

Employment and Earnings

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CALENDAR OF SPECIAL FEATURES								
Features	Jan.	Feb.	Mar.	Apr.	May	Jul.	Oct.	Dec.
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Quarterly averages:								
Seasonally adjusted data								
Persons not in labor force								
Persons of Hispanic origin	x			x		x	x	
Vietnam-Era veterans and nonveterans								
Poverty-nonpoverty area data								
Family relationship data								
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Industry divisions (preliminary)	x							
Industry detail (final)			x					
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Revised seasonally adjusted series							(2)	
State and area annual averages					x			
Area definitions					x			

¹ The issue that introduces new benchmarks varies. The October 1978 issue marks the introduction of March 1977 benchmarks and conversion to the 1972 SIC.

² Revised data introduced October 1978.

Employment and Earnings

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Editors: Chester L. Green, Gloria P. Green, Marc Weinstein

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Employment and Unemployment Developments, March 1979

Employment continued to grow in March and unemployment was unchanged. The Nation's overall unemployment rate was 5.7 percent; it has been in the 5.7 to 5.9 percent range for the past 8 months.

Total employment—as measured by the monthly survey of households—rose by about 200,000 in March to 96.8 million. Over the past year, total employment has grown by 3.5 million.

Nonfarm payroll employment—as measured by the monthly survey of establishments—rose by 325,000 over the month to 88.2 million. Nonfarm payroll jobs have advanced by 3.3 million since March 1978.

Unemployment

Both the number of unemployed, 5.9 million, and the unemployment rate, 5.7 percent, remained at or near the levels which have been in evidence since August 1978. Consistent with the overall rate, there was little or no over-the-month change in the jobless rates for adult men (4.0 percent), adult women (6.7 percent), or teenagers (15.5 percent), nor have there been any significant movements in these rates since last August.

Since March of last year, the number of jobless persons has declined by more than 300,000, and the unemployment rate has fallen by one-half of a percentage point. Over the year, the jobless rate for whites declined by one-half point to 5.0 percent, while the rate for blacks fell by 1.2 points to 11.2 percent. (See tables A-33 and A-36.)

Total employment and the labor force

Total employment increased by nearly 200,000 in March, after registering strong gains in both January (450,000) and February (345,000). The employment-population ratio was unchanged at February's record level of 59.4 percent. Most of the February-to-March increase occurred among adult women. Since March 1978, employment has risen by 3.5 million; adult women have accounted for half of this gain. (See tables A-33 and A-42.)

The civilian labor force grew by 190,000 over the month to 102.7 million, 3.2 million higher than in March 1978. At 63.9 percent, the civilian labor force participation rate was unchanged from February but was one full percentage point above its year-ago level.

Discouraged workers

Discouraged workers are persons who report that they

want work but are not looking for a job because they believe they cannot find one. 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. These data are published on a quarterly basis. The number of discouraged workers edged down to 725,000 during the first quarter of 1979. (See table A-53.) The discouraged worker level has declined by 350,000 since mid-1977 to its lowest level since the third quarter of 1974.

Industry payroll employment

Nonfarm payroll employment advanced by 325,000 over the month to 88.2 million. Job gains occurred in 56 percent of the 172 industries that comprise the BLS diffusion index of private nonagricultural employment. Since last March, jobs increased by 3.3 million, or 4.0 percent. (See tables B-4 and B-7.)

In the goods-producing sector, over-the-month increases occurred in both manufacturing and construction. A gain of 70,000 in manufacturing was concentrated in electrical and electronic equipment, transportation equipment, and machinery. The construction advance, also about 70,000, followed 2 months of little or no employment growth which was probably associated with the unusually bad winter weather. Since March 1978, construction and durable goods manufacturing have had the biggest employment gains in the goods-producing sector.

The over-the-month growth in service-producing jobs was led by wholesale and retail trade, which advanced by about 90,000 and accounted for nearly half of the sector's increase. All of the other major service-producing sector divisions had job increases, although growth was relatively slow in services and government. Since March 1978, trade has accounted for the largest share of the sector's employment growth.

Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 35.9 hours in March, up 0.1 hour from the February level. The manufacturing workweek also edged up 0.1 hour, after registering 40.7 hours for 4 months. Factory overtime was 3.8 hours for the fourth consecutive month. (See table C-7.)

Reflecting the over-the-month increase in both employment and the average workweek, the index of aggregate

weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose 0.8 percent to 124.3 (1967=100). The index was 4.4 percent above its year-ago level. (See table C-8.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.8

percent from February and were 9.0 percent above the March 1978 level (seasonally adjusted). Average weekly earnings were up 1.1 percent over the month and have risen 8.7 percent from the year-earlier level.

Before adjustment for seasonality, average hourly earnings rose 3 cents to \$6.02, 50 cents above March 1978. Average weekly earnings were \$214.31, \$2.26 above February and \$16.69 higher than a year earlier. (See table C-1 and C-9.)

New Statistics on Hispanics and Blacks

*Morris J. Newman

This issue of *Employment and Earnings* introduces three new tables presenting 1978 annual average data on Hispanic Americans. Publication of these figures is part of an overall expansion in the Bureau's Hispanic data program undertaken partly in response to Public Law 94-311, which mandated improvements in the collection, analysis, and publication of Hispanic labor force data.¹ Appearing for the first time are data on the occupations and industries of the employed, and on the status of persons outside the labor force, including information on the number of discouraged workers. Data for blacks (*only*) are also shown for the first time in these tables. Beginning with 1979 data, annual average data comparable to those introduced in tables 1 through 3 will appear in subsequent January issues of this publication.

Data from table 1 show that a lower percentage of both Hispanics and blacks were employed in the two highest paid job categories, professional and technical workers, and managers and administrators, than among total employed. Conversely, both minorities were overrepresented in operative, laborer, service, and farm jobs. These four groupings are among the lowest paid occupations.² Both Hispanics and blacks were distributed fairly proportionally among the major industry groups in 1978. (See table 2.)

Blacks, and to a lesser extent Hispanics, were more likely than whites³ to have been "discouraged workers"

in 1978 ("think cannot get job" category in table 3). Although blacks constituted 11 percent of the number of persons outside the labor force in 1978, the 248,000 black discouraged workers represented 29 percent of the total discouraged. Some 5 percent of the total not in the labor force but about 7 percent (56,000) of all discouraged workers were Hispanic. As with whites, most of the black and Hispanic discouraged workers were women.

* Morris J. Newman is an economist in the Division of Employment and Unemployment Analysis, Office of Current Employment Analysis, Bureau of Labor Statistics.

¹ Previous expansions in regular publication of quarterly data on Hispanic persons occurred in the April and July 1978 issues of this publication. Two major Hispanic analyses were also released in 1978: *Workers of Spanish Origin: A Chartbook*, published in both English (BLS Bulletin 1970) and Spanish (BLS Bulletin 1971) versions; and, a December 1978 *Monthly Labor Review* article entitled "A profile of Hispanics in the U.S. workforce," which analyzed in detail the employment status of the Nation's Mexican, Puerto Rican, Cuban, and other Hispanic population. Several other recent BLS articles and reports also provide information on Hispanic workers.

² See, "Survey Shows Weekly and Hourly Earnings for Major Groups of Workers," USDL Press Release 78-842, October 12, 1978.

³ Data for whites appeared on page 187 of the January 1979 issue of this publication.

HOUSEHOLD DATA ANNUAL AVERAGES

Table 1. Employed Hispanic and black workers by occupation

(In thousands)

Occupation	1978			Occupation	1978		
	Total Employed	Percent of total			Total Employed	Percent of total	
		Hispanic	Black			Hispanic	Black
Total, 16 years and over	94,373	4.6	9.5	Blue-collar workers—Continued			
White-collar workers	47,206	3.0	6.3	All other	2,404	4.8	6.4
Professional and technical	14,245	2.3	6.3	Operatives, except transport	10,875	8.5	13.2
Health workers	2,606	2.0	7.1	Durable goods manufacturing	4,909	8.0	12.6
Teachers, except college	2,992	2.2	8.6	Nondurable goods manufacturing	3,479	10.0	14.9
Other professional and technical	8,648	2.4	5.2	Other industries	2,487	7.4	11.7
Managers and administrators, except farm	10,106	2.5	3.7	Transport equipment operatives	3,541	5.0	13.9
Salaried workers	8,277	2.3	3.7	Drivers, motor vehicles	3,011	4.9	13.2
Self-employed workers in retail trade	886	4.0	3.7	All other	530	5.7	18.1
Self-employed workers, except retail trade	933	2.9	3.3	Nonfarm laborers	4,729	7.5	16.2
Sales workers	5,951	2.9	3.6	Construction	896	8.4	17.3
Retail trade	3,172	3.7	4.3	Manufacturing	1,106	7.2	19.4
Other industries	2,779	1.9	3.2	Other industries	2,728	7.2	14.5
Clerical workers	16,904	3.9	8.9	Service workers	12,839	5.7	17.5
Stenographers, typists, and secretaries	4,729	3.5	7.2	Private household workers	1,162	5.9	31.8
Other clerical workers	12,175	4.1	9.5	Service workers, except private household	11,677	5.7	18.1
Blue-collar workers	31,531	6.5	12.4	Food service workers	4,283	6.0	10.4
Craft and kindred workers	12,386	4.7	6.4	Protective service workers	1,358	3.2	12.5
Carpenters	1,253	4.8	4.3	All other	6,036	6.1	20.9
Construction craft, except carpenters	2,508	5.0	7.9	Farm workers	2,798	6.4	7.4
Mechanics and repairers	3,335	4.8	6.3	Farmers and farm managers	1,480	0.5	2.4
Metal craft	1,213	4.2	5.9	Farm laborers and supervisors	1,318	13.1	13.0
Blue-collar worker supervisors, not elsewhere classified	1,871	4.1	6.1	Paid workers	1,019	16.7	16.2
				Unpaid family workers	298	0.7	2.0

Table 2. Employed Hispanic and black workers by industry

(In thousands)

Industry	1978			Industry	1978		
	Total Employed	Percent of total			Total Employed	Percent of total	
		Hispanic	Black			Hispanic	Black
Total, 16 years and over	94,373	4.6	9.5	Nondurable goods—Continued			
Agriculture	3,342	6.6	7.3	Other nondurable goods industries	616	6.7	11.4
Mining	828	3.5	2.8	Transportation and public utilities	6,182	4.2	11.0
Construction	6,043	4.9	7.1	Railroads and railway express	582	3.4	10.1
Manufacturing	21,487	5.8	9.8	Other transportation	2,967	4.7	11.6
Durable goods	12,821	5.3	9.4	Communications and other public utilities	2,614	3.8	10.5
Lumber and wood products	724	4.6	16.3	Wholesale and retail trade	19,253	4.4	8.2
Furniture and fixtures	564	9.0	7.8	Wholesale trade	3,818	4.2	5.7
Stone, clay, and glass products	679	5.9	12.1	Retail trade	15,636	4.5	6.4
Primary metal industries	1,220	5.6	13.9	Finance, insurance, and real estate	5,406	3.3	7.6
Fabricated metal products	1,444	7.7	8.3	Service industries	26,821	4.1	11.8
Machinery, except electrical equipment	2,486	3.7	5.0	Private household	1,396	6.0	29.9
Electrical equipment	2,144	5.2	7.9	Other service industries	25,425	4.0	10.8
Transportation equipment	2,230	3.8	12.7	Business repair services	3,490	5.6	9.0
Automobiles	1,247	3.0	14.8	Personal services	2,430	5.9	13.0
Other transportation equipment	983	4.7	10.4	Entertainment and recreation services	1,018	4.2	6.7
Instruments and related products	560	4.3	5.5	Professional services	18,327	3.4	11.2
Other durable goods industries	781	8.8	8.2	Medical, except hospital	2,933	3.4	9.7
Nondurable goods	8,876	6.4	10.4	Hospitals	3,781	4.0	16.2
Food and kindred products	1,874	7.9	10.9	Welfare and religion	1,525	4.1	15.3
Textile mill products	871	3.0	16.5	Education	7,625	3.3	10.8
Apparel and other textile products	1,265	13.5	12.5	Other	2,464	2.4	3.9
Paper and allied products	705	5.1	9.5	Forestry and fisheries	159	2.5	3.8
Printing and publishing	1,429	3.5	5.5	Public administration	5,020	3.8	13.4
Chemicals and allied products	1,189	3.4	10.1				
Rubber and plastics products	708	8.1	7.6				

HOUSEHOLD DATA ANNUAL AVERAGES

Table 3. Job desire of Hispanic and black workers 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			Sex	
		16-24	25-59	60 and over	Males	Females
1978						
HISPANIC ORIGIN						
Total not in labor force	2,838	878	1,377	583	687	2,151
Do not want a job now	2,473	687	1,203	568	584	1,889
Current activity:						
Going to school	400	355	42	2	200	199
Ill, disabled	216	14	128	75	114	103
Keeping house	1,458	260	940	265	7	1,451
Retired	214	—	3	211	162	52
Other	186	78	92	15	101	84
Want a job now	365	179	172	14	103	262
Reason not looking:						
School attendance	98	87	12	—	48	51
Ill health, disability	41	6	28	8	16	25
Home responsibilities ¹	107	38	71	—	—	107
Think cannot get job	56	22	28	4	19	36
Other reasons	63	28	33	2	20	43
BLACK						
Total not in labor force	6,430	2,028	2,348	2,053	2,131	4,299
Do not want a job now	5,228	1,435	1,832	1,959	1,738	3,488
Current activity:						
Going to school	966	896	69	1	471	495
Ill, disabled	781	37	408	337	396	386
Keeping house	2,218	270	1,095	852	43	2,173
Retired	730	—	10	720	529	201
Other	533	232	252	49	299	233
Want a job now	1,203	595	513	97	393	811
Reason not looking:						
School attendance	337	307	30	—	157	180
Ill health, disability	207	22	142	44	87	120
Home responsibilities ¹	251	102	147	6	—	251
Think cannot get job	248	98	121	30	94	155
Other reasons	160	66	73	17	55	105

¹ Small number of men not looking for work because of "home responsibilities" are included in "other reasons."

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15. Average weekly earnings in nonagricultural industries, 1960-79	20
16. Total private gross and spendable weekly earnings, 1960-79	21
17. Labor turnover rates in manufacturing, 1960-79	21

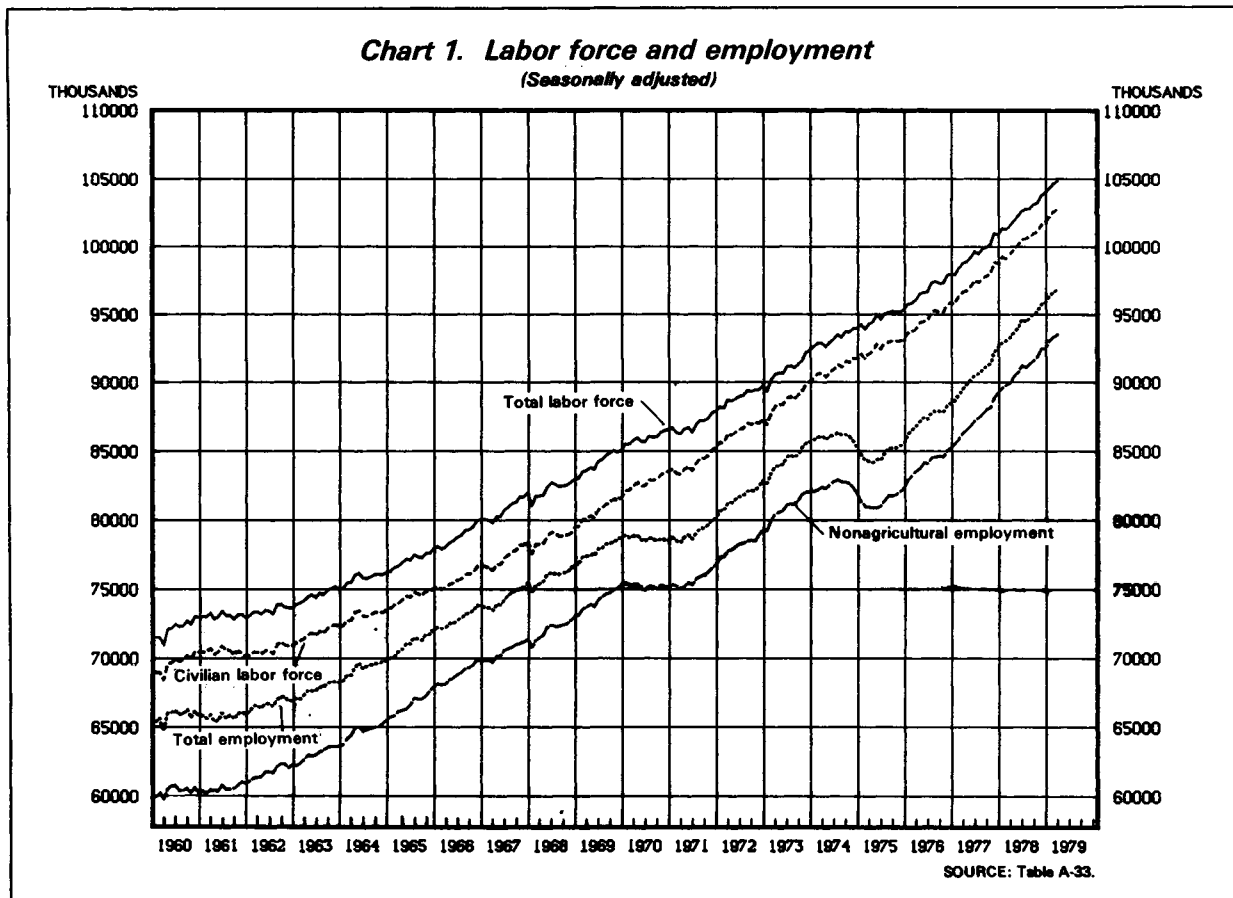
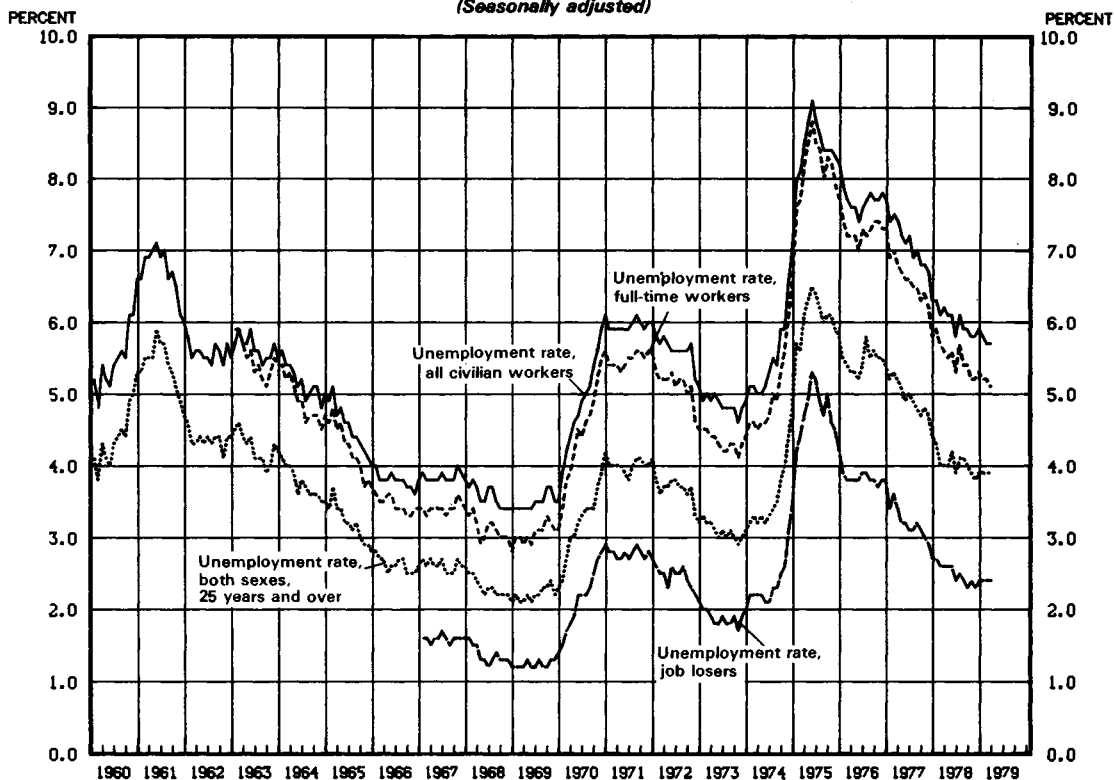


