100.1	97.8	99.5	99.1	99.1	98.2	98.1	98.5	98.8	99.0	99.7	98.3	97.4
Food and kindred products .....	98.1	96.8	97.0	96.8	95.9	94.6	95.0	96.1	96.5	97.0	96.8	95.8	93.7
Tobacco manufactures .....	73.4	73.9	76.5	72.6	73.0	66.7	70.5	69.9	61.1	65.4	67.6	66.4	66.0
Textile mill products .....	90.6	86.7	89.5	89.6	89.8	89.0	89.8	90.6	91.8	91.8	93.5	92.1	91.0
Apparel and other textile products .....	89.9	86.8	89.5	88.7	89.5	88.0	87.5	87.9	87.3	88.4	90.0	90.3	89.1
Paper and allied products .....	103.0	100.8	102.3	102.1	103.2	103.1	102.2	102.7	102.8	103.3	103.4	103.6	103.5
Printing and publishing .....	103.4	101.7	103.1	103.3	104.4	104.7	103.9	104.3	105.9	105.1	107.2	106.4	106.2
Chemicals and allied products .....	108.1	107.7	108.3	108.4	108.8	108.2	107.6	107.9	108.6	108.6	109.7	108.9	109.5
Petroleum and coal products .....	125.0	125.7	124.2	123.1	123.0	124.2	126.2	125.1	128.0	126.3	106.3	73.5	71.0
Rubber and misc. plastics products .....	154.4	148.4	153.4	150.4	150.5	145.6	143.5	143.5	142.5	140.9	143.6	140.4	141.2
Leather and leather products .....	66.1	63.9	65.4	66.0	61.3	64.9	66.1	65.2	64.9	65.0	65.2	65.5	64.3
<b>SERVICE-PRODUCING</b> .....	135.8	135.3	135.9	136.5	136.7	136.6	137.2	137.5	138.5	138.4	138.6	138.7	139.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	113.7	109.2	113.4	115.0	114.2	115.2	114.9	115.8	116.9	115.4	115.2	114.6	115.4
<b>WHOLESALE AND RETAIL TRADE</b> .....	130.2	130.6	130.2	130.0	129.9	129.6	130.4	130.7	131.6	130.9	131.6	131.5	131.3
<b>WHOLESALE TRADE</b> .....	132.3	131.3	132.8	132.8	132.7	132.4	132.5	133.4	134.3	134.1	134.3	134.3	133.8
<b>RETAIL TRADE</b> .....	129.3	130.3	129.1	128.9 <sup>1</sup>	128.9	128.5	129.6	129.7	130.5	129.7	130.5	130.4	130.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	144.6	145.5	144.5	145.7	146.5	146.3	147.1	146.7	148.3	148.3	148.1	148.9	149.6
<b>SERVICES</b> .....	151.1	151.0	151.7	152.6	153.5	153.4	153.8	154.1	155.2	156.5	156.2	156.9	157.9

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

P=preliminary.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted

Industry	1979										1980		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Hourly Earnings Index <sup>2</sup> (1967=100)													
TOTAL PRIVATE (In current dollars) . . . . .	225.2	226.8	227.5	229.0	230.9	232.2	234.3	234.9	237.3	239.5	240.5	242.5	245.0
MINING . . . . .	256.1	264.1	262.7	264.9	266.9	265.6	266.1	268.0	271.6	273.2	274.0	276.2	279.9
CONSTRUCTION . . . . .	216.5	218.1	220.4	220.4	222.1	223.1	224.4	224.0	225.8	227.6	225.1	230.0	231.2
MANUFACTURING . . . . .	228.7	231.0	232.3	233.9	235.4	236.9	238.7	240.0	242.1	244.3	245.3	248.0	250.2
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	243.1	241.7	243.7	246.4	251.3	252.6	255.6	255.8	258.9	260.7	261.2	263.0	265.7
WHOLESALE AND RETAIL TRADE . . . . .	219.4	220.9	221.0	222.6	223.8	225.4	227.0	227.4	229.5	231.3	234.7	235.4	237.6
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	204.8	207.5	207.0	208.0	210.8	211.5	214.4	213.1	216.2	218.5	218.6	220.7	225.8
SERVICES . . . . .	223.3	225.0	224.3	225.7	227.0	228.4	231.5	232.3	234.7	237.7	238.0	239.7	242.1
TOTAL PRIVATE (In 1967 dollars) <sup>3</sup> . . . . .	107.3	107.0	106.3	105.8	105.6	105.1	104.9	104.1	104.1	103.8	102.8	102.2	-
Average hourly earnings													
TOTAL PRIVATE . . . . .	\$6.04	\$6.04	\$6.09	\$6.13	\$6.18	\$6.22	\$6.26	\$6.28	\$6.33	\$6.39	\$6.42	\$6.45	\$6.51
MINING . . . . .	8.28	8.56	8.43	8.49	8.49	8.57	8.50	8.57	8.71	8.76	8.82	8.94	9.02
CONSTRUCTION . . . . .	9.03	9.11	9.20	9.19	9.27	9.32	9.39	9.38	9.45	9.53	9.43	9.66	9.71
MANUFACTURING . . . . .	6.56	6.56	6.65	6.68	6.72	6.74	6.78	6.82	6.86	6.91	6.93	6.98	7.05
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	7.96	7.91	7.99	8.09	8.21	8.30	8.37	8.39	8.48	8.53	8.54	8.60	8.69
WHOLESALE AND RETAIL TRADE . . . . .	4.96	4.99	5.00	5.03	5.07	5.10	5.12	5.14	5.19	5.23	5.30	5.31	5.36
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	5.16	5.22	5.21	5.23	5.30	5.32	5.40	5.38	5.45	5.51	5.51	5.54	5.68
SERVICES . . . . .	5.24	5.27	5.26	5.31	5.35	5.39	5.45	5.46	5.52	5.58	5.60	5.63	5.70
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars . . . . .	216.84	213.21	217.41	218.23	220.01	221.43	223.48	223.57	225.98	228.12	229.19	228.98	230.45
1967 dollars <sup>3</sup> . . . . .	103.31	100.57	101.55	100.85	100.60	100.24	100.04	99.10	99.16	98.88	97.94	96.53	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) <sup>3, 4</sup> . . . . .	91.68	89.44	90.09	89.43	89.12	88.73	88.44	87.61	87.53	87.17	86.29	85.06	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.

<sup>3</sup> The CPI-W is used to deflate these series to 1967 dollars.

<sup>4</sup> See footnote 2, table C-5.

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

C-10. Hours of wage and salary workers<sup>1</sup> in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) <sup>2</sup>			Percent change		
	JANUARY 1979	FEBRUARY p1980	MARCH p1980	Mar. 1979 to Mar. 1980	Jan. 1980 to Feb. 1980	Feb. 1980 to Mar. 1980
TOTAL . . . . .	171,606	171,252	170,842	0.8	-0.2	-0.2
PRIVATE SECTOR . . . . .	140,309	140,051	139,694	0.8	-0.2	-0.3
MINING . . . . .	2,287	2,256	2,290	8.5	-1.4	1.5
CONSTRUCTION . . . . .	9,171	9,157	8,765	-2.4	-0.1	-4.3
MANUFACTURING . . . . .	43,931	43,733	43,458	-2.6	-0.5	-0.6
DURABLE GOODS . . . . .	26,900	26,864	26,709	-3.0	-0.1	-0.6
NONDURABLE GOODS . . . . .	17,031	16,869	16,749	-1.8	-0.9	-0.7
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10,853	10,764	10,826	1.6	-0.8	0.6
WHOLESALE AND RETAIL TRADE . . . . .	34,702	34,673	34,612	1.1	-0.1	-0.2
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	9,601	9,607	9,671	4.2	0.1	0.7
SERVICES . . . . .	29,764	29,862	30,071	4.4	0.3	0.7
GOVERNMENT . . . . .	31,297	31,201	31,148	1.0	-0.3	-0.2

<sup>1</sup> 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 Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

<sup>2</sup> "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										
			1977			1978				1979			
	1978	1979	II	III	IV	I	II	III	IV	I	II	III	IV
<b>PRIVATE BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	119.2	118.1	117.9	119.4	118.8	118.4	119.0	119.7	119.8	118.9	118.2	117.8	117.6
Output . . . . .	140.7	144.1	132.8	135.2	136.1	136.9	140.3	141.8	144.0	144.4	143.4	143.8	144.7
Hours . . . . .	118.1	121.9	112.6	113.2	114.5	115.6	117.9	118.4	120.2	121.5	121.3	122.0	123.0
Compensation per hour . . . . .	231.2	252.8	210.8	215.3	218.5	224.2	228.5	233.6	238.4	244.8	250.3	255.6	260.1
Real compensation per hour . . . . .	118.3	116.3	116.7	117.6	117.9	118.7	118.1	118.2	118.0	118.0	116.9	115.8	114.2
Unit labor costs . . . . .	194.0	214.0	178.8	180.2	183.8	189.4	192.1	195.2	199.0	205.9	211.7	217.0	221.1
Unit nonlabor payments . . . . .	174.3	184.6	164.7	167.9	168.6	164.8	173.9	177.0	181.3	180.8	183.7	185.6	189.0
Implicit price deflator . . . . .	187.2	203.8	173.9	176.0	178.6	180.9	185.8	188.9	192.9	197.2	202.0	206.1	210.0
<b>NONFARM BUSINESS SECTOR:</b>													
Output per hour of all persons . . . .	116.8	115.5	115.8	116.7	116.3	116.0	116.5	117.3	117.6	116.6	115.4	115.0	115.1
Output . . . . .	141.5	144.9	133.4	135.6	136.4	137.3	141.1	142.7	145.0	145.5	144.2	144.6	145.5
Hours . . . . .	121.1	125.4	115.2	116.2	117.3	118.4	121.1	121.6	123.4	124.8	124.9	125.7	126.3
Compensation per hour . . . . .	227.3	247.6	207.3	211.2	214.8	220.6	224.6	229.4	234.3	240.2	244.8	249.9	255.4
Real compensation per hour . . . . .	116.3	113.9	114.7	115.4	115.9	116.8	116.1	116.1	116.0	115.8	114.3	113.2	112.2
Unit labor costs . . . . .	194.5	214.3	179.0	180.9	184.7	190.2	192.7	195.6	199.3	206.0	212.1	217.3	221.8
Unit nonlabor payments . . . . .	169.9	178.8	163.2	167.1	166.0	161.1	169.2	173.0	176.1	174.3	177.6	180.5	183.3
Implicit price deflator . . . . .	186.1	202.2	173.6	176.2	178.3	180.2	184.7	187.8	191.4	195.1	200.3	204.7	208.6
<b>MANUFACTURING:</b>													
Output per hour of all persons . . . .	128.0	130.2	127.3	128.4	127.8	125.7	127.2	129.2	129.8	129.0	130.0	131.1	130.6
Output . . . . .	134.5	139.8	128.1	129.9	130.8	130.1	133.4	135.9	138.5	140.1	139.7	139.9	139.5
Hours . . . . .	105.1	107.4	100.6	101.1	102.3	103.4	104.8	105.2	106.7	108.5	107.5	106.7	106.8
Compensation per hour . . . . .	229.5	250.5	209.7	214.1	217.5	223.2	226.6	231.4	236.5	242.4	248.2	253.0	258.2
Real compensation per hour . . . . .	117.5	115.2	116.1	117.0	117.4	118.1	117.1	117.0	117.1	116.9	115.9	114.6	113.4
Unit labor costs . . . . .	179.4	192.4	164.7	166.7	170.2	177.5	178.1	179.1	182.2	187.9	190.9	193.0	197.6
<b>DURABLE GOODS</b>													
Output per hour of all persons . . . .	121.3	122.4	121.6	122.3	121.7	118.9	120.9	122.5	122.8	121.8	122.7	122.7	122.3
Output . . . . .	129.6	135.0	122.2	124.4	125.5	124.4	128.3	131.3	134.5	136.2	135.4	134.6	134.0
Hours . . . . .	106.9	110.3	100.5	101.7	103.2	104.6	106.1	107.2	109.5	111.8	110.3	109.7	109.5
Compensation per hour . . . . .	230.8	251.7	211.6	215.9	219.4	224.5	227.9	232.5	237.9	243.8	249.5	254.3	259.1
Real compensation per hour . . . . .	118.1	115.8	117.1	118.0	118.4	118.9	117.8	117.6	117.7	117.5	116.5	115.2	113.8
Unit labor costs . . . . .	190.4	205.6	174.0	176.6	180.3	188.8	188.5	189.9	193.7	200.1	203.3	207.3	211.8
<b>NONDURABLE GOODS</b>													
Output per hour of all persons . . . .	139.0	143.3	136.6	138.5	137.9	136.9	137.5	140.3	141.4	141.1	142.1	145.2	144.6
Output . . . . .	142.3	147.6	137.6	138.8	139.3	139.3	141.6	143.2	145.1	146.3	146.9	148.5	148.6
Hours . . . . .	102.4	103.0	100.7	100.2	101.1	101.7	103.0	102.1	102.6	103.7	103.4	102.3	102.8
Compensation per hour . . . . .	226.1	246.5	206.6	210.6	213.8	220.1	223.6	228.1	232.4	238.0	244.1	248.9	254.8
Real compensation per hour . . . . .	115.7	113.4	114.4	115.1	115.3	116.5	115.5	115.4	115.0	114.8	114.0	112.7	111.9
Unit labor costs . . . . .	162.7	172.1	151.2	152.1	155.1	160.7	162.6	162.6	164.3	168.7	171.8	171.4	176.2
<b>NONFINANCIAL CORPORATIONS:</b>													
Output per all-employee hour . . . .	117.9	117.5	116.5	117.4	116.7	116.7	117.8	118.4	118.8	118.1	117.3	117.2	N.A.
Output . . . . .	150.0	154.7	140.4	142.7	143.4	144.7	149.7	151.4	154.2	155.1	154.1	154.3	N.A.
Hours . . . . .	127.2	131.7	120.5	121.5	122.9	124.1	127.1	127.8	129.8	131.3	131.4	131.7	N.A.
Compensation per hour . . . . .	224.8	244.7	205.7	209.5	212.8	218.5	222.3	226.9	231.3	237.4	242.1	247.1	N.A.
Real compensation per hour . . . . .	115.0	112.6	113.8	114.5	114.8	115.7	114.9	114.8	114.5	114.5	113.1	112.0	N.A.
Total unit costs . . . . .	193.3	210.3	180.5	182.4	186.3	190.8	191.6	194.0	196.8	202.3	208.0	213.2	N.A.
Unit labor costs . . . . .	190.6	208.3	176.6	178.4	182.3	187.3	188.7	191.5	194.8	201.0	206.4	210.8	N.A.
Unit nonlabor costs . . . . .	201.8	216.6	192.4	194.8	198.7	201.5	200.8	201.6	203.1	206.5	213.2	220.5	N.A.
Unit profits . . . . .	127.2	128.4	123.3	130.9	122.2	107.1	129.2	132.7	138.7	130.3	129.2	127.5	N.A.
Implicit price deflator . . . . .	183.5	198.2	172.0	174.7	176.8	178.3	182.3	184.9	188.2	191.6	196.3	200.4	N.A.

p=preliminary.  
r=revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	II 1978 to III 1978	III 1978 to IV 1978	IV 1978 to I 1979	I 1979 to II 1979	II 1979 to III 1979	III 1979 to IV 1979	III 1977 to IV 1978	IV 1977 to IV 1978	I 1978 to I 1979	II 1978 to II 1979	III 1978 to III 1979	IV 1978 to IV 1979
<b>PRIVATE BUSINESS SECTOR:</b>												
Output per hour of all persons	2.4	0.3	-3.0	-2.2	-1.3	-0.6	0.2	0.8	0.4	-0.6	-1.6	-1.8
Output	4.2	6.4	1.2	-2.9	1.1	2.7	4.8	5.8	5.5	2.2	1.4	0.5
Hours	1.7	6.1	4.4	-0.7	2.4	3.3	4.6	5.0	5.1	2.8	3.0	2.3
Compensation per hour	9.2	8.5	11.1	9.3	8.8	7.2	8.5	9.1	9.2	9.5	9.4	9.1
Real compensation per hour	0.3	-0.7	0.1	-3.8	-3.6	-5.4	0.4	0.1	-0.6	-1.0	-2.0	-3.2
Unit labor costs	6.6	8.1	14.6	11.8	10.3	7.8	8.3	8.3	8.7	10.2	11.2	11.1
Unit nonlabor payments	7.4	9.9	-1.0	6.5	4.1	7.7	5.4	7.5	9.7	5.6	4.8	4.3
Implicit price deflator	6.9	8.7	9.3	10.1	8.3	7.8	7.4	8.0	9.0	8.7	9.1	8.9
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons	2.7	0.8	-3.2	-4.1	-1.4	0.5	0.5	1.1	0.5	-1.0	-2.0	-2.0
Output	4.5	6.8	1.2	-3.6	1.2	2.5	5.2	6.3	5.9	2.2	1.3	0.3
Hours	1.8	5.9	4.6	0.5	2.6	1.9	4.7	5.2	5.4	3.2	3.4	2.4
Compensation per hour	8.8	8.8	10.4	7.9	8.5	9.2	8.7	9.1	8.9	9.0	8.9	9.0
Real compensation per hour	0.0	-0.4	-0.6	-5.0	-3.9	-3.6	0.6	0.1	-0.8	-1.5	-2.5	-3.3
Unit labor costs	6.0	8.0	14.0	12.5	10.1	8.6	8.1	7.9	8.3	10.1	11.1	11.3
Unit nonlabor payments	9.4	7.3	-4.0	7.8	6.6	6.4	3.5	6.1	8.2	5.0	4.3	4.1
Implicit price deflator	7.0	7.8	8.1	11.0	9.0	7.9	6.6	7.3	8.3	8.5	9.0	9.0
<b>MANUFACTURING:</b>												
Output per hour of all persons	6.3	2.0	-2.4	2.9	3.5	-1.3	0.6	1.6	2.6	2.2	1.5	0.6
Output	7.6	8.1	4.6	-0.9	0.4	-1.1	4.6	5.9	7.7	4.8	3.0	0.7
Hours	1.3	5.9	7.1	-3.7	-2.9	0.3	4.0	4.3	4.9	2.6	1.5	0.1
Compensation per hour	8.7	9.3	10.3	9.8	8.1	8.4	8.1	8.7	8.6	9.5	9.4	9.2
Real compensation per hour	-0.1	0.0	-0.6	-3.4	-4.3	-4.3	0.0	-0.3	-1.1	-1.0	-2.1	-3.1
Unit labor costs	2.2	7.1	13.0	6.7	4.4	9.9	7.4	7.1	5.9	7.2	7.8	8.5
<b>DURABLE GOODS</b>												
Output per hour of all persons	5.1	1.2	-3.2	2.9	-0.1	-1.2	0.2	0.9	2.4	1.5	0.2	-0.4
Output	9.6	10.0	5.3	-2.5	-2.3	-1.8	5.6	7.1	9.5	5.5	2.5	-0.4
Hours	4.3	8.7	8.8	-5.2	-2.2	-0.6	5.4	6.1	6.9	4.0	2.3	0.0
Compensation per hour	8.3	9.6	10.3	9.7	8.0	7.8	7.7	8.4	8.6	9.5	9.4	8.9
Real compensation per hour	-0.4	0.4	-0.6	-3.5	-4.4	-4.8	-0.3	-0.5	-1.1	-1.1	-2.1	-3.3
Unit labor costs	3.1	8.3	13.9	6.6	8.0	9.1	7.5	7.4	6.0	7.9	9.2	9.4
<b>NONDURABLE GOODS</b>												
Output per hour of all persons	8.2	3.4	-0.9	2.7	9.0	-1.7	1.3	2.6	3.1	3.3	3.5	2.2
Output	4.8	5.3	3.4	1.5	4.6	0.1	3.2	4.1	5.1	3.7	3.7	2.4
Hours	-3.2	1.8	4.4	-1.2	-4.1	1.8	1.9	1.5	1.9	0.4	0.2	0.2
Compensation per hour	8.3	7.8	10.0	10.6	8.1	9.9	8.3	8.7	8.1	9.2	9.1	9.6
Real compensation per hour	-0.4	-1.3	-0.9	-2.6	-4.3	-3.0	0.3	-0.3	-1.5	-1.3	-2.3	-2.7
Unit labor costs	0.1	4.2	11.0	7.7	-0.9	11.7	7.0	6.0	4.9	5.7	5.4	7.3
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour	2.0	1.1	-2.1	-2.8	-0.2	N.A.	0.8	1.8	1.3	-0.5	-1.0	N.A.
Output	4.6	7.6	2.5	-2.6	0.6	N.A.	6.1	7.5	7.2	2.9	1.9	N.A.
Hours	2.5	6.4	4.6	0.3	0.9	N.A.	5.2	5.6	5.8	3.4	3.0	N.A.
Compensation per hour	8.4	8.1	11.0	8.0	8.6	N.A.	8.3	8.7	8.7	8.9	8.9	N.A.
Real compensation per hour	-0.4	-1.0	0.0	-4.9	-3.8	N.A.	0.2	-0.3	-1.0	-1.6	-2.5	N.A.
Total unit costs	5.1	5.9	11.7	11.8	10.2	N.A.	6.4	5.6	6.1	8.6	9.9	N.A.
Unit labor costs	6.2	6.9	13.4	11.2	8.8	N.A.	7.4	6.8	7.3	9.4	10.1	N.A.
Unit nonlabor costs	1.7	2.9	6.8	13.5	14.6	N.A.	3.5	2.2	2.5	6.2	9.4	N.A.
Unit profits	11.4	19.5	-22.1	-3.4	-5.3	N.A.	1.4	13.6	21.7	0.0	-3.9	N.A.
Implicit price deflator	5.7	7.3	7.6	10.2	8.6	N.A.	5.8	6.4	7.5	7.7	8.4	N.A.