Chart 2. Major unemployment indicators

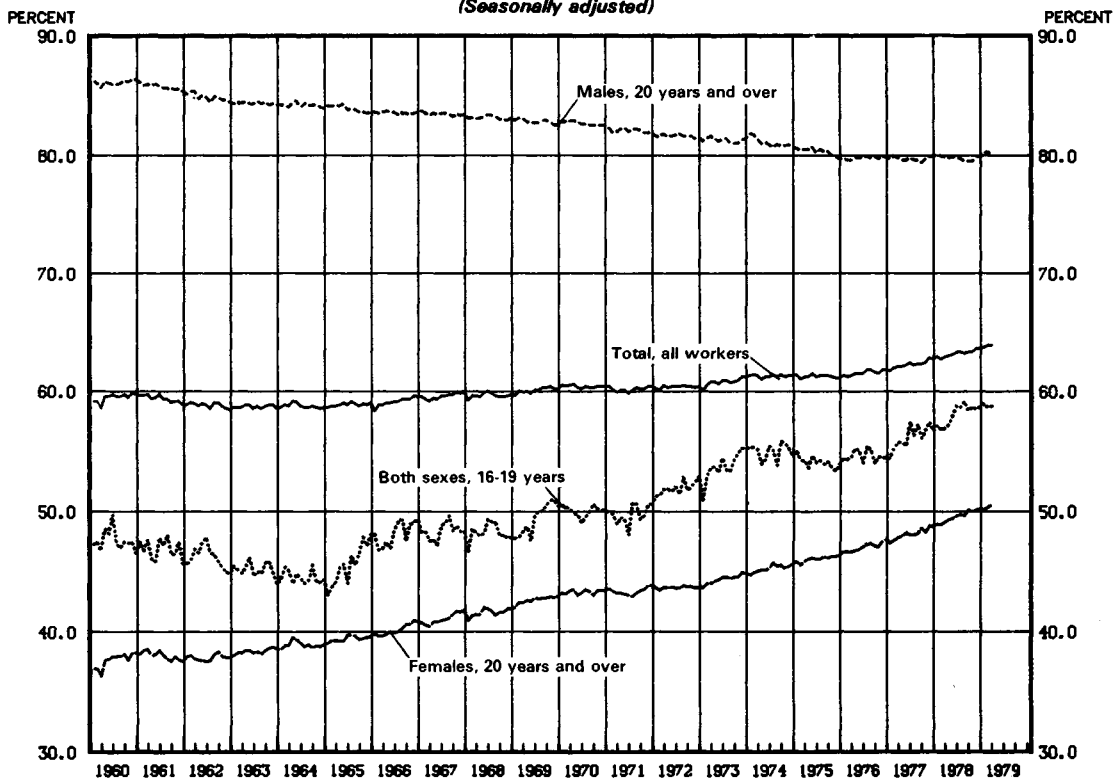
(Seasonally adjusted)



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

Chart 3. Civilian labor force participation rates by sex and age

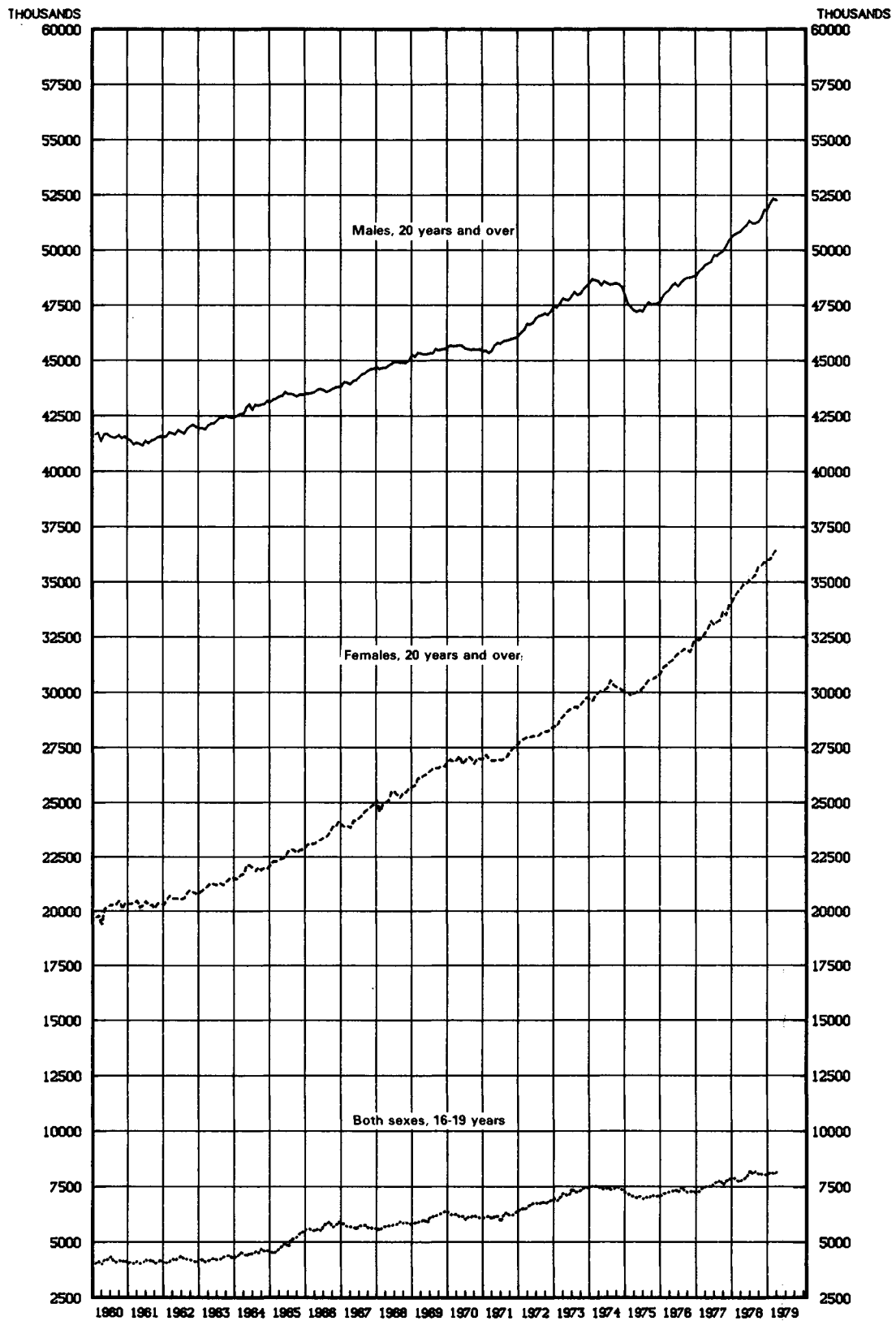
(Seasonally adjusted)



SOURCE: Table A-33.

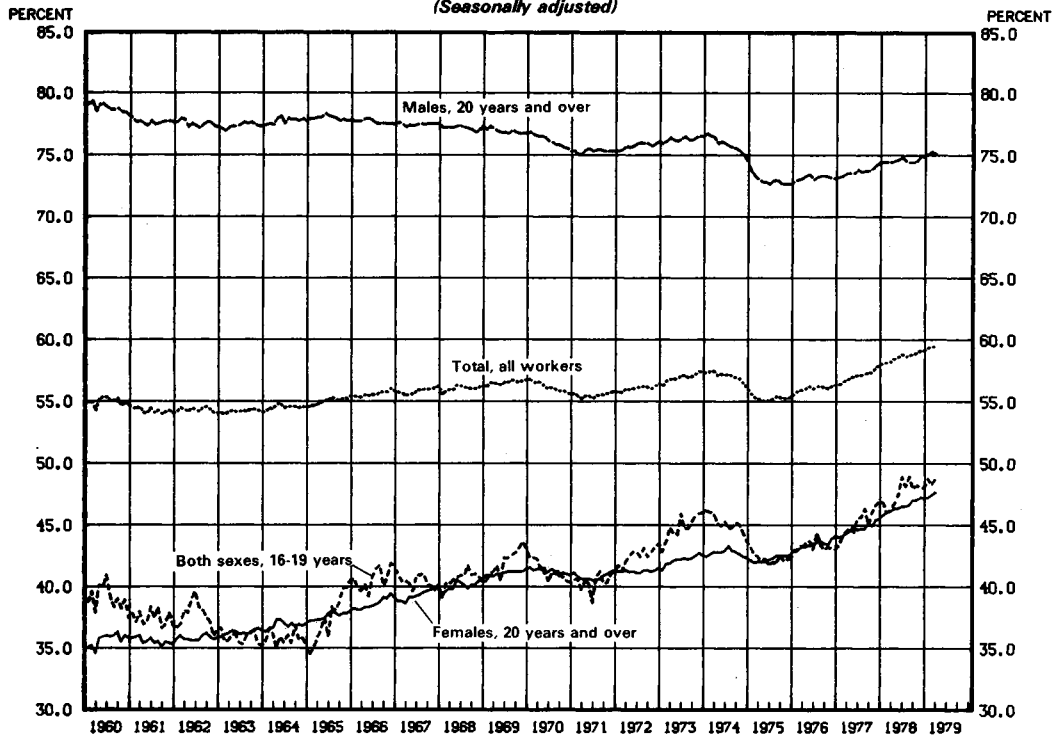
Chart 4. Total employment by sex and age

(Seasonally adjusted)



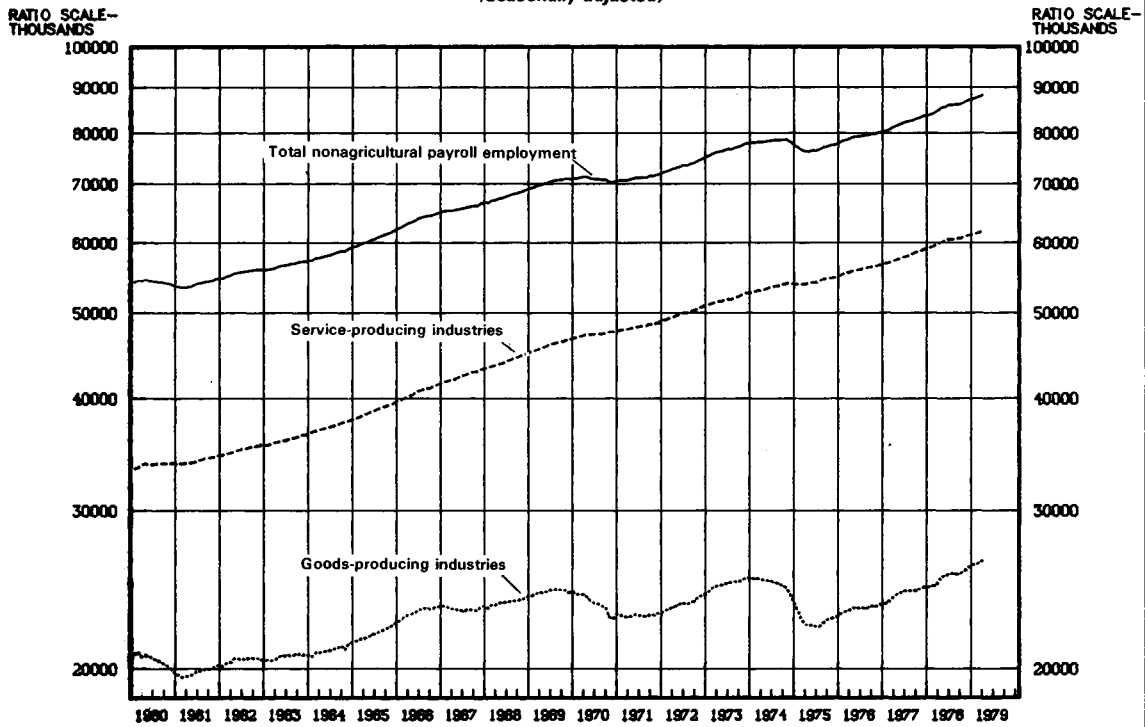
SOURCE: Table A-33.

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)

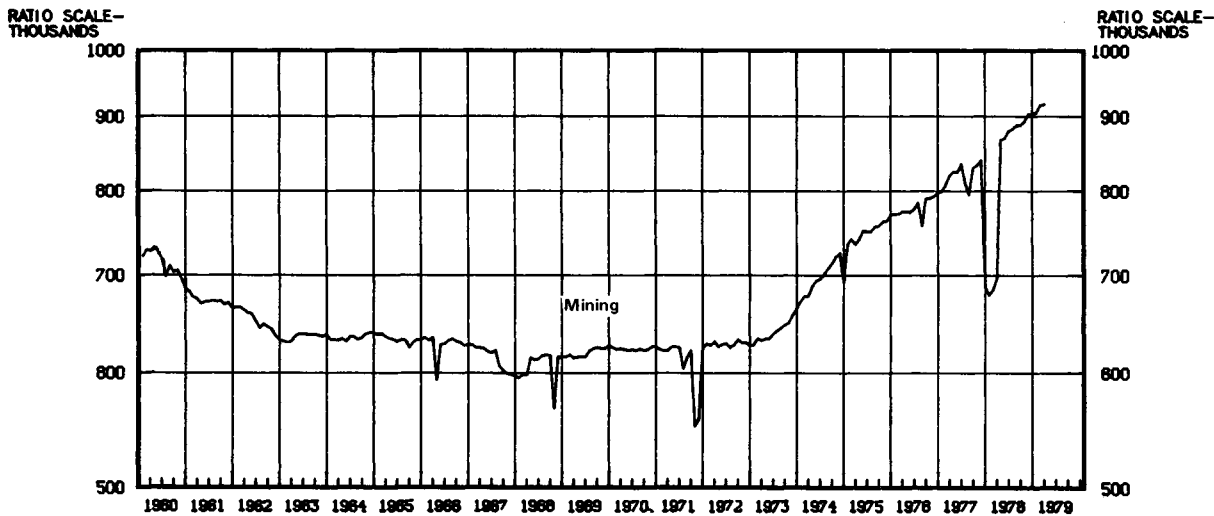
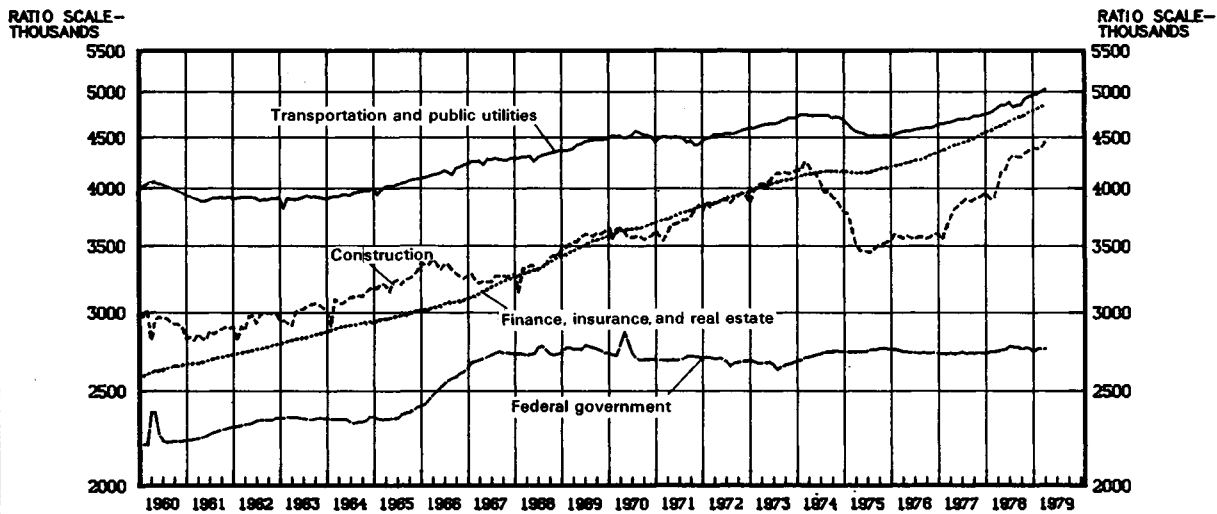
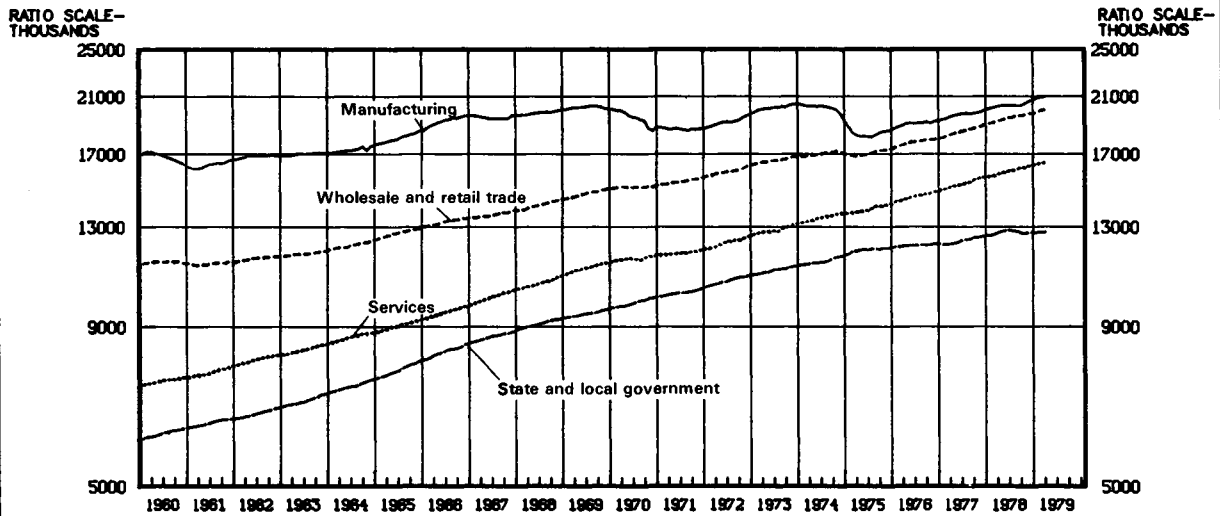


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 7. Nonagricultural payroll employment by industry

(Seasonally adjusted)

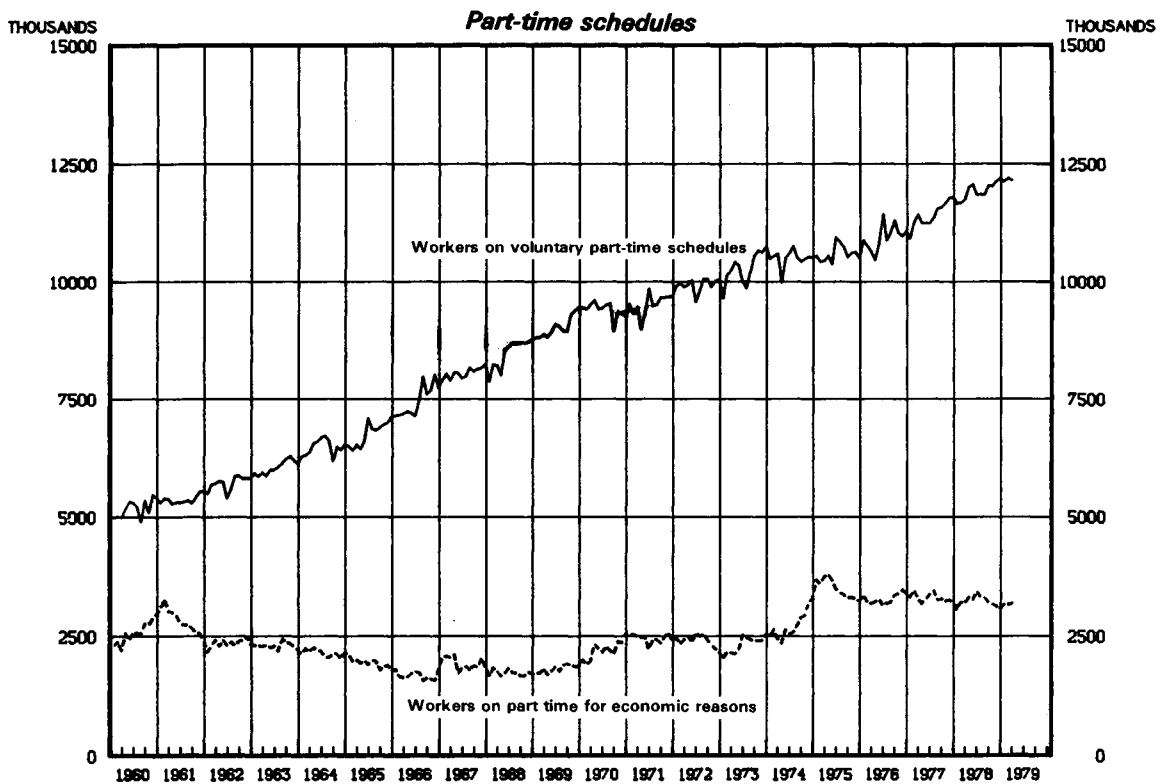
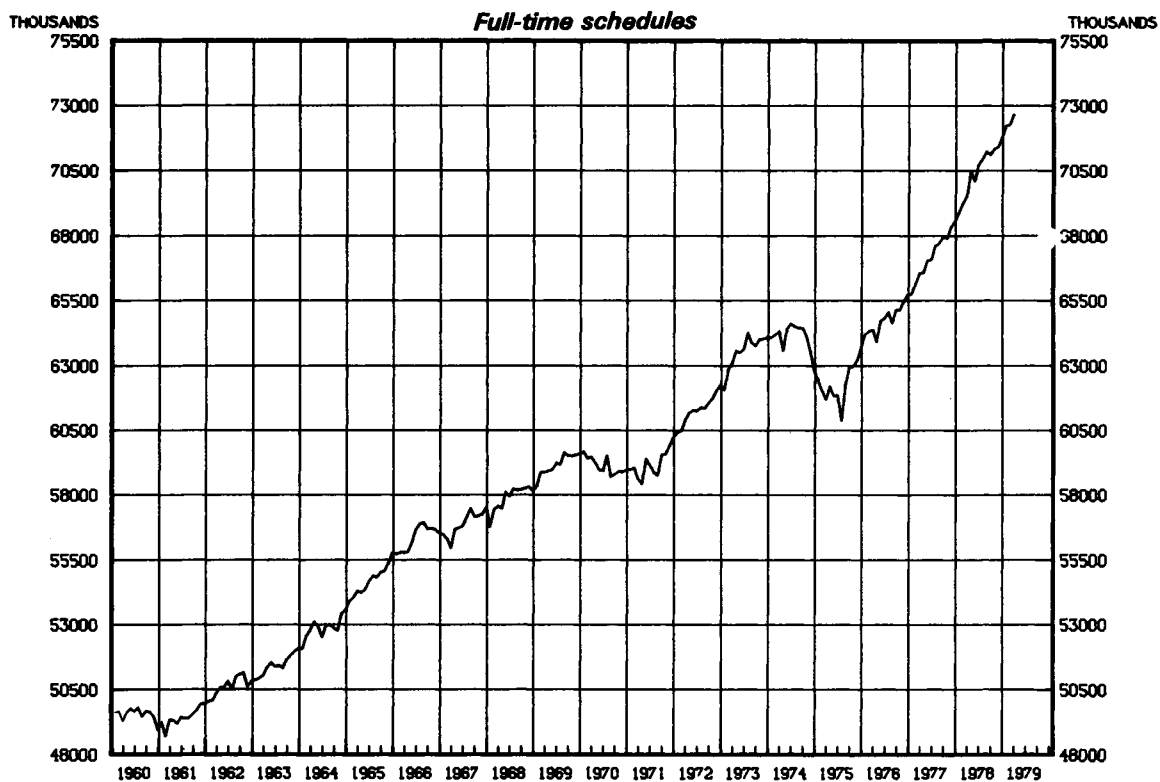


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

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

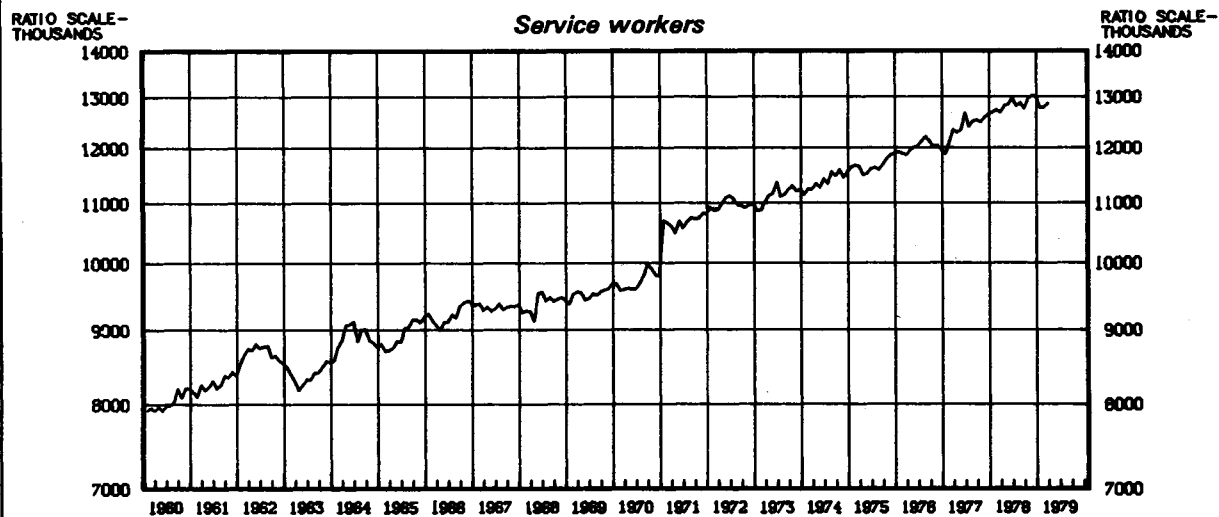
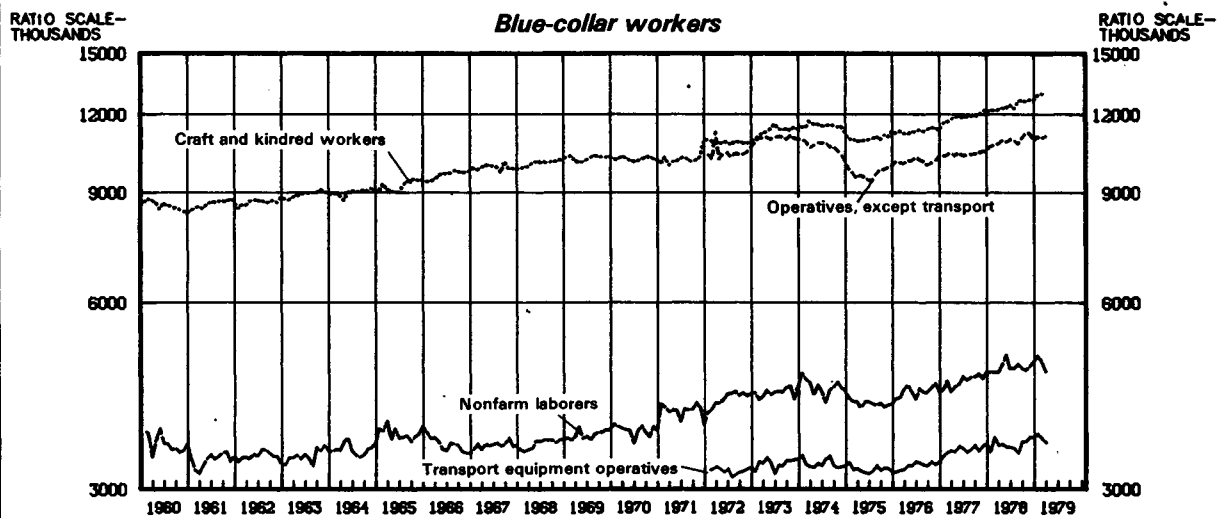
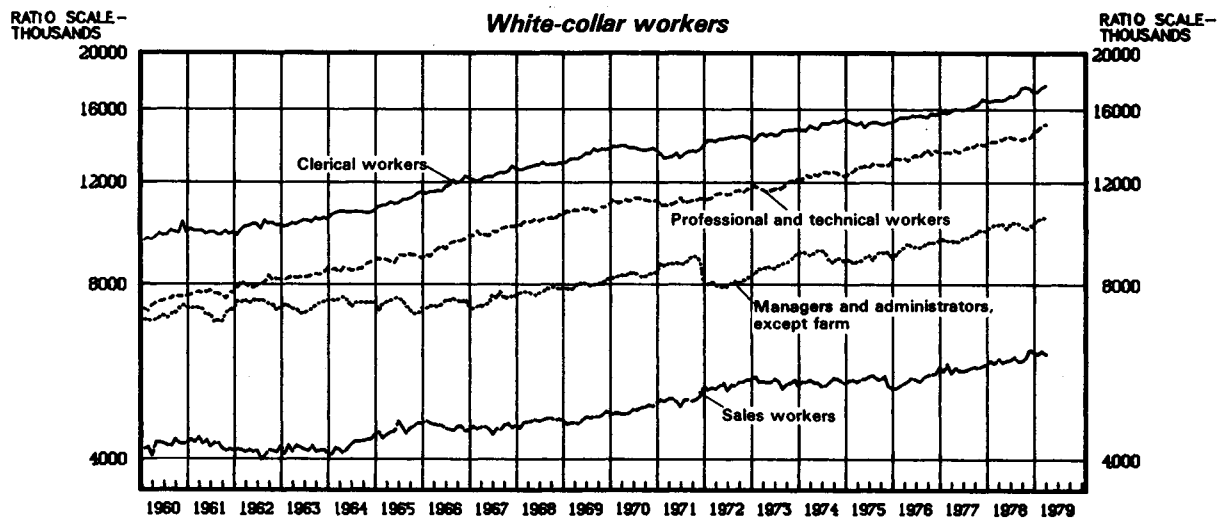
(Seasonally adjusted)



SOURCE: Table A-42.

Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)

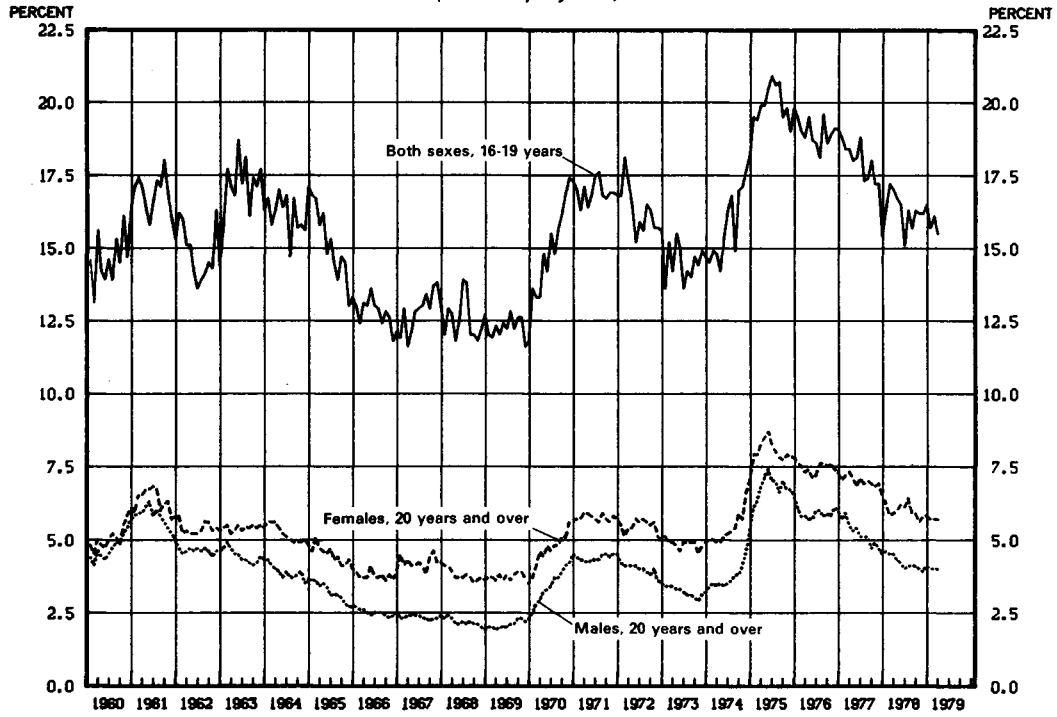


NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age

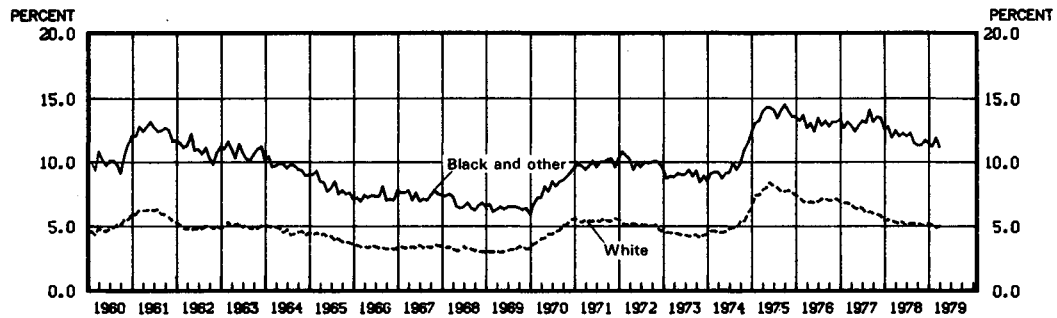
(Seasonally adjusted)



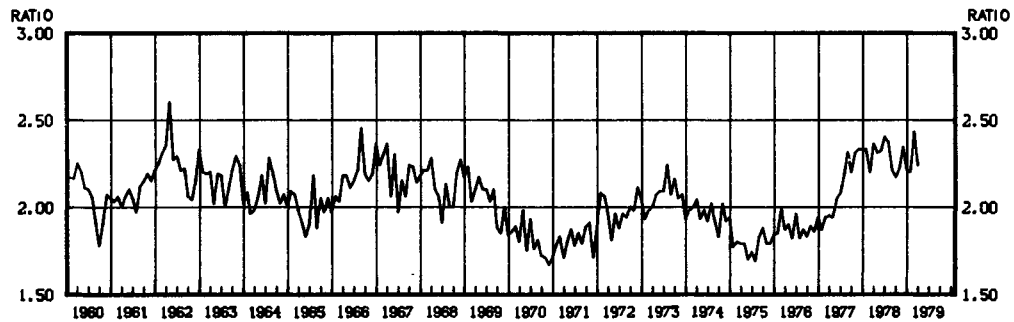
SOURCE: Table A-36.

Chart 11. Unemployment rates by race

(Seasonally adjusted)



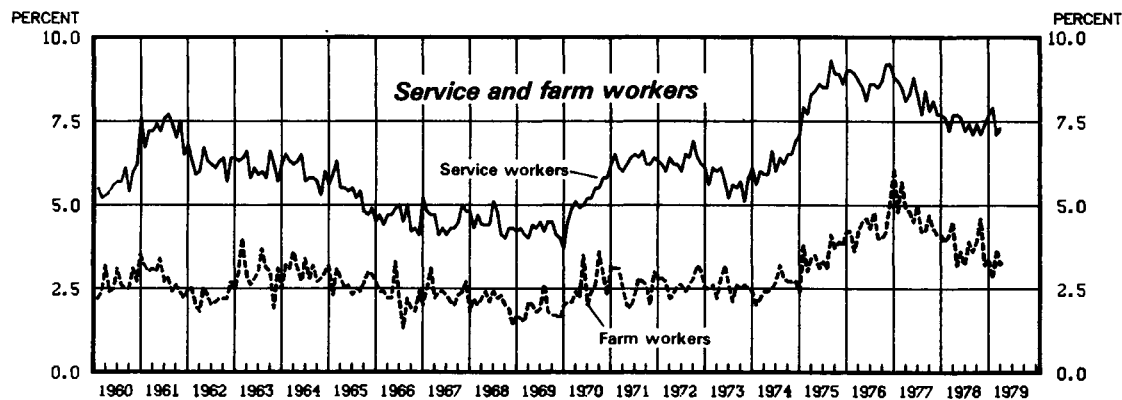
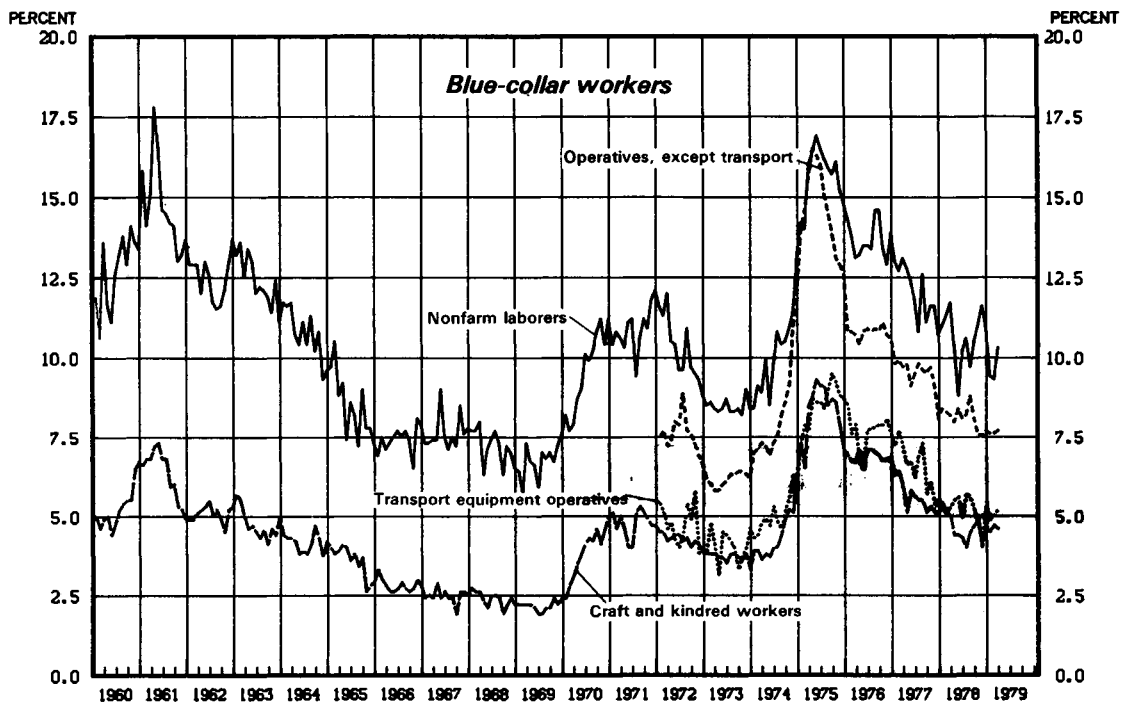
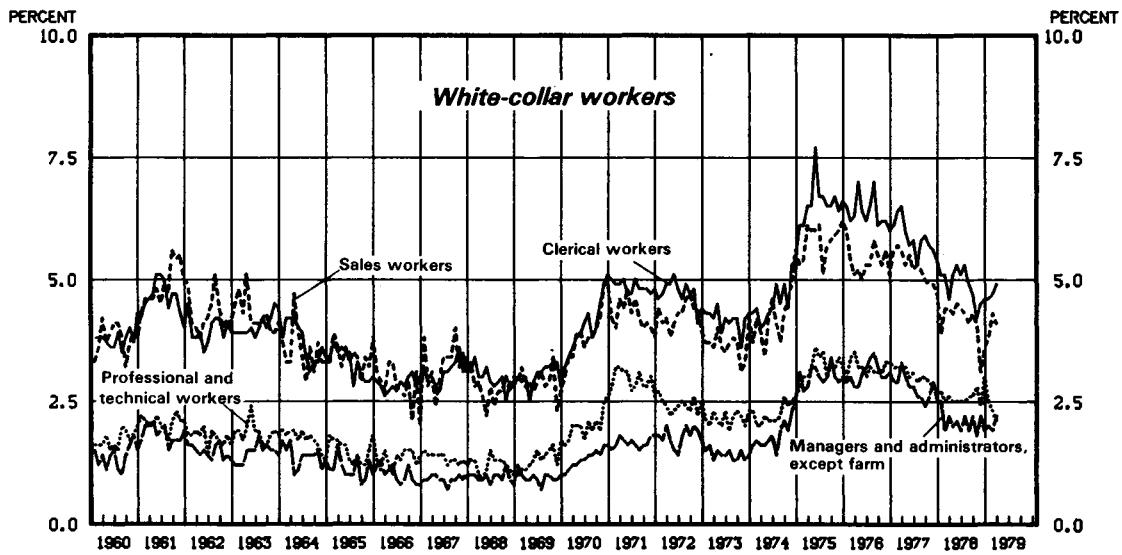
Ratio of black to white unemployment rate



SOURCE: Table A-36.