p=preliminary.  
r=revised.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>ALABAMA</b>	\$235.25	\$257.26	\$255.78	40.6	40.9	40.6	\$5.79	\$6.29	\$6.30
Birmingham	277.30	297.08	(*)	39.9	40.2	(*)	6.95	7.39	(*)
Mobile	288.56	330.22	(*)	41.4	41.8	(*)	6.97	7.90	(*)
<b>ALASKA</b>	381.23	409.89	426.71	39.1	39.0	40.6	9.75	10.51	10.51
<b>ARIZONA</b> <sup>1</sup>	251.77	280.30	275.26	39.9	40.1	39.1	6.31	6.99	7.04
Phoenix	251.77	280.38	270.82	39.9	40.4	38.8	6.31	6.94	6.98
Tucson	235.17	251.29	258.82	39.0	38.6	38.4	6.03	6.51	6.74
<b>ARKANSAS</b>	197.39	217.80	218.51	39.4	39.6	39.3	5.01	5.50	5.56
Fayetteville-Springdale	182.66	205.02	200.85	40.5	40.2	39.0	4.51	5.10	5.15
Fort Smith	198.27	214.34	209.00	38.8	38.9	38.0	5.11	5.51	5.50
Little Rock-North Little Rock	227.13	248.92	247.04	40.2	39.7	39.4	5.65	6.27	6.27
Pine Bluff	273.92	295.18	296.74	42.8	41.4	41.1	6.40	7.13	7.22
<b>CALIFORNIA</b>	268.13	288.86	(*)	39.9	39.3	(*)	6.72	7.35	(*)
Anaheim-Santa Ana-Garden Grove	246.65	267.87	(*)	40.5	40.1	(*)	6.09	6.68	(*)
Bakersfield	276.19	314.41	(*)	38.9	39.4	(*)	7.10	7.98	(*)
Fresno	240.48	265.10	(*)	38.6	38.7	(*)	6.23	6.85	(*)
Los Angeles-Long Beach	255.15	273.74	(*)	40.5	39.5	(*)	6.30	6.93	(*)
Modesto	251.56	275.66	(*)	38.0	38.5	(*)	6.62	7.16	(*)
Oxnard-Simi Valley-Ventura	242.35	252.29	(*)	40.8	38.4	(*)	5.94	6.57	(*)
Riverside-San Bernardino-Ontario	275.81	299.02	(*)	39.8	39.5	(*)	6.93	7.57	(*)
Sacramento	278.94	311.56	(*)	37.9	38.8	(*)	7.36	8.03	(*)
Salinas-Seaside-Monterey	266.81	270.45	(*)	38.5	36.4	(*)	6.93	7.43	(*)
San Diego	252.83	269.81	(*)	38.6	38.6	(*)	6.55	6.99	(*)
San Francisco-Oakland	315.75	341.82	(*)	38.6	39.2	(*)	8.18	8.72	(*)
San Jose	286.64	313.43	(*)	40.6	40.6	(*)	7.06	7.72	(*)
Santa Barbara-Santa Maria-Lompoc	229.40	257.69	(*)	37.3	37.4	(*)	6.15	6.89	(*)
Santa Rosa	235.34	254.88	(*)	36.6	37.1	(*)	6.43	6.87	(*)
Stockton	287.86	310.06	(*)	38.9	39.1	(*)	7.40	7.93	(*)
Vallejo-Fairfield-Napa	277.88	296.00	(*)	37.2	37.9	(*)	7.47	7.81	(*)
<b>COLORADO</b>	255.32	286.63	284.97	39.1	40.2	39.8	6.53	7.13	7.16
Denver-Boulder	255.97	275.02	(*)	39.2	38.9	(*)	6.53	7.07	(*)
<b>CONNECTICUT</b>	265.20	290.11	288.65	42.5	42.6	42.2	6.24	6.81	6.84
Bridgeport	277.10	306.42	303.53	43.5	43.9	43.3	6.37	6.98	7.01
Hartford	294.80	321.10	318.22	43.1	43.1	42.6	6.84	7.45	7.47
New Britain	262.71	303.20	290.28	41.7	43.5	42.5	6.30	6.97	6.83
New Haven-West Haven	263.52	281.11	269.33	41.5	41.4	39.9	6.35	6.79	6.75
Stamford	263.53	284.26	276.69	42.3	43.8	43.3	6.23	6.49	6.39
Waterbury	233.62	247.28	243.53	42.4	41.7	41.7	5.51	5.93	5.84
<b>DELAWARE</b>	270.59	291.46	298.85	38.6	39.6	39.9	7.01	7.36	7.49
Wilmington	303.81	329.51	338.58	39.0	39.7	40.5	7.79	8.30	8.36
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA	271.70	(*)	(*)	38.0	(*)	(*)	7.15	(*)	(*)
<b>FLORIDA</b>	216.89	232.97	(*)	41.0	40.8	(*)	5.29	5.71	(*)
Fort Lauderdale-Hollywood	204.31	225.60	(*)	40.7	41.7	(*)	5.02	5.41	(*)
Jacksonville	252.56	274.72	(*)	41.0	40.4	(*)	6.16	6.80	(*)
Miami	188.73	200.70	(*)	40.5	39.9	(*)	4.66	5.03	(*)
Orlando	226.73	246.33	(*)	41.0	41.4	(*)	5.53	5.95	(*)
Pensacola	284.71	260.35	(*)	43.6	37.3	(*)	6.53	6.98	(*)
Tampa-St. Petersburg	224.62	247.78	(*)	40.4	42.5	(*)	5.56	5.83	(*)
West Palm Beach-Boca Raton	254.70	262.50	(*)	45.0	42.0	(*)	5.66	6.25	(*)
<b>GEORGIA</b>	200.97	222.86	(*)	39.1	40.3	(*)	5.14	5.53	(*)
Atlanta	229.74	254.02	(*)	38.1	39.2	(*)	6.03	6.48	(*)
Savannah	271.51	311.32	(*)	41.2	43.0	(*)	6.59	7.24	(*)
<b>HAWAII</b> <sup>1</sup>	235.42	237.10	277.93	36.9	35.6	39.2	6.38	6.66	7.09
Honolulu	233.41	240.58	279.30	36.3	35.8	38.9	6.43	6.72	7.18
<b>IDAHO</b> <sup>1</sup>	255.26	266.01	259.18	38.5	37.1	36.3	6.63	7.17	7.14
Boise City	215.84	222.14	216.83	38.0	35.6	34.2	5.68	6.24	6.34

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		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>ILLINOIS</b> .....	\$287.45	\$308.30	\$309.94	40.5	40.3	40.2	\$7.10	\$7.65	\$7.71
Bloomington—Normal .....	264.47	245.39	243.92	41.2	36.3	35.3	6.41	6.76	6.91
Champaign—Urbana—Rantoul .....	277.88	246.88	230.40	41.1	34.1	32.0	6.76	7.24	7.20
Chicago SMSA .....	278.66	291.53	292.80	40.3	40.1	40.0	6.92	7.27	7.32
Davenport—Rock Island—Moline .....	328.61	341.25	356.25	38.7	38.3	40.3	8.49	8.91	8.84
Decatur .....	340.64	305.09	285.22	43.6	35.6	35.3	7.81	8.57	8.08
Peoria .....	315.40	387.60	409.89	36.2	40.8	42.3	8.71	9.50	9.69
Rockford .....	298.25	305.93	307.16	42.1	40.9	40.9	7.08	7.48	7.51
Springfield .....	339.07	297.21	277.47	44.1	38.3	36.8	7.69	7.76	7.54
<b>INDIANA</b> .....	310.84	323.99	324.37	40.9	39.9	39.8	7.60	8.12	8.15
Gary—Hammond—East Chicago .....	423.90	(*)	(*)	41.6	(*)	(*)	10.19	(*)	(*)
Indianapolis .....	311.92	(*)	(*)	41.7	(*)	(*)	7.48	(*)	(*)
<b>IOWA</b> .....	300.23	333.66	332.86	40.3	40.2	40.2	7.45	8.30	8.28
Cedar Rapids .....	307.54	342.27	(*)	41.9	42.1	(*)	7.34	8.13	(*)
Des Moines .....	302.23	345.14	(*)	38.6	39.9	(*)	7.83	8.65	(*)
Dubuque .....	352.00	414.51	(*)	40.6	41.0	(*)	8.59	10.11	(*)
Sioux City .....	273.06	308.73	301.85	41.0	41.0	40.3	6.66	7.53	7.49
Waterloo—Cedar Falls .....	388.13	420.65	(*)	42.0	41.2	(*)	9.33	10.21	(*)
<b>KANSAS</b> .....	269.94	289.17	284.65	40.9	40.5	39.7	6.60	7.14	7.17
Topeka .....	299.97	298.56	282.74	43.6	40.4	37.8	6.85	7.39	7.48
Wichita .....	284.42	313.24	306.11	41.4	41.0	39.6	6.87	7.64	7.73
<b>KENTUCKY</b> .....	255.25	272.92	271.21	39.4	39.1	38.8	6.58	6.98	6.99
Louisville .....	299.77	314.03	312.00	40.4	39.7	40.0	7.42	7.91	7.80
<b>LOUISIANA</b> .....	280.90	307.10	302.09	41.8	41.5	41.1	6.72	7.40	7.35
Baton Rouge .....	344.96	382.37	387.73	43.5	43.6	40.9	7.93	8.77	9.48
New Orleans .....	278.26	315.01	314.18	40.6	42.8	42.4	6.82	7.36	7.41
Shreveport .....	254.38	267.87	266.90	40.7	40.1	39.6	6.25	6.68	6.74
<b>MAINE</b> .....	206.04	234.90	(*)	39.7	40.5	(*)	5.19	5.80	(*)
Lewiston—Auburn .....	168.97	193.05	(*)	37.8	39.0	(*)	4.47	4.95	(*)
Portland .....	204.00	223.41	(*)	40.0	40.4	(*)	5.10	5.53	(*)
<b>MARYLAND</b> .....	268.80	293.86	289.54	38.9	40.2	39.5	6.91	7.31	7.33
Baltimore .....	285.32	313.65	311.12	39.3	41.0	40.3	7.26	7.65	7.72
<b>MASSACHUSETTS</b> .....	235.94	(*)	(*)	40.4	(*)	(*)	5.84	(*)	(*)
Boston .....	257.11	(*)	(*)	40.3	(*)	(*)	6.38	(*)	(*)
Brockton .....	182.36	(*)	(*)	37.6	(*)	(*)	4.85	(*)	(*)
Fall River .....	167.08	(*)	(*)	35.7	(*)	(*)	4.68	(*)	(*)
Lawrence—Haverhill .....	229.50	(*)	(*)	39.5	(*)	(*)	5.81	(*)	(*)
Lowell .....	202.18	(*)	(*)	39.8	(*)	(*)	5.08	(*)	(*)
New Bedford .....	199.68	(*)	(*)	39.0	(*)	(*)	5.12	(*)	(*)
Springfield—Chicopee—Holyoke .....	238.71	(*)	(*)	41.3	(*)	(*)	5.78	(*)	(*)
Worcester .....	248.26	(*)	(*)	40.9	(*)	(*)	6.07	(*)	(*)
<b>MICHIGAN</b> .....	(*)	361.88	364.49	(*)	40.0	39.9	(*)	9.05	9.14
Ann Arbor .....	(*)	389.17	379.56	(*)	40.7	39.5	(*)	9.56	9.61
Battle Creek .....	(*)	372.11	367.26	(*)	41.3	41.2	(*)	9.01	8.91
Bay City .....	(*)	319.69	329.86	(*)	39.4	40.3	(*)	8.11	8.19
Detroit .....	(*)	391.27	391.88	(*)	40.5	40.4	(*)	9.66	9.70
Flint .....	(*)	422.92	429.53	(*)	41.2	41.5	(*)	10.27	10.35
Grand Rapids .....	(*)	288.35	306.69	(*)	39.8	39.7	(*)	7.25	7.71
Jackson .....	(*)	340.61	343.18	(*)	41.9	42.0	(*)	8.13	8.17
Kalamazoo—Portage .....	(*)	339.15	335.96	(*)	40.5	39.9	(*)	8.37	8.42
Lansing—East Lansing .....	(*)	359.21	382.71	(*)	38.0	39.7	(*)	9.45	9.64
Muskegon—Norton Shores—Muskegon Heights .....	(*)	313.48	323.43	(*)	40.0	40.5	(*)	7.84	7.99
Saginaw .....	(*)	395.37	403.85	(*)	38.2	39.0	(*)	10.35	10.36
<b>MINNESOTA</b> .....	266.77	(*)	(*)	39.7	(*)	(*)	6.77	(*)	(*)
Duluth—Superior .....	257.40	(*)	(*)	39.6	(*)	(*)	6.50	(*)	(*)
Minneapolis—St. Paul .....	288.55	(*)	(*)	40.3	(*)	(*)	7.16	(*)	(*)
<b>MISSISSIPPI</b> .....	192.94	207.11	209.75	39.7	39.6	39.5	4.86	5.23	5.31
Jackson .....	218.12	230.98	238.21	41.0	41.1	41.0	5.32	5.62	5.81

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		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>MISSOURI</b> .....	\$256.35	\$276.41	\$277.38	39.5	39.6	39.4	\$6.49	\$6.98	\$7.04
Kansas City .....	289.41	315.21	318.79	39.7	39.9	39.7	7.29	7.90	8.03
St. Joseph .....	239.55	249.00	264.81	39.4	37.5	39.0	6.08	6.64	6.79
St. Louis .....	299.14	313.58	314.41	40.7	40.1	39.9	7.35	7.82	7.88
Springfield .....	221.36	247.50	259.77	38.7	39.6	40.4	5.72	6.25	6.43
<b>MONTANA</b> .....	338.55	383.63	371.28	40.4	45.4	42.0	8.38	8.45	8.84
<b>NEBRASKA</b> .....	259.97	289.80	285.65	41.2	41.4	41.1	6.31	7.00	6.95
Lincoln .....	251.41	275.32	265.56	39.1	39.5	38.1	6.43	6.97	6.97
Omaha .....	273.21	297.14	289.48	40.9	40.1	39.6	6.68	7.41	7.31
<b>NEVADA</b> .....	259.97	277.99	(*)	38.4	39.6	(*)	6.77	7.02	(*)
Las Vegas .....	343.26	(*)	(*)	40.1	(*)	(*)	8.56	(*)	(*)
<b>NEW HAMPSHIRE</b> .....	208.40	(*)	(*)	40.0	(*)	(*)	5.21	(*)	(*)
Manchester .....	182.96	(*)	(*)	38.6	(*)	(*)	4.74	(*)	(*)
Nashua .....	234.89	(*)	(*)	41.5	(*)	(*)	5.66	(*)	(*)
<b>NEW JERSEY</b> .....	271.05	285.10	(*)	41.7	41.2	(*)	6.50	6.92	(*)
Atlantic City .....	186.84	209.37	(*)	37.1	38.7	(*)	5.09	5.41	(*)
Camden <sup>3</sup> .....	253.03	272.43	(*)	40.1	40.6	(*)	6.31	6.71	(*)
Hackensack <sup>4</sup> .....	249.55	262.08	(*)	43.1	41.6	(*)	5.79	6.30	(*)
Jersey City <sup>4</sup> .....	275.81	282.40	(*)	41.6	40.4	(*)	6.63	6.99	(*)
New Brunswick—Perth Amboy—Sayreville <sup>4</sup> .....	294.17	308.56	(*)	41.2	40.6	(*)	7.14	7.60	(*)
Newark <sup>4</sup> .....	276.25	293.16	(*)	42.5	42.0	(*)	6.50	6.98	(*)
Paterson—Clifton—Passaic <sup>4</sup> .....	253.17	271.75	(*)	41.3	41.3	(*)	6.13	6.58	(*)
Trenton .....	271.32	281.47	(*)	40.8	39.7	(*)	6.65	7.09	(*)
<b>NEW MEXICO</b> .....	200.85	231.09	227.52	38.7	40.4	39.5	5.19	5.72	5.76
Albuquerque .....	207.77	243.67	247.52	39.5	41.3	41.6	5.26	5.90	5.95
<b>NEW YORK</b> .....	256.07	275.71	(*)	39.7	39.9	(*)	6.45	6.91	(*)
Albany—Schenectady—Troy .....	266.90	292.84	(*)	39.6	40.9	(*)	6.74	7.16	(*)
Binghamton .....	234.84	260.82	(*)	40.7	41.4	(*)	5.77	6.30	(*)
Buffalo .....	344.44	359.45	(*)	41.7	40.8	(*)	8.26	8.81	(*)
Elmira .....	254.34	272.97	(*)	40.5	40.5	(*)	6.28	6.74	(*)
Monroe County <sup>5</sup> .....	348.53	368.68	(*)	42.4	41.8	(*)	8.22	8.82	(*)
Nassau—Suffolk <sup>6</sup> .....	237.37	260.95	(*)	39.3	39.9	(*)	6.04	6.54	(*)
New York—Northeastern New Jersey .....	243.97	260.83	(*)	39.8	39.7	(*)	6.13	6.57	(*)
New York and Nassau—Suffolk <sup>4</sup> .....	220.96	240.52	(*)	37.9	38.3	(*)	5.83	6.28	(*)
New York SMSA <sup>6</sup> .....	217.33	234.98	(*)	37.6	37.9	(*)	5.78	6.20	(*)
New York City <sup>7</sup> .....	214.48	229.40	(*)	37.3	37.3	(*)	5.75	6.15	(*)
Poughkeepsie .....	253.86	267.49	(*)	42.1	40.9	(*)	6.03	6.54	(*)
Rochester .....	327.60	344.87	(*)	42.0	41.5	(*)	7.80	8.31	(*)
Rockland County <sup>7</sup> .....	246.38	273.24	(*)	41.2	41.4	(*)	5.98	6.60	(*)
Syracuse .....	287.43	307.13	(*)	41.9	41.9	(*)	6.86	7.33	(*)
Utica—Rome .....	240.60	264.80	(*)	39.9	40.0	(*)	6.03	6.62	(*)
Westchester County <sup>7</sup> .....	235.41	271.74	(*)	39.3	42.0	(*)	5.99	6.47	(*)
<b>NORTH CAROLINA</b> .....	184.86	204.97	204.34	39.0	39.8	39.6	4.74	5.15	5.16
Asheville .....	187.63	204.83	200.99	40.7	40.4	39.8	4.61	5.07	5.05
Charlotte—Gastonia .....	194.81	212.59	209.71	41.1	41.2	40.8	4.74	5.16	5.14
Greensboro—Winston-Salem—High Point .....	196.48	222.16	217.28	38.3	39.6	38.8	5.13	5.61	5.60
Raleigh—Durham .....	206.84	231.26	232.65	39.1	39.6	39.1	5.29	5.84	5.95
<b>NORTH DAKOTA</b> .....	217.83	232.23	232.01	37.3	36.4	37.3	5.84	6.38	6.22
Fargo—Moorhead .....	231.47	245.95	257.93	36.8	35.8	36.9	6.29	6.87	6.99
<b>OHIO</b> .....	323.82	331.30	332.93	42.0	40.7	40.7	7.71	8.14	8.18
Akron .....	323.76	339.08	341.54	42.6	41.2	41.6	7.60	8.23	8.21
Canton .....	337.33	338.85	342.40	41.8	40.1	40.0	8.07	8.45	8.56
Cincinnati .....	299.59	316.00	319.66	41.9	41.2	41.3	7.15	7.67	7.74
Cleveland .....	340.92	336.59	341.96	43.1	40.7	41.2	7.91	8.27	8.30
Columbus .....	275.60	295.20	293.49	40.0	40.0	39.5	6.89	7.38	7.43
Dayton .....	331.14	345.69	341.55	42.4	41.8	41.3	7.81	8.27	8.27
Toledo .....	333.22	343.88	344.73	41.6	40.6	40.7	8.01	8.47	8.47
Youngstown—Warren .....	384.08	382.93	389.42	42.3	39.6	39.9	9.08	9.67	9.76