Chart 12. Unemployment rates by major occupational groups

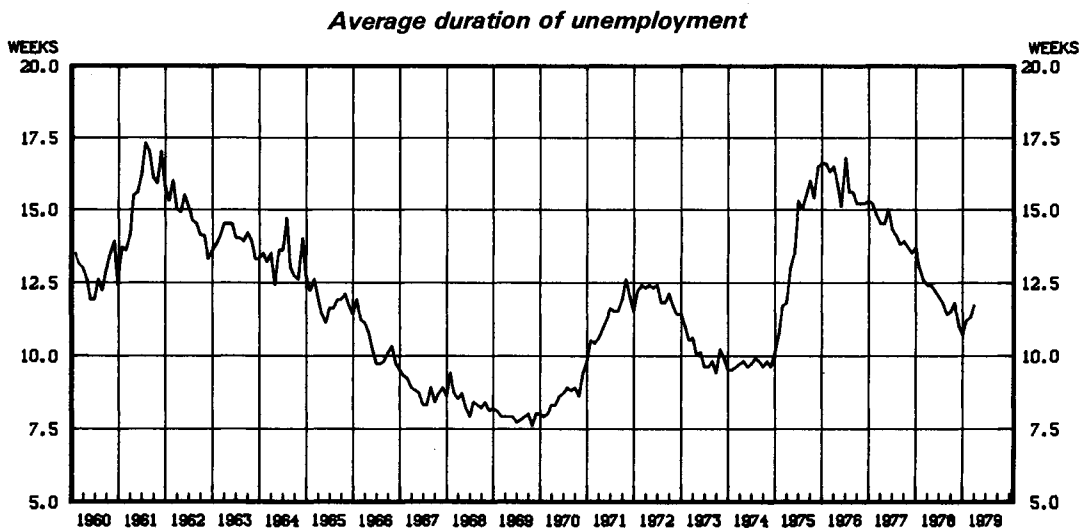
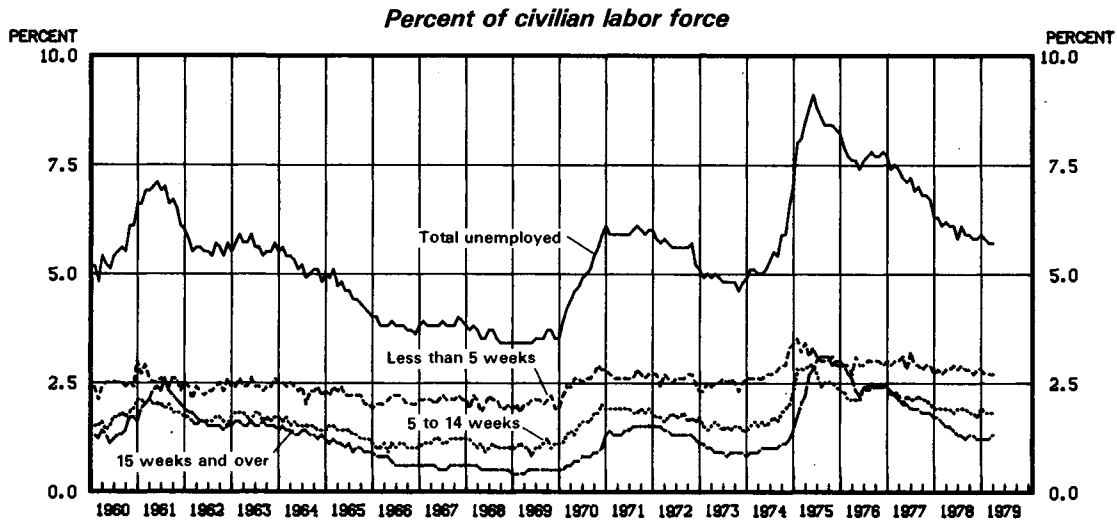
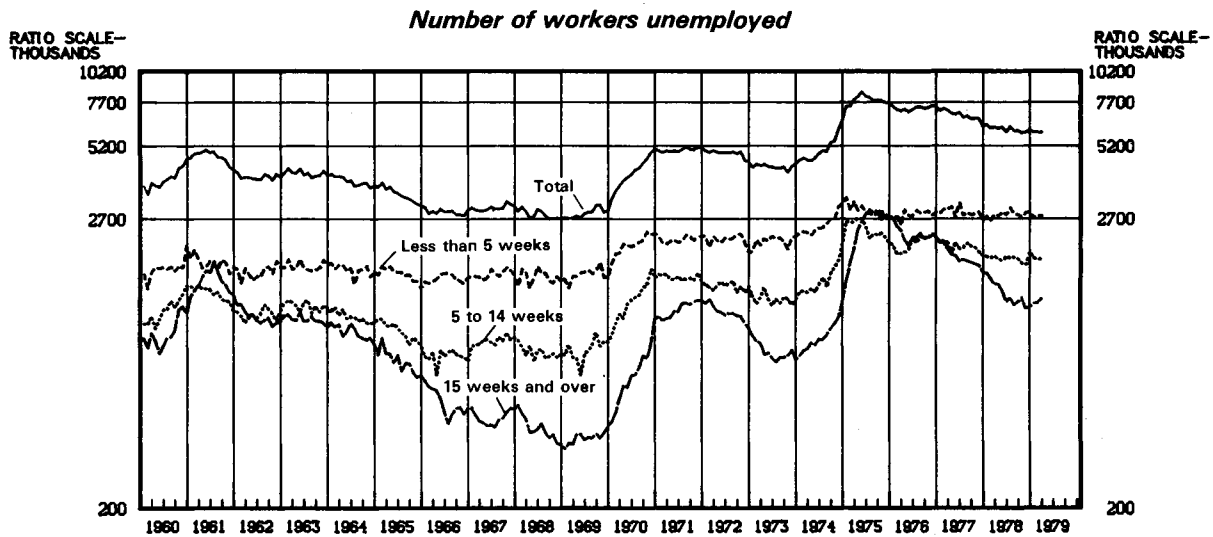
(Seasonally adjusted)



SOURCE: Table A-38.

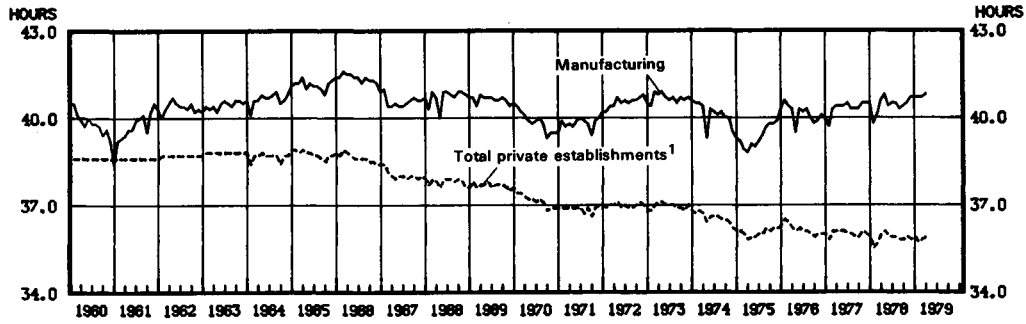
Chart 13. Duration of unemployment

(Seasonally adjusted)

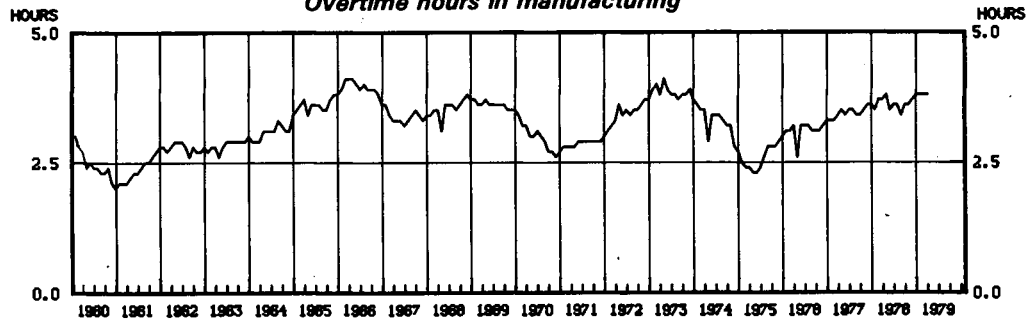


SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries
(Seasonally adjusted)



Overtime hours in manufacturing

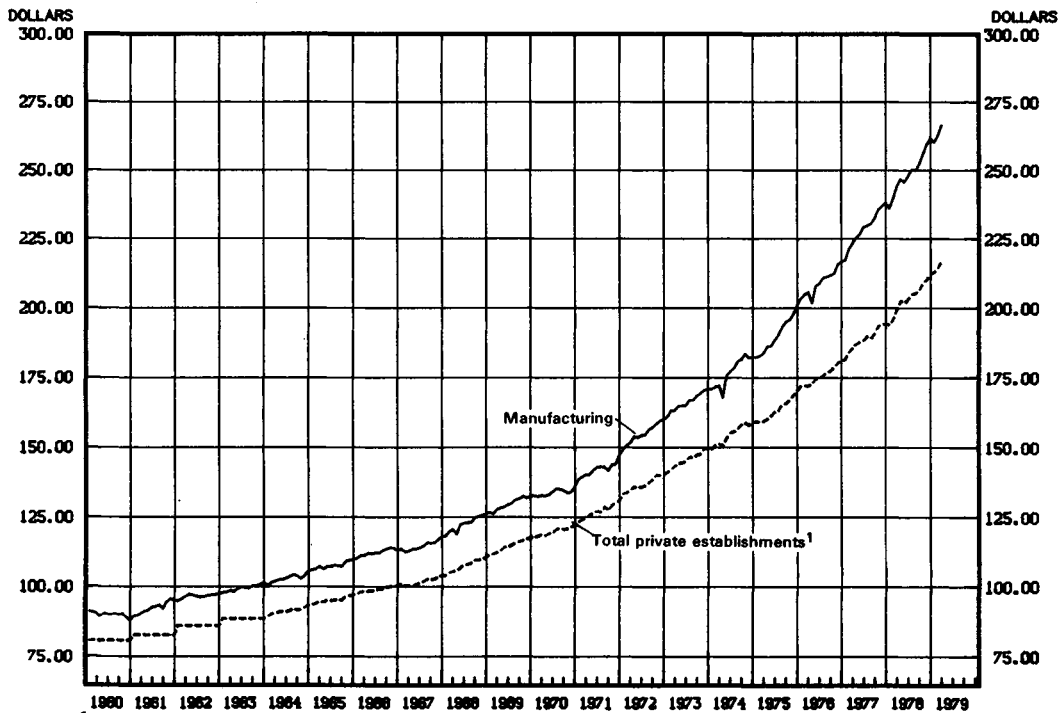


¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries
(Seasonally adjusted)



¹Annual 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)

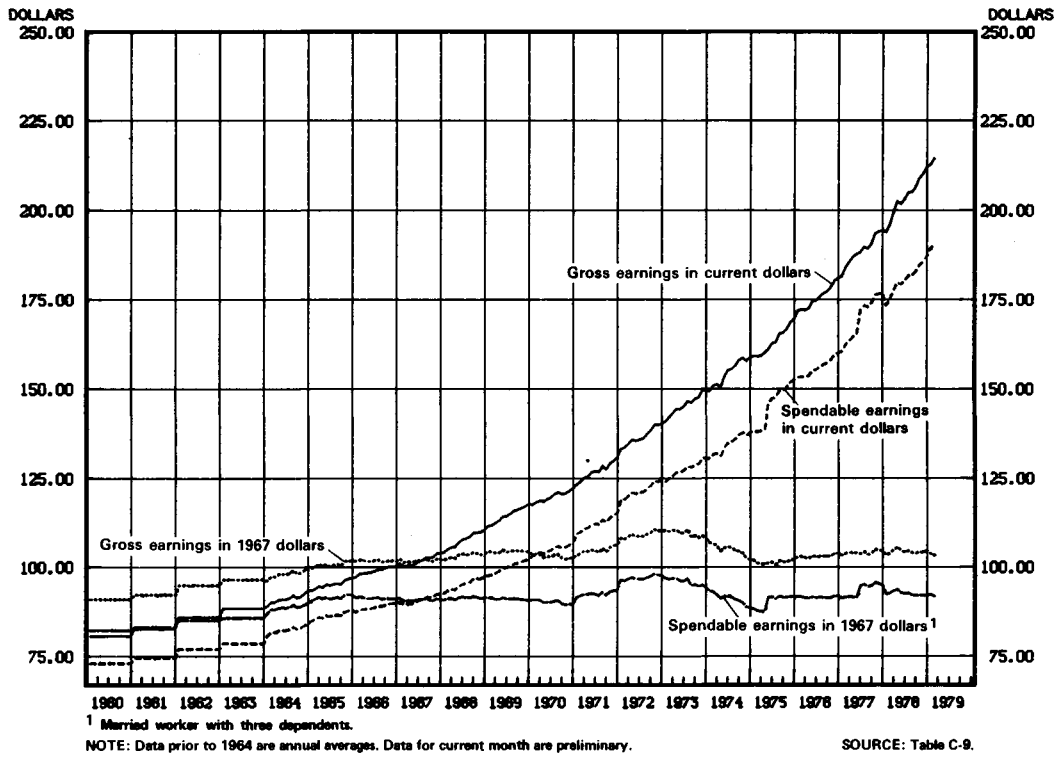
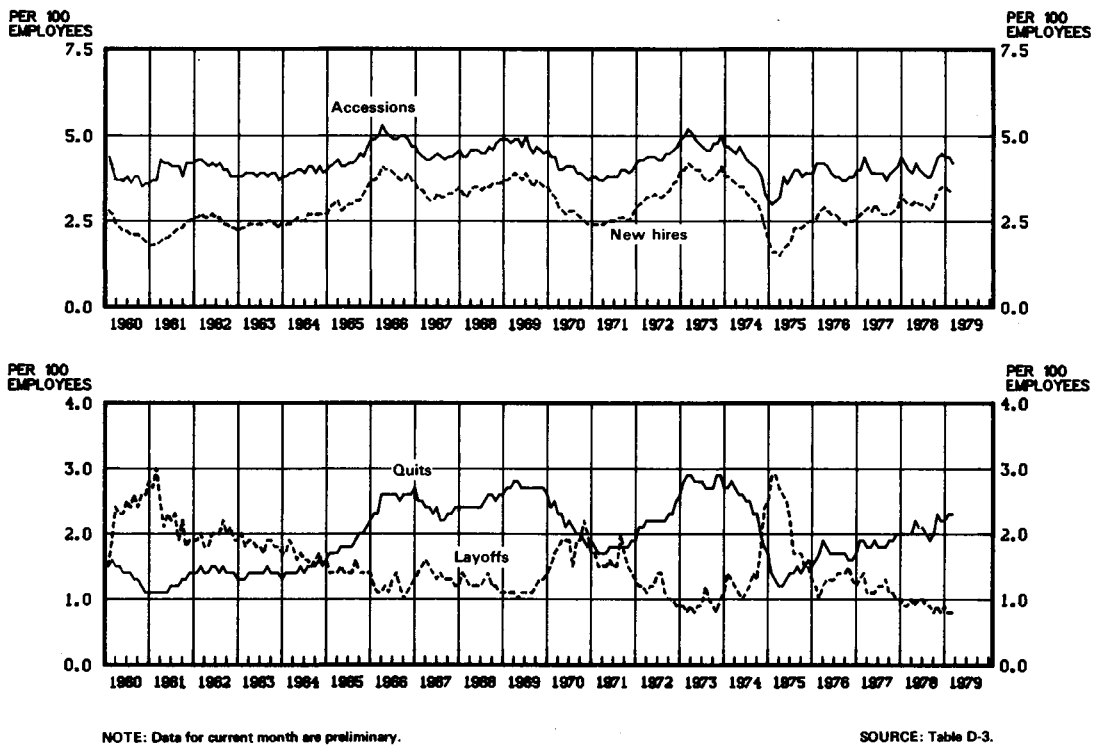


Chart 17. Labor turnover rates in manufacturing
(Seasonally adjusted)



**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
TOTAL										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953.....	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ¹	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973.....	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 ¹	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
Monthly data, seasonally adjusted ²										
1978:										
March....	160,313	101,557	63.3	99,435	93,282	3,334	89,948	6,153	6.2	58,755
April....	160,504	101,885	63.5	99,767	93,704	3,274	90,430	6,063	6.1	58,619
May.....	160,713	102,222	63.6	100,109	93,953	3,243	90,710	6,156	6.1	58,492
June.....	160,928	102,602	63.8	100,504	94,640	3,424	91,216	5,864	5.8	58,326
July.....	161,148	102,738	63.8	100,622	94,446	3,377	91,069	6,176	6.1	58,410
August....	161,348	102,785	63.7	100,663	94,723	3,351	91,372	5,940	5.9	58,563
September	161,570	103,097	63.8	100,974	95,010	3,406	91,604	5,964	5.9	58,473
October..	161,829	103,199	63.8	101,077	95,241	3,374	91,867	5,836	5.8	58,630
November	162,033	103,745	64.0	101,628	95,751	3,275	92,476	5,877	5.8	58,288
December	162,250	103,975	64.1	101,867	95,855	3,387	92,468	6,012	5.9	58,275
1979:										
January..	162,448	104,277	64.2	102,183	96,300	3,232	93,068	5,883	5.8	58,170
February	162,633	104,621	64.3	102,527	96,647	3,311	93,335	5,881	5.7	58,012
March....	162,909	104,804	64.3	102,714	96,842	3,343	93,499	5,871	5.7	58,105

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

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

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1967 to date

[Numbers in thousands]

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force					Not in labor force	
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number		Percent of labor force
Annual averages										
MALES										
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977 ¹	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 ¹	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
Monthly data, seasonally adjusted²										
1978:										
March....	76,811	60,278	78.5	58,277	55,042	2,641	52,401	3,235	5.6	16,533
April....	76,901	60,277	78.4	58,280	55,184	2,598	52,586	3,096	5.3	16,624
May.....	77,000	60,396	78.4	58,404	55,372	2,636	52,736	3,032	5.2	16,604
June.....	77,102	60,555	78.5	58,582	55,766	2,745	53,021	2,816	4.8	16,546
July.....	77,206	60,492	78.4	58,502	55,531	2,718	52,813	2,971	5.1	16,715
August....	77,301	60,510	78.3	58,517	55,580	2,695	52,885	2,937	5.0	16,792
September	77,407	60,552	78.2	58,559	55,594	2,739	52,855	2,965	5.1	16,855
October..	77,546	60,717	78.3	58,725	55,754	2,707	53,047	2,971	5.1	16,829
November.	77,643	61,006	78.6	59,019	56,096	2,614	53,482	2,923	5.0	16,636
December.	77,746	61,095	78.6	59,116	56,072	2,702	53,370	3,044	5.1	16,651
1979:										
January..	77,839	61,438	78.9	59,475	56,449	2,596	53,654	3,026	5.1	16,401
February.	77,926	61,501	78.9	59,538	56,549	2,649	53,900	2,989	5.0	16,425
March....	78,058	61,515	78.8	59,560	56,559	2,656	53,903	3,001	5.0	16,543
Annual averages										
FEMALES										
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977 ¹	82,577	40,067	48.5	39,952	36,885	605	36,080	3,267	8.2	42,510
1978 ¹	83,890	42,002	50.1	41,878	38,882	661	38,221	2,996	7.2	41,887
Monthly data, seasonally adjusted²										
1978:										
March....	83,501	41,280	49.4	41,158	38,240	693	37,547	2,918	7.1	42,222
April....	83,603	41,608	49.8	41,487	38,520	676	37,844	2,967	7.2	41,995
May.....	83,714	41,826	50.0	41,705	38,581	607	37,974	3,124	7.5	41,888
June.....	83,826	42,047	50.2	41,922	38,874	679	38,195	3,048	7.3	41,779
July.....	83,941	42,246	50.3	42,120	38,915	659	38,256	3,205	7.6	41,695
August....	84,047	42,276	50.3	42,146	39,143	656	38,487	3,003	7.1	41,772
September	84,162	42,545	50.6	42,415	39,416	667	38,749	2,999	7.1	41,618
October..	84,283	42,482	50.4	42,352	39,487	667	38,820	2,865	6.8	41,801
November.	84,390	42,738	50.6	42,609	39,655	661	38,994	2,954	6.9	41,652
December.	84,504	42,880	50.7	42,751	39,783	685	39,098	2,968	6.9	41,624
1979:										
January..	84,608	42,840	50.6	42,708	39,851	636	39,214	2,857	6.7	41,769
February.	84,707	43,121	50.9	42,989	40,098	663	39,435	2,891	6.7	41,587
March....	84,851	43,289	51.0	43,153	40,283	687	39,596	2,870	6.7	41,563

¹ See footnote 1, table A-1.

² See footnote 2, table A-1.

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	March 1979										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	60,638	77.7	58,683	55,347	3,336	5.7	17,420	314	4,548	1,916	10,641
16 to 21 years	8,371	65.7	7,715	6,569	1,146	14.8	4,365	15	3,782	22	546
16 to 19 years	4,961	58.7	4,679	3,861	818	17.5	3,485	10	3,094	9	372
16 to 17 years	1,973	47.1	1,961	1,532	429	21.9	2,216	9	2,045	6	156
18 to 19 years	2,987	70.2	2,718	2,329	389	14.3	1,270	2	1,049	3	216
20 to 64 years	53,771	89.5	52,098	49,669	2,430	4.7	6,283	145	1,450	1,378	3,310
20 to 24 years	8,751	85.6	8,003	7,231	773	9.7	1,476	14	1,108	44	310
25 to 54 years	37,884	94.5	36,959	35,523	1,437	3.9	2,190	86	337	679	1,088
25 to 29 years	8,500	94.5	8,135	7,645	490	6.0	494	11	218	53	212
30 to 34 years	7,691	96.1	7,446	7,159	287	3.9	316	8	61	78	169
35 to 39 years	6,282	96.7	6,090	5,903	187	3.1	214	12	20	79	104
40 to 44 years	5,255	95.2	5,169	5,019	150	2.9	264	13	18	97	135
45 to 49 years	5,101	93.8	5,071	4,917	155	3.1	339	23	16	117	183
50 to 54 years	5,055	90.0	5,049	4,881	168	3.3	563	20	4	254	286
55 to 64 years	7,136	73.2	7,135	6,914	221	3.1	2,617	45	6	654	1,912
55 to 59 years	4,368	81.7	4,367	4,241	126	2.9	980	16	3	334	627
60 to 64 years	2,769	62.8	2,768	2,673	95	3.4	1,637	29	3	320	1,285
65 years and over	1,906	19.9	1,906	1,818	88	4.6	7,651	159	5	529	6,959
65 to 69 years	1,123	29.7	1,123	1,052	70	6.3	2,662	40	2	234	2,387
70 years and over	783	13.6	783	766	17	2.2	4,989	119	3	295	4,572
White											
16 years and over	53,888	78.4	52,337	49,741	2,597	5.0	14,883	240	3,708	1,529	9,406
16 to 21 years	7,307	67.5	6,800	5,917	883	13.0	3,521	9	3,073	14	426
16 to 19 years	4,387	61.3	4,169	3,520	649	15.6	2,770	7	2,464	7	292
16 to 17 years	1,781	50.4	1,771	1,424	347	19.6	1,751	5	1,612	6	127
18 to 19 years	2,606	71.9	2,398	2,096	303	12.6	1,019	2	851	1	165
20 to 64 years	47,776	90.1	46,442	44,570	1,873	4.0	5,231	106	1,240	1,085	2,801
20 to 24 years	7,558	85.9	6,983	6,425	558	8.0	1,241	9	968	31	234
25 to 54 years	33,695	95.2	32,938	31,802	1,136	3.4	1,693	66	267	527	833
25 to 29 years	14,326	95.9	13,835	13,239	596	4.3	606	18	224	96	268
30 to 34 years	10,273	96.6	10,039	9,766	273	2.7	360	16	26	138	180
35 to 44 years	9,096	92.6	9,064	8,797	267	2.9	726	32	17	293	384
55 to 64 years	6,523	74.0	6,522	6,343	180	2.8	2,298	31	6	527	1,734
55 to 59 years	3,992	82.8	3,991	3,890	101	2.5	828	9	3	267	549
60 to 64 years	2,531	63.3	2,531	2,453	78	3.1	1,469	22	3	259	1,185
65 years and over	1,726	20.0	1,726	1,651	74	4.3	6,882	127	5	437	6,313
Black and other											
16 years and over	6,750	72.7	6,346	5,607	739	11.6	2,537	74	840	387	1,236
16 to 21 years	1,064	55.8	915	652	263	28.7	844	6	709	8	121
16 to 19 years	574	44.5	510	341	169	33.1	715	3	630	2	80
16 to 17 years	192	29.3	191	108	83	43.3	465	3	433	--	29
18 to 19 years	382	60.4	319	233	86	27.0	250	--	197	2	51
20 to 64 years	5,996	85.1	5,656	5,099	558	9.9	1,051	39	210	293	509
20 to 24 years	1,193	83.6	1,021	806	215	21.0	235	5	140	13	76
25 to 54 years	4,190	89.4	4,022	3,721	302	7.5	497	20	70	152	255
25 to 29 years	1,865	90.2	1,747	1,565	182	10.4	204	1	55	36	112
30 to 34 years	1,264	91.5	1,219	1,155	64	5.3	118	9	12	38	58
35 to 44 years	1,060	85.7	1,056	1,001	55	5.2	176	11	3	78	85
55 to 64 years	613	65.7	613	572	41	6.7	320	14	--	128	178
55 to 59 years	375	71.2	375	351	24	6.5	152	7	--	67	78
60 to 64 years	238	58.6	238	221	17	7.1	168	7	--	61	100
65 years and over	180	19.0	180	167	13	7.4	770	32	--	92	646

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

(Numbers in thousands)

Sex, age, and race	March 1979										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	43,118	50.8	42,982	40,153	2,829	6.6	41,733	31,621	4,413	1,287	4,413
16 to 21 years	7,020	56.3	6,967	6,043	923	13.3	5,456	1,271	3,707	35	443
16 to 19 years	4,215	51.0	4,193	3,561	631	15.1	4,047	568	3,176	21	282
16 to 17 years	1,711	42.2	1,711	1,401	309	18.1	2,345	141	2,084	5	115
18 to 19 years	2,504	59.5	2,482	2,160	322	13.0	1,702	427	1,092	15	168
20 to 64 years	37,719	59.9	37,607	35,459	2,147	5.7	25,238	21,660	1,230	581	1,768
20 to 24 years	7,042	69.0	6,973	6,309	664	9.5	3,169	2,010	818	31	311
25 to 54 years	26,022	62.2	25,978	24,656	1,322	5.1	15,828	14,299	404	308	818
25 to 29 years	6,036	65.9	6,006	5,595	411	6.8	3,124	2,788	168	24	143
30 to 34 years	5,011	61.0	5,003	4,733	270	5.4	3,203	2,920	104	39	141
35 to 39 years	4,342	63.5	4,339	4,137	202	4.6	2,492	2,273	75	35	110
40 to 44 years	3,721	63.7	3,720	3,561	159	4.3	2,122	1,937	27	43	114
45 to 49 years	3,480	60.7	3,479	3,345	135	3.9	2,258	2,049	26	57	126
50 to 54 years	3,431	56.6	3,431	3,285	146	4.2	2,629	2,332	4	110	183
55 to 64 years	4,655	42.7	4,655	4,493	162	3.5	6,241	5,351	8	242	640
55 to 59 years	2,909	49.5	2,909	2,798	111	3.8	2,970	2,574	4	122	270
60 to 64 years	1,747	34.8	1,747	1,696	51	2.9	3,271	2,777	4	120	370
65 years and over	1,183	8.7	1,183	1,133	50	4.2	12,448	9,393	7	685	2,363
65 to 69 years	753	15.9	753	709	44	5.8	3,975	3,187	4	143	641
70 years and over	430	4.8	430	424	6	1.5	8,473	6,206	3	542	1,722
White											
16 years and over	37,326	50.5	37,220	35,030	2,191	5.9	36,623	28,320	3,511	583	3,809
16 to 21 years	6,220	59.2	6,178	5,470	708	11.5	4,295	997	2,945	23	326
16 to 19 years	3,786	54.5	3,769	3,265	504	13.4	3,163	430	2,516	12	206
16 to 17 years	1,560	45.9	1,560	1,306	253	16.2	1,841	104	1,649	3	86
18 to 19 years	2,226	62.7	2,209	1,958	251	11.3	1,322	326	867	9	120
20 to 64 years	32,516	59.5	32,429	30,776	1,652	5.1	22,128	19,211	989	439	1,489
20 to 24 years	6,063	70.1	6,009	5,540	469	7.8	2,581	1,657	655	27	238
25 to 54 years	22,301	61.6	22,267	21,225	1,043	4.7	13,905	12,686	321	223	674
25 to 29 years	9,369	62.9	9,339	8,831	508	5.4	5,523	5,036	208	46	233
30 to 34 years	6,898	62.9	6,895	6,602	293	4.2	4,066	3,730	85	62	189
35 to 44 years	6,034	58.3	6,033	5,792	241	4.0	4,316	3,920	28	115	252
55 to 64 years	4,152	42.4	4,152	4,011	141	3.4	5,642	4,868	8	189	576
55 to 59 years	2,584	49.1	2,584	2,491	92	3.6	2,681	2,347	4	92	238
60 to 64 years	1,568	34.6	1,568	1,520	49	3.1	2,961	2,521	4	97	338
65 years and over	1,023	8.3	1,023	989	35	3.4	11,332	8,679	6	532	2,115
Black and other											
16 years and over	5,792	53.1	5,762	5,124	638	11.1	5,111	3,301	902	303	604
16 to 21 years	800	40.8	788	573	215	27.3	1,161	274	758	12	117
16 to 19 years	429	32.7	424	297	127	30.0	884	138	660	9	77
16 to 17 years	151	23.1	151	95	56	37.1	505	37	436	3	29
18 to 19 years	278	42.2	273	202	71	26.1	380	101	224	6	48
20 to 64 years	5,203	62.6	5,178	4,683	495	9.6	3,112	2,449	241	142	279
20 to 24 years	979	62.4	964	769	195	20.2	589	353	159	4	73
25 to 54 years	3,721	65.9	3,711	3,432	279	7.5	1,923	1,613	82	84	143
25 to 29 years	1,678	67.6	1,669	1,497	173	10.3	804	672	64	17	52
30 to 34 years	1,165	68.0	1,165	1,097	68	5.8	549	480	17	17	35
35 to 44 years	877	60.6	877	838	39	4.4	571	461	2	51	57
55 to 64 years	503	45.7	503	482	21	4.2	599	483	--	53	64
55 to 59 years	325	53.0	325	306	19	5.9	289	227	--	30	32
60 to 64 years	178	36.5	178	176	2	1.1	311	256	--	23	32
65 years and over	160	12.5	160	144	15	9.6	1,115	714	1	153	248

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
MALES								
16 years and over	59,470	60,638	77.4	77.7	57,470	58,683	76.8	77.1
16 to 19 years	4,917	4,961	58.0	58.7	4,599	4,679	56.3	57.3
16 to 17 years	1,953	1,973	46.0	47.1	1,934	1,961	45.8	47.0
18 to 19 years	2,965	2,987	69.9	70.2	2,665	2,718	67.6	68.2
20 to 24 years	8,573	8,751	85.1	85.6	7,831	8,003	83.9	84.4
25 to 54 years	37,068	37,884	94.3	94.5	36,129	36,959	94.1	94.4
25 to 34 years	15,728	16,191	95.2	95.2	15,110	15,581	95.1	95.1
35 to 44 years	11,152	11,537	95.7	96.0	10,869	11,259	95.6	95.9
45 to 54 years	10,188	10,156	91.3	91.8	10,149	10,120	91.3	91.8
55 to 64 years	7,055	7,136	73.4	73.2	7,054	7,135	73.4	73.2
55 to 59 years	4,375	4,368	83.0	81.7	4,373	4,367	83.0	81.7
60 to 64 years	2,680	2,769	61.8	62.8	2,680	2,768	61.8	62.8
65 years and over	1,857	1,906	19.9	19.9	1,857	1,906	19.9	19.9
White								
16 years and over	52,940	53,888	78.1	78.4	51,320	52,337	77.6	77.9
16 to 19 years	4,356	4,387	60.4	61.3	4,102	4,169	59.0	60.1
16 to 17 years	1,769	1,781	49.3	50.4	1,753	1,771	49.1	50.3
18 to 19 years	2,587	2,606	71.5	71.9	2,350	2,398	69.5	70.2
20 to 24 years	7,463	7,558	85.9	85.9	6,879	6,983	84.8	84.9
25 to 54 years	33,003	33,695	94.9	95.2	32,222	32,938	94.8	95.1
25 to 34 years	13,929	14,326	95.8	95.9	13,422	13,835	95.6	95.8
35 to 44 years	9,924	10,273	96.3	96.6	9,685	10,039	96.2	96.5
45 to 54 years	9,150	9,096	92.1	92.6	9,116	9,064	92.1	92.6
55 to 64 years	6,444	6,523	74.1	74.0	6,443	6,522	74.1	73.9
55 to 59 years	3,995	3,992	84.0	82.8	3,994	3,991	84.0	82.8
60 to 64 years	2,450	2,531	62.1	63.3	2,449	2,531	62.1	63.3
65 years and over	1,674	1,726	19.9	20.0	1,674	1,726	19.9	20.0
Black and other								
16 years and over	6,531	6,750	72.4	72.7	6,149	6,346	71.2	71.4
16 to 19 years	562	574	44.0	44.5	497	510	41.0	41.6
16 to 17 years	184	192	28.1	29.3	181	191	27.8	29.1
18 to 19 years	378	382	60.6	60.4	316	319	56.3	56.0
20 to 24 years	1,110	1,193	80.4	83.6	952	1,021	77.8	81.3
25 to 54 years	4,065	4,190	89.7	89.4	3,907	4,022	89.3	89.0
25 to 34 years	1,799	1,865	91.4	90.2	1,689	1,747	90.8	89.6
35 to 44 years	1,228	1,264	91.4	91.5	1,184	1,219	91.1	91.2
45 to 54 years	1,038	1,060	85.1	85.7	1,034	1,056	85.1	85.7
55 to 64 years	611	613	67.2	65.7	611	613	67.2	65.7
55 to 59 years	380	375	73.9	71.2	380	375	73.9	71.2
60 to 64 years	231	238	58.5	58.6	231	238	58.5	58.6
65 years and over	183	180	19.8	19.0	183	180	19.8	19.0

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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. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
FEMALES								
16 years and over	41,095	43,118	49.2	50.8	40,974	42,982	49.1	50.7
16 to 19 years	4,010	4,215	48.3	51.0	3,991	4,193	48.2	50.9
16 to 17 years	1,574	1,711	38.3	42.2	1,574	1,711	38.3	42.2
18 to 19 years	2,436	2,504	58.0	59.5	2,418	2,482	57.9	59.3
20 to 24 years	6,656	7,042	66.2	69.0	6,592	6,973	66.0	68.8
25 to 54 years	24,825	26,022	60.4	62.2	24,788	25,978	60.4	62.1
25 to 34 years	10,469	11,048	62.0	63.6	10,435	11,009	61.9	63.5
35 to 44 years	7,596	8,063	61.8	63.6	7,593	8,059	61.8	63.6
45 to 54 years	6,761	6,911	56.7	58.6	6,760	6,910	56.7	58.6
55 to 64 years	4,484	4,655	41.7	42.7	4,484	4,655	41.7	42.7
55 to 59 years	2,821	2,909	48.7	49.5	2,820	2,909	48.7	49.5
60 to 64 years	1,663	1,747	33.6	34.8	1,663	1,747	33.6	34.8
65 years and over	1,120	1,183	8.4	8.7	1,120	1,183	8.4	8.7
White								
16 years and over	35,513	37,326	48.7	50.5	35,416	37,220	48.6	50.4
16 to 19 years	3,593	3,786	51.3	54.5	3,577	3,769	51.2	54.4
16 to 17 years	1,433	1,560	41.5	45.9	1,432	1,560	41.5	45.9
18 to 19 years	2,160	2,226	60.9	62.7	2,145	2,209	60.7	62.6
20 to 24 years	5,709	6,063	66.8	70.1	5,657	6,009	66.6	70.0
25 to 54 years	21,207	22,301	59.5	61.6	21,177	22,267	59.5	61.6
25 to 34 years	8,834	9,369	60.8	62.9	8,808	9,339	60.7	62.8
35 to 44 years	6,471	6,898	60.9	62.9	6,468	6,895	60.9	62.9
45 to 54 years	5,902	6,034	56.2	58.3	5,901	6,033	56.2	58.3
55 to 64 years	4,023	4,152	41.6	42.4	4,022	4,152	41.6	42.4
55 to 59 years	2,536	2,584	48.8	49.1	2,536	2,584	48.8	49.1
60 to 64 years	1,486	1,568	33.2	34.6	1,486	1,568	33.2	34.6
65 years and over	982	1,023	8.1	8.3	982	1,023	8.1	8.3
Black and other								
16 years and over	5,582	5,792	52.8	53.1	5,558	5,762	52.7	53.0
16 to 19 years	417	429	32.0	32.7	414	424	31.9	32.4
16 to 17 years	141	151	21.6	23.1	141	151	21.6	23.0
18 to 19 years	276	278	42.6	42.2	273	273	42.3	41.8
20 to 24 years	948	979	62.4	62.4	934	964	62.1	62.1
25 to 54 years	3,619	3,721	66.4	65.9	3,611	3,711	66.3	65.9
25 to 34 years	1,635	1,678	69.1	67.6	1,628	1,669	69.0	67.5
35 to 44 years	1,125	1,165	67.7	68.0	1,125	1,165	67.6	68.0
45 to 54 years	859	877	60.2	60.6	858	877	60.2	60.6
55 to 64 years	461	503	43.0	45.7	461	503	43.0	45.7
55 to 59 years	284	325	47.8	53.0	284	325	47.8	53.0
60 to 64 years	177	178	37.1	36.5	177	178	37.1	36.5
65 years and over	137	160	11.2	12.5	137	160	11.2	12.5

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex and age	March 1979						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
TOTAL							
16 years and over	10,269	9,004	236	8,768	1,264	12.3	6,645
16 to 19 years	799	531	11	520	268	33.5	1,429
16 to 17 years	286	164	5	160	121	42.4	872
18 to 19 years	513	366	6	360	147	28.6	557
20 to 24 years	1,715	1,332	21	1,311	383	22.3	691
25 to 54 years	6,512	5,981	136	5,846	531	8.2	2,012
25 to 34 years	2,855	2,527	41	2,486	328	11.5	799
35 to 44 years	2,023	1,900	64	1,836	123	6.1	569
45 to 54 years	1,635	1,554	30	1,524	80	4.9	644
55 to 64 years	949	891	42	849	58	6.1	848
55 to 59 years	586	546	20	525	40	6.8	402
60 to 64 years	363	346	22	324	17	4.8	446
65 years and over	294	269	26	242	25	8.6	1,665
Males							
16 years and over	5,369	4,687	210	4,476	682	12.7	2,218
16 to 19 years	447	291	10	281	156	34.9	630
16 to 17 years	162	87	5	82	74	45.7	419
18 to 19 years	285	203	5	199	62	28.8	211
20 to 24 years	880	683	16	667	198	22.5	187
25 to 54 years	3,376	3,100	124	2,977	277	8.2	433
25 to 34 years	1,447	1,279	37	1,243	168	11.6	167
35 to 44 years	1,036	975	60	915	60	5.8	106
45 to 54 years	895	845	26	819	48	5.4	159
55 to 64 years	514	475	35	439	39	7.6	305
55 to 59 years	310	286	18	267	23	7.4	144
60 to 64 years	204	189	17	172	15	7.4	160
65 years and over	151	138	24	113	13	8.6	664
Females							
16 years and over	4,900	4,317	26	4,292	582	11.9	4,427
16 to 19 years	352	240	1	239	112	31.8	799
16 to 17 years	124	77	--	78	47	37.7	453
18 to 19 years	228	163	1	161	65	28.7	346
20 to 24 years	835	649	5	644	185	22.2	504
25 to 54 years	3,136	2,881	12	2,869	254	8.1	1,579
25 to 34 years	1,408	1,248	4	1,243	160	11.4	632
35 to 44 years	987	925	4	921	63	6.3	463
45 to 54 years	740	709	4	705	32	4.3	485
55 to 64 years	435	416	7	410	19	4.3	543
55 to 59 years	276	260	2	258	17	6.1	258
60 to 64 years	159	157	5	152	2	1.2	286
65 years and over	143	131	2	129	12	8.4	1,001

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

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. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
TOTAL								
Total noninstitutional population	160,313	162,909	68,327	69,612	75,196	76,569	16,790	16,709
Total labor force	100,565	103,756	54,553	55,677	37,085	38,902	8,528	9,176
Percent of population	62.7	63.7	79.8	80.0	49.3	50.8	53.2	54.9
Civilian labor force	98,443	101,665	52,870	54,004	36,982	38,790	8,591	8,871
Employed	91,964	95,501	50,106	51,487	34,817	36,592	7,041	7,422
Agriculture	2,913	2,925	2,145	2,176	484	478	284	271
Nonagricultural industries	89,051	92,576	47,961	49,310	34,333	36,114	6,758	7,152
Unemployed	6,479	6,165	2,765	2,518	2,165	2,197	1,549	1,449
Percent of labor force	6.6	6.1	5.2	4.7	5.9	5.7	18.0	16.3
Not in labor force	59,747	59,153	13,774	13,934	38,111	37,686	7,862	7,533
White								
Total noninstitutional population	140,714	142,720	60,584	61,615	65,921	66,999	14,209	14,106
Total labor force	88,453	91,214	48,584	49,502	31,920	33,539	7,949	8,173
Percent of population	62.9	63.9	80.2	80.3	48.4	50.1	55.9	57.9
Civilian labor force	86,736	89,558	47,218	48,168	31,838	33,452	7,680	7,938
Employed	81,737	84,770	45,004	46,221	30,239	31,765	6,493	6,784
Agriculture	2,661	2,640	1,934	1,940	457	444	270	256
Nonagricultural industries	79,076	82,131	43,070	44,281	29,782	31,321	6,223	6,529
Unemployed	4,999	4,788	2,213	1,947	1,599	1,687	1,186	1,153
Percent of labor force	5.8	5.3	4.7	4.0	5.0	5.0	15.4	14.5
Not in labor force	52,261	51,506	11,999	12,113	34,001	33,460	6,261	5,933
Black and other								
Total noninstitutional population	19,599	20,189	7,744	7,997	9,275	9,590	2,560	2,603
Total labor force	12,113	12,541	5,969	6,176	5,165	5,363	979	1,003
Percent of population	61.8	62.1	77.1	77.2	55.7	55.9	38.0	38.5
Civilian labor force	11,707	12,108	5,653	5,836	5,144	5,338	911	934
Employed	10,227	10,731	5,101	5,266	4,578	4,827	548	638
Agriculture	252	285	211	236	27	34	14	15
Nonagricultural industries	9,975	10,446	4,891	5,029	4,550	4,793	534	623
Unemployed	1,480	1,377	551	571	566	510	363	296
Percent of labor force	12.6	11.4	9.8	9.8	11.0	9.6	39.8	31.7
Not in labor force	7,486	7,648	1,775	1,821	4,110	4,227	1,601	1,600