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		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>OKLAHOMA</b> .....	\$250.67	\$281.70	\$283.38	40.3	40.3	39.8	\$6.22	\$6.99	\$7.12
Oklahoma City .....	239.51	301.58	306.12	39.1	41.2	41.2	6.10	7.32	7.43
Tulsa .....	273.21	294.00	295.04	40.9	40.0	39.6	6.68	7.35	7.40
<b>OREGON</b> <sup>1</sup> .....	(*)	293.47	(*)	(*)	35.4	(*)	(*)	8.29	(*)
Eugene—Springfield <sup>1</sup> .....	(*)	326.88	(*)	(*)	37.4	(*)	(*)	8.74	(*)
Jackson County <sup>1</sup> .....	(*)	310.88	(*)	(*)	37.5	(*)	(*)	8.29	(*)
Portland <sup>1</sup> .....	(*)	271.96	(*)	(*)	33.7	(*)	(*)	8.07	(*)
<b>PENNSYLVANIA</b> <sup>1</sup> .....	271.32	285.32	(*)	39.9	39.3	(*)	6.80	7.26	(*)
Allentown—Bethlehem—Easton <sup>1</sup> .....	261.44	291.82	289.92	38.0	38.6	38.4	6.88	7.56	7.55
Altoona <sup>1</sup> .....	230.18	252.65	251.14	38.3	39.6	39.8	6.01	6.38	6.31
Delaware Valley <sup>1, 8</sup> .....	274.53	292.73	(*)	39.5	40.1	(*)	6.95	7.30	(*)
Erie <sup>1</sup> .....	281.99	308.38	306.59	41.9	41.9	41.6	6.73	7.36	7.37
Harrisburg <sup>1</sup> .....	256.40	287.73	289.82	40.0	41.7	41.7	6.41	6.90	6.95
Johnstown .....	293.54	302.73	307.47	40.6	37.7	38.1	7.23	8.03	8.07
Lancaster <sup>1</sup> .....	235.42	257.22	259.08	39.7	40.7	40.8	5.93	6.32	6.35
Northeast Pennsylvania <sup>1</sup> .....	190.69	211.49	206.96	37.1	37.3	36.5	5.14	5.67	5.67
Philadelphia SMSA <sup>1</sup> .....	271.26	289.84	(*)	39.6	40.2	(*)	6.85	7.21	(*)
Pittsburgh <sup>1</sup> .....	334.97	355.37	355.45	40.6	40.2	40.3	8.21	8.84	8.82
Reading <sup>1</sup> .....	237.12	267.74	262.68	38.0	39.2	38.8	6.24	6.83	6.77
Scranton <sup>1, 9</sup> .....	194.30	207.38	196.51	38.4	37.5	35.6	5.06	5.53	5.52
Wilkes-Barre—Hazleton <sup>1, 10</sup> .....	187.88	212.18	213.12	36.2	36.9	37.0	5.19	5.75	5.76
Williamsport <sup>1</sup> .....	241.74	275.25	272.12	39.5	40.3	39.9	6.12	6.83	6.82
York .....	243.19	264.79	260.80	40.6	40.8	40.0	5.99	6.49	6.52
<b>RHODE ISLAND</b> .....	195.92	215.17	213.49	39.5	39.7	39.1	4.96	5.42	5.46
Providence—Warwick—Pawtucket .....	196.81	213.98	211.77	39.6	39.7	39.0	4.97	5.39	5.43
<b>SOUTH CAROLINA</b> .....	201.14	221.12	220.86	40.8	41.1	40.9	4.93	5.38	5.40
Charleston—North Charleston .....	230.01	244.16	250.04	41.0	39.7	40.2	5.61	6.15	6.22
Columbia .....	199.00	216.54	215.20	39.8	40.4	40.0	5.00	5.36	5.38
Greenville—Spartanburg .....	198.86	220.71	221.68	40.5	41.1	40.9	4.91	5.37	5.42
<b>SOUTH DAKOTA</b> .....	213.73	253.02	(*)	53.9	42.1	(*)	5.37	6.01	(*)
Rapid City .....	181.72	211.94	(*)	33.1	35.5	(*)	5.49	5.97	(*)
Sioux Falls .....	280.16	339.34	334.07	41.2	47.0	45.7	6.80	7.22	7.31
<b>TENNESSEE</b> .....	213.59	232.85	(*)	39.7	39.6	(*)	5.38	5.88	(*)
Chattanooga .....	216.41	241.92	(*)	40.3	42.0	(*)	5.37	5.76	(*)
Knoxville .....	250.85	272.96	(*)	40.2	40.2	(*)	6.24	6.79	(*)
Memphis .....	239.40	258.30	(*)	40.1	39.8	(*)	5.97	6.49	(*)
Nashville—Davidson .....	232.06	238.65	(*)	39.6	38.9	(*)	5.86	6.14	(*)
<b>TEXAS</b> .....	253.78	273.64	280.98	40.8	40.6	41.2	6.22	6.74	6.82
Amarillo .....	243.58	279.97	276.19	40.8	41.6	41.1	5.97	6.73	6.72
Austin .....	196.46	222.56	220.83	41.1	41.6	41.2	4.78	5.35	5.36
Beaumont—Port Arthur—Orange .....	306.16	372.78	(*)	40.5	41.1	(*)	8.82	9.07	(*)
Corpus Christi .....	264.32	287.83	285.26	39.1	39.7	39.4	6.76	7.25	7.24
Dallas—Fort Worth .....	235.76	258.22	261.35	40.3	40.6	40.9	5.85	6.36	6.39
El Paso <sup>1</sup> .....	180.57	198.50	199.56	38.5	38.1	38.6	4.69	5.21	5.17
Galveston—Texas City .....	396.77	368.22	405.04	42.3	38.0	41.5	9.38	9.69	9.76
Houston .....	325.57	346.96	354.42	43.7	43.1	43.6	7.45	8.05	8.06
Lubbock .....	196.02	220.18	217.71	40.5	42.1	41.0	4.84	5.23	5.31
San Antonio .....	179.47	208.75	202.40	39.1	41.5	40.4	4.59	5.03	5.01
Waco .....	209.21	230.47	229.90	38.6	39.6	38.9	5.42	5.82	5.91
Wichita Falls .....	227.61	253.13	251.65	40.5	40.5	40.2	5.62	6.25	6.26
<b>UTAH</b> .....	236.37	256.30	263.98	39.2	38.6	39.4	6.03	6.64	6.70
Salt Lake City—Ogden .....	222.21	239.62	244.38	39.4	38.4	39.1	5.64	6.24	6.25
<b>VERMONT</b> .....	218.97	240.20	240.49	40.7	41.2	40.9	5.38	5.83	5.88
Burlington .....	240.95	264.12	268.82	41.4	42.6	42.4	5.82	6.20	6.34
Springfield .....	264.12	292.81	294.13	42.6	44.5	43.9	6.20	6.58	6.70
<b>VIRGINIA</b> .....	210.99	236.81	236.22	39.0	39.8	39.7	5.41	5.95	5.95
Bristol .....	197.22	216.02	216.50	36.0	37.7	38.0	5.19	5.73	5.75
Lynchburg .....	220.99	239.60	237.60	40.4	39.8	40.0	5.47	6.02	5.94
Norfolk—Virginia Beach—Portsmouth .....	254.81	258.80	262.66	41.5	40.0	40.1	6.14	6.47	6.55
Northern Virginia <sup>11</sup> .....	229.20	266.66	256.90	38.2	40.1	38.4	6.00	6.65	6.69
Petersburg-Colonial Heights-Hopewell .....	247.69	277.36	270.27	37.7	38.9	38.5	6.57	7.13	7.02

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		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>VIRGINIA—Continued</b>									
Richmond .....	\$254.21	\$304.50	\$304.76	38.4	40.6	40.1	\$6.62	\$7.50	\$7.60
Roanoke .....	201.20	224.56	221.53	40.0	40.1	39.7	5.03	5.60	5.58
<b>WASHINGTON</b> .....	302.51	(*)	(*)	38.1	(*)	(*)	7.94	(*)	(*)
Seattle—Everett .....	315.51	(*)	(*)	39.0	(*)	(*)	8.09	(*)	(*)
Spokane .....	275.58	(*)	(*)	39.2	(*)	(*)	7.03	(*)	(*)
Tacoma .....	319.98	(*)	(*)	39.7	(*)	(*)	8.06	(*)	(*)
<b>WEST VIRGINIA</b> <sup>2</sup> .....	286.08	307.97	312.82	39.9	40.1	39.9	7.17	7.68	7.84
Charleston <sup>2</sup> .....	316.73	346.10	360.38	42.4	41.8	42.8	7.47	8.28	8.42
Huntington—Ashland <sup>2</sup> .....	315.99	332.09	338.18	40.1	39.3	39.6	7.88	8.45	8.54
Parkersburg—Marietta <sup>2</sup> .....	291.62	328.84	325.56	40.9	40.9	40.9	7.13	8.04	7.96
Wheeling <sup>2</sup> .....	296.72	330.40	338.85	39.3	41.3	40.1	7.55	8.00	8.45
<b>WISCONSIN</b> <sup>1</sup> .....	293.86	312.18	315.94	41.3	40.4	40.6	7.11	7.72	7.78
Appleton—Oshkosh <sup>1</sup> .....	288.53	308.71	308.71	42.0	41.2	41.4	6.87	7.49	7.46
Eau Claire <sup>1</sup> .....	294.56	305.33	317.97	42.2	39.5	40.9	6.98	7.72	7.77
Green Bay <sup>1</sup> .....	290.43	320.34	323.64	41.3	41.3	41.7	7.04	7.77	7.77
Kenosha <sup>1</sup> .....	321.24	361.77	367.04	39.8	40.4	40.5	8.07	8.96	9.06
La Crosse <sup>1</sup> .....	225.08	270.37	270.78	39.6	39.8	40.2	5.69	6.79	6.73
Madison <sup>1</sup> .....	276.46	321.30	312.12	39.3	39.7	39.7	7.04	8.10	7.85
Milwaukee <sup>1</sup> .....	323.72	343.15	347.35	41.6	40.7	40.8	7.79	8.43	8.51
Racine <sup>1</sup> .....	319.46	336.29	336.60	42.9	41.5	41.3	7.45	8.11	8.16
<b>WYOMING</b> .....	235.21	244.19	279.41	37.1	36.5	38.7	6.34	6.69	7.22
Casper .....	318.83	286.49	284.00	41.3	34.6	34.3	7.72	8.28	8.28
Cheyenne .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
<b>VIRGIN ISLANDS</b> .....	266.80	300.03	(*)	41.3	41.1	(*)	6.46	7.30	(*)

<sup>1</sup> Revised to 1979 benchmark; not strictly comparable with previously published data.

<sup>2</sup> Revised to 1978 benchmark; not strictly comparable with previously published data.

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

<sup>4</sup> Subarea of New York-Northeastern New Jersey.

<sup>5</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>6</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>7</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>8</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia

Counties, Pennsylvania.

<sup>9</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

<sup>10</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

<sup>11</sup> 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, 1970 to date**

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>													
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.....	4.5	4.1	3.7	4.0	4.1	4.9	5.4	4.7	6.1	5.4	4.8	3.7	2.7
1973.....	4.8	4.7	4.1	4.5	4.6	5.4	5.9	5.2	6.3	5.8	5.2	3.8	2.6
1974.....	4.2	4.2	3.7	4.1	4.5	5.1	5.4	4.9	5.5	4.9	3.8	2.4	1.8
1975.....	3.7	2.9	2.7	3.2	3.7	4.0	4.5	4.6	5.2	4.6	3.7	2.8	2.2
1976.....	3.9	3.9	3.5	4.2	3.9	4.5	4.8	4.2	5.1	4.4	3.5	2.9	2.2
1977.....	4.0	3.7	3.7	4.0	3.8	4.6	4.9	4.3	5.3	4.6	3.9	3.1	2.4
1978.....	4.1	3.8	3.2	3.8	4.0	4.7	4.9	4.4	5.4	4.9	4.3	3.3	2.4
1979.....	3.9	4.0	p3.4	3.8	3.9	4.7	4.8	4.3	4.9	4.4	4.1	2.9	2.2
1980.....		3.8	p3.2										
<b>New hires</b>													
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	2.5	2.8	2.9	3.7	4.2	3.5	4.5	4.3	3.9	2.9	2.1
1973.....	3.9	3.5	3.2	3.5	3.7	4.5	5.0	4.1	5.1	4.8	4.4	3.1	2.0
1974.....	3.2	3.2	2.8	3.1	3.3	4.0	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	3.1	2.5	1.8	1.3
1976.....	2.6	2.1	2.1	2.7	2.6	3.1	3.6	2.9	3.6	3.2	2.5	1.9	1.3
1977.....	2.8	2.2	2.1	2.6	2.7	3.5	3.7	3.0	4.0	3.5	3.0	2.2	1.6
1978.....	3.1	2.5	2.2	2.7	2.9	3.6	3.9	3.3	4.2	3.9	3.5	2.6	1.7
1979.....	2.9	2.8	2.5	2.8	2.9	3.6	3.8	3.1	3.7	3.4	3.1	2.2	1.5
1980.....		2.4	p2.1										
<b>Recalls</b>													
1976.....	1.0	1.4	1.0	1.2	1.0	1.0	.9	1.1	1.1	.8	.7	.7	.7
1977.....	.9	1.2	1.3	1.1	.9	.8	.8	.9	1.0	.8	.6	.6	.6
1978.....	.7	1.0	.7	.8	.8	.8	.7	.8	.9	.7	.6	.5	.5
1979.....	.7	.9	p.7	.7	.7	.8	.7	.9	.9	.8	.7	.5	.5
1980.....		1.1	p.9										
<b>Total separations</b>													
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.....	4.3	4.1	3.5	3.9	3.8	3.9	4.2	4.8	5.5	5.5	4.4	3.8	3.7
1973.....	4.7	4.3	3.8	4.3	4.2	4.4	4.5	5.2	6.5	5.8	5.0	4.2	4.0
1974.....	4.9	5.0	4.1	4.4	4.3	4.4	4.2	4.9	6.2	5.5	5.1	5.0	5.2
1975.....	4.2	6.1	4.5	4.2	4.0	3.9	3.7	4.4	4.7	4.4	4.1	3.5	3.4
1976.....	3.8	3.7	3.0	3.5	3.6	3.4	3.6	4.3	4.9	4.7	4.1	3.4	3.5
1977.....	3.8	3.9	3.4	3.4	3.4	3.5	3.5	4.3	5.1	4.9	3.8	3.4	3.4
1978.....	3.9	3.6	3.1	3.5	3.6	3.7	3.8	4.1	5.3	4.8	4.1	3.5	3.4
1979.....	4.0	3.8	3.2	3.6	3.6	3.8	3.9	4.3	5.7	4.7	4.2	3.8	3.5
1980.....		4.1	p3.5										
<b>Quits</b>													
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.....	2.3	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	2.0	1.6
1973.....	2.8	2.3	2.1	2.5	2.5	2.8	2.8	2.8	4.6	4.0	3.1	2.3	1.6
1974.....	2.4	2.2	2.0	2.3	2.4	2.7	2.5	2.6	4.0	3.3	2.2	1.4	1.0
1975.....	1.4	1.1	.9	1.0	1.1	1.3	1.4	1.5	2.5	2.1	1.6	1.2	.9
1976.....	1.7	1.3	1.2	1.6	1.7	1.7	1.8	1.9	2.8	2.5	1.7	1.2	1.0
1977.....	1.8	1.4	1.3	1.6	1.7	1.9	1.9	1.9	3.1	2.8	1.9	1.5	1.2
1978.....	2.1	1.5	1.4	1.8	2.0	2.1	2.2	2.1	3.5	3.1	2.3	1.7	1.3
1979.....	2.0	1.8	1.6	1.9	2.0	2.1	2.1	2.0	3.3	2.7	2.1	1.6	1.1
1980.....		1.6	p1.4										
<b>Layoffs</b>													
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	1.5	1.1	1.1	1.0	.9	1.1	1.7	.9	.9	1.0	1.0	1.3
1973.....	.9	1.1	.8	.8	.7	.7	.7	1.4	.8	.8	.8	1.1	1.6
1974.....	1.5	1.8	1.3	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975.....	2.1	4.0	2.9	2.5	2.1	1.8	1.6	2.0	1.3	1.5	1.6	1.7	1.9
1976.....	1.3	1.6	1.0	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977.....	1.1	1.7	1.4	1.0	.9	.8	.8	1.5	1.0	1.1	1.1	1.1	1.5
1978.....	.9	1.2	.9	.9	.8	.7	.7	1.0	.8	.8	.9	1.0	1.4
1979.....	1.1	1.1	p.8	.8	.9	.7	.8	1.4	1.3	1.1	1.2	1.5	1.7
1980.....		1.6	p1.2										

p=preliminary.



**ESTABLISHMENT DATA  
LABOR TURNOVER**

**D-2. Labor turnover rates, by industry**

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>
	<b>MANUFACTURING</b> .....	3.8	3.2	2.4	2.1	1.1	0.9	4.1	3.5	1.6	1.4	1.6	1.2
24, 25, 32-39	<b>DURABLE GOODS</b> .....	3.5	3.0	2.1	1.9	1.0	.8	3.9	3.2	1.4	1.2	1.7	1.2
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	4.2	3.6	2.8	2.5	1.2	.9	4.3	3.9	2.0	1.8	1.5	1.3
	<b>DURABLE GOODS</b>												
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	4.7	4.7	2.9	2.8	1.6	1.7	5.9	5.7	2.4	2.2	2.6	2.6
242	Sawmills and planing mills .....	4.4	-	1.7	-	2.2	-	4.5	-	1.0	-	2.9	-
2421	Sawmills and planing mills, general .....	3.7	-	1.9	-	1.4	-	4.4	-	1.8	-	1.8	-
243	Millwork, plywood, and structural members .....	4.4	-	2.5	-	1.8	-	5.6	-	2.3	-	2.4	-
2431	Millwork .....	5.0	-	2.4	-	2.5	-	4.7	-	2.0	-	1.9	-
244	Wooden containers .....	6.1	-	5.1	-	.8	-	5.7	-	3.6	-	1.2	-
245	Wood buildings and mobile homes .....	8.1	-	5.4	-	2.5	-	13.7	-	4.7	-	7.7	-
2451	Mobile homes .....	10.3	-	6.7	-	3.4	-	13.1	-	5.6	-	5.9	-
249	Miscellaneous wood products .....	4.6	-	3.3	-	1.0	-	5.0	-	2.5	-	1.7	-
25	<b>FURNITURE AND FIXTURES</b> .....	4.6	3.9	3.6	3.1	.7	.7	5.0	4.0	2.5	2.2	1.4	.8
251	Household furniture .....	4.8	-	3.9	-	.7	-	5.5	-	2.8	-	1.5	-
2511	Wood household furniture .....	4.8	-	4.2	-	.4	-	5.5	-	3.1	-	1.2	-
2512	Upholstered household furniture .....	4.0	-	3.3	-	.5	-	5.2	-	2.7	-	1.5	-
2515	Mattresses and bedsprings .....	5.6	-	4.2	-	1.3	-	5.7	-	2.7	-	1.6	-
252	Office furniture .....	3.0	-	2.7	-	.2	-	3.1	-	1.9	-	.6	-
254	Partitions and fixtures .....	4.8	-	3.8	-	.8	-	3.9	-	2.1	-	.8	-
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	3.6	3.3	1.9	1.8	1.6	1.4	4.8	3.9	1.4	1.2	2.6	1.9
322	Glass and glassware, pressed or blown .....	2.6	-	.9	-	1.3	-	3.4	-	.7	-	2.0	-
3221	Glass containers .....	2.7	-	1.0	-	1.5	-	3.2	-	.9	-	1.7	-
3229	Pressed and blown glass, nec .....	2.4	-	.7	-	1.2	-	3.7	-	.5	-	2.2	-
323	Products of purchased glass .....	5.2	-	1.9	-	3.0	-	4.5	-	1.3	-	2.4	-
324	Cement, hydraulic .....	1.2	-	.7	-	.3	-	2.9	-	.5	-	1.8	-
325	Structural clay products .....	3.8	-	2.5	-	1.2	-	6.6	-	2.3	-	3.3	-
326	Pottery and related products .....	4.2	-	2.2	-	1.9	-	3.8	-	1.5	-	1.5	-
327	Concrete, gypsum, and plaster products .....	4.4	-	2.9	-	1.4	-	7.5	-	2.0	-	4.6	-
329	Misc. nonmetallic mineral products .....	2.9	-	1.6	-	1.1	-	3.1	-	1.1	-	1.2	-
33	<b>PRIMARY METAL INDUSTRIES</b> .....	3.1	2.1	1.2	.9	1.6	.9	3.2	2.5	.7	.6	1.6	1.1
331	Blast furnace and basic steel products .....	2.9	-	.4	-	2.2	-	3.1	-	.3	-	1.8	-
3312	Blast furnaces and steel mills .....	3.0	-	.3	-	2.3	-	3.1	-	.2	-	1.8	-
332	Iron and steel foundries .....	3.8	-	1.6	-	1.8	-	3.6	-	1.2	-	1.6	-
3321	Gray iron foundries .....	3.4	-	1.3	-	1.6	-	3.6	-	1.1	-	1.6	-
3325	Steel foundries, nec .....	4.5	-	1.9	-	2.4	-	2.8	-	1.1	-	.7	-
333	Primary nonferrous metals .....	1.1	-	.8	-	.2	-	1.2	-	.3	-	.3	-
335	Nonferrous rolling and drawing .....	2.1	-	1.3	-	.6	-	3.0	-	.6	-	1.6	-
3351	Copper rolling and drawing .....	2.5	-	1.0	-	1.4	-	2.4	-	.6	-	1.0	-
3353	Aluminum sheet, plate, and foil .....	1.6	-	.5	-	1.1	-	1.4	-	.2	-	.7	-
3357	Nonferrous wire drawing and insulating .....	1.7	-	1.3	-	.2	-	3.8	-	.5	-	2.7	-
336	Nonferrous foundries .....	5.5	-	3.3	-	1.9	-	4.2	-	1.7	-	1.3	-
3361	Aluminum foundries .....	6.3	-	3.5	-	2.2	-	4.0	-	1.7	-	1.1	-
34	<b>FABRICATED METAL PRODUCTS</b> .....	4.0	3.4	2.5	2.2	1.2	1.0	4.3	3.7	1.6	1.4	1.8	1.4
341	Metal cans and shipping containers .....	5.3	-	1.2	-	3.7	-	4.5	-	.9	-	2.5	-
3411	Metal cans .....	5.7	-	1.0	-	4.4	-	4.7	-	.7	-	2.9	-
342	Cutlery, hand tools, and hardware .....	3.4	-	2.1	-	1.1	-	4.6	-	1.4	-	2.3	-
3423, 5	Hand and edge tools, and hand saws and blades .....	2.7	-	2.5	-	.2	-	3.7	-	1.7	-	1.3	-
3429	Hardware, nec .....	3.8	-	1.8	-	1.9	-	5.3	-	1.2	-	3.1	-
343	Plumbing and heating, except electric .....	3.8	-	3.2	-	.5	-	3.2	-	1.7	-	.7	-
344	Fabricated structural metal products .....	4.1	-	2.9	-	1.1	-	4.7	-	1.9	-	1.8	-
3441	Fabricated structural metal .....	4.4	-	3.3	-	1.0	-	4.5	-	1.8	-	1.7	-
3442	Metal doors, sash, and trim .....	4.2	-	3.1	-	1.1	-	7.8	-	2.7	-	3.9	-
3443	Fabricated plate work (boiler shops) .....	2.6	-	1.9	-	.5	-	2.8	-	1.2	-	.8	-
3444	Sheet metal work .....	5.1	-	3.5	-	1.5	-	4.9	-	2.2	-	1.8	-
345	Screw machine products, bolts, etc. ....	3.6	-	2.8	-	.7	-	3.7	-	1.8	-	1.1	-
3451	Screw machine products .....	4.0	-	3.5	-	.5	-	3.6	-	2.3	-	.6	-
3452	Bolts, nuts, rivets, and washers .....	3.3	-	2.1	-	.9	-	3.7	-	1.3	-	1.5	-
346	Metal forgings and stampings .....	4.3	-	1.9	-	1.9	-	4.8	-	1.1	-	2.9	-
3462	Iron and steel forgings .....	4.3	-	1.7	-	2.5	-	3.1	-	.7	-	1.7	-
3465	Automotive stampings .....	5.5	-	.4	-	3.5	-	8.2	-	.5	-	7.1	-
3469	Metal stampings, nec .....	3.9	-	3.0	-	.7	-	3.7	-	1.7	-	1.1	-
347	Metal services, nec .....	5.3	-	3.8	-	1.2	-	5.4	-	2.7	-	1.6	-
348	Ordinance and accessories, nec .....	2.7	-	1.4	-	1.0	-	3.0	-	.9	-	1.3	-
349	Misc. fabricated metal products .....	3.3	-	2.5	-	.7	-	3.5	-	1.5	-	1.2	-
3494	Valves and pipe fittings .....	2.7	-	2.0	-	.5	-	2.3	-	1.2	-	.4	-
3496	Misc. fabricated wire products .....	4.8	-	3.6	-	1.1	-	4.3	-	2.4	-	1.0	-

See footnotes at end of table.

# ESTABLISHMENT DATA

## LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	2.9	2.4	2.1	1.8	0.5	0.4	2.8	2.4	1.2	1.0	0.8	0.6
361	Engines and turbines	1.8	-	.7	-	.3	-	4.2	-	.5	-	2.4	-
3511	Turbines and turbine generator sets	1.9	-	.8	-	.1	-	2.2	-	.3	-	.4	-
3519	Internal combustion engines, nec	1.8	-	.6	-	.3	-	5.0	-	.5	-	3.2	-
352	Farm and garden machinery	3.9	-	2.3	-	1.3	-	3.7	-	1.3	-	1.4	-
3523	Farm machinery and equipment	3.7	-	2.1	-	1.2	-	3.7	-	1.3	-	1.4	-
353	Construction and related machinery	2.4	-	1.9	-	.3	-	2.5	-	1.0	-	.7	-
3531	Construction machinery	1.5	-	1.0	-	.3	-	1.7	-	.6	-	.7	-
3533	Oil field machinery	3.7	-	3.2	-	.2	-	2.7	-	1.6	-	.2	-
354	Metalworking machinery	2.9	-	2.3	-	.3	-	2.3	-	1.2	-	.4	-
3541	Machine tools, metal cutting types	2.3	-	2.0	-	.1	-	1.7	-	.9	-	.2	-
3544	Special dies, tools, jigs, and fixtures	3.6	-	2.6	-	.7	-	3.0	-	1.4	-	.6	-
3545	Machine tool accessories	2.4	-	2.2	-	.1	-	2.1	-	1.1	-	.3	-
355	Special industry machinery	2.4	-	2.0	-	.2	-	2.3	-	1.2	-	.5	-
3551	Food products machinery	2.4	-	2.0	-	.3	-	1.9	-	1.0	-	.3	-
3552	Textile machinery	2.6	-	2.1	-	.2	-	2.8	-	1.6	-	.3	-
356	General industrial machinery	2.5	-	1.7	-	.4	-	2.4	-	.9	-	.7	-
3561	Pumps and pumping equipment	2.0	-	1.7	-	.1	-	2.1	-	1.0	-	.5	-
3562	Ball and roller bearings	2.5	-	1.2	-	.2	-	2.7	-	.6	-	1.1	-
3564	Blowers and fans	3.3	-	2.2	-	.8	-	2.4	-	1.3	-	.6	-
357	Office and computing machines	2.7	-	2.3	-	.1	-	1.8	-	1.1	-	.1	-
3573	Electronic computing equipment	2.6	-	2.3	-	.1	-	1.7	-	1.1	-	.1	-
358	Refrigeration and service machinery	3.6	-	1.6	-	1.6	-	3.6	-	1.1	-	1.3	-
3585	Refrigeration and heating equipment	3.9	-	1.2	-	2.1	-	4.0	-	1.0	-	1.6	-
359	Misc. machinery, except electrical	4.4	-	3.0	-	.8	-	4.1	-	1.9	-	1.2	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	3.1	2.9	2.1	2.0	.5	.5	3.4	2.8	1.4	1.2	1.0	.7
361	Electric distributing equipment	3.0	-	1.8	-	.5	-	3.7	-	1.4	-	1.0	-
3612	Transformers	2.8	-	1.2	-	.6	-	4.0	-	1.3	-	1.3	-
3613	Switchgear and switchboard apparatus	3.2	-	2.2	-	.4	-	3.4	-	1.5	-	.7	-
362	Electrical industrial apparatus	3.0	-	1.7	-	.8	-	2.9	-	1.1	-	.9	-
3621	Motors and generators	3.4	-	1.6	-	1.2	-	3.2	-	.9	-	1.4	-
3622	Industrial controls	2.8	-	1.5	-	.5	-	2.8	-	1.2	-	.6	-
363	Household appliances	3.7	-	1.6	-	1.2	-	3.6	-	1.2	-	.9	-
3632	Household refrigerators and freezers	3.0	-	.1	-	1.0	-	4.4	-	.7	-	.6	-
3633	Household laundry equipment	1.9	-	1.0	-	.2	-	1.7	-	.3	-	.8	-
3634	Electric housewares and fans	5.7	-	2.6	-	2.6	-	4.9	-	2.3	-	1.5	-
364	Electric lighting and wiring equipment	3.2	-	2.1	-	.6	-	3.3	-	1.4	-	.9	-
3641	Electric lamps	2.0	-	.9	-	.4	-	2.6	-	.7	-	.9	-
3643	Current-carrying wiring devices	2.6	-	2.1	-	.2	-	3.1	-	1.6	-	.7	-
365	Radio and TV receiving equipment	2.9	-	1.6	-	.7	-	6.4	-	1.3	-	3.8	-
3651	Radio and TV receiving sets	2.8	-	1.7	-	.4	-	4.4	-	1.2	-	1.8	-
366	Communication equipment	2.3	-	1.9	-	.2	-	2.0	-	1.0	-	.3	-
3661	Telephone and telegraph apparatus	1.6	-	1.3	-	.2	-	.9	-	.5	-	.1	-
3662	Radio and TV communication equipment	2.6	-	2.1	-	.2	-	2.5	-	1.2	-	.4	-
367	Electronic components and accessories	3.7	-	3.2	-	.3	-	3.7	-	2.2	-	.6	-
3671-3	Electronic tubes	2.1	-	1.6	-	.2	-	2.3	-	1.1	-	.5	-
3674	Semiconductors and related devices	2.9	-	2.5	-	.2	-	2.3	-	1.4	-	.1	-
3679	Electronic components, nec	4.3	-	3.7	-	.4	-	4.5	-	2.8	-	.8	-
369	Misc. electrical equipment and supplies	2.9	-	1.5	-	1.0	-	5.1	-	1.0	-	3.1	-
3694	Engine electrical equipment	3.4	-	.9	-	1.9	-	5.1	-	.6	-	3.5	-
37	<b>TRANSPORTATION EQUIPMENT</b>	3.3	-	1.5	-	1.4	-	4.8	-	.9	-	3.0	-
371	Motor vehicles and equipment	2.3	-	.5	-	1.3	-	6.9	-	.6	-	5.3	-
3711	Motor vehicles and car bodies	1.5	-	.2	-	.6	-	8.3	-	.5	-	6.8	-
3713	Truck and bus bodies	5.4	-	1.6	-	3.7	-	4.1	-	1.5	-	1.7	-
3714	Motor vehicle parts and accessories	2.6	-	.5	-	1.6	-	6.0	-	.6	-	4.4	-
3715	Truck trailers	3.6	-	1.2	-	2.2	-	5.5	-	1.3	-	3.2	-
372	Aircraft and parts	2.5	-	2.0	-	.1	-	1.6	-	.9	-	.2	-
3721	Aircraft	2.3	-	1.7	-	.2	-	1.3	-	.8	-	.1	-
3724	Aircraft engines and engine parts	1.7	-	1.2	-	.1	-	1.4	-	.4	-	.2	-
3728	Aircraft equipment, nec	4.0	-	3.6	-	.2	-	2.8	-	1.7	-	.3	-
373	Ship and boat building and repairing	7.4	-	3.7	-	3.5	-	6.4	-	2.0	-	3.5	-
3731	Ship building and repairing	6.7	-	3.5	-	2.9	-	5.9	-	1.7	-	3.1	-
3732	Boat building and repairing	9.9	-	4.3	-	5.4	-	8.4	-	2.8	-	4.8	-
374	Railroad equipment	3.4	-	1.5	-	1.4	-	5.0	-	.5	-	3.2	-
376	Guided missiles, space vehicles, parts	2.4	-	1.9	-	.3	-	1.5	-	.8	-	.2	-
3761	Guided missiles and space vehicles	2.4	-	1.9	-	.2	-	1.3	-	.6	-	.2	-
379	Miscellaneous transportation equipment	7.2	-	4.1	-	2.9	-	8.3	-	2.2	-	4.6	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	2.9	2.9	2.3	2.5	.3	.3	2.5	2.6	1.4	1.4	.4	.4
381	Engineering and scientific instruments	2.5	-	2.3	-	.1	-	1.9	-	1.3	-	.2	-
382	Measuring and controlling devices	2.9	-	2.2	-	.3	-	2.4	-	1.3	-	.3	-
3822	Environmental controls	4.2	-	2.6	-	1.3	-	3.4	-	1.6	-	.6	-
3823	Process control instruments	2.5	-	2.2	-	.2	-	3.5	-	1.2	-	.2	-
3825	Instruments to measure electricity	2.2	-	1.7	-	.1	-	1.7	-	1.1	-	.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>
	<b>INSTRUMENTS AND RELATED PRODUCTS—Cont'd</b>												
383	Optical instruments and lenses .....	3.3	—	3.0	—	0.1	—	2.6	—	1.8	—	0.1	—
384	Medical instruments and supplies .....	3.8	—	3.2	—	.3	—	3.1	—	1.8	—	.3	—
3841	Surgical and medical instruments .....	4.7	—	4.2	—	.1	—	3.3	—	2.2	—	.1	—
3842	Surgical appliances and supplies .....	3.2	—	2.5	—	.5	—	3.0	—	1.6	—	.4	—
385	Ophthalmic goods .....	5.3	—	3.6	—	.9	—	3.7	—	1.8	—	.8	—
386	Photographic equipment and supplies .....	1.4	—	1.0	—	.1	—	1.5	—	.9	—	.1	—
387	Watches, clocks, and watchcases .....	3.1	—	1.0	—	1.9	—	4.8	—	1.3	—	2.6	—
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	5.8	4.3	3.1	2.5	2.4	1.7	6.1	4.6	2.0	1.6	3.1	2.0
391	Jewelry, silverware, and plated ware .....	3.5	—	2.4	—	.9	—	9.0	—	1.7	—	6.5	—
393	Musical instruments .....	3.8	—	2.4	—	1.1	—	4.3	—	2.0	—	1.5	—
394	Toys and sporting goods .....	10.5	—	3.9	—	6.2	—	6.6	—	2.7	—	2.7	—
3942.4	Dolls, games, toys, and children's vehicles .....	15.8	—	3.7	—	11.7	—	8.3	—	3.7	—	3.5	—
3949	Sporting and athletic goods, nec .....	5.9	—	4.1	—	1.2	—	5.2	—	1.8	—	2.0	—
395	Pens, pencils, office and art supplies .....	3.3	—	2.8	—	.3	—	3.5	—	1.9	—	.7	—
396	Costume jewelry and notions .....	5.1	—	3.4	—	1.6	—	7.9	—	2.1	—	4.9	—
399	Miscellaneous manufactures .....	4.2	—	2.9	—	1.2	—	4.9	—	1.7	—	2.3	—
	<b>NONDURABLE GOODS</b>												
20	<b>FOOD AND KINDRED PRODUCTS</b>	4.8	4.3	2.9	2.5	1.6	1.5	5.9	5.2	2.4	2.0	2.6	2.4
201	Meat products .....	6.5	—	4.6	—	1.3	—	6.7	—	3.7	—	2.1	—
2011	Meat packing plants .....	3.8	—	2.2	—	1.0	—	4.8	—	1.5	—	2.4	—
2013	Sausages and other prepared meats .....	5.0	—	1.8	—	2.8	—	5.1	—	1.4	—	2.9	—
2016	Poultry dressing plants .....	11.2	—	9.7	—	.8	—	10.1	—	8.1	—	1.0	—
202	Dairy products .....	2.9	—	2.0	—	.5	—	3.6	—	1.6	—	1.2	—
203	Preserved fruits and vegetables .....	9.7	—	4.2	—	5.4	—	10.2	—	2.9	—	6.0	—
204	Grain mill products .....	3.2	—	2.3	—	.7	—	4.1	—	1.6	—	1.8	—
205	Bakery products .....	2.0	—	1.4	—	.5	—	2.8	—	1.3	—	.8	—
2051	Bread, cake, and related products .....	1.7	—	1.4	—	.2	—	2.7	—	1.3	—	.7	—
2052	Cookies and crackers .....	3.0	—	1.3	—	1.5	—	3.0	—	1.3	—	1.3	—
206	Sugar and confectionery products .....	5.2	—	2.0	—	3.0	—	7.4	—	1.9	—	4.5	—
207	Fats and oils .....	3.1	—	2.6	—	.4	—	4.9	—	2.2	—	1.9	—
208	Beverages .....	3.8	—	2.2	—	1.3	—	5.2	—	1.9	—	2.2	—
2082	Malt beverages .....	4.9	—	1.0	—	3.7	—	6.3	—	.5	—	4.3	—
2086	Bottled and canned soft drinks .....	3.5	—	2.9	—	.3	—	4.5	—	2.6	—	.9	—
209	Misc. foods and kindred products .....	4.4	—	2.8	—	1.4	—	8.2	—	3.2	—	4.1	—
21	<b>TOBACCO MANUFACTURES</b>	3.5	—	1.4	—	1.7	—	4.0	—	.9	—	2.3	—
211	Cigarettes .....	1.1	—	.4	—	.2	—	.9	—	.1	—	.1	—
22	<b>TEXTILE MILL PRODUCTS</b>	4.5	3.9	3.5	3.0	.7	.6	4.4	4.0	2.5	2.3	.8	.7
221	Weaving mills, cotton .....	3.9	—	3.0	—	.1	—	3.5	—	2.2	—	.1	—
222	Weaving mills, synthetics .....	3.6	—	3.0	—	.2	—	3.7	—	2.2	—	.4	—
223	Weaving and finishing mills, wool .....	4.9	—	3.2	—	1.4	—	4.8	—	2.7	—	1.3	—
224	Narrow fabric mills .....	4.1	—	3.0	—	.9	—	4.8	—	1.9	—	2.2	—
225	Knitting mills .....	5.3	—	4.2	—	1.0	—	5.0	—	2.6	—	1.4	—
2251	Women's hosiery, except socks .....	4.9	—	4.6	—	.3	—	4.3	—	3.2	—	.2	—
2252	Hosiery, nec .....	5.8	—	4.4	—	1.2	—	4.5	—	3.5	—	.4	—
2253	Knit outerwear mills .....	5.4	—	4.4	—	.8	—	6.2	—	2.4	—	2.7	—
2254	Knit underwear mills .....	3.5	—	3.0	—	.4	—	3.5	—	2.6	—	.4	—
2257	Circular knit fabric mills .....	7.6	—	5.7	—	1.8	—	5.4	—	2.4	—	.8	—
226	Textile finishing, except wool .....	4.4	—	3.1	—	.8	—	3.6	—	2.2	—	.5	—
227	Floor covering mills .....	2.8	—	2.1	—	.5	—	4.3	—	1.9	—	1.4	—
228	Yarn and thread mills .....	5.6	—	4.6	—	.6	—	5.3	—	3.7	—	.3	—
229	Miscellaneous textile goods .....	4.8	—	2.4	—	2.2	—	4.2	—	1.8	—	1.2	—
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	6.8	5.6	4.0	3.7	2.6	1.7	5.8	5.1	2.9	2.7	2.0	1.5
231	Men's and boys' suits and coats .....	4.6	—	2.6	—	1.6	—	4.1	—	1.7	—	1.6	—
232	Men's and boys' furnishings .....	6.3	—	4.7	—	1.4	—	5.4	—	3.8	—	1.0	—
2321	Men's and boys' shirts and nightwear .....	5.2	—	3.9	—	1.0	—	4.9	—	3.4	—	.9	—
2327	Men's and boys' separate trousers .....	5.1	—	4.5	—	.5	—	4.6	—	3.7	—	.3	—
2328	Men's and boys' work clothing .....	6.7	—	5.7	—	.8	—	5.6	—	4.6	—	.4	—
233	Women's and misses' outerwear .....	7.6	—	3.6	—	3.8	—	5.9	—	2.4	—	2.6	—
234	Women's and children's undergarments .....	5.6	—	3.7	—	1.8	—	5.1	—	2.9	—	1.5	—
2341	Women's and children's underwear .....	5.8	—	3.8	—	1.7	—	5.1	—	3.2	—	1.3	—
2342	Brassieres and allied garments .....	5.0	—	3.0	—	2.0	—	5.2	—	1.9	—	2.0	—
236	Children's outerwear .....	7.9	—	5.1	—	2.6	—	5.7	—	3.3	—	1.4	—
238	Misc. apparel and accessories .....	7.8	—	3.5	—	4.1	—	8.1	—	2.9	—	4.1	—
239	Misc. fabricated textile products .....	6.4	—	3.6	—	2.5	—	6.4	—	2.6	—	2.8	—
26	<b>PAPER AND ALLIED PRODUCTS</b>	2.7	2.1	1.5	1.4	1.0	.6	2.7	2.5	1.0	.8	.9	1.0
261,2,6	Paper and pulp mills .....	1.4	—	.6	—	.5	—	1.9	—	.6	—	.7	—
262	Paper mills, except building paper .....	1.4	—	.6	—	.6	—	1.8	—	.5	—	.7	—

See footnotes at end of table.