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

(Numbers in thousands)

Employment status	March 1979								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	25,212	12,736	12,476	21,343	10,828	10,515	3,869	1,908	1,961
Total labor force	15,391	8,371	7,020	13,527	7,307	6,220	1,864	1,064	800
Percent of population	61.0	65.7	56.3	63.4	67.5	59.2	48.2	55.8	40.8
Civilian labor force	14,682	7,715	6,967	12,978	6,800	6,178	1,703	915	788
Employed	12,613	6,569	6,043	11,387	5,917	5,470	1,225	652	573
Agriculture	391	325	66	369	304	65	22	21	1
Nonagricultural industries	12,222	6,245	5,977	11,018	5,614	5,405	1,204	631	573
Unemployed	2,069	1,146	923	1,591	883	708	478	263	215
Looking for full-time work	1,192	667	526	1,591	868	723	372	217	154
Looking for part-time work	876	479	398	723	387	337	153	92	61
Percent of labor force	14.1	14.8	13.3	12.3	13.0	11.5	28.0	28.7	27.3
Not in labor force	9,821	4,365	5,456	7,816	3,521	4,295	2,005	844	1,161
Major activity: going to school									
Civilian labor force	4,443	2,301	2,141	4,028	2,076	1,951	415	225	190
Employed	3,598	1,821	1,777	3,336	1,692	1,643	262	129	133
Agriculture	131	105	25	129	105	25	1	1	-
Nonagricultural industries	3,467	1,716	1,751	3,206	1,588	1,618	261	128	133
Unemployed	845	480	365	692	384	306	153	96	57
Looking for full-time work	87	52	36	52	28	24	35	23	12
Looking for part-time work	758	429	329	640	356	284	118	73	45
Percent of labor force	19.0	20.9	17.0	17.2	18.5	15.8	36.9	42.8	29.9
Not in labor force	7,489	3,782	3,707	6,022	3,073	2,949	1,467	709	758
Major activity: other									
Civilian labor force	10,239	5,414	4,825	8,951	4,724	4,227	1,288	690	598
Employed	9,015	4,748	4,267	8,051	4,225	3,827	964	523	440
Agriculture	260	219	41	239	199	40	21	20	1
Nonagricultural industries	8,755	4,529	4,226	7,812	4,026	3,786	943	503	440
Unemployed	1,224	665	558	899	499	400	325	166	158
Looking for full-time work	1,105	615	490	816	468	348	289	147	142
Looking for part-time work	119	50	69	83	31	52	36	19	16
Percent of labor force	12.0	12.3	11.6	10.0	10.6	9.5	25.2	24.1	26.4
Not in labor force	2,332	583	1,749	1,794	449	1,346	538	135	403

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 1979								
	Full-time labor force				Part-time labor force				
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over.....	85,645	77,647	3,310	4,688	5.5	16,021	14,544	1,477	9.2
16 to 21 years.....	8,717	6,775	750	1,192	13.7	5,965	5,088	876	14.7
16 to 19 years.....	4,048	2,932	438	679	16.8	4,823	4,052	770	16.0
16 to 17 years.....	717	443	108	166	23.1	2,955	2,383	573	19.4
18 to 19 years.....	3,332	2,489	330	513	15.4	1,868	1,670	198	10.6
20 years and over.....	81,596	74,715	2,872	4,009	4.9	11,198	10,491	707	6.3
20 to 24 years.....	12,811	10,920	675	1,217	9.5	2,165	1,945	220	10.2
25 years and over.....	68,785	63,796	2,198	2,792	4.1	9,032	8,546	487	5.4
25 to 54 years.....	56,877	52,707	1,756	2,416	4.2	6,060	5,717	343	5.7
55 years and over.....	11,907	11,089	442	376	3.2	2,972	2,828	144	4.8
Males, 16 years and over.....	53,574	49,400	1,463	2,711	5.1	5,109	4,485	625	12.2
16 to 21 years.....	4,867	3,824	376	667	13.7	2,648	2,369	479	16.8
16 to 19 years.....	2,308	1,709	219	380	16.5	2,371	1,933	438	18.5
20 years and over.....	51,266	47,691	1,244	2,331	4.5	2,738	2,551	187	6.8
20 to 24 years.....	7,182	6,156	325	702	9.8	821	750	71	8.6
25 years and over.....	44,084	41,535	919	1,630	3.7	1,917	1,802	116	6.1
25 to 54 years.....	36,257	34,158	716	1,383	3.8	702	648	55	7.8
55 years and over.....	7,826	7,376	203	247	3.2	1,215	1,153	62	5.1
Females, 16 years and over.....	32,070	28,247	1,847	1,976	6.2	10,912	10,059	853	7.8
16 to 21 years.....	3,849	2,951	373	526	13.7	3,117	2,720	398	12.8
16 to 19 years.....	1,741	1,223	219	298	17.1	2,452	2,119	333	13.6
20 years and over.....	30,330	27,024	1,628	1,678	5.5	8,460	7,940	520	6.1
20 to 24 years.....	5,628	4,764	350	515	9.1	1,345	1,195	149	11.1
25 years and over.....	24,701	22,260	1,279	1,163	4.7	7,115	6,745	370	5.2
25 to 54 years.....	20,620	18,548	1,039	1,034	5.0	5,358	5,070	288	5.4
55 years and over.....	4,081	3,712	239	130	3.2	1,757	1,675	82	4.7
White									
Males, 16 years and over.....	47,787	44,477	1,218	2,092	4.4	4,551	4,046	505	11.1
16 to 21 years.....	4,239	3,431	312	496	11.7	2,561	2,175	387	15.1
16 to 19 years.....	2,039	1,553	190	296	14.5	2,130	1,776	354	16.6
20 years and over.....	45,748	42,924	1,027	1,796	3.9	2,421	2,270	151	6.2
20 to 24 years.....	6,250	5,488	262	500	8.0	733	675	58	7.9
25 years and over.....	39,499	37,436	765	1,296	3.3	1,688	1,595	93	5.5
25 to 54 years.....	32,347	30,655	601	1,092	3.4	592	546	44	7.4
55 years and over.....	7,151	6,782	165	204	2.9	1,097	1,047	50	4.6
Females, 16 years and over.....	27,326	24,349	1,505	1,472	5.4	9,895	9,175	719	7.3
16 to 21 years.....	3,348	2,653	324	372	11.1	2,830	2,493	337	11.9
16 to 19 years.....	1,536	1,125	192	219	14.3	2,233	1,948	285	12.8
20 years and over.....	25,790	23,224	1,314	1,253	4.9	7,662	7,226	434	5.7
20 to 24 years.....	4,823	4,188	277	358	7.4	1,187	1,075	111	9.4
25 years and over.....	20,968	19,036	1,037	894	4.3	6,475	6,152	322	5.0
25 to 54 years.....	17,320	15,685	847	787	4.5	4,947	4,693	255	5.2
55 years and over.....	3,648	3,351	190	107	2.9	1,527	1,455	68	4.5
Black and other									
Males, 16 years and over.....	5,788	4,923	245	619	10.7	559	439	120	21.5
16 to 21 years.....	629	394	65	171	27.1	286	194	92	32.2
16 to 19 years.....	269	156	28	85	31.4	241	157	84	34.9
20 years and over.....	5,519	4,767	217	535	9.7	318	282	36	11.2
20 to 24 years.....	933	668	63	202	21.6	88	75	13	14.8
25 years and over.....	4,586	4,098	155	334	7.3	230	207	23	10.0
25 to 54 years.....	3,911	3,504	117	290	7.4	111	100	11	9.9
55 years and over.....	675	594	38	43	6.4	118	106	12	10.2
Females, 16 years and over.....	4,745	3,898	342	505	10.6	1,017	884	133	13.1
16 to 21 years.....	501	298	49	154	30.7	288	227	61	21.2
16 to 19 years.....	205	98	28	80	38.9	219	171	48	21.8
20 years and over.....	4,540	3,801	314	425	9.4	798	712	85	10.7
20 to 24 years.....	806	576	73	157	19.5	158	120	38	24.1
25 years and over.....	3,734	3,225	242	267	7.2	641	593	48	7.5
25 to 54 years.....	3,301	2,863	192	245	7.4	411	377	33	8.0
55 years and over.....	433	362	50	22	5.1	230	216	14	6.1

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

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A-9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	March 1979									
	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	101,665	63.2	95,501	6,165	6.1	59,153	31,935	8,961	3,203	15,055
Husbands ¹	40,771	81.5	39,470	1,301	3.2	9,269	144	234	1,322	7,569
With employed wife	20,752	91.5	20,194	559	2.7	1,920	40	134	435	1,310
With unemployed wife	1,104	93.2	983	121	11.0	80	3	3	24	50
With wife not in labor force	17,453	71.9	16,905	548	3.1	6,824	74	86	785	5,878
Wives	23,855	49.6	22,671	1,184	5.0	24,276	22,119	301	308	1,550
With employed husband	21,177	55.6	20,193	983	4.6	16,905	15,796	262	112	735
With unemployed husband	679	55.3	558	121	17.8	548	513	7	9	18
With husband not in labor force	2,000	22.7	1,920	80	4.0	6,824	5,809	31	187	796
Relatives in husband-wife families	13,675	59.3	11,997	1,678	12.3	9,391	1,225	6,289	375	1,502
16-19 years	6,364	53.5	5,435	929	14.6	5,540	156	4,926	20	437
20-24 years	4,726	73.4	4,198	528	11.2	1,712	158	1,258	39	257
25 years and over	2,585	54.7	2,364	221	8.5	2,139	911	105	316	808
Women who head families	4,880	59.2	4,480	400	8.2	3,367	2,691	116	182	380
Relatives in female-headed families	3,970	54.8	3,269	700	17.6	3,273	782	1,461	284	745
16-19 years	1,284	47.4	968	317	24.7	1,424	82	1,178	10	155
20-24 years	1,190	72.7	980	211	17.7	446	99	234	13	101
25 years and over	1,496	51.7	1,321	172	11.5	1,403	601	49	261	489
Persons not living in families ²	14,514	60.2	13,614	902	6.2	9,577	4,974	560	732	3,309

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

² 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. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
Total, 16 years and over	3,603	3,336	6.3	5.7	2,876	2,629	7.0	6.6
Married, spouse present	1,467	1,274	3.7	3.2	1,197	1,225	5.2	5.1
Widowed, divorced, or separated	357	302	8.0	6.8	551	540	7.0	6.7
Single (never married)	1,779	1,759	13.2	12.5	1,129	1,063	11.0	9.7
White, 16 years and over	2,859	2,597	5.6	5.0	2,140	2,191	6.0	5.9
Married, spouse present	1,265	1,074	3.5	2.9	980	1,054	4.8	4.9
Widowed, divorced, or separated	250	204	7.0	5.7	383	407	6.1	6.3
Single (never married)	1,345	1,319	11.5	10.8	777	730	9.0	7.9
Black and other, 16 years and over	744	739	12.1	11.6	736	638	13.2	11.1
Married, spouse present	202	201	5.9	5.6	217	171	9.1	7.0
Widowed, divorced, or separated	108	98	12.1	11.0	168	133	10.5	8.3
Single (never married)	434	440	24.0	23.4	351	333	22.3	19.7
Total, 20 to 64 years of age	2,665	2,430	5.2	4.7	2,120	2,147	5.9	5.7
Married, spouse present	1,373	1,198	3.6	3.1	1,099	1,127	5.0	4.9
Widowed, divorced, or separated	336	277	8.0	6.6	508	498	7.1	6.8
Single (never married)	956	956	10.5	10.0	513	522	7.8	7.3
White, 20 to 64 years of age	2,129	1,873	4.7	4.0	1,563	1,652	5.1	5.1
Married, spouse present	1,180	1,005	3.4	2.9	897	967	4.5	4.7
Widowed, divorced, or separated	236	187	7.0	5.6	348	377	6.2	6.5
Single (never married)	714	682	9.2	8.3	317	308	5.9	5.3
Black and other, 20 to 64 years of age	535	558	9.8	9.9	557	495	11.1	9.6
Married, spouse present	192	194	5.8	5.7	202	160	8.7	6.8
Widowed, divorced, or separated	101	90	12.1	10.6	160	120	10.8	8.0
Single (never married)	242	274	18.4	19.9	196	215	16.4	16.4

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
Total, 16 years and over	6,479	6,165	6.6	6.1	6.3	5.7	7.0	6.6
White-collar workers	1,638	1,688	3.4	3.3	2.5	2.3	4.2	4.2
Professional and technical	331	290	2.3	1.9	2.0	1.6	2.6	2.2
Managers and administrators, except farm	233	237	2.2	2.2	1.8	1.9	3.8	3.2
Sales workers	286	270	4.7	4.3	3.0	3.0	6.6	5.9
Clerical workers	787	892	4.5	4.8	4.7	4.6	4.5	4.9
Blue-collar workers	2,799	2,633	8.5	7.8	8.0	7.1	10.8	10.8
Craft and kindred workers	801	769	6.4	5.8	6.3	5.8	7.6	7.4
Carpenters and other construction craft	459	439	11.9	11.1	11.9	11.1	(1)	(1)
All other	342	330	3.9	3.6	3.6	3.3	7.3	7.0
Operatives, except transport	1,077	1,033	9.3	8.7	8.0	6.7	11.1	11.7
Transport equipment operatives	239	238	6.4	6.3	6.5	6.6	5.1	3.0
Nonfarm laborers	682	593	14.0	12.3	13.8	12.4	15.5	12.1
Construction laborers	192	236	20.7	24.5	20.6	24.1	(1)	(1)
All other	490	357	12.4	9.3	12.1	9.1	15.3	10.6
Service workers	1,070	1,013	7.8	7.3	7.6	7.7	8.0	7.1
Private household	58	50	4.8	4.4	(1)	(1)	4.8	4.4
All other	1,013	963	8.1	7.6	7.6	7.7	8.5	7.5
Farm workers	163	113	6.2	4.4	5.1	4.1	11.3	6.2
No previous work experience	809	717	--	--	--	--	--	--
16 to 19 years	615	518	--	--	--	--	--	--
20 to 24 years	126	125	--	--	--	--	--	--
25 years and over	67	75	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
Total, 16 years and over	100.0	100.0	6.6	6.1	6.3	5.7	7.0	6.6
Nonagricultural private wage and salary workers	75.0	75.0	6.8	6.2	6.5	5.8	7.2	6.7
Mining	.8	.9	6.7	6.5	6.5	6.5	8.1	7.0
Construction	10.8	11.2	15.4	14.3	16.0	14.9	7.0	8.1
Manufacturing	20.8	21.2	6.2	5.7	5.1	4.3	8.6	8.9
Durable goods	11.4	11.2	5.7	4.9	5.1	4.2	7.6	7.2
Lumber and wood products	1.2	.8	11.6	7.1	12.2	7.1	7.4	7.0
Furniture and fixtures	.3	.8	3.5	8.3	3.4	9.1	3.7	7.0
Stone, clay, and glass products	.7	.7	6.8	6.3	6.6	6.1	7.9	7.7
Primary metal industries	.9	.6	4.7	2.7	4.5	2.6	6.4	3.7
Fabricated metal products	1.5	1.7	6.6	6.6	6.1	5.7	8.6	10.1
Machinery, except electrical equipment	1.4	1.1	3.7	2.3	3.5	1.8	4.5	4.5
Electrical equipment	2.0	2.4	5.8	6.1	4.7	4.0	7.3	9.0
Transportation equipment	1.8	1.9	5.3	4.7	4.7	4.4	8.3	6.1
Automobiles	.8	1.1	4.1	4.9	3.5	4.9	7.5	5.2
Other transportation equipment	1.0	.8	6.8	4.4	6.2	3.8	9.4	7.8
Instruments and related products	.4	.3	4.3	3.1	1.5	1.1	7.7	5.2
Other durable goods industries	1.1	.9	9.4	7.3	6.4	6.9	13.3	7.8
Nondurable goods	9.5	10.0	6.9	7.0	5.1	4.5	9.5	10.5
Food and kindred products	2.5	3.0	8.6	10.0	6.6	6.5	13.6	17.5
Textile mill products	.7	1.1	4.9	8.3	4.2	4.4	5.7	12.5
Apparel and other textile products	2.3	2.3	10.6	10.4	10.6	10.4	10.5	10.4
Paper and allied products	.5	.4	4.4	3.1	3.6	2.8	7.0	4.3
Printing and publishing	1.3	1.2	6.1	4.9	5.6	4.7	6.8	5.1
Chemicals and allied products	.6	.5	3.6	2.6	2.2	2.1	7.5	4.1
Rubber and plastics products	.9	.6	8.0	5.2	5.9	1.4	11.7	11.5
Other nondurable goods industries	.6	.9	6.0	8.7	3.1	5.6	10.2	13.6
Transportation and public utilities	3.3	3.7	4.2	4.3	4.2	4.5	3.9	3.8
Railroads and railway express	.5	.3	5.9	3.6	6.0	4.0	(1)	(1)
Other transportation	2.3	2.7	5.9	6.6	6.0	6.7	5.6	6.1
Communication and other public utilities	.5	.7	1.5	1.9	.9	1.5	2.7	2.6
Wholesale and retail trade	22.1	20.4	7.9	6.8	6.8	5.6	9.3	8.2
Finance, insurance, and real estate	2.4	2.7	3.1	3.1	2.7	2.1	3.4	3.8
Service industries	14.8	14.7	5.9	5.3	5.9	5.7	5.9	5.0
Professional services	6.0	6.2	4.2	3.9	3.3	3.5	4.5	4.0
All other service industries	8.8	8.5	8.2	7.3	8.2	7.8	8.2	6.8
Agricultural wage and salary workers	2.8	2.3	13.1	10.5	11.5	10.2	19.2	11.9
All other classes of workers	9.7	11.1	2.5	2.7	2.5	2.5	2.6	3.1
No previous work experience	12.5	11.6	--	--	--	--	--	--

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

HOUSEHOLD DATA

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. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands.....	6,479	6,165	2,765	2,518	2,165	2,197	1,549	1,449	4,999	4,788	1,480	1,377
Job losers.....	2,989	2,848	1,848	1,671	828	836	312	341	2,412	2,241	577	607
On layoff.....	864	986	594	591	206	291	64	104	788	864	76	122
Other job losers.....	2,125	1,862	1,254	1,080	622	545	248	237	1,624	1,377	501	485
Job leavers.....	851	855	346	311	355	394	149	149	728	712	123	143
Reentrants.....	1,833	1,745	486	461	874	842	473	442	1,292	1,326	541	418
New entrants.....	807	717	85	74	108	125	615	518	568	508	240	209
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	46.1	46.2	66.8	66.4	38.2	38.1	20.2	23.5	48.3	46.8	38.9	44.1
On layoff.....	13.3	16.0	21.5	23.5	9.5	13.3	4.1	7.2	15.8	18.0	5.1	8.9
Other job losers.....	32.8	30.2	45.3	42.9	28.7	24.8	16.1	16.3	32.5	28.8	53.8	35.2
Job leavers.....	13.1	13.9	12.5	12.4	16.4	17.9	9.6	10.3	14.6	14.9	8.3	10.4
Reentrants.....	28.3	28.3	17.6	18.3	40.4	38.3	30.5	30.5	25.8	27.7	36.6	30.4
New entrants.....	12.5	11.6	3.1	2.9	5.0	5.7	39.7	35.7	11.4	10.6	16.2	15.2
UNEMPLOYMENT RATE												
Total unemployment rate.....	6.6	6.1	5.2	4.7	5.9	5.7	18.0	16.3	5.8	5.3	12.6	11.4
Job loser rate ¹	3.1	2.8	3.5	3.1	2.3	2.2	3.6	3.9	2.8	2.5	4.9	5.0
Job leaver rate ¹.....	.9	.8	.7	.6	1.0	1.0	1.7	1.7	.8	.8	1.0	1.2
Reentrant rate ¹	1.9	1.7	.9	.9	2.4	2.2	5.5	5.0	1.5	1.5	4.6	3.5
New entrant rate ¹.....	.8	.7	.2	.1	.3	.3	7.2	5.8	.7	.6	2.0	1.7

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

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

[Percent distribution]