# ESTABLISHMENT DATA

## LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>	Jan. 1980	Feb. 1980 <sup>P</sup>
<b>PAPER AND ALLIED PRODUCTS—Continued</b>													
263	Paperboard mills	1.4	-	0.7	-	0.4	-	1.5	-	0.4	-	0.5	-
264	Misc. converted paper products	3.8	-	2.2	-	1.4	-	3.2	-	1.4	-	.9	-
265	Paperboard containers and boxes	3.3	-	2.0	-	1.2	-	3.5	-	1.2	-	1.3	-
2651	Folding paperboard boxes	3.4	-	2.1	-	1.2	-	3.8	-	1.1	-	1.9	-
2653	Corrugated and solid fiber boxes	2.5	-	1.7	-	.7	-	2.7	-	1.1	-	.8	-
27	<b>PRINTING AND PUBLISHING</b>	3.4	3.0	2.8	2.5	.5	0.4	3.3	3.0	1.9	1.8	.8	0.6
271	Newspapers	3.3	-	3.0	-	.1	-	3.3	-	2.4	-	.2	-
272	Periodicals	2.7	-	2.4	-	.2	-	2.7	-	1.8	-	.1	-
273	Books	4.0	-	3.1	-	.9	-	3.2	-	1.7	-	.8	-
274	Miscellaneous publishing	4.6	-	4.1	-	.5	-	2.7	-	1.8	-	.3	-
276	Commercial printing	3.2	-	2.4	-	.7	-	3.4	-	1.4	-	1.2	-
2761	Commercial printing, letterpress	3.2	-	2.3	-	.8	-	3.6	-	1.4	-	1.4	-
2752	Commercial printing, lithographic	3.2	-	2.5	-	.6	-	3.4	-	1.5	-	1.2	-
278	Blankbooks and bookbinding	4.2	-	3.1	-	1.0	-	4.5	-	1.9	-	1.8	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	1.6	1.6	1.2	1.2	.3	.3	1.6	1.5	.7	.6	.3	.4
281	Industrial inorganic chemicals	1.4	-	1.1	-	.2	-	1.3	-	.5	-	.2	-
2819	Industrial inorganic chemicals, nec	1.4	-	1.1	-	.2	-	1.3	-	.5	-	.2	-
282	Plastics materials and synthetics	1.1	-	.7	-	.2	-	1.2	-	.5	-	.2	-
2821	Plastics materials and resins	1.7	-	1.3	-	.3	-	1.5	-	.7	-	.1	-
2824	Organic fibers, noncellulosic	.5	-	.2	-	.1	-	.8	-	.3	-	.1	-
283	Drugs	1.6	-	1.2	-	.1	-	1.5	-	.7	-	.2	-
2834	Pharmaceutical preparations	1.7	-	1.2	-	.1	-	1.6	-	.7	-	.2	-
284	Soap, cleaners, and toilet goods	2.1	-	1.4	-	.5	-	2.3	-	1.0	-	.6	-
2841	Soap and other detergents	1.3	-	.9	-	.3	-	2.0	-	.6	-	.8	-
2844	Toilet preparations	2.6	-	1.5	-	.9	-	2.5	-	1.2	-	.6	-
285	Paints and allied products	2.3	-	1.6	-	.6	-	2.4	-	.9	-	.8	-
286	Industrial organic chemicals	1.1	-	.9	-	.1	-	1.1	-	.5	-	.1	-
287	Agricultural chemicals	3.1	-	2.5	-	.6	-	2.2	-	1.0	-	.6	-
289	Miscellaneous chemical products	2.2	-	1.6	-	.5	-	2.3	-	1.0	-	.6	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	1.9	1.7	1.5	1.3	.2	.3	2.2	1.9	.7	.7	.6	.3
291	Petroleum refining	1.4	-	1.2	-	.1	-	1.4	-	.4	-	.1	-
295	Paving and roofing materials	4.4	-	3.4	-	.8	-	6.6	-	2.0	-	3.5	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	4.8	3.7	3.1	2.4	1.5	1.0	5.4	4.5	2.1	1.8	2.1	1.6
301	Tires and inner tubes	1.6	-	.5	-	.7	-	3.6	-	.4	-	1.9	-
302	Rubber and plastics footwear	11.3	-	6.9	-	3.8	-	10.7	-	4.4	-	4.6	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	2.4	-	1.5	-	.6	-	4.6	-	1.3	-	2.7	-
306	Fabricated rubber products, nec	3.5	-	1.5	-	1.6	-	4.3	-	1.1	-	2.1	-
307	Miscellaneous plastics products	5.7	-	4.0	-	1.5	-	5.9	-	2.7	-	2.0	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	6.9	6.0	4.4	4.0	2.3	1.6	7.1	6.1	3.3	3.0	2.7	2.1
311	Leather tanning and finishing	5.9	-	2.2	-	3.6	-	5.8	-	1.8	-	3.3	-
314	Footwear, except rubber	6.7	-	5.0	-	1.4	-	6.3	-	3.7	-	1.4	-
3143	Men's footwear, except athletic	4.9	-	4.1	-	.5	-	6.0	-	3.5	-	1.6	-
3144	Women's footwear, except athletic	6.5	-	5.2	-	.9	-	5.9	-	3.6	-	.9	-
<b>NONMANUFACTURING:</b>													
<b>MINING</b>													
10	<b>METAL MINING</b>	3.2	2.2	1.5	1.5	.8	.5	3.5	2.3	1.1	.9	1.4	.5
101	Iron ores	3.3	-	.1	-	.4	-	4.9	-	.1	-	2.2	-
102	Copper ores	1.2	-	.9	-	.1	-	1.0	-	.4	-	.1	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b>	2.1	2.5	.7	.3	.5	1.5	2.5	3.1	.6	.2	1.1	1.3
13	<b>OIL AND GAS EXTRACTION</b>	8.4	7.5	6.9	6.3	.9	1.0	6.5	6.6	4.8	4.9	.2	.4
131,2	Crude petroleum, natural gas, and natural gas liquids	2.7	-	1.9	-	.4	-	1.9	-	1.0	-	.1	-
138	Oil and gas field services	12.4	-	10.5	-	1.3	-	9.8	-	7.5	-	.3	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	3.4	2.5	1.9	1.5	1.2	.9	4.9	4.0	1.3	1.4	2.6	2.1
142	Crushed and broken stone	3.4	-	1.8	-	1.4	-	5.1	-	1.5	-	2.9	-
144	Sand and gravel	4.7	-	1.6	-	2.5	-	7.6	-	1.3	-	5.2	-
-	<b>COMMUNICATION:</b>												
481	Telephone communication	.8	-	.6	-	( <sup>1</sup> )	-	.6	-	.3	-	.1	-

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

<sup>P</sup> preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED LABOR TURNOVER**

**D-3. Labor turnover rates in manufacturing, 1970 to date, seasonally adjusted**

[Per 100 employees]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>												
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	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973.....	5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974.....	4.7	4.6	4.5	4.6	4.5	4.3	4.3	4.1	4.0	3.8	3.3	3.1
1975.....	3.0	3.1	3.2	3.7	3.6	3.8	4.1	4.0	3.9	3.8	3.8	3.8
1976.....	4.2	4.1	4.2	4.0	4.0	3.8	3.9	3.8	3.8	3.7	3.8	3.9
1977.....	4.0	4.4	4.1	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.1	4.3
1978.....	4.1	3.9	4.0	4.1	4.0	4.0	4.0	4.0	4.1	4.3	4.4	4.5
1979.....	4.3	4.2	4.0	3.9	4.0	4.0	3.9	3.7	3.8	4.1	3.9	4.0
1980.....	4.1	p3.9										
<b>New hires</b>												
1970.....	3.3	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971.....	2.4	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	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973.....	4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974.....	3.8	3.7	3.6	3.5	3.5	3.3	3.3	3.1	3.0	2.7	2.3	1.9
1975.....	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.4	2.3	2.4	2.5
1976.....	2.6	2.7	2.9	2.8	2.7	2.7	2.7	2.6	2.5	2.4	2.5	2.6
1977.....	2.7	2.8	2.9	2.9	3.0	2.8	2.8	2.8	2.8	2.9	2.9	3.2
1978.....	3.0	2.9	3.0	3.1	3.0	3.0	3.0	3.0	3.1	3.3	3.4	3.5
1979.....	3.3	3.3	3.1	3.0	3.0	3.0	2.8	2.7	2.8	2.9	3.0	3.0
1980.....	2.9	p2.8										
<b>Total separations</b>												
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	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973.....	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974.....	5.1	5.0	4.9	4.7	4.6	4.5	4.5	4.8	4.4	4.8	5.2	4.9
1975.....	5.2	5.1	4.6	4.6	4.6	4.3	4.0	3.9	3.9	3.8	3.8	3.5
1976.....	3.6	3.6	3.8	3.9	3.8	3.9	4.0	3.9	3.9	3.8	3.7	3.7
1977.....	3.9	4.1	3.7	3.7	3.8	3.7	4.0	3.8	3.9	3.8	3.8	3.9
1978.....	3.7	3.9	3.8	4.0	4.0	4.0	3.8	3.9	3.7	3.9	4.0	4.0
1979.....	4.1	4.0	3.9	3.9	4.0	4.1	4.0	4.3	3.9	3.9	4.1	4.0
1980.....	4.2	p4.2										
<b>Quits</b>												
1970.....	2.4	2.5	2.3	2.3	2.1	2.2	2.1	2.0	2.0	1.9	1.8	1.9
1971.....	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972.....	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973.....	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974.....	2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.2	2.0	1.8	1.7
1975.....	1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976.....	1.6	1.7	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.6	1.7
1977.....	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.9	1.9	2.0
1978.....	1.9	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.2
1979.....	2.3	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.9	2.0	2.0	1.9
1980.....	2.0	p1.9										
<b>Layoffs</b>												
1970.....	1.5	1.7	1.8	1.9	1.9	1.9	1.5	1.9	1.9	2.2	2.0	1.7
1971.....	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972.....	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973.....	.9	.8	.9	.8	.9	.9	1.2	1.0	.9	.8	1.0	1.1
1974.....	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.4	1.3	1.8	2.5	2.5
1975.....	2.9	3.0	2.7	2.6	2.5	2.2	1.7	1.6	1.7	1.5	1.5	1.3
1976.....	1.2	1.0	1.2	1.3	1.3	1.3	1.4	1.3	1.4	1.4	1.3	1.2
1977.....	1.3	1.5	1.1	1.1	1.1	1.1	1.3	1.2	1.1	1.1	1.0	1.0
1978.....	.9	1.0	1.0	1.0	1.0	1.0	.8	1.0	.8	.9	.9	.9
1979.....	.9	.9	.9	1.1	1.0	1.1	1.2	1.5	1.2	1.1	1.3	1.2
1980.....	1.3	p1.3										

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		Recalls		Total		Quits		Layoffs	
	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>
<b>ALABAMA:</b>												
Birmingham .....	1.4	2.5	0.6	1.1	0.5	0.9	2.2	3.1	0.6	0.7	1.1	1.4
Mobile .....	4.7	8.9	1.4	1.3	3.2	7.6	5.9	6.8	1.1	.9	4.4	5.3
<b>ALASKA</b> .....	2.7	(*)	.8	(*)	1.7	(*)	6.1	(*)	.9	(*)	5.0	(*)
<b>ARIZONA</b> .....	3.2	4.3	2.8	3.8	.3	.4	3.4	3.8	1.8	2.1	.5	.6
Phoenix .....	3.3	4.4	2.8	3.9	.4	.4	3.3	3.6	1.8	2.1	.4	.3
<b>ARKANSAS</b> .....	3.7	4.8	2.5	3.4	1.0	1.1	5.1	5.0	2.2	2.9	2.2	1.3
Fort Smith .....	2.6	4.1	1.4	2.1	.7	1.6	4.2	4.0	1.4	2.0	2.3	.6
Little Rock--North Little Rock .....	3.9	3.1	2.0	2.3	1.8	.6	6.3	4.1	1.8	2.3	3.4	1.3
Pine Bluff .....	2.3	3.7	2.1	2.9	.2	.6	2.1	4.6	1.1	2.4	.1	1.3
<b>COLORADO</b> .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Denver--Boulder .....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
<b>CONNECTICUT</b> .....	1.8	2.8	1.4	2.0	.3	.6	2.1	2.6	.9	1.2	.6	.7
Hartford .....	1.7	3.5	1.4	2.4	.1	.9	1.7	2.6	.9	1.3	.4	.5
<b>DELAWARE</b> .....	1.2	6.7	.6	.9	.3	5.6	6.4	2.0	.5	.7	5.3	.7
Wilmington .....	1.0	6.7	.4	.5	.3	6.0	6.4	2.0	.3	.5	5.5	.9
<b>FLORIDA</b> .....	3.6	5.8	3.0	4.9	.5	.7	4.0	4.8	2.2	2.9	1.0	.8
Fort Lauderdale--Hollywood .....	3.9	7.0	3.5	6.3	.4	.5	3.9	6.3	2.7	4.1	.5	.8
Jacksonville .....	2.8	4.6	1.6	2.7	1.1	1.9	5.2	6.2	1.6	2.1	2.9	3.2
Miami .....	2.7	6.0	2.4	5.4	.2	.6	3.1	5.1	2.1	3.5	.4	.5
Orlando .....	3.8	4.3	3.2	4.0	.5	.2	2.6	4.3	1.8	2.6	.2	.8
Pensacola .....	.6	1.1	.5	.9	( <sup>1</sup> )	.1	1.0	2.5	.7	1.0	.2	.7
Tampa--St. Petersburg .....	4.6	5.4	3.6	4.5	.9	.8	5.0	4.8	2.6	3.0	1.6	.5
West Palm Beach--Boca Raton .....	2.8	3.3	2.6	3.1	.2	.2	3.0	3.7	2.1	2.1	.2	.8
<b>GEORGIA</b> .....	1.8	3.8	1.3	2.9	.3	.6	2.4	3.9	1.3	2.0	.5	.9
Atlanta <sup>2</sup> .....	1.7	2.8	1.3	1.9	.3	.7	1.9	3.5	.9	1.1	.5	1.6
<b>HAWAII</b> <sup>3</sup> .....	1.9	2.7	1.4	1.9	.3	.3	1.7	2.5	.7	1.3	.5	.5
<b>IDAHO</b> <sup>4</sup> .....	2.5	3.5	1.8	2.1	1.5	1.2	4.8	4.3	1.1	1.5	3.1	2.1
<b>ILLINOIS:</b>												
Chicago SMSA .....	1.9	3.1	1.4	2.3	.3	.6	2.5	3.5	1.0	1.6	.8	.8
Davenport--Rock Island--Moline .....	1.1	3.6	.6	1.6	.3	1.6	1.9	2.2	.4	1.0	.8	.4
Decatur .....	1.3	2.6	.5	.6	.2	1.6	1.8	3.7	( <sup>1</sup> )	1.8	1.5	.9
Peoria .....	1.0	3.4	.5	1.3	.4	2.0	4.4	2.1	.2	.4	3.7	1.3
Rockford .....	1.4	2.3	1.2	1.7	.1	.3	2.6	3.2	.8	1.2	.5	1.1
<b>INDIANA</b> <sup>5</sup> .....	2.0	2.9	.6	1.0	.8	1.4	3.4	3.8	.5	.8	2.3	2.3
Indianapolis <sup>6</sup> .....	1.9	2.4	.7	1.3	.8	.6	2.5	2.6	.7	.8	.9	.8
<b>IOWA</b> .....	2.1	(*)	1.2	(*)	.7	(*)	4.2	(*)	.9	(*)	2.9	(*)
Cedar Rapids .....	1.7	(*)	.7	(*)	.8	(*)	2.0	(*)	.6	(*)	1.1	(*)
Des Moines .....	1.9	(*)	1.0	(*)	.2	(*)	2.4	(*)	.7	(*)	.6	(*)
<b>KANSAS</b> .....	2.6	4.2	2.1	3.3	.4	.7	3.0	4.3	1.6	2.4	.7	.8
Topeka .....	4.3	2.6	3.0	1.9	1.2	.7	3.2	3.4	.9	1.2	1.6	1.4
Wichita .....	2.0	4.8	1.8	4.1	.1	.5	2.4	3.7	1.4	2.6	.1	.1
<b>KENTUCKY</b> .....	2.4	3.8	1.3	2.0	.9	1.3	2.5	4.6	.7	1.3	1.3	2.3
Lexington--Fayette .....	1.8	2.2	1.0	1.4	.4	.2	3.1	2.4	.9	1.0	1.4	.7
Louisville .....	1.6	2.0	.6	.9	.5	.2	1.6	2.5	.4	.6	.4	.7
<b>LOUISIANA:</b>												
New Orleans .....	2.2	4.6	1.9	3.5	.2	.6	3.6	4.9	2.0	2.7	.7	1.0
<b>MAINE</b> .....	3.1	4.5	2.3	3.3	.6	.9	4.1	5.0	1.5	2.0	1.7	2.1
Portland .....	2.0	4.3	1.7	3.5	.1	.3	2.8	4.0	1.7	2.0	.6	1.3
<b>MARYLAND</b> .....	1.7	2.7	1.0	1.4	.6	1.1	3.7	3.2	.6	1.0	2.5	1.5
Baltimore .....	1.4	2.5	.9	1.2	.5	1.1	3.8	2.8	.4	.7	2.8	1.4
<b>MASSACHUSETTS</b> .....	2.8	(*)	2.2	(*)	.4	(*)	3.2	(*)	1.2	(*)	1.4	(*)
Boston .....	2.0	(*)	1.5	(*)	.3	(*)	3.4	(*)	1.0	(*)	1.8	(*)

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		Recalls		Total		Quits		Layoffs	
	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>	Dec. 1979	Jan. 1980 <sup>P</sup>
<b>MICHIGAN</b> .....	1.4	2.9	0.4	0.6	0.7	1.9	3.5	5.2	0.4	0.6	2.6	3.7
Detroit .....	.9	1.7	.2	.4	.5	1.0	2.4	4.3	.3	.5	1.8	3.2
Flint .....	.9	2.5	.1	.1	.5	.9	5.9	6.7	.1	.2	5.3	5.4
Grand Rapids .....	2.0	1.7	.7	.8	1.1	4	4.1	3.7	.7	.8	2.9	2.1
Lansing—East Lansing .....	.7	.9	.1	( <sup>1</sup> )	.5	.7	.9	4.9	.1	.2	.4	4.0
<b>MINNESOTA</b> .....	2.2	3.5	1.7	2.3	.4	1.0	4.0	3.4	1.5	1.8	2.0	1.0
Minneapolis—St. Paul .....	2.0	3.5	1.6	2.3	.3	1.1	3.1	2.8	1.5	1.8	1.2	.4
<b>MISSISSIPPI:</b>												
Jackson .....	1.7	3.8	1.4	3.1	.2	.5	2.8	4.5	1.5	2.1	.8	1.5
<b>MISSOURI</b> .....	1.9	3.3	1.2	2.0	.5	1.1	2.7	4.0	1.0	1.4	1.1	1.9
Kansas City .....	2.1	3.0	1.5	2.2	.5	.7	2.5	3.4	1.1	1.4	.8	1.1
St. Louis .....	1.3	2.3	.8	1.3	.4	.8	2.3	3.7	.6	.9	1.2	2.1
<b>MONTANA</b> .....	1.9	(*)	.8	(*)	.3	(*)	2.8	(*)	.8	(*)	1.5	(*)
<b>NEBRASKA</b> .....	2.1	3.3	1.8	2.8	.2	.4	2.8	3.3	1.7	2.0	.6	.7
<b>NEVADA</b> .....	4.0	(*)	3.8	(*)	( <sup>1</sup> )	(*)	5.5	(*)	3.2	(*)	1.1	(*)
<b>NEW HAMPSHIRE</b> .....	3.8	(*)	2.7	(*)	1.0	(*)	5.4	(*)	2.0	(*)	2.8	(*)
<b>NEW JERSEY:</b>												
Camden .....	2.1	2.9	1.3	2.0	.5	.8	3.2	2.6	.7	.9	1.8	.7
Hackensack .....	2.7	5.1	2.0	3.2	.6	1.8	4.2	5.2	1.5	1.9	2.0	2.1
Jersey City .....	2.0	3.4	1.0	2.1	.9	1.2	3.8	5.3	.8	1.3	2.6	3.2
Newark .....	2.1	3.1	1.4	2.2	.2	.5	2.5	4.3	.8	1.3	1.0	1.8
New Brunswick—Perth Amboy—Sayreville .....	1.4	4.6	1.1	2.2	.2	2.3	3.5	2.7	.8	1.2	2.1	.8
Paterson—Clifton—Passaic .....	2.0	5.5	1.7	3.4	.2	1.9	4.7	3.9	1.2	1.5	2.8	1.5
Trenton .....	2.0	3.9	1.2	2.1	.6	1.4	2.8	4.1	.7	1.0	1.6	2.2
<b>NEW YORK</b> .....	2.2	4.1	1.2	2.0	.8	1.8	4.1	4.4	.8	1.2	2.7	2.4
Albany—Schenectady—Troy .....	2.1	3.3	.8	1.3	.8	1.4	3.0	3.7	.5	.6	1.5	1.9
Binghamton .....	2.8	1.9	.9	1.5	1.8	.2	1.5	2.1	.8	.9	.2	.4
Buffalo .....	1.2	5.3	.5	.9	.5	4.2	3.0	6.6	.3	.6	2.2	5.3
Elmira .....	1.2	2.3	.7	1.2	.1	.7	2.1	2.4	.4	.6	.8	.9
Monroe County <sup>8</sup> .....	1.1	1.7	.8	1.1	.1	.3	1.5	2.4	.4	.8	.7	1.0
Nassau—Suffolk <sup>9</sup> .....	2.4	4.8	1.9	3.9	.4	.8	3.4	4.8	1.5	2.5	1.2	1.3
New York and Nassau—Suffolk .....	2.6	4.9	1.6	2.9	.9	1.9	5.6	5.1	1.1	1.6	3.6	2.6
New York SMSA <sup>9</sup> .....	2.7	5.0	1.5	2.6	1.1	2.2	6.1	5.2	1.0	1.4	4.3	2.9
New York City <sup>10</sup> .....	2.8	5.5	1.6	2.7	1.2	2.6	6.8	5.8	1.0	1.5	4.8	3.3
Rochester .....	1.4	2.1	.9	1.3	.3	.6	2.3	2.8	.5	.9	1.3	1.3
Syracuse .....	1.5	3.0	.8	1.2	.5	1.4	2.8	2.9	.6	.9	1.4	1.1
Utica—Rome .....	1.4	2.6	.9	1.8	.3	.7	2.1	2.7	.7	1.0	.9	.8
Westchester County <sup>10</sup> .....	1.8	2.2	1.4	1.7	.3	.3	2.3	2.5	.8	.9	1.0	.9
<b>NORTH CAROLINA</b> .....	2.1	4.3	1.6	3.5	.3	.5	2.6	4.2	1.5	2.6	.5	.7
Charlotte—Gastonia .....	2.9	6.0	2.5	5.2	.3	.5	3.3	5.8	2.2	4.1	.2	.5
Greensboro—Winston-Salem—High Point .....	1.9	3.8	1.5	3.3	.1	.3	2.2	4.0	1.3	2.3	.3	.7
<b>NORTH DAKOTA</b> .....	3.5	(*)	2.8	(*)	(*)	(*)	8.3	(*)	2.7	(*)	5.2	(*)
Fargo—Moorhead .....	2.7	(*)	2.2	(*)	.2	(*)	8.1	(*)	2.1	(*)	5.6	(*)
<b>OHIO</b> .....	1.4	2.5	.7	1.0	(*)	(*)	2.5	3.3	.4	.7	1.5	1.9
Akron .....	.9	1.6	.4	.8	(*)	(*)	1.7	2.4	.4	.6	.9	1.4
Canton .....	2.0	2.5	.8	.9	(*)	(*)	2.1	2.9	.4	.5	.9	1.7
Cincinnati .....	1.6	2.2	.8	1.2	(*)	(*)	1.7	4.0	.4	.8	.6	2.3
Cleveland .....	1.5	2.7	1.0	1.3	(*)	(*)	2.5	3.1	.6	.9	1.3	1.2
Columbus .....	1.2	2.9	.7	1.4	(*)	(*)	1.6	2.3	.5	.8	.7	.8
Dayton .....	.8	1.4	.6	1.0	(*)	(*)	2.1	3.3	.4	.7	1.0	1.7
Toledo .....	1.4	1.9	.4	.8	(*)	(*)	3.2	2.8	.3	.5	2.3	1.3
Youngstown—Warren .....	1.9	1.9	.3	.6	(*)	(*)	3.0	4.5	.2	.4	2.2	3.2
<b>OKLAHOMA</b> .....	3.2	5.5	2.8	4.9	.4	.4	3.9	5.1	2.7	3.4	.5	.7
Oklahoma City .....	3.2	4.8	2.6	4.2	.5	.6	3.8	4.8	2.6	3.0	.6	.6
Tulsa <sup>11</sup> .....	3.3	5.5	3.0	5.2	.3	.2	4.0	5.4	2.6	3.1	.4	.6
<b>OREGON</b> <sup>5</sup> .....	2.3	3.3	1.6	2.1	.5	1.0	4.4	3.7	1.3	1.4	2.5	1.7
Eugene—Springfield <sup>5</sup> .....	1.6	2.9	1.1	1.5	.3	.8	3.6	4.0	.9	1.0	2.0	1.9
Portland <sup>5</sup> .....	2.9	4.2	2.1	2.7	.6	1.4	3.6	3.6	1.4	1.6	1.4	1.3

See footnotes at end of table.

# ESTABLISHMENT DATA

## STATE AND AREA LABOR TURNOVER

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

[ Per 100 employees ]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Dec. 1979	Jan. 1980 <sup>p</sup>	Dec. 1979	Jan. 1980 <sup>p</sup>	Dec. 1979	Jan. 1980 <sup>p</sup>	Dec. 1979	Jan. 1980 <sup>p</sup>	Dec. 1979	Jan. 1980 <sup>p</sup>	Dec. 1979	Jan. 1980 <sup>p</sup>
<b>PENNSYLVANIA</b> .....	1.9	3.2	0.9	1.5	0.9	1.4	3.1	3.4	0.6	0.9	2.0	1.7
Allentown—Bethlehem—Easton .....	1.4	2.7	.8	1.4	.4	1.1	3.1	2.3	.5	.8	2.1	1.0
Altoona .....	1.3	2.8	.6	1.8	.6	.9	1.9	2.1	.7	1.1	.9	.6
Erie .....	1.4	2.3	.6	1.0	.4	.8	2.6	2.9	.5	.7	1.5	1.1
Harrisburg .....	2.1	3.3	1.2	2.5	.5	.5	3.5	3.0	1.1	1.4	1.7	.9
Johnstown .....	1.5	2.1	.5	.3	1.0	1.7	1.9	4.2	.4	.4	1.2	3.0
Lancaster .....	1.8	2.9	1.5	2.2	.2	.5	2.5	2.6	1.2	1.4	.8	.6
Northeast Pennsylvania .....	2.7	5.2	.9	1.9	1.6	3.1	5.6	3.8	.5	1.1	4.5	2.2
Philadelphia SMSA .....	1.7	3.3	1.0	1.8	.6	1.4	2.7	3.3	.7	1.0	1.5	1.3
Pittsburgh .....	2.1	2.8	.5	.6	1.3	1.7	4.0	3.1	.3	.4	3.3	1.8
Reading .....	2.1	2.5	1.2	1.5	.7	.8	2.4	3.2	.8	1.3	1.1	1.4
Scranton <sup>12</sup> .....	2.1	3.4	.8	1.7	1.3	2.3	4.5	4.2	.5	1.2	3.6	2.7
Wilkes-Barre—Hazleton <sup>12</sup> .....	2.3	5.7	.7	1.5	1.4	3.7	5.5	3.5	.5	.9	4.6	2.0
Williamsport .....	1.1	1.4	.4	.6	.7	.7	1.3	1.7	.3	.4	.7	1.0
York .....	2.1	3.1	1.6	2.3	.4	.7	3.0	4.7	1.1	1.8	1.3	2.4
<b>RHODE ISLAND</b> .....	2.7	5.4	2.0	3.2	.5	1.9	5.0	6.1	1.5	2.2	2.7	2.9
Providence—Warwick—Pawtucket .....	2.7	5.0	2.0	3.0	.5	1.8	4.9	5.9	1.6	2.1	2.7	2.8
<b>SOUTH CAROLINA</b> .....	2.0	3.9	1.7	3.2	.1	.3	2.7	3.7	1.4	2.1	.6	.6
Charleston—North Charleston .....	1.6	4.9	1.4	4.4	.1	.4	2.3	4.0	1.3	2.3	.4	.6
Columbia .....	2.1	4.0	1.9	3.6	.1	.2	2.8	3.4	1.3	2.1	1.0	.6
Greenville—Spartanburg .....	2.4	3.9	2.2	3.6	.1	.1	2.9	3.8	1.7	2.5	.2	.2
<b>SOUTH DAKOTA</b> .....	3.2	2.5	2.7	2.1	.3	.3	3.3	3.5	1.7	1.6	1.0	1.2
Sioux Falls .....	3.0	2.8	2.2	2.0	.8	.9	1.9	3.8	1.1	1.4	.5	1.8
<b>TENNESSEE:</b>												
Memphis .....	1.7	2.8	1.0	1.6	.5	1.0	4.2	2.8	1.0	1.0	2.6	1.1
<b>TEXAS:</b>												
Dallas—Fort Worth .....	3.2	5.2	2.8	4.6	.2	.4	3.9	4.9	2.3	3.3	.8	.6
Houston .....	2.5	4.5	2.4	4.2	.1	.2	2.9	3.7	2.0	2.5	.2	.2
San Antonio .....	3.0	5.0	2.8	4.7	.1	.3	3.0	4.7	2.3	3.5	.2	.2
<b>UTAH</b> <sup>4</sup> .....	3.4	5.3	3.0	4.5	.2	.3	4.1	4.9	2.6	2.8	.6	.7
Salt Lake City—Ogden <sup>4</sup> .....	3.2	5.4	3.1	4.9	.1	.3	3.9	4.9	2.6	3.0	.7	.5
<b>VERMONT</b> .....	2.5	4.8	1.7	2.4	.6	2.2	3.9	3.2	1.0	1.5	2.4	1.1
Burlington .....	1.3	1.7	1.1	1.3	( <sup>1</sup> )	.1	2.1	2.3	.6	.8	1.1	.9
Springfield .....	2.3	4.0	1.2	2.9	1.1	1.1	2.2	2.8	.6	1.4	.8	.8
<b>VIRGINIA</b> .....	1.9	2.9	1.1	1.8	.5	.8	3.3	2.6	.9	1.2	1.8	.6
Richmond .....	1.5	1.5	1.1	1.1	.1	( <sup>1</sup> )	1.2	1.4	.5	.6	.1	.2
<b>WASHINGTON:</b>												
Seattle—Everett <sup>13</sup> .....	1.8	3.1	1.2	2.2	.4	.8	3.3	3.3	1.0	1.2	1.8	1.4
<b>WISCONSIN</b> .....	1.8	3.0	1.1	1.5	.4	1.0	2.8	4.0	.6	1.1	1.6	1.8
Milwaukee .....	1.8	3.2	1.1	1.5	.3	.9	2.9	4.3	.6	1.0	1.5	1.8
<b>WYOMING</b> .....	4.4	8.8	4.1	6.5	.3	1.5	6.8	16.6	2.7	4.9	2.5	10.3

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

<sup>2</sup> Excludes agricultural chemicals, and miscellaneous manufacturing.

<sup>3</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.

<sup>4</sup> Excludes canning and preserving, and sugar.

<sup>5</sup> Excludes canning and preserving.

<sup>6</sup> Excludes canning and preserving, and newspapers.

<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>9</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>11</sup> Excludes new-hire rate for transportation equipment.

<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

<sup>13</sup> Excludes canning and preserving, printing and publishing.

<sup>p</sup>=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		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>ALABAMA</b> .....	1,593.4	1,608.1	1,615.6	112.8	126.2	125.4	7.1	7.9	7.8
Birmingham .....	367.7	375.9	377.2	22.9	25.9	25.7	6.2	6.9	6.8
Huntsville .....	131.4	135.1	135.8	9.0	10.5	11.2	6.9	7.8	8.2
Mobile .....	174.4	177.4	177.7	12.7	13.3	12.8	7.3	7.5	7.2
Montgomery .....	115.1	118.4	118.7	6.7	7.3	7.2	5.8	6.2	6.1
Tuscaloosa .....	51.5	52.0	52.1	3.6	3.9	3.4	6.9	7.5	6.5
<b>ALASKA</b> .....	171.3	168.2	175.7	19.5	17.0	20.1	11.3	10.1	11.4
<b>ARIZONA</b> .....	1,044.0	1,091.4	1,091.1	54.4	63.7	61.1	5.2	5.8	5.6
Phoenix .....	637.5	669.8	667.8	28.2	34.7	32.8	4.4	5.2	4.9
Tucson .....	187.8	196.3	197.9	8.5	9.5	9.3	4.5	4.9	4.7
<b>ARKANSAS</b> .....	913.9	906.6	922.1	71.9	64.6	64.1	7.9	7.1	6.9
Fayetteville-Springdale .....	72.4	73.6	74.3	4.5	4.0	3.9	6.2	5.5	5.2
Fort Smith <sup>1</sup> .....	81.6	79.6	79.7	7.5	6.4	5.8	9.1	8.1	7.3
Little Rock-North Little Rock .....	176.6	178.3	179.6	8.8	8.0	7.8	5.0	4.5	4.3
Pine Bluff .....	36.6	36.0	36.5	2.7	2.1	2.1	7.3	5.8	5.7
<b>CALIFORNIA</b> <sup>2</sup> .....	10,859.3	11,064.7	11,024.6	764.2	726.5	741.5	7.0	6.6	6.7
Anaheim-Santa Ana-Garden Grove .....	1,039.6	1,073.7	1,074.3	43.1	44.9	47.2	4.1	4.2	4.4
Bakersfield .....	171.0	176.6	176.1	16.9	14.1	16.3	9.9	8.0	9.3
Fresno .....	246.5	258.3	254.7	24.6	22.7	26.0	10.0	8.8	10.2
Los Angeles-Long Beach <sup>2</sup> .....	3,554.0	3,599.0	3,579.0	221.0	218.0	200.0	6.2	6.1	5.6
Modesto .....	128.0	126.7	127.9	20.2	15.4	19.5	15.8	12.1	15.2
Oxnard-Simi Valley-Ventura .....	217.3	220.7	224.7	16.9	15.7	16.6	7.8	7.1	7.4
Riverside-San Bernardino-Ontario .....	564.5	580.1	579.6	36.4	36.7	39.6	6.4	6.3	6.8
Sacramento .....	451.1	463.0	461.0	37.9	33.6	35.4	8.4	7.3	7.7
Salinas-Seaside-Monterey .....	121.0	121.7	123.5	15.1	13.7	16.0	12.5	11.3	13.0
San Diego .....	716.9	739.1	734.1	46.1	45.5	46.7	6.4	6.2	6.4
San Francisco-Oakland .....	1,583.9	1,593.1	1,578.2	91.3	85.2	85.4	5.8	5.3	5.4
San Jose .....	688.5	720.1	717.7	39.8	38.8	39.7	5.8	5.4	5.5
Santa Barbara-Santa Maria-Lompoc .....	143.0	145.1	144.2	9.9	9.0	9.4	6.9	6.2	6.5
Santa Rosa .....	123.9	127.4	128.2	9.6	8.9	10.0	7.8	7.0	7.8
Stockton .....	152.6	153.7	153.8	20.4	17.8	20.6	13.3	11.6	13.4
Vallejo-Fairfield-Napa .....	120.2	123.2	123.1	8.6	8.6	9.4	7.2	7.0	7.6
<b>COLORADO</b> .....	1,327.4	1,411.1	1,407.5	67.9	67.9	61.7	5.1	4.8	4.4
Denver-Boulder .....	720.7	844.5	841.6	35.1	37.2	33.4	4.4	4.4	4.0
<b>CONNECTICUT</b> .....	1,542.8	1,581.5	1,573.2	87.3	94.1	85.9	5.7	6.0	5.5
Bridgeport .....	N.A.	192.5	190.2	N.A.	12.5	10.4	N.A.	6.5	5.5
Hartford .....	N.A.	379.0	379.9	N.A.	18.6	18.0	N.A.	4.9	4.8
New Britain .....	N.A.	74.0	73.8	N.A.	4.3	4.1	N.A.	5.9	5.5
New Haven-West Haven .....	N.A.	202.9	202.1	N.A.	12.4	12.6	N.A.	6.1	6.2
Stamford .....	N.A.	120.2	120.2	N.A.	4.7	5.0	N.A.	4.0	4.2
Waterbury .....	N.A.	111.5	107.7	N.A.	9.3	7.0	N.A.	8.4	6.5
<b>DELAWARE</b> .....	269.7	281.1	280.9	26.0	26.2	22.6	9.7	9.3	8.1
Wilmington <sup>1</sup> .....	242.1	N.A.	N.A.	20.7	N.A.	N.A.	8.6	N.A.	N.A.
<b>DISTRICT OF COLUMBIA</b> .....	316.8	311.8	312.3	24.7	20.2	20.2	7.8	6.5	6.5
Washington SMSA <sup>1</sup> .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>FLORIDA</b> <sup>2</sup> .....	3,805.0	3,756.5	3,824.6	222.3	212.5	194.1	5.8	5.7	5.1
Fort Lauderdale-Hollywood .....	406.1	397.2	404.8	22.4	19.8	18.0	5.5	5.0	4.5
Jacksonville .....	293.4	285.4	291.0	16.8	15.7	15.0	5.7	5.5	5.1
Miami .....	694.3	707.4	710.1	41.1	38.2	34.4	5.9	5.4	4.8
Orlando .....	299.1	303.3	308.6	16.6	15.9	14.7	5.5	5.3	4.8
Pensacola .....	105.4	103.0	104.9	6.0	5.9	5.4	5.7	5.7	5.2
Tampa-St. Petersburg .....	579.9	573.3	585.1	31.7	31.8	28.5	5.5	5.6	4.9
West Palm Beach-Boca Raton .....	225.0	222.9	227.7	12.8	11.6	10.5	5.7	5.2	4.6
<b>GEORGIA</b> .....	2,296.8	2,316.4	2,343.0	120.8	119.6	122.1	5.3	5.2	5.2
Albany .....	47.7	49.3	49.7	2.5	2.8	3.0	5.3	5.8	6.0
Atlanta .....	924.3	937.5	945.6	46.2	44.6	44.4	5.0	4.8	4.7
Augusta .....	119.7	120.4	120.5	6.5	6.5	6.9	5.4	5.4	5.8
Columbus <sup>1</sup> .....	84.3	84.2	84.6	5.8	5.6	5.8	6.9	6.6	6.9
Macon .....	96.9	95.6	96.2	5.9	4.6	5.1	6.1	4.8	5.3
Savannah .....	87.1	85.2	85.5	5.0	4.5	4.7	5.7	5.2	5.5

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		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>HAWAII</b> .....	397.7	406.5	406.9	25.5	21.9	18.6	6.4	5.4	4.6
Honolulu .....	313.1	320.0	320.1	19.3	16.3	13.9	6.2	5.1	4.4
<b>IDAHO</b> .....	403.2	412.7	415.0	31.8	32.6	30.8	7.9	7.9	7.4
Boise City .....	57.7	89.0	89.5	4.9	5.2	5.1	5.6	5.8	5.7
<b>ILLINOIS</b> <sup>2</sup> .....	5,214.2	5,428.0	5,400.2	295.3	425.9	407.0	5.7	7.8	7.5
Bloomington—Normal .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Champaign—Urbana—Rantoul .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Chicago .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Davenport—Rock Island—Moline <sup>1</sup> .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Decatur .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Peoria .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Rockford .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Springfield .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>INDIANA</b> <sup>3</sup> .....	2,556.3	2,603.7	2,606.8	167.3	242.2	245.1	6.5	9.3	9.4
Anderson .....	60.1	60.7	61.0	4.8	9.8	10.7	8.0	16.1	17.5
Evansville <sup>1</sup> .....	141.4	N.A.	N.A.	7.8	N.A.	N.A.	5.5	N.A.	N.A.
Fort Wayne .....	190.9	194.5	194.1	9.3	16.5	18.0	4.9	8.5	9.3
Gary—Hammond—East Chicago .....	288.4	302.4	302.1	16.3	31.9	30.0	5.6	10.6	9.9
Indianapolis .....	574.7	594.7	593.7	30.7	42.7	41.0	5.3	7.2	6.9
Lafayette—West Lafayette .....	62.4	59.6	62.8	3.1	4.3	4.1	4.9	7.1	6.6
Muncie .....	55.4	57.1	57.8	4.1	6.2	6.3	7.4	10.8	10.9
South Bend .....	140.1	142.8	143.9	7.8	12.1	13.0	5.5	8.5	9.0
Terre Haute .....	82.4	83.2	83.5	5.7	6.9	7.6	6.9	8.3	9.1
<b>IOWA</b> <sup>3</sup> .....	1,377.2	1,417.8	1,422.4	75.4	95.1	88.7	5.5	6.7	6.2
Cedar Rapids .....	N.A.	90.5	90.7	N.A.	5.2	5.2	N.A.	5.7	5.7
Des Moines .....	181.9	189.1	186.8	9.0	11.8	10.3	5.0	6.3	5.5
Dubuque .....	45.2	47.7	46.7	3.1	4.7	3.6	6.9	9.8	7.7
Sioux City <sup>1</sup> .....	55.4	54.7	54.8	4.8	4.3	4.0	8.7	7.9	7.3
Waterloo—Cedar Falls .....	68.1	71.6	72.2	4.1	3.9	4.1	6.0	5.4	5.7
<b>KANSAS</b> .....	1,157.2	1,183.2	1,189.6	43.1	44.5	45.1	3.7	3.8	3.8
Topeka .....	96.3	96.8	96.9	4.6	5.1	5.1	4.8	5.3	5.3
Wichita .....	221.5	230.2	229.9	7.7	7.5	7.5	3.5	3.3	3.3
<b>KENTUCKY</b> <sup>3</sup> .....	1,522.4	1,609.4	1,589.7	104.5	119.5	122.0	6.9	7.4	7.7
Lexington—Fayette .....	160.1	172.8	171.2	5.7	8.0	7.8	3.6	4.6	4.5
Louisville <sup>1</sup> .....	405.5	426.0	420.9	24.0	29.5	31.0	5.9	6.9	7.4
Owensboro .....	37.1	39.9	39.7	2.5	3.1	2.9	6.8	7.7	7.3
<b>LOUISIANA</b> .....	1,643.0	1,711.1	1,715.7	114.1	144.9	137.2	6.9	8.5	8.0
Alexandria .....	65.8	67.7	68.9	5.8	7.5	7.9	9.0	11.1	11.4
Baton Rouge .....	204.4	207.2	207.6	13.8	16.5	14.4	6.8	8.0	6.9
Lafayette .....	70.0	76.1	76.0	3.4	4.2	3.5	4.8	5.6	4.6
Lake Charles .....	68.5	72.2	72.8	5.0	5.5	6.1	7.2	7.6	8.3
Monroe .....	53.2	54.4	54.2	4.2	5.6	5.4	7.9	10.4	10.0
New Orleans .....	469.1	484.2	482.5	27.3	34.8	31.7	5.8	7.2	6.6
Shreveport .....	149.3	154.2	155.3	9.1	11.9	12.3	6.1	7.7	7.9
<b>MAINE</b> .....	466.6	482.4	482.7	36.1	42.1	38.5	7.7	8.7	8.0
Lewiston—Auburn .....	37.2	39.5	38.7	2.6	3.4	2.5	6.9	8.6	6.4
Portland .....	84.9	90.0	90.1	4.9	5.4	4.9	5.8	6.1	5.4
<b>MARYLAND</b> .....	2,042.4	N.A.	N.A.	141.0	N.A.	N.A.	6.9	N.A.	N.A.
Baltimore .....	1,047.4	N.A.	N.A.	76.2	N.A.	N.A.	7.3	N.A.	N.A.
<b>MASSACHUSETTS</b> <sup>2</sup> .....	2,915.1	2,829.6	2,825.4	192.9	181.5	161.0	6.6	6.4	5.7
Boston .....	1,423.6	N.A.	N.A.	87.6	N.A.	N.A.	6.2	N.A.	N.A.
Brockton .....	80.8	N.A.	N.A.	5.8	N.A.	N.A.	7.2	N.A.	N.A.
Fall River <sup>1</sup> .....	77.4	N.A.	N.A.	6.9	N.A.	N.A.	8.9	N.A.	N.A.
Lawrence—Maverhill <sup>1</sup> .....	140.2	N.A.	N.A.	10.1	N.A.	N.A.	7.2	N.A.	N.A.
Lowell .....	118.2	N.A.	N.A.	7.0	N.A.	N.A.	5.9	N.A.	N.A.
New Bedford .....	82.9	N.A.	N.A.	8.2	N.A.	N.A.	9.9	N.A.	N.A.
Springfield—Chicopee—Holyoke .....	278.9	N.A.	N.A.	15.6	N.A.	N.A.	5.6	N.A.	N.A.
Worcester .....	200.8	N.A.	N.A.	10.9	N.A.	N.A.	5.4	N.A.	N.A.
<b>MICHIGAN</b> <sup>3</sup> .....	4,280.3	4,265.7	4,287.0	350.9	438.5	480.7	8.2	10.3	11.2
Ann Arbor .....	142.7	139.8	143.1	7.9	9.3	10.9	5.6	6.6	7.6