Reason, sex, and age	March 1979						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	6,165	100.0	40.8	33.8	25.4	15.1	10.3
Job losers.....	2,848	100.0	32.6	37.0	30.4	20.1	10.2
On layoff.....	986	100.0	40.3	37.2	22.5	19.1	3.3
Other job losers.....	1,862	100.0	28.5	36.9	34.6	20.7	13.9
Job leavers.....	855	100.0	45.8	32.9	21.3	11.3	9.9
Reentrants.....	1,745	100.0	48.0	31.1	20.9	10.1	10.7
New entrants.....	717	100.0	50.1	28.6	21.3	11.6	9.7
Males, 20 years and over.....	2,518	100.0	31.1	37.0	31.9	20.5	11.5
Job losers.....	1,671	100.0	28.5	36.6	34.9	23.5	11.4
On layoff.....	591	100.0	33.8	38.7	27.4	23.4	4.1
Other job losers.....	1,080	100.0	25.6	35.5	39.0	23.5	15.5
Job leavers.....	311	100.0	43.6	34.3	22.1	11.5	10.6
Reentrants.....	461	100.0	33.4	39.9	26.7	14.8	11.9
New entrants.....	74	100.0	(1)	(1)	(1)	(1)	(1)
Females, 20 years and over.....	2,197	100.0	43.6	32.5	24.0	13.4	10.6
Job losers.....	836	100.0	35.8	35.4	28.8	18.4	10.4
On layoff.....	291	100.0	51.0	30.5	18.5	15.4	3.1
Other job losers.....	545	100.0	27.6	38.1	34.4	20.0	14.3
Job leavers.....	394	100.0	41.9	35.0	23.1	12.2	10.9
Reentrants.....	842	100.0	51.6	29.1	19.3	8.8	10.6
New entrants.....	125	100.0	46.8	27.8	25.4	15.1	10.3
Both sexes, 16 to 19 years.....	1,449	100.0	53.6	30.2	16.2	8.4	7.8
Job losers.....	341	100.0	44.9	42.8	12.3	6.2	4.1
On layoff.....	104	100.0	46.6	47.6	5.8	5.8	--
Other job losers.....	237	100.0	43.9	41.4	14.8	9.3	5.5
Job leavers.....	149	100.0	60.9	25.2	13.9	8.6	5.3
Reentrants.....	442	100.0	56.1	25.9	18.0	8.1	9.9
New entrants.....	518	100.0	54.8	27.2	18.0	8.9	9.1

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

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

Sex, age, and race	March 1979								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	6,165	5,073	26.5	6.9	71.5	29.1	13.2	6.6	1.54
18 to 19 years	1,449	1,337	18.1	3.1	78.9	24.0	11.8	4.6	1.41
20 to 24 years	1,437	1,221	30.6	5.2	72.6	31.0	14.2	5.5	1.59
25 to 34 years	1,458	1,120	29.1	9.6	67.8	32.5	14.0	7.5	1.60
35 to 44 years	698	535	31.6	9.9	69.7	31.4	14.8	7.5	1.65
45 to 54 years	603	443	30.9	10.6	64.1	24.4	13.1	7.9	1.51
55 to 64 years	383	309	23.6	10.7	63.1	34.6	11.7	14.6	1.58
65 years and over	138	108	20.4	3.7	69.4	28.7	10.2	2.8	1.35
Males, 16 years and over	3,336	2,609	28.0	7.4	72.8	27.3	15.6	7.7	1.59
18 to 19 years	818	751	17.6	3.7	80.7	22.8	13.0	3.6	1.41
20 to 24 years	773	632	34.7	5.4	73.1	29.3	15.8	6.6	1.65
25 to 34 years	777	531	31.6	10.2	67.6	32.4	18.1	8.1	1.68
35 to 44 years	337	237	35.9	13.9	72.6	29.5	19.4	10.5	1.82
45 to 54 years	322	213	36.2	9.9	65.7	24.4	16.0	12.2	1.64
55 to 64 years	221	174	23.0	12.1	59.8	24.1	15.5	20.7	1.55
65 years and over	88	73	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	2,829	2,464	24.8	6.4	70.2	31.1	10.7	5.5	1.49
18 to 19 years	631	586	18.8	2.4	76.8	25.6	10.1	6.0	1.40
20 to 24 years	664	589	26.3	5.1	72.2	32.9	12.6	4.2	1.53
25 to 34 years	681	589	27.0	9.2	67.9	32.6	10.4	7.0	1.54
35 to 44 years	361	298	28.2	6.7	67.4	32.9	10.7	5.0	1.51
45 to 54 years	280	230	26.1	11.3	62.2	24.3	10.4	4.3	1.39
55 to 64 years	162	135	24.4	9.6	67.4	48.1	6.7	5.9	1.62
65 years and over	50	36	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	4,788	3,826	23.6	6.6	73.3	29.8	12.3	6.6	1.52
Males	2,597	1,954	25.4	7.1	74.2	27.8	14.7	8.3	1.58
Females	2,191	1,873	21.6	6.1	72.4	31.8	9.7	4.9	1.47
Black and other, 16 years and over	1,377	1,247	35.4	7.8	65.9	27.1	16.3	6.7	1.59
Males	739	656	35.7	8.2	68.6	25.6	18.4	6.1	1.63
Females	638	591	35.0	7.4	63.1	28.8	13.9	7.3	1.55

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

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

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

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

Sex and reason	March 1979								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over	6,165	5,073	26.5	6.9	71.5	29.1	13.2	6.6	1.54
Job losers	2,848	1,839	34.6	7.7	69.9	30.4	15.6	9.0	1.67
Job leavers	855	838	27.6	8.5	75.7	35.9	14.3	2.4	1.64
Reentrants	1,745	1,681	21.3	7.1	68.9	26.5	10.5	7.6	1.42
New entrants	717	714	16.4	2.7	77.0	23.1	12.6	3.5	1.35
Males, 16 years and over	3,336	2,609	28.0	7.4	72.8	27.3	15.6	7.7	1.59
Job losers	1,885	1,204	34.9	8.4	68.8	28.3	16.4	10.3	1.67
Job leavers	408	392	28.8	8.7	76.0	33.4	16.3	2.0	1.65
Reentrants	689	660	22.7	8.2	72.0	25.3	14.1	8.9	1.51
New entrants	354	354	13.6	1.1	83.9	20.1	15.0	2.8	1.36
Females, 16 years and over	2,829	2,464	24.8	6.4	70.2	31.1	10.7	5.5	1.49
Job losers	963	636	34.1	6.4	71.9	34.3	13.7	6.4	1.67
Job leavers	447	446	26.5	8.3	75.3	38.1	12.3	2.7	1.63
Reentrants	1,056	1,023	20.3	6.4	66.7	27.6	8.1	6.5	1.36
New entrants	363	359	19.2	4.2	70.5	26.2	10.6	4.2	1.35

NOTE: See note, table A-15.

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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. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
Total, 16 years and over	6,479	6,165	100.0	100.0	4,999	4,688	100.0	100.0
Less than 5 weeks	2,552	2,517	39.4	40.8	1,737	1,683	34.8	35.9
5 to 14 weeks	2,143	2,083	33.1	33.8	1,748	1,672	35.0	35.7
5 to 10 weeks	1,366	1,362	21.1	22.1	1,093	1,070	21.9	22.8
11 to 14 weeks	777	721	12.0	11.7	655	601	13.1	12.8
15 weeks and over	1,784	1,565	27.5	25.4	1,514	1,333	30.3	28.4
15 to 26 weeks	1,014	931	15.6	15.1	870	819	17.4	17.5
27 weeks and over	771	633	11.9	10.3	643	514	12.9	11.0
27 to 51 weeks	439	326	6.8	5.3	368	246	7.4	5.2
52 weeks and over	332	307	5.1	5.0	275	267	5.5	5.7
Average (mean) duration, in weeks	13.4	12.7	--	--	14.4	13.7	--	--
Median duration, in weeks	7.9	7.4	--	--	9.1	8.7	--	--

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. 1978	Mar. 1979	Mar. 1978	Mar. 1979
	March 1979								Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
Total, 16 years and over	6,165	2,517	2,083	931	633	12.7	7.4	39.4	40.8	27.5	25.4
16 to 21 years	2,069	1,040	674	202	154	9.6	5.0	47.2	50.3	19.2	17.2
16 to 19 years	1,449	777	438	122	113	9.3	4.7	51.1	53.6	16.7	16.2
20 to 24 years	1,437	608	506	229	93	10.8	7.2	37.3	42.3	24.4	22.5
25 to 34 years	1,458	558	524	236	139	12.6	7.8	38.2	38.3	28.9	25.7
35 to 44 years	698	248	217	128	105	15.5	9.4	33.8	35.6	35.8	33.3
45 to 54 years	603	178	204	126	95	16.6	10.6	32.1	29.5	39.2	36.6
55 to 64 years	383	105	133	72	72	19.5	11.0	30.5	27.4	37.4	37.7
65 years and over	138	43	59	19	17	17.8	9.3	32.0	31.3	47.7	25.7
Males, 16 years and over	3,336	1,200	1,183	594	359	13.7	8.6	34.2	36.0	31.5	28.6
16 to 21 years	1,146	542	382	127	95	10.5	5.6	42.3	47.3	21.4	19.3
16 to 19 years	818	417	252	80	70	10.3	4.9	47.2	50.9	17.9	18.3
20 to 24 years	773	289	300	138	45	11.1	8.0	30.8	37.5	28.8	23.7
25 to 34 years	777	261	283	163	70	13.0	9.3	33.5	33.6	33.0	30.0
35 to 44 years	337	85	115	71	67	18.5	12.5	25.2	25.1	42.3	40.9
45 to 54 years	322	69	122	77	55	18.4	12.8	28.0	21.4	43.6	40.7
55 to 64 years	221	57	74	51	39	20.1	11.4	28.1	25.7	40.4	40.7
65 years and over	88	22	37	16	13	21.2	11.1	31.4	25.4	51.7	32.2
Females, 16 years and over	2,829	1,317	900	337	274	11.5	6.0	45.9	46.6	22.6	21.6
16 to 21 years	923	497	292	75	59	8.5	4.6	53.1	53.9	16.4	14.5
16 to 19 years	631	360	187	42	42	8.1	4.4	55.6	57.0	15.3	13.4
20 to 24 years	664	318	206	91	48	10.4	5.7	45.5	47.9	18.8	21.0
25 to 34 years	681	297	281	73	69	12.0	6.5	43.6	43.7	24.1	20.9
35 to 44 years	361	164	102	57	37	12.7	6.3	43.3	45.4	28.7	26.2
45 to 54 years	280	109	82	49	40	14.4	7.5	37.5	38.9	33.4	31.8
55 to 64 years	162	48	59	22	33	18.7	10.6	34.8	29.8	31.7	33.7
65 years and over	50	21	22	3	4	11.9	7.6	(1)	(1)	(1)	(1)
White, 16 years and over	4,788	2,034	1,619	688	446	12.0	6.9	40.2	42.5	26.2	23.7
Males	2,597	986	925	433	253	13.1	8.0	36.1	38.0	29.2	26.4
Females	2,191	1,048	695	255	193	10.8	5.7	45.7	47.6	22.2	20.4
Black and other, 16 years and over	1,377	483	464	244	187	14.8	9.0	36.6	35.0	32.1	31.3
Males	739	214	258	161	106	15.8	10.5	27.0	28.9	40.2	36.1
Females	638	269	205	82	81	13.8	6.9	46.4	42.2	23.9	25.7
Males, 16 years and over:											
Married, spouse present	1,274	368	501	277	129	14.1	10.4	27.6	28.5	37.7	31.8
Widowed, divorced, or separated	302	94	102	54	52	17.8	10.0	35.5	31.1	34.4	35.3
Single (never married)	1,759	738	581	263	177	12.7	7.3	39.4	41.9	25.7	25.1
Females, 16 years and over:											
Married, spouse present	1,225	575	397	165	88	10.4	5.8	43.6	46.9	24.9	20.7
Widowed, divorced, or separated	540	245	161	59	75	13.5	6.2	41.1	45.4	23.4	24.9
Single (never married)	1,063	498	342	113	111	11.7	6.0	50.6	46.8	19.8	21.1

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

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	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. 1978	Mar. 1979	Mar. 1978	Mar. 1979
	March 1979							Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
OCCUPATION											
White-collar workers	1,688	694	552	229	213	13.1	7.6	38.2	41.1	27.5	26.2
Professional and managerial	527	179	170	84	93	16.1	9.6	30.5	34.0	34.4	33.6
Sales workers	270	117	97	33	22	11.1	6.5	42.8	43.4	25.1	20.6
Clerical workers	892	398	285	112	98	12.0	6.5	41.9	44.6	23.5	23.5
Blue-collar workers	2,633	984	962	457	230	12.5	8.1	34.6	37.4	31.0	26.1
Craft and kindred workers	769	233	325	143	68	13.4	9.7	31.2	30.3	33.3	27.4
Operatives, except transport	1,033	445	343	144	101	12.0	6.5	38.3	43.1	28.2	23.7
Transport equipment operatives	238	93	67	58	19	12.7	8.8	31.6	39.2	35.1	32.6
Nonfarm laborers	593	212	227	112	42	12.1	9.0	33.9	35.8	31.5	26.0
Service workers	1,013	416	339	140	118	13.3	7.2	44.4	41.1	22.9	25.5
INDUSTRY¹											
Agriculture	144	68	40	34	3	9.6	6.2	42.4	47.0	30.6	25.6
Construction	725	227	300	165	33	11.5	10.6	28.5	31.3	28.1	27.4
Manufacturing	1,308	516	446	197	148	13.1	7.2	35.0	39.5	34.2	26.4
Durable goods	688	256	241	118	74	13.5	7.8	34.5	37.2	37.1	27.8
Non-durable goods	619	260	206	80	74	12.7	6.6	35.5	42.0	30.7	24.8
Transportation and public utilities	255	91	103	38	24	12.2	8.0	31.4	35.7	35.8	23.9
Wholesale and retail trade	1,267	572	430	165	99	11.0	6.7	43.3	45.2	21.5	20.8
Finance and service industries	1,350	552	439	188	173	13.6	7.5	40.4	40.9	28.2	26.6
Public administration	211	72	54	34	51	18.5	11.3	34.3	34.0	31.4	40.4
No previous work experience	717	360	204	83	70	11.8	5.0	50.7	50.2	21.4	21.3

¹ Includes wage and salary workers only.

A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
	All industries	91,964	95,501	53,866	55,347	38,098	40,153
16 to 19 years	7,041	7,422	3,761	3,861	3,281	3,561
16 to 17 years	2,755	2,933	1,503	1,532	1,252	1,401
18 to 19 years	4,287	4,489	2,258	2,329	2,029	2,160
20 to 24 years	12,825	13,540	6,930	7,231	5,895	6,309
25 to 54 years	58,109	60,180	34,610	35,523	23,499	24,656
25 to 34 years	24,074	25,132	14,319	14,804	9,755	10,328
35 to 44 years	17,720	18,620	10,481	10,922	7,239	7,699
45 to 54 years	16,314	16,427	9,810	9,798	6,504	6,630
55 to 64 years	11,158	11,408	6,809	6,914	4,349	4,493
55 to 59 years	6,958	7,038	4,211	4,241	2,747	2,798
60 to 64 years	4,200	4,369	2,598	2,673	1,602	1,696
65 years and over	2,831	2,951	1,757	1,818	1,074	1,133
Nonagricultural industries	89,051	92,576	51,481	52,945	37,570	39,631
16 to 19 years	6,758	7,152	3,520	3,634	3,238	3,517
16 to 17 years	2,612	2,768	1,389	1,396	1,223	1,372
18 to 19 years	4,146	4,383	2,132	2,238	2,014	2,145
20 to 24 years	12,531	13,236	6,708	6,985	5,822	6,251
25 to 54 years	56,590	58,618	33,395	34,284	23,195	24,334
25 to 34 years	23,508	24,551	13,864	14,353	9,645	10,198
35 to 44 years	17,262	18,130	10,110	10,523	7,152	7,606
45 to 54 years	15,819	15,938	9,421	9,408	6,398	6,529
55 to 64 years	10,653	10,918	6,381	6,495	4,272	4,422
55 to 59 years	6,679	6,780	3,990	4,028	2,689	2,752
60 to 64 years	3,974	4,138	2,391	2,468	1,583	1,670
65 years and over	2,520	2,652	1,476	1,545	1,044	1,107
Agriculture	2,913	2,925	2,385	2,403	527	522
16 to 19 years	284	271	241	226	43	44
16 to 17 years	143	165	114	136	28	29
18 to 19 years	141	105	126	90	15	15
20 to 24 years	294	304	222	246	72	58
25 to 54 years	1,519	1,561	1,215	1,239	304	323
25 to 34 years	566	581	455	451	111	130
35 to 44 years	458	490	370	398	87	92
45 to 54 years	495	490	389	389	106	101
55 to 64 years	505	490	427	419	78	71
55 to 59 years	279	259	221	213	58	45
60 to 64 years	226	232	206	206	20	26
65 years and over	311	299	281	273	31	26

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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. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
	TOTAL	91,964	95,501	50,106	51,487	34,817	36,592	3,761	3,861	3,281	3,561
White-collar workers	46,915	49,296	21,945	22,679	22,691	24,167	605	600	1,675	1,849
Professional and technical	14,327	15,339	8,101	8,615	6,065	6,546	79	96	82	83
Health workers	2,550	2,810	894	947	1,637	1,835	1	14	19	15
Teachers, except college	3,169	3,322	950	963	2,200	2,327	4	7	15	25
Other professional and technical	8,608	9,207	6,257	6,705	2,228	2,384	74	75	48	43
Managers and administrators, except farm	10,118	10,386	7,692	7,847	2,329	2,459	63	40	35	39
Salaried workers	8,235	8,571	6,247	6,444	1,903	2,056	51	33	35	40
Self-employed workers in retail trade	929	854	648	589	280	262	1	3	--	--
Self-employed workers, except retail trade	954	960	797	815	146	142	10	5	--	--
Sales workers	5,865	5,994	3,040	3,092	2,210	2,264	224	236	391	401
Retail trade	3,074	3,094	914	987	1,628	1,556	166	178	366	374
Other industries	2,792	2,899	2,126	2,106	583	709	57	57	26	28
Clerical workers	16,604	17,577	3,111	3,125	12,087	12,898	239	228	1,167	1,326
Stenographers, typists, and secretaries	4,644	4,927	57	84	4,243	4,469	11	5	334	369
Other clerical workers	11,960	12,650	3,054	3,041	7,844	8,429	228	223	833	957
Blue-collar workers	29,988	30,954	22,511	23,088	5,129	5,312	1,987	2,176	361	377
Craft and kindred workers	11,780	12,385	10,763	11,230	622	646	370	477	24	32
Carpenters	1,114	1,172	1,048	1,094	15	20	49	57	2	2
Construction craft, except carpenters	2,289	2,357	2,191	2,213	22	31	76	113	1	1
Mechanics and repairers	3,220	3,465	3,041	3,239	34	32	144	193	1	--
Metal craft	1,186	1,267	1,125	1,200	33	31	28	32	--	4
Blue-collar worker supervisors, not elsewhere classified	1,628	1,667	1,470	1,487	144	167	13	6	1	6
All other	2,343	2,457	1,888	1,998	375	364	61	76	19	20
Operatives, except transport	10,529	10,839	5,672	5,898	3,959	3,995	633	704	266	241
Durable goods manufacturing	4,694	5,173	2,914	3,207	1,498	1,636	180	237	101	94
Nondurable goods manufacturing	3,376	3,266	1,299	1,277	1,854	1,779	103	113	121	97
Other industries	2,460	2,399	1,460	1,414	606	581	350	354	43	50
Transport equipment operatives	3,481	3,515	3,060	3,063	230	255	183	170	8	27
Drivers, motor vehicles	2,938	2,973	2,557	2,574	217	240	156	136	8	24
All other	543	542	503	489	13	15	27	34	--	3
Nonfarm laborers	4,198	4,215	3,017	2,896	318	417	801	824	63	77
Construction	736	725	613	597	7	13	115	113	1	3
Manufacturing	1,002	1,055	772	736	122	175	99	119	8	24
Other industries	2,460	2,435	1,632	1,563	189	229	587	593	53	50
Service workers	12,605	12,790	3,811	3,829	6,624	6,770	960	892	1,210	1,298
Private household workers	1,141	1,088	14	13	872	846	18	10	237	219
Service workers, except private household	11,464	11,702	3,798	3,816	5,752	5,925	942	882	972	1,079
Food service workers	4,190	4,332	728	765	2,154	2,225	601	558	707	783
Protective service workers	1,341	1,371	1,210	1,233	108	121	20	11	3	5
All other	5,933	5,999	1,860	1,818	3,490	3,579	321	313	262	291
Farm workers	2,456	2,461	1,838	1,890	373	342	209	193	36	36
Farmers and farm managers	1,359	1,377	1,261	1,246	82	109	16	20	--	2
Farm laborers and supervisors	1,097	1,084	577	645	291	233	193	173	36	34
Paid workers	845	870	542	615	126	110	151	123	26	23
Unpaid family workers	252	214	36	30	165	123	42	50	10	11

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

(Percent distribution)