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment						
				Number			Percent of labor force			
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	
<b>MICHIGAN—Continued</b>										
Battle Creek .....	79.8	79.1	79.2	6.0	6.8	8.1	7.5	8.6	10.2	
Bay City .....	50.3	51.7	51.9	4.2	6.1	6.8	8.3	11.7	13.2	
Detroit .....	2,038.9	2,024.4	2,042.1	158.9	214.1	246.0	7.8	10.6	12.0	
Flint .....	221.4	224.5	224.1	18.8	29.6	30.2	8.5	13.2	13.5	
Grand Rapids .....	304.9	304.0	305.8	18.2	19.5	20.5	6.0	6.4	6.7	
Jackson .....	67.3	67.3	66.5	4.9	6.0	6.2	7.3	9.0	9.4	
Kalamazoo—Portage .....	132.6	133.1	134.3	9.2	8.6	9.5	6.9	6.5	7.0	
Lansing—East Lansing .....	232.7	236.9	237.4	15.0	20.5	20.9	6.5	8.7	8.8	
Muskegon—Norton Shores—Muskegon Heights .....	75.6	75.5	76.0	7.9	8.1	8.3	10.4	10.7	10.9	
Saginaw .....	102.4	102.9	103.0	7.4	11.4	12.6	7.2	11.1	12.2	
<b>MINNESOTA</b> .....	1,983.5	2,057.0	2,078.8	96.6	122.9	126.2	4.9	6.0	6.1	
Duluth—Superior <sup>1</sup> .....	112.6	117.9	118.3	7.6	9.2	9.6	6.7	7.8	8.1	
Minneapolis—St. Paul .....	1,072.6	1,109.1	1,117.6	36.4	47.2	46.4	3.4	4.3	4.2	
<b>MISSISSIPPI</b> .....	962.0	978.5	988.3	65.3	66.5	68.9	6.8	6.8	7.0	
Jackson .....	140.6	147.2	147.9	5.7	6.4	6.2	4.1	4.3	4.2	
<b>MISSOURI</b> .....	2,236.0	2,228.6	2,243.5	126.2	143.9	151.4	5.6	6.5	6.7	
Kansas City <sup>1</sup> .....	N.A.	677.0	676.9	N.A.	35.3	36.3	N.A.	5.2	5.4	
St. Joseph .....	N.A.	43.5	43.7	N.A.	3.2	3.3	N.A.	7.5	7.5	
St. Louis <sup>1</sup> .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Springfield .....	N.A.	100.8	101.2	N.A.	5.3	5.4	N.A.	5.2	5.4	
<b>MONTANA</b> .....	347.9	348.8	353.5	24.7	26.4	24.8	7.1	7.6	7.0	
Billings .....	52.8	55.0	56.1	2.7	3.1	3.1	5.1	5.6	5.5	
Great Falls .....	33.1	32.2	31.7	2.7	2.7	2.4	8.1	8.3	7.5	
<b>NEBRASKA</b> .....	718.4	745.3	752.5	26.0	32.3	29.6	3.5	4.3	3.9	
Lincoln .....	108.5	109.1	109.8	3.0	4.1	3.6	2.8	3.7	3.3	
Omaha <sup>1</sup> .....	N.A.	273.2	275.3	N.A.	15.4	14.4	N.A.	5.6	5.2	
<b>NEVADA</b> .....	343.3	364.1	366.3	17.4	22.1	20.8	5.1	6.1	5.7	
Las Vegas .....	189.5	201.6	202.4	10.0	12.7	12.0	5.3	6.3	5.9	
Reno .....	99.7	106.3	107.5	3.9	5.7	5.3	3.9	5.4	4.9	
<b>NEW HAMPSHIRE</b> .....	428.5	439.9	N.A.	14.2	15.4	N.A.	3.3	3.5	N.A.	
Manchester .....	76.9	78.3	N.A.	2.7	2.7	N.A.	3.5	3.5	N.A.	
Nashua .....	67.5	71.6	N.A.	2.0	2.2	N.A.	2.9	3.1	N.A.	
<b>NEW JERSEY</b> .....	3,540.2	3,570.4	3,543.7	295.4	258.1	221.2	8.3	7.2	6.2	
Atlantic City .....	95.5	97.8	97.1	10.5	10.6	10.0	12.3	10.8	10.3	
Jersey City .....	256.5	250.6	248.6	31.5	26.0	21.2	12.3	10.4	8.5	
Long Branch—Asbury Park .....	224.1	225.5	222.7	21.1	18.8	14.8	9.4	8.3	6.6	
Newark .....	964.5	971.3	965.7	71.4	65.3	56.5	7.4	6.7	5.8	
New Brunswick—Perth Amboy—Sayreville .....	324.4	332.6	328.2	21.8	19.6	16.5	6.7	5.9	5.0	
Paterson—Clifton—Passaic .....	222.7	223.5	220.6	22.3	19.4	17.0	10.0	8.7	7.7	
Trenton .....	162.2	165.5	165.1	10.7	10.7	9.4	6.6	6.4	5.7	
Vineland—Millville—Bridgeton .....	61.7	62.1	62.1	7.6	6.6	6.4	12.3	10.5	10.2	
<b>NEW MEXICO</b> .....	519.3	541.4	540.5	35.4	45.9	41.1	6.8	8.5	7.6	
Albuquerque .....	196.8	205.7	205.4	12.4	17.3	14.5	6.3	8.4	7.1	
<b>NEW YORK<sup>2</sup></b> .....	7,944.6	8,048.7	8,120.1	585.1	673.2	658.2	7.4	8.4	8.1	
Albany—Schenectady—Troy .....	377.3	384.4	386.9	22.5	26.2	24.2	6.0	6.8	6.3	
Binghamton <sup>1</sup> .....	139.4	140.9	141.8	8.3	8.8	8.8	6.0	6.2	6.2	
Buffalo .....	574.3	598.7	598.6	43.7	63.8	58.2	7.6	10.7	9.7	
Elmira .....	40.4	41.1	41.2	2.8	3.6	3.6	6.8	8.6	8.7	
Nassau—Suffolk .....	1,279.5	1,309.9	1,306.7	86.7	92.0	85.0	6.8	7.0	6.5	
New York .....	3,633.0	3,629.4	3,690.1	281.9	314.0	323.4	7.8	8.7	8.8	
New York City <sup>2</sup> .....	3,033.0	3,004.0	3,068.0	249.0	280.0	292.0	8.2	9.3	9.5	
Poughkeepsie .....	106.7	109.9	111.3	5.8	6.5	5.9	5.4	5.9	5.3	
Rochester .....	464.6	478.9	480.8	26.2	33.0	31.3	5.6	6.9	6.5	
Syracuse .....	306.7	310.7	313.7	19.8	24.3	23.7	6.5	7.8	7.5	
Utica—Rome .....	136.7	140.4	139.7	9.6	11.3	10.4	7.1	8.0	7.4	
<b>NORTH CAROLINA</b> .....	2,628.2	2,682.7	2,679.3	127.8	157.9	147.9	4.9	5.9	5.5	
Asheville .....	78.6	81.3	81.8	3.5	4.0	4.2	4.5	4.9	5.1	
Charlotte—Gastonia .....	336.7	339.6	338.5	12.7	14.9	13.1	3.8	4.4	3.9	

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		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
<b>NORTH CAROLINA—Continued</b>									
Greensboro—Winston-Salem—High Point .....	414.6	422.4	418.4	17.4	23.1	18.3	4.2	5.5	4.4
Raleigh—Durham .....	280.1	291.1	291.8	10.0	13.0	11.3	3.6	4.5	3.9
<b>NORTH DAKOTA</b>									
Fargo—Moorehead <sup>1</sup> .....	276.2	282.4	288.3	15.6	15.7	14.0	5.6	5.6	4.8
	67.8	69.9	70.9	3.2	3.8	3.6	4.8	5.5	5.0
<b>OHIO<sup>2</sup></b>									
Akron .....	4,968.1	4,994.0	4,962.8	324.8	349.0	349.6	6.5	7.0	7.0
Canton .....	300.9	302.8	300.5	20.4	22.5	22.6	6.8	7.4	7.5
Cincinnati <sup>1</sup> .....	181.1	184.8	183.9	12.1	12.8	13.6	6.7	6.9	7.4
Cleveland .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Columbus .....	919.8	924.3	917.7	49.6	52.6	51.5	5.4	5.7	5.6
Dayton .....	532.2	535.3	531.2	30.7	25.3	24.5	5.8	4.7	4.6
Dayton .....	386.6	385.0	383.5	22.2	24.7	25.1	5.7	6.4	6.5
Toledo <sup>1</sup> .....	364.7	367.3	364.6	27.9	33.4	32.8	7.6	9.1	9.0
Youngstown—Warren .....	232.7	237.0	233.6	17.6	21.7	20.8	7.5	9.1	8.9
<b>OKLAHOMA</b>									
Oklahoma City .....	1,241.4	1,295.4	1,298.7	50.5	48.0	44.3	4.1	3.7	3.4
Tulsa .....	375.0	401.6	403.2	15.0	13.2	11.9	4.0	3.3	3.0
	298.8	310.5	310.0	10.5	11.7	10.3	3.5	3.8	3.3
<b>OREGON</b>									
Eugene—Springfield .....	1,188.0	1,214.2	1,218.6	92.4	99.1	89.0	7.8	8.2	7.3
Portland <sup>1</sup> .....	124.4	N.A.	N.A.	11.0	N.A.	N.A.	8.8	N.A.	N.A.
Salem .....	576.7	N.A.	N.A.	33.2	N.A.	N.A.	5.7	N.A.	N.A.
	109.2	N.A.	N.A.	7.9	N.A.	N.A.	7.2	N.A.	N.A.
<b>PENNSYLVANIA<sup>2</sup></b>									
Allentown—Bethlehem—Easton <sup>1</sup> .....	5,235.8	5,331.5	5,342.9	393.7	413.7	418.9	7.5	7.8	7.8
Altoona .....	295.1	302.4	302.2	20.1	21.6	19.2	6.8	7.2	6.4
Erie .....	56.7	60.3	60.4	5.6	5.8	6.1	9.8	9.6	10.1
Harrisburg .....	123.7	125.9	127.0	9.5	10.7	11.5	7.7	8.5	9.1
Johnstown .....	214.0	217.8	217.7	11.5	13.2	12.9	5.4	6.0	5.9
Lancaster .....	107.5	110.6	111.9	10.5	11.6	12.5	9.7	10.5	11.2
Northeast Pennsylvania .....	173.4	176.4	178.2	8.4	9.0	9.7	4.9	5.1	5.5
Philadelphia <sup>1</sup> .....	280.8	286.0	288.7	26.1	30.3	29.3	9.3	10.6	10.2
Pittsburgh .....	2,101.1	2,121.7	2,132.4	156.0	137.2	140.9	7.4	6.5	6.6
Reading .....	996.2	1,013.4	1,016.3	66.7	75.0	72.5	6.7	7.4	7.1
Williamsport .....	148.6	153.9	156.4	8.5	10.1	12.0	5.7	6.6	7.7
York .....	52.7	52.7	53.0	5.2	6.2	6.5	9.9	11.9	12.3
	170.4	174.9	174.2	10.2	12.3	11.6	6.0	7.0	6.7
<b>RHODE ISLAND</b>									
Providence—Warwick—Pawtucket <sup>1</sup> .....	441.6	459.4	462.2	33.1	35.0	37.5	7.5	7.6	8.1
	447.6	N.A.	N.A.	32.9	N.A.	N.A.	7.4	N.A.	N.A.
<b>SOUTH CAROLINA</b>									
Charleston—North Charleston .....	1,270.1	1,285.5	1,279.6	67.3	75.3	81.5	5.3	5.9	6.4
Columbia .....	149.2	152.3	152.3	8.1	8.7	9.3	5.4	5.7	6.1
Greenville—Spartanburg .....	169.8	173.4	172.2	6.6	7.3	7.5	3.9	4.2	4.4
	254.0	257.8	255.4	10.2	11.8	12.7	4.0	4.6	5.0
<b>SOUTH DAKOTA</b>									
Sioux Falls .....	315.5	319.7	322.6	13.5	16.0	13.4	4.3	5.0	4.2
	60.9	61.4	61.3	2.1	2.8	2.3	3.5	4.6	3.8
<b>TENNESSEE</b>									
Chattanooga <sup>1</sup> .....	1,926.0	N.A.	N.A.	129.4	N.A.	N.A.	6.7	N.A.	N.A.
Knoxville .....	190.0	N.A.	N.A.	10.9	N.A.	N.A.	5.8	N.A.	N.A.
Memphis <sup>1</sup> .....	201.2	N.A.	N.A.	10.2	N.A.	N.A.	5.1	N.A.	N.A.
Nashville—Davidson .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	393.2	N.A.	N.A.	17.2	N.A.	N.A.	4.4	N.A.	N.A.
<b>TEXAS<sup>2</sup></b>									
Amarillo .....	6,202.6	6,345.5	6,319.8	278.7	327.2	325.5	4.5	5.2	5.2
Austin .....	87.6	89.2	89.1	2.9	3.4	4.0	3.3	3.9	4.4
Beaumont—Port Arthur—Orange .....	248.0	250.7	251.6	7.4	9.6	8.4	3.0	3.8	3.3
Corpus Christi .....	166.3	163.8	162.3	11.3	11.9	12.3	6.8	7.3	7.6
Dallas—Fort Worth .....	139.2	142.9	142.4	6.7	8.7	8.3	4.8	6.1	5.8
El Paso .....	1,447.0	1,507.7	1,504.2	52.7	63.1	63.8	3.6	4.2	4.2
Galveston—Texas City .....	169.8	172.5	170.4	14.3	15.8	15.8	8.4	9.1	9.3
Houston .....	80.2	81.2	82.4	4.5	5.3	5.4	5.6	6.5	6.6
Lubbock .....	1,412.1	1,461.1	1,451.5	48.4	61.2	57.3	3.4	4.2	3.9
San Antonio .....	100.5	102.1	101.3	3.6	4.2	4.1	3.5	4.1	4.0
Waco .....	410.6	417.6	415.9	23.9	26.5	26.5	5.8	6.3	6.4
Wichita Falls .....	77.7	79.2	79.3	3.2	3.8	4.0	4.1	4.8	5.0
	59.4	60.2	59.8	2.1	2.2	2.2	3.5	3.7	3.6

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P	FEB. 1979	JAN. 1980	FEB. 1980P
UTAH .....	557.2	591.0	593.0	28.1	35.5	35.0	5.0	6.0	5.9
Salt Lake City—Ogden .....	370.8	394.9	394.0	17.9	21.8	20.9	4.8	5.5	5.3
VERMONT .....	236.2	239.6	240.6	14.0	15.7	15.5	5.9	6.5	6.4
VIRGINIA .....	2,413.4	2,474.8	2,462.8	131.2	133.5	117.5	5.4	5.4	4.8
Lynchburg .....	N.A.	76.4	76.0	N.A.	3.8	3.2	N.A.	5.0	4.2
Newport News—Hampton .....	N.A.	162.4	159.2	N.A.	10.2	8.0	N.A.	6.3	5.0
Norfolk—Virginia Beach—Portsmouth <sup>1</sup> .....	N.A.	324.0	321.6	N.A.	19.1	17.0	N.A.	5.9	5.3
Petersburg—Colonial Heights—Hopewell .....	N.A.	58.4	58.2	N.A.	3.5	3.1	N.A.	6.0	5.3
Richmond .....	N.A.	326.6	325.8	N.A.	12.1	10.1	N.A.	3.7	3.1
Roanoke .....	N.A.	110.3	109.1	N.A.	6.0	4.7	N.A.	5.4	4.3
WASHINGTON .....	1,813.0	1,908.6	1,892.9	138.5	173.2	148.3	7.6	9.1	7.8
Seattle—Everett .....	794.2	840.2	833.4	43.2	54.1	47.9	5.4	6.4	5.8
Spokane .....	146.4	149.9	148.5	12.0	14.0	12.4	8.2	9.3	8.4
Tacoma .....	169.4	174.9	173.3	13.1	16.6	14.0	7.8	9.5	8.1
WEST VIRGINIA .....	726.8	N.A.	N.A.	62.5	N.A.	N.A.	8.6	N.A.	N.A.
Charleston .....	121.9	N.A.	N.A.	6.5	N.A.	N.A.	5.3	N.A.	N.A.
Huntington—Ashland <sup>1</sup> .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Parkersburg—Marietta <sup>1</sup> .....	69.3	N.A.	N.A.	5.0	N.A.	N.A.	7.2	N.A.	N.A.
Wheeling <sup>1</sup> .....	80.0	N.A.	N.A.	5.8	N.A.	N.A.	7.3	N.A.	N.A.
WISCONSIN .....	2,306.2	2,377.8	2,388.9	125.6	132.2	134.5	5.4	5.6	5.6
Appleton—Oshkosh .....	144.1	N.A.	153.1	7.5	N.A.	8.0	5.2	N.A.	5.2
Eau Claire .....	56.4	N.A.	58.6	3.9	N.A.	3.9	6.9	N.A.	6.7
Green Bay .....	85.8	N.A.	88.6	5.0	N.A.	5.3	5.9	N.A.	5.9
Kenosha .....	61.2	N.A.	64.4	3.2	N.A.	3.1	5.3	N.A.	4.9
La Crosse .....	45.0	N.A.	46.3	2.5	N.A.	2.4	5.5	N.A.	5.3
Madison .....	174.8	N.A.	182.9	7.6	N.A.	7.4	4.4	N.A.	4.0
Milwaukee .....	707.2	N.A.	733.2	29.3	N.A.	31.5	4.1	N.A.	4.3
Racine .....	87.7	N.A.	88.3	5.9	N.A.	4.1	6.7	N.A.	4.7
WYOMING .....	205.5	220.1	222.5	6.5	9.3	9.0	3.2	4.2	4.1

<sup>1</sup> Includes interstate portion of area located in adjacent State.

<sup>2</sup> Data are obtained directly from the Current Population Survey. (See "Explanatory Notes" for State and Area Unemployment Data in Employment and Earnings, monthly.)

<sup>3</sup> 1979 estimates for this State may be subject to further revisions as the benchmarking process is completed. Final estimates will be published in the reports listed in the box note below, as they become available.

NOTE: Estimates for 1979 have been benchmarked to 1979 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1980 are pro-

visional and will be revised when new benchmark information becomes available. Data refer to place of residence.

p=preliminary.

N.A.=not available.

SOURCE: Current Population Survey and 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. When ordering, please specify "CETA Area Employment and Unemployment," "State, County, and Selected City Employment and Unemployment," and "Unemployment Rates for State and Local Governments." A complete set of price schedules and publications is available from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield Virginia, 22161.

# Explanatory Notes

## Introduction

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

*Data based on household interviews* are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 65,000 households, representing 629 areas in 1,133 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 obtained each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly 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 day of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

#### Employment

*Coverage.* The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural in-

dustries 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 reports, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

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

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates from Household and Payroll Surveys," *Monthly Labor Review*, December 1969. Reprints of this article are available upon request from the Bureau of Labor Statistics.

#### Hours of work

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

### 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 (some workers in agriculture, domestic services and religious organizations, self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

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

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

*Employment covered by State unemployment insurance programs.* Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. 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, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics. Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

## 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 upon request.

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

Inmates of institutions, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are

included as part of the categories "total noninstitutional population" and "total labor force," are, however, obtained from the Department of Defense.

Each month, 65,000 occupied units are eligible for interview. About 2,800 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 65,000 occupied units, there are 12,000 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.

Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. This was done to permit the publication of reliable quarterly estimates for the 50 States and the District of Columbia. These supplementary households were added to the 56,000 household sample in January 1980.

## 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 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. Measurements of mean and median duration are computed from a distribution of 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) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

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, occupation, industry, 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.

*Employment-population ratios* represent the proportion of the noninstitutional population that is employed.

*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 the CPS 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/she 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 the zero-hour 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." Correspondingly, persons who worked between 1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during the 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," includes all persons who identified themselves 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, Alaskan Natives, and Asian and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

*Hispanic origin* refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American or other Hispanic origin or descent. According to the 1970 Census of population, 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 is primarily one of going to school or not. Statistics on major activity are published every month in table A-7 for 16-21 year-olds by employment status, race, and sex, and, if unemployed, whether seeking full- or part-time work.

*Vietnam-era veterans* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 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 non-poor 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.

The *metropolitan areas* classification consists of the total of all areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of

SMSA's as defined in the 1970 Decennial Census and does not include any subsequent additions or changes. Nonmetropolitan areas refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

## 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. A detailed discussion of this and other definitional changes introduced at that time, including estimates of 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.

Beginning in 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indica-

tion of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than determined by the interviewer as before. The purpose of this change is to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. Although any impact of this change is still unknown, it is possible that it has caused a break in the time series for some racial statistics.

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

### Changes in the occupational classification system

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

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

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

Additional information on changes in the occupational classification system of the CPS appears in "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

### Changes in sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for eight months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a non-contiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated with the existing design. A coverage improvement sample composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. A recent change was introduced in January 1980, when another supplemental sample of 9,000 households selected in 32 States and the District of Columbia to provide more reliable quarterly average estimates for States, was added to the existing sample.

The following table provides a description of some aspects of the CPS sample design in use during the referenced data collection periods. For a more detailed account of the history of the CPS sample design, see *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce, or *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463.

### 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 not 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.

The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and

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

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

<sup>2</sup> These are housing units which were visited, but were found

to be vacant or otherwise not eligible for interview.

<sup>3</sup> Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

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

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the 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.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South and West), and secondly, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

b. *Second-stage ratio estimate.* In this stage, the sample proportion in the categories described below are adjusted to the distribution of independent current estimates of the population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and

over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40 age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of national age-sex-race categories, will be virtually equal to the independent population estimates.

The independent controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1970 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1974, the independent national controls used for the age-sex-race groups in both the second and third steps of the second-stage ratio estimation procedure 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. These independent controls are prepared by inflating the most recent census counts to include the estimated net census undercount by age, sex, and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. 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. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

### **Rounding of estimates**

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

### **Reliability of the estimates**

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

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

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

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*, Technical Paper No. 19, Bureau of the Census. U.S. Department of Commerce.

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls us-

ed have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

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

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

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.

3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

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

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

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

and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-1966 period they should be multiplied by 1.22.

**Table A. Standard errors of major employment status categories**

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
<b>Total, 16 years and over:</b>		
Civilian labor force . . . . .	223	171
Employed . . . . .	236	180
Unemployed . . . . .	107	111
<b>Males, 20 years and over:</b>		
Civilian labor force . . . . .	124	107
Employed . . . . .	135	118
Unemployed . . . . .	68	71
<b>Females, 20 years and over:</b>		
Civilian labor force . . . . .	168	129
Employed . . . . .	167	131
Unemployed . . . . .	64	67
<b>Both sexes, 16-19 years:</b>		
Civilian labor force . . . . .	80	85
Employed . . . . .	84	94
Unemployed . . . . .	56	69
<b>Black and other, 16 years and over:</b>		
Civilian labor force . . . . .	78	60
Employed . . . . .	85	65
Unemployed . . . . .	54	57
<b>Males, 20 years and over:</b>		
Civilian labor force . . . . .	44	38
Employed . . . . .	49	43
Unemployed . . . . .	33	35
<b>Females, 20 years and over:</b>		
Civilian labor force . . . . .	62	48
Employed . . . . .	62	49
Unemployed . . . . .	34	36
<b>Both sexes, 16-19 years:</b>		
Civilian labor force . . . . .	33	37
Employed . . . . .	30	35
Unemployed . . . . .	29	32

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

*Illustration.* Assume that the tables showed that the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table C shows that the standard error on an estimate

of 12,000,000 is about 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in column one of table D the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

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

Tables E and F show generalized standard errors for monthly level and month-to-month change for unemployment rates.

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

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

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

*Illustration.* For an example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that the tables show that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table E (0.11 percentage point). The appropriate factor then from table I is 1.40. The approximate standard error on the change of 0.8 percentage point is then given by  $0.11 \times 1.40 = 0.15$  percentage point.

**Table B. Standard errors of unemployment rates for major characteristics**

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers) . . . . .	.11	.11	<b>OCCUPATION—Continued</b>		
Males, 20 years and over . . . . .	.13	.13	Blue collar workers—Continued		
Females, 20 years and over . . . . .	.17	.18	Operatives, except transport . . . . .	.35	.40
Both sexes, 16-19 years . . . . .	.55	.65	Transport equipment operatives . . . . .	.49	.55
White workers . . . . .	.11	.11	Nonfarm laborers . . . . .	.62	.71
Black (and other) workers . . . . .	.45	.47	Service workers . . . . .	.31	.34
Married men, spouse present . . . . .	.12	.13	Farm workers . . . . .	.55	.62
Married women, spouse present . . . . .	.21	.22			
Full-time workers . . . . .	.11	.12	<b>INDUSTRY</b>		
Part-time workers . . . . .	.32	.40	Nonagricultural private wage and salary workers . . . . .	.12	.13
Unemployed 15 weeks and over . . . . .	.06	.07	Construction . . . . .	.58	.66
<b>OCCUPATION</b>			Manufacturing . . . . .	.22	.24
White-collar workers . . . . .	.12	.13	Durable goods . . . . .	.27	.30
Professional and technical . . . . .	.18	.20	Nondurable goods . . . . .	.36	.40
Managers and administrators, except farm . . . . .	.19	.21	Transportation and public utilities . . . . .	.31	.35
Sales workers . . . . .	.37	.41	Wholesale and retail trade . . . . .	.25	.28
Clerical workers . . . . .	.23	.26	Finance and service industries . . . . .	.17	.19
Blue-collar workers . . . . .	.20	.22	Government workers . . . . .	.21	.23
Craft and kindred workers . . . . .	.27	.30	Agricultural wage and salary workers . . . . .	1.09	1.24

**Table C. Standard errors for estimates of monthly level (In thousands)**

Estimated monthly level	Characteristics <sup>1</sup>								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white males only, or females only	Black and other males only, or females only	Total or white	Black and other
50 . . . . .	13	10	10	10	10	9	9	10	11
100 . . . . .	18	14	14	14	14	13	13	14	15
500 . . . . .	41	32	32	32	28	30	29	31	33
1,000 . . . . .	57	45	44	44	33	42	40	44	46
2,000 . . . . .	81	64	60	60	13	59	52	62	63
4,000 . . . . .	113	90	79	77	—	82	60	87	83
6,000 . . . . .	137	109	88	84	—	99	53	106	93
8,000 . . . . .	—	125	90	84	—	113	16	122	—
10,000 . . . . .	—	139	87	76	—	124	—	135	—
15,000 . . . . .	—	166	36	—	—	146	—	163	—
20,000 . . . . .	—	188	—	—	—	161	—	182	—
30,000 . . . . .	—	219	—	—	—	177	—	—	—
40,000 . . . . .	—	249	—	—	—	178	—	—	—
50,000 . . . . .	—	253	—	—	—	164	—	—	—
60,000 . . . . .	—	260	—	—	—	131	—	—	—
70,000 . . . . .	—	260	—	—	—	49	—	—	—
80,000 . . . . .	—	254	—	—	—	—	—	—	—
100,000 . . . . .	—	221	—	—	—	—	—	—	—
120,000 . . . . .	—	143	—	—	—	—	—	—	—

<sup>1</sup> When determining the standard error of an estimate for a group which is a subset of the age, sex, race groups listed, use the standard error for the next larger group, e.g., when determining the standard error on the estimated number of employed persons age 20 to 54 years use the column for total employed.

**Table D. Standard errors for estimates of month-to-month change**

(In thousands)

Estimated monthly level	Type of characteristic <sup>1</sup>							
	Labor force data other than unemployment and agriculture employment data							
	Total or white	Black and other	Total, or white, 16-19 years	Black and other, 16-19 years	Unemployment			
					Total or white	Both sexes 16-19 years, or part-time labor force <sup>2</sup>	Black and other	Black and other, 16-19 years
50 .....	8	8	12	12	11	12	12	12
100 .....	11	11	17	17	16	17	16	17
500 .....	24	23	37	33	35	39	36	34
1,000 .....	34	33	52	37	48	55	49	39
2,000 .....	47	45	70	-	68	77	65	-
4,000 .....	66	58	89	-	93	107	80	-
6,000 .....	81	65	96	-	110	129	-	-
8,000 .....	93	68	93	-	123	147	-	-
10,000 .....	103	65	78	-	132	162	-	-
15,000 .....	123	33	-	-	145	191	-	-
20,000 .....	130	-	-	-	146	211	-	-
30,000 .....	163	-	-	-	-	-	-	-
40,000 .....	179	-	-	-	-	-	-	-
50,000 .....	189	-	-	-	-	-	-	-
60,000 .....	194	-	-	-	-	-	-	-
70,000 .....	195	-	-	-	-	-	-	-
80,000 .....	191	-	-	-	-	-	-	-
100,000 .....	179	-	-	-	-	-	-	-
120,000 .....	119	-	-	-	-	-	-	-

<sup>1</sup> See footnote 1, table C.

<sup>2</sup> Part-time labor force for unemployment also includes persons

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

**Table E. Standard errors of unemployment rates**

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.05	2.88	4.49	6.18	7.36	8.25	8.93	9.46	9.85	10.36
100 .....	1.45	2.04	3.18	4.37	5.20	5.83	6.32	6.69	6.97	7.33
500 .....	.65	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000 .....	.46	.65	1.01	1.38	1.65	1.84	2.00	2.12	2.21	2.32
2,000 .....	.32	.46	.71	.98	1.17	1.31	1.42	1.50	1.56	1.64
4,000 .....	.23	.32	.50	.69	.83	.92	1.00	1.06	1.10	1.16
6,000 .....	.19	.26	.41	.57	.67	.75	.82	.86	.90	.94
10,000 .....	.15	.21	.32	.44	.52	.59	.63	.67	.70	.73
20,000 .....	.11	.15	.23	.31	.37	.41	.45	.47	.49	.51
60,000 .....	.06	.08	.12	.17	.20	.23	.25	.26	.27	.28
100,000 .....	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22

**Table F. Standard errors of month-to-month change in unemployment rates**

Monthly base of unemployment rate (In thousands)	Monthly unemployment rate									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.32	3.28	5.12	7.10	8.52	9.64	10.05	11.39	11.97	12.55
100 .....	1.64	2.32	3.62	5.02	6.02	6.81	7.11	8.05	8.39	8.87
500 .....	.74	1.04	1.62	2.25	2.69	3.04	3.17	3.58	3.73	3.93
1,000 .....	.52	.73	1.15	1.59	1.90	2.15	2.24	2.52	2.62	2.74
2,000 .....	.37	.52	.81	1.12	1.34	1.51	1.57	1.76	1.83	1.89
4,000 .....	.26	.37	.57	.79	.94	1.06	1.10	1.22	1.26	1.26
6,000 .....	.21	.30	.47	.64	.76	.86	.89	.97	1.00	-
10,000 .....	.16	.13	.36	.49	.59	.65	.67	.72	-	-
20,000 .....	.11	.15	.24	.33	.39	.44	.48	.51	-	-
60,000 .....	.06	.09	.13	.18	.21	.22	.23	-	-	-
100,000 .....	.05	.07	.10	.13	.14	.14	-	-	-	-

**Table G. Standard errors of estimated percentages and month-to-month change in percentages for labor force data**

Monthly base of percentages (In thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50 .....	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100 .....	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

NOTE: The standard errors in this table must be multiplied by a specific type of characteristic. the factors in table H to obtain the approximate standard error for

**Table H. Factors to be used with Table G to compute approximate standard errors for percentages and month-to-month changes in percentages**

Type of characteristic	Factor		Type of characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force ...	1.26	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force .....	1.01	1.21
Part-time labor force .....	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment data and unemployment data:			Total or white:		
Total .....	1.00	.74	Total .....	.97	1.08
Males only .....	.93	.84	Both sexes, 16-19 years .....	.97	1.21
Females only .....	.86	.75	Black and other:		
Both sexes, 16-19 years .....	1.00	1.18	Total .....	1.04	1.13
Part-time labor force .....	1.00	1.18	Both sexes, 16-19 years .....	1.04	1.24



**Table I. Factors to be used with Tables C, E, G, H to compute the approximate standard errors of level, rates and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages**

Type of characteristic	Factors				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
<b>Agricultural employment:</b>					
Total or male .....	1.30	.89	.80	.72	.70
Female or teenagers (16-19 years).....	1.30	.83	.80	.58	.70
Part time .....	1.40	.74	.80	.46	.70
<b>Labor force data other than agricultural employment data and unemployment data:</b>					
Total or white .....	1.30	.88	.88	.67	.70
Black and other or teenagers (16-19 years).....	1.30	.82	.88	.57	.70
Part time .....	1.40	.74	.88	.46	.60
<b>Unemployment:</b>					
Total .....	1.40	.76	.88	.50	.65
Part time .....	1.40	.69	.88	.39	.54

# Establishment data (B, C, and D tables)

## COLLECTION

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

### Federal-State cooperation

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

### Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure increases comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and total employment during the pay period which includes the 12th of the 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. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

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

### 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. Employees of the Central Intelligence and National Security Agencies are also 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 even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are on layoff, on leave without pay, or on strike for the entire period or who were hired but have not yet reported during the period.

### Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries. An exception to the definitions below are the statistics on hours and earnings of Federal Government employees, reported in table C-3, which are for all Federal employees, both supervisory and nonsupervisory, for the entire calendar month. 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 construction division: Working supervisors, qualified craft workers, mechanics, 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 other employees at similar occupational levels whose services are closely associated with those of the employees listed.

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

*Hours* cover the hours paid for, during the pay period which includes the 12th of the month, for production, construction, or non-supervisory 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. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

Gross average weekly earnings estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. 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 reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of 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 services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

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

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

Since overtime hours are premium hours by definition, 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 hours or employment 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.

*Railroads hours and earnings.* The figures for class I railroads (excluding switching and terminal companies) are based on monthly data

summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. 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, the worker's marital status and level of gross income. To reflect these variables, the Bureau calculates two sets of spendable earnings series based on the assumptions that the worker earned the gross average weekly earnings and was taxed at the rates applicable to either (1) a single worker with no dependents, or (2) a married worker with three dependents who files a joint return. The computations are based on gross average weekly earnings for all production or non-supervisory workers in the industry division excluding other income and income earned by other family members.

The series reflect the spendable earnings of only those workers, with no dependents or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and non-supervisory 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 Ryscavage, "Two Divergent Measures of Purchasing Power," in the *Monthly Labor Review* for August 1979. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings, or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and then multiplying by 100. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar 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. 537-40). Both methods are based on an assumption that earnings due to overtime are 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 average of the 12 monthly figures for 1967. For basic industries, the hours aggregates are the product of average weekly hours and production-worker or non-supervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of industry 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. The inclusion of transfers to or from another establishment of the company as separations and accessions began 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.

*Recalls* are permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting more than 7 consecutive days. (The collection of recalls, as a separate item, began January 1976.)

*Other accessions* are all additions to the employment roll which are not classified as new hires or recalls. These include transfers from other establishments of the company and former employees returning from military leave or other absences without pay who have been counted as separations. Data on other accessions are not published separately but are included in total accessions.

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

*Quits* are terminations of employment initiated by employees, failure to report after being hired (if counted as new hires previously), 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, transfer 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 strictly 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 establishment statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

### The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, 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 J.

### Size and regional stratification

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

### 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 1978 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover more than 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 for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1978 benchmark adjustment is shown in table K.

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

## THE SAMPLE

### Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establish-

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<b>Monthly data</b>		
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. <sup>1</sup>	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) estimated ratio of women to all employees. <sup>2</sup>	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours . . . . .	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours . . . . .	Production-worker overtime hours divided by number of production workers. <sup>2</sup>	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings . . . . .	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
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.
<b>Annual average data</b>		
All employees, women 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.

See footnotes at end of table.

**Table J. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover—Continued**

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Annual average data—Continued		
Gross average hourly earnings .....	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
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 .....	Annual average aggregate (of each labor turnover action) divided by annual average employment.	Annual average aggregate (of each labor turnover action) divided by annual average employment.

<sup>1</sup> The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

<sup>2</sup> The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by a wedging technique designed to com-

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

ment.” This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides

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

In the context of the BLS 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 the reference period and, at a somewhat later date, statistics in considerably greater industrial detail.

**Coverage**

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table L 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 M shows the approximate coverage, in terms of employment, of the labor turnover sample.

**Table K. Comparison of nonagricultural employment benchmarks and estimates for March 1978**

Industry division	Benchmark March 1978	Estimate March 1978	Percent difference
Total .....	84,455	83,897	0.7
Mining .....	699	686	1.9
Construction .....	3,733	3,675	1.6
Manufacturing .....	20,122	19,995	.6
Transportation and public utilities .....	4,804	4,759	.9
Wholesale and retail trade .....	18,878	18,801	.4
Finance, insurance, and real estate .....	4,623	4,577	1.0
Services .....	15,870	15,678	1.2
Government .....	15,726	15,726	0

**Table L. Approximate size and coverage of BLS employment and payrolls sample, March 1978<sup>1</sup>**

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total . . . . .	161,800	33,453,000	40
Mining . . . . .	2,100	268,000	38
Construction . . . . .	15,800	636,000	17
Manufacturing . . . . .	45,800	11,268,000	56
Transportation and public utilities:			
Railroad transportation (ICC) . . . . .	39	471,000	91
Other transportation and public utilities . . . . .	7,200	2,093,000	49
Wholesale and retail trade . . . . .	39,500	3,232,000	17
Finance, insurance, and real estate . . . . .	10,600	1,701,000	37
Services . . . . .	23,900	3,104,000	20
Government:			
Federal <sup>2</sup> . . . . .	4,600	2,725,000	100
State and local . . . . .	12,300	7,955,000	61

<sup>1</sup> 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.

<sup>2</sup> National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 3,700 reports covering about 55 percent of employment in Federal establishments.

**Table M. Approximate size and coverage of BLS labor turnover sample, March 1978**

Industry	Employees	
	Number reported	Percent of total
Total . . . . .	10,222,680	47
Manufacturing . . . . .	9,345,940	46
Mining <sup>1</sup> . . . . .	186,560	21
Telephone communication . . . . .	698,980	72

<sup>1</sup> June 1978 data used due to strike in March.

**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. Table N presents the average percent revisions of the five 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.

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

Industry division	Average benchmark revision in estimates of employment <sup>1</sup>	Relative errors <sup>2</sup> (in percent)	
		Average weekly hours	Average hourly earnings
		[In percent]	
Total nonagricultural employment . . . . .	0.2	—	—
Total private . . . . .	.3	0.1	0.2
Mining . . . . .	1.3	.5	.5
Contract construction . . . . .	1.3	.2	.3
Manufacturing . . . . .	.3	.1	.1
Durable . . . . .	.3	.1	.1
Nondurable goods . . . . .	.5	.1	.1
Transportation and public utilities . . . . .	.4	.7	.4
Trade . . . . .	.2	.1	.2
Wholesale . . . . .	.9	.2	.3
Retail . . . . .	.2	.2	.2
Finance, insurance, and real estate . . . . .	.5	.2	.4
Services . . . . .	.7	.4	.8
Government <sup>3</sup> . . . . .	.1	—	—

<sup>1</sup> The average percent revision in employment for the 1969-71, 1974, and 1978 benchmarks.

<sup>2</sup> Relative errors relate to March 1971 data.

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

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

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

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

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

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

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

Size of employment estimate	Root-mean-square error of employment estimates <sup>1</sup>	Relative errors <sup>2</sup> (in percent)	
		Average weekly hours	Average hourly earnings
50,000 .....	2,100	0.9	1.5
100,000 .....	4,400	.7	1.1
200,000 .....	7,100	.5	.9
500,000 .....	15,200	.4	.8
1,000,000 .....	17,100	.3	.5
2,000,000 .....	28,500	.3	.5

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.  
<sup>2</sup> Relative errors relate to March 1971 data.

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 P presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

## STATISTICS FOR STATES AND AREAS

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

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

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

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
<b>INDUSTRY DIVISIONS</b>		
Total nonagricultural employment .....	83,000	75,000
Mining .....	8,000	5,000
Contract construction .....	32,000	30,000
Manufacturing .....	32,000	36,000
Durable two-digit industries .....	3,700	3,500
Nondurable two-digit industries ..	2,500	2,500
Transportation and public utilities ...	20,000	15,000
Wholesale and retail trade .....	29,000	27,000
Finance, insurance, and real estate ...	8,000	8,000
Services .....	35,000	35,000
Government .....	43,000	37,000
<b>DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE</b>		
50,000 .....	300	400
100,000 .....	700	700
200,000 .....	1,100	1,100
500,000 .....	3,900	4,100
1,000,000 .....	3,800	3,900
2,000,000 .....	6,000	6,100

NOTE: Division level data are based on differences from January 1972 through June 1979. Detailed industry data are based on differences from August 1978 through June 1979.

## 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 for All Urban Consumers (CPI-U).

*Unit labor costs* measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* include corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

## Notes on the data

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

Manufacturing 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 hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

# State and area unemployment data (E tables)

## FEDERAL-STATE COOPERATIVE PROGRAM

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

## ESTIMATING METHODS

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

Monthly employment and unemployment estimates in the remaining 40 States and 214 labor market areas 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 residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry 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. This is referred to below as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current 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 to the employment estimate for each non-covered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) 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. *Correction factors for employment and unemployment* are then applied at the State level to the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6 month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's)

within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly

CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

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

## Seasonal adjustment

Over a course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment programs used for these series are based on an adaption of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the methods 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).

Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11/ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, September 1979. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which essentially places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, at the beginning of each calendar year.

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 official 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 data for selected labor force series based on the experience through December 1979, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1980, and a description of the current seasonal adjustment methodology are published in the January 1980 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the entire 5-year revision period for a broader range of labor force series appear in the February 1980 issue of this publication. 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, women employees, production or nonsupervisory 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 weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 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 June 1979. Seasonal factors to be used for current adjustment appear in the October 1979 issue of *Employment and Earnings*.

# 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, Room 427 Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85005
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 (CES).
VIII COLORADO	-Division of Employment and Training, 1278 Lincoln Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, Bldg. D, Chapman Rd., Route 273, Newark 19713
III DIST. OF COL.	-Office of Administration and Management Services, D.C. Department of Manpower, Suite 1000, 605 G Street, N. W., Washington 20001
IV FLORIDA	-Department of Labor and Employment Security, Caldwell Building, Tallahassee 32304
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83707
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Street, 15th floor, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Division of Employment, Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40601
VI LOUISIANA	-Department of Labor, P.O. Box 44094--Capitol Station, Baton Rouge 70804
I MAINE	-Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
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V MICHIGAN	-Employment Security Commission, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Economic Security, 390 North Robert Street, Room 517 St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
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VI NEW MEXICO	-Employment Services Division, Department of Human Services, P.O. Box 1928, Albuquerque 87103
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IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
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V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 43216
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I RHODE ISLAND	-Department of Employment Security, 24 Mason Street, Providence 02903
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VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
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III WEST VIRGINIA	-Department of Employment Security, 112 California Avenue, Charleston 25305
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