Occupation and race	Total		Males		Females	
	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
TOTAL						
Total, 16 years and over (thousands)	91,964	95,501	53,866	55,347	38,098	40,153
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.0	51.6	41.9	42.1	64.0	64.8
Professional and technical	15.6	16.1	15.2	15.7	16.1	16.5
Managers and administrators, except farm	11.0	10.9	14.4	14.3	6.2	6.2
Sales workers	6.4	6.3	6.1	6.0	6.8	6.6
Clerical workers	18.1	18.4	6.2	6.1	34.8	35.4
Blue-collar workers	32.6	32.4	45.5	45.6	14.4	14.2
Craft and kindred workers	12.8	13.0	20.7	21.2	1.7	1.7
Operatives, except transport	11.4	11.3	11.7	11.9	11.1	10.5
Transport equipment operatives	3.8	3.7	6.0	5.8	.6	.7
Nonfarm laborers	4.6	4.4	7.1	6.7	1.0	1.2
Service workers	13.7	13.4	8.9	8.5	20.6	20.1
Private household workers	1.2	1.1	.1	(1)	2.9	2.7
Other service workers	12.5	12.3	8.8	8.5	17.7	17.4
Farm workers	2.7	2.6	3.8	3.8	1.1	.9
Farmers and farm managers	1.5	1.4	2.4	2.3	.2	.3
Farm laborers and supervisors	1.2	1.1	1.4	1.5	.9	.7
White						
Total, 16 years and over (thousands)	81,737	84,770	48,461	49,741	33,276	35,030
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.9	53.4	43.6	43.7	66.3	67.1
Professional and technical	16.1	16.5	15.9	16.3	16.5	16.9
Managers and administrators, except farm	11.8	11.6	15.3	15.1	6.7	6.6
Sales workers	6.9	6.7	6.5	6.5	7.5	7.2
Clerical workers	18.1	18.5	6.0	5.9	35.7	36.4
Blue-collar workers	32.0	32.0	44.5	44.8	13.9	13.7
Craft and kindred workers	13.3	13.4	21.2	21.6	1.8	1.7
Operatives, except transport	11.0	10.9	11.3	11.5	10.5	10.1
Transport equipment operatives	3.6	3.6	5.7	5.6	.7	.7
Nonfarm laborers	4.1	4.1	6.3	6.1	1.0	1.2
Service workers	12.4	12.0	8.0	7.7	18.7	18.2
Private household workers	.9	.9	.1	(1)	2.2	2.0
Other service workers	11.4	11.2	8.0	7.6	16.4	16.2
Farm workers	2.7	2.6	3.8	3.8	1.1	1.0
Farmers and farm managers	1.6	1.6	2.5	2.5	.2	.3
Farm laborers and supervisors	1.1	1.1	1.3	1.3	.9	.7
Black and other						
Total, 16 years and over (thousands)	10,227	10,731	5,405	5,607	4,822	5,124
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	36.1	37.7	25.9	27.4	47.6	48.9
Professional and technical	11.4	12.3	9.2	11.0	13.9	13.7
Managers and administrators, except farm	4.9	5.2	6.7	6.8	2.9	3.4
Sales workers	2.4	2.6	2.3	2.1	2.5	3.0
Clerical workers	17.4	17.6	7.8	7.5	28.2	28.7
Blue-collar workers	37.2	35.9	54.2	52.8	18.2	17.4
Craft and kindred workers	9.1	9.5	16.0	17.0	1.3	1.3
Operatives, except transport	15.3	14.8	15.2	15.6	15.3	13.8
Transport equipment operatives	5.0	4.5	9.1	8.1	.4	.5
Nonfarm laborers	7.9	7.2	13.8	12.1	1.2	1.7
Service workers	24.5	24.3	16.3	16.2	33.7	33.1
Private household workers	3.7	3.4	.1	.1	7.7	7.0
Other service workers	20.9	20.9	16.2	16.2	26.1	26.1
Farm workers	2.2	2.2	3.6	3.6	.5	.6
Farmers and farm managers	.5	.4	.9	.7	.1	.1
Farm laborers and supervisors	1.7	1.8	2.7	2.9	.5	.5

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	March 1979								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	85,563	1,209	15,483	68,871	6,499	514	1,225	1,469	231
16 to 19 years	7,042	257	510	6,274	81	29	182	28	61
18 to 17 years	2,708	195	165	2,349	46	14	103	17	45
18 to 19 years	4,333	62	346	3,926	36	15	79	10	16
20 to 24 years	12,917	74	1,542	11,301	291	28	215	66	22
25 to 34 years	23,035	149	4,436	18,450	1,431	85	288	255	38
35 to 44 years	16,481	136	3,510	12,835	1,500	148	191	259	40
45 to 54 years	14,271	189	3,115	10,968	1,543	124	150	307	33
55 to 64 years	9,755	227	2,031	7,498	1,092	71	121	338	31
55 to 59 years	6,114	106	1,313	4,695	626	40	64	171	23
60 to 64 years	3,641	121	718	2,803	466	31	57	167	8
65 years and over	2,062	178	339	1,545	562	28	77	216	6
Males, 16 years and over	48,244	105	7,647	40,492	4,658	44	994	1,329	80
16 to 19 years	3,556	37	227	3,292	62	16	152	25	50
18 to 17 years	1,353	30	81	1,242	35	8	86	15	35
18 to 19 years	2,203	7	145	2,050	28	7	66	10	14
20 to 24 years	6,770	11	623	6,136	209	7	169	61	16
25 to 34 years	13,371	9	2,234	11,129	978	3	222	222	7
35 to 44 years	9,435	8	1,743	7,684	1,085	3	168	224	7
45 to 54 years	8,277	5	1,599	6,673	1,127	4	111	279	--
55 to 64 years	5,696	10	1,035	4,650	794	5	104	315	--
55 to 59 years	3,573	7	667	2,899	454	1	55	158	--
60 to 64 years	2,123	3	369	1,751	340	5	48	157	--
65 years and over	1,138	26	185	928	401	6	65	203	1
Females, 16 years and over	37,319	1,104	7,836	28,379	1,841	470	231	140	151
16 to 19 years	3,486	220	284	2,982	19	13	30	3	11
18 to 17 years	1,355	165	83	1,106	11	6	18	2	10
18 to 19 years	2,131	55	200	1,876	8	6	13	1	2
20 to 24 years	6,147	63	918	5,165	82	22	46	5	7
25 to 34 years	9,664	140	2,202	7,321	453	82	66	33	30
35 to 44 years	7,046	129	1,767	5,151	415	145	24	36	33
45 to 54 years	5,994	184	1,515	4,295	415	120	39	28	34
55 to 64 years	4,060	217	995	2,847	297	66	18	23	31
55 to 59 years	2,541	99	647	1,796	172	39	9	13	23
60 to 64 years	1,518	118	349	1,051	125	26	9	10	8
65 years and over	924	152	155	618	160	23	8	12	5

A-24. Employed persons by industry and occupation

(In thousands)

Industry	March 1979											
	White-collar workers					Blue-collar workers				Service workers		Farm workers
	Total employed	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	
Total, 16 years and over:												
Agriculture	2,925	72	16	7	62	60	17	30	194	--	6	2,461
Mining	852	127	64	3	88	245	243	55	16	--	11	--
Construction	5,769	192	745	33	444	3,139	299	166	725	--	26	--
Manufacturing	22,016	2,367	1,519	494	2,623	4,255	8,440	820	1,055	--	445	--
Durable goods	13,556	1,626	894	187	1,558	2,829	5,173	390	647	--	251	--
Non-durable goods	8,460	741	624	306	1,065	1,426	3,266	431	407	--	193	--
Transportation and public utilities	6,185	547	594	42	1,422	1,344	114	1,470	448	--	204	--
Wholesale and retail trade	19,366	400	3,713	3,973	3,450	1,505	936	748	1,150	--	3,490	--
Wholesale trade	3,719	154	731	878	750	305	183	410	265	--	41	--
Retail trade	15,647	246	2,982	3,094	2,700	1,200	753	338	885	--	3,449	--
Finance, insurance, and real estate	5,724	300	1,111	1,273	2,607	102	14	7	56	--	254	--
Services	27,731	10,351	1,958	168	5,114	1,438	733	175	454	1,088	6,251	--
Private households	1,259	14	--	--	12	--	2	5	77	1,088	60	--
Other service industries	26,472	10,337	1,958	168	5,102	1,438	731	170	377	--	6,191	--
Public administration	4,933	982	667	2	1,765	298	44	43	117	--	1,015	--

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

(in thousands)

Reason not working	All Industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
	Mar. 1978				Mar. 1979		Paid absences ²		Unpaid absences^{2}
			Mar. 1978	Mar. 1979			Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979
Total, 16 years and over	4,022	4,015	3,876	3,849	1,569	1,646	1,817	1,696
Vacation	1,372	1,486	1,356	1,454	854	907	338	404
Illness	1,431	1,473	1,387	1,430	542	598	748	711
Bad weather	254	206	209	159	--	--	--	--
Industrial dispute	159	58	157	56	--	--	--	--
All other reasons	805	792	767	750	174	142	732	581
Males, 16 years and over	2,352	2,233	2,231	2,087	990	966	933	801
Vacation	798	808	785	781	549	514	132	176
Illness	814	813	774	775	355	374	365	335
All other reasons ³	740	611	673	531	87	78	436	290
Females, 16 years and over	1,669	1,782	1,644	1,763	578	681	885	895
Vacation	574	678	571	673	305	392	205	228
Illness	618	660	612	655	187	226	383	375
All other reasons ³	477	444	461	434	86	63	297	291

¹Excludes private household.³Includes bad weather and industrial dispute, not shown separately.²Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

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

Hours of work	March 1979					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	91,486	88,727	2,759	100.0	100.0	100.0
1-34 hours	21,655	20,836	820	23.7	23.5	29.7
1-4 hours	772	734	39	.8	.8	1.4
5-14 hours	4,188	3,983	205	4.6	4.5	7.4
15-29 hours	10,938	10,536	402	12.0	11.9	14.6
30-34 hours	5,757	5,583	174	6.3	6.3	6.3
35 hours and over	69,831	67,891	1,940	76.3	76.5	70.3
35-39 hours	6,729	6,581	148	7.4	7.4	5.4
40 hours	38,168	37,678	491	41.7	42.5	17.8
41 hours and over	24,934	23,632	1,301	27.3	26.6	47.1
41 to 48 hours	10,047	9,822	225	11.0	11.1	8.2
49 to 59 hours	8,543	8,110	432	9.3	9.1	15.7
60 hours and over	6,344	5,700	644	6.9	6.4	23.3
Average hours, total at work	38.8	38.6	43.3	--	--	--
Average hours, workers on full-time schedules	43.2	43.0	50.3	--	--	--

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

(Numbers in thousands)

Reason for working less than 35 hours	March 1979					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	21,655	6,183	15,473	20,836	5,838	14,999
Economic reasons	3,311	1,377	1,934	3,111	1,251	1,860
Stuck work	1,621	1,018	603	1,475	904	571
Material shortages or repairs to plant and equipment	76	76	--	76	76	--
New job started during week	186	186	--	179	179	--
Job terminated during week	95	95	--	91	91	--
Could find only part-time work	1,331	--	1,331	1,290	--	1,290
Other reasons	18,345	4,806	13,539	17,724	4,586	13,138
Does not want, or unavailable for, full-time work	11,553	--	11,553	11,223	--	11,223
Vacation	726	726	--	702	702	--
Illness	2,017	1,844	173	1,965	1,814	151
Bad weather	502	502	--	389	389	--
Industrial dispute	14	14	--	14	14	--
Legal or religious holiday	57	57	--	55	55	--
Full time for this job	1,291	--	1,291	1,270	--	1,270
All other reasons	2,186	1,664	522	2,108	1,614	494
Average hours:						
Economic reasons	21.9	23.9	20.4	22.0	24.0	20.6
Other reasons	20.5	26.0	18.6	20.6	26.2	18.7
Worked 30 to 34 hours:						
Economic reasons	1,010	605	405	953	555	398
Other reasons	4,747	2,496	2,251	4,630	2,412	2,218

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

(Numbers in thousands)

Industry	March 1979								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				60 hours or less	41 to 60 hours	60 hours or more				
Total, 16 years and over ¹	88,727	3,111	13,138	72,478	48,846	9,822	13,810	38.6	43.0	
Wage and salary workers	82,168	2,761	11,964	67,443	46,666	9,240	11,537	38.4	42.6	
Construction	4,423	239	219	3,965	2,978	453	534	38.8	40.9	
Manufacturing	20,828	489	696	19,643	13,399	3,281	2,963	41.3	42.5	
Durable goods	12,796	169	281	12,346	8,332	2,116	1,898	41.9	42.7	
Nondurable goods	8,032	320	416	7,296	5,066	1,165	1,065	40.3	42.1	
Transportation and public utilities	5,643	157	419	5,067	3,427	665	975	41.0	43.4	
Wholesale and retail trade	16,662	757	4,409	11,496	7,174	1,863	2,459	36.1	43.4	
Finance, insurance, and real estate	5,098	84	571	4,443	3,293	485	665	38.9	41.7	
Service industries	23,969	947	5,358	17,664	12,584	1,895	3,185	36.1	42.4	
Private households	1,156	135	671	350	246	35	69	22.7	43.3	
All other industries	22,813	812	4,687	17,314	12,338	1,860	3,116	36.6	42.4	
Public administration	4,761	63	273	4,425	3,396	468	561	40.2	41.8	
Self-employed workers	6,045	330	949	4,766	2,008	559	2,199	42.1	48.8	
Unpaid family workers	514	20	225	269	171	23	75	34.2	44.8	

¹ 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 1979							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	88,727	3,111	13,138	72,478	48,846	23,632	38.6	43.0
16 to 21 years	11,781	719	4,663	6,399	4,972	1,427	29.8	40.2
16 to 19 years	6,903	416	3,733	2,754	2,159	595	26.0	39.8
16 to 17 years	2,677	100	2,181	396	338	58	18.7	36.7
18 to 19 years	4,226	316	1,552	2,358	1,820	538	30.6	40.3
20 years and over	81,824	2,696	9,405	69,723	46,688	23,035	39.7	43.1
20 to 24 years	12,766	652	1,762	10,352	7,570	2,782	37.5	41.6
25 years and over	69,057	2,043	7,643	59,371	39,116	20,255	40.1	43.3
25 to 44 years	41,088	1,227	3,901	35,960	23,129	12,831	40.6	43.5
45 to 64 years	25,552	714	2,515	22,323	15,208	7,115	40.3	43.2
65 years and over	2,417	103	1,226	1,088	780	308	28.3	41.7
Males, 16 years and over	50,858	1,321	3,877	45,660	27,320	18,340	41.9	44.4
16 to 21 years	6,047	354	2,145	3,548	2,529	1,019	31.5	41.2
16 to 19 years	3,524	200	1,745	1,579	1,145	434	27.8	40.9
16 to 17 years	1,353	64	1,046	243	192	51	20.0	36.1
18 to 19 years	2,171	136	699	1,336	952	384	32.7	41.4
20 years and over	47,334	1,122	2,131	44,081	26,174	17,907	42.9	44.6
20 to 24 years	6,746	315	678	5,753	3,796	1,957	39.5	42.8
25 years and over	40,588	807	1,454	38,327	22,380	15,947	43.5	44.8
25 to 44 years	24,057	494	454	23,109	13,003	10,106	44.3	45.2
45 to 64 years	15,129	264	354	14,511	8,904	5,607	43.5	44.4
65 years and over	1,402	49	646	707	471	236	30.0	42.6
Females, 16 years and over	37,869	1,790	9,262	26,817	21,527	5,290	34.3	40.5
16 to 21 years	5,734	365	2,518	2,851	2,442	409	28.0	39.0
16 to 19 years	3,379	216	1,988	1,175	1,014	161	24.1	38.4
16 to 17 years	1,324	36	1,135	153	144	9	17.3	34.5
18 to 19 years	2,055	181	853	1,021	868	153	28.4	36.9
20 years and over	34,489	1,573	7,273	25,643	20,513	5,130	35.3	40.6
20 to 24 years	6,020	337	1,085	4,598	3,774	824	35.3	40.1
25 years and over	28,470	1,236	6,190	21,044	16,739	4,305	35.3	40.7
25 to 44 years	17,031	733	3,447	12,851	10,128	2,723	35.5	40.5
45 to 64 years	10,423	449	2,162	7,812	6,301	1,511	35.9	40.9
65 years and over	1,016	54	580	382	310	72	25.9	40.0
RACE								
White	78,794	2,570	11,955	64,269	42,194	22,075	38.8	43.2
Males	45,762	1,110	3,502	41,150	23,888	17,262	42.1	44.7
Females	33,032	1,460	8,453	23,119	18,306	4,813	34.2	40.6
Black and other	9,933	542	1,183	8,208	6,652	1,556	37.3	41.0
Males	5,096	212	374	4,510	3,432	1,078	39.2	41.9
Females	4,837	330	809	3,698	3,220	478	35.2	39.9
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	35,664	616	1,134	33,914	19,514	14,400	43.7	44.9
Widowed, divorced, or separated	3,789	145	188	3,456	2,096	1,360	42.3	44.4
Single (never married)	11,405	562	2,554	8,289	5,708	2,581	35.9	42.5
Females, 16 years and over:								
Married, spouse present	21,286	955	5,384	14,947	12,190	2,757	34.3	40.3
Widowed, divorced, or separated	7,135	353	1,053	5,729	4,443	1,286	36.9	41.0
Single (never married)	9,448	483	2,825	6,140	4,891	1,249	32.5	40.5

HOUSEHOLD DATA

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

[Numbers in thousands]

Occupational group and sex	March 1979								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 49 hours	50 hours or more		
Total, 16 years and over	89,149	3,140	13,225	72,784	49,009	9,869	13,906	38.6	40.3
White-collar workers	47,406	1,038	6,946	39,422	25,820	4,795	8,807	39.4	43.5
Professional and technical	14,732	260	1,782	12,690	8,043	1,593	3,054	40.4	43.9
Managers and administrators, except farm	9,984	106	392	9,486	4,478	1,412	3,596	46.0	47.4
Sales workers	5,740	193	1,501	4,046	2,320	483	1,243	36.9	44.5
Clerical workers	16,950	479	3,272	13,199	10,978	1,307	914	35.5	40.0
Blue-collar workers	29,525	1,297	2,087	26,141	17,794	4,234	4,113	40.0	42.5
Craft and kindred workers	11,828	373	411	11,044	7,177	1,863	2,004	41.5	42.9
Operatives, except transport	10,370	502	633	9,235	6,703	1,494	1,038	39.6	41.8
Transport equipment operatives	3,349	154	285	2,910	1,655	517	738	41.6	44.8
Nonfarm laborers	3,978	268	758	2,952	2,260	360	332	35.3	41.0
Service workers	12,218	805	4,192	7,221	5,395	840	986	32.3	42.0
Private household	1,044	108	618	318	215	36	67	23.0	44.0
Other service workers	11,175	697	3,574	6,904	5,181	804	919	33.2	41.9
Males, 16 years and over	51,149	1,341	3,918	45,890	27,425	7,043	11,422	41.8	42.1
White-collar workers	22,433	259	1,394	20,780	10,932	2,898	6,950	44.1	46.1
Professional and technical	8,416	96	515	7,805	4,437	1,004	2,364	43.5	45.5
Managers and administrators, except farm	7,586	57	147	7,382	3,136	1,094	3,152	47.6	48.4
Sales workers	3,208	54	368	2,786	1,366	373	1,047	42.5	46.2
Clerical workers	3,223	52	365	2,806	1,993	426	387	38.9	41.9
Blue-collar workers	24,154	904	1,471	21,779	14,254	3,682	3,843	40.7	43.0
Craft and kindred workers	11,187	339	302	10,546	6,806	1,750	1,950	41.7	43.0
Operatives, except transport	6,366	198	338	5,830	3,910	1,055	865	41.0	42.8
Transport equipment operatives	3,084	129	165	2,790	1,569	499	722	42.7	45.0
Nonfarm laborers	3,517	238	666	2,613	1,970	337	306	35.4	41.2
Service workers	4,562	178	1,053	3,331	2,239	463	629	36.6	43.6
Private household	23	1	11	11	5	8	2	30.9	48.1
Other service workers	4,539	177	1,042	3,320	2,235	459	626	36.7	43.6
Females, 16 years and over	38,000	1,800	9,308	26,892	21,581	2,827	2,484	34.3	37.3
White-collar workers	24,973	779	5,552	18,642	14,888	1,897	1,857	35.2	40.6
Professional and technical	6,316	164	1,267	4,885	3,607	588	690	36.1	41.4
Managers and administrators, except farm	2,398	50	245	2,103	1,340	318	445	41.0	43.9
Sales workers	2,532	139	1,133	1,260	955	110	195	29.7	40.8
Clerical workers	13,728	426	2,907	10,395	8,987	881	527	34.8	39.5
Blue-collar workers	5,371	394	616	4,361	3,539	552	270	36.7	40.1
Craft and kindred workers	640	35	109	496	369	73	54	37.2	41.1
Operatives, except transport	4,005	304	295	3,406	2,794	438	174	37.4	39.9
Transport equipment operatives	265	24	119	122	88	18	16	29.3	41.3
Nonfarm laborers	461	31	92	338	288	24	26	34.2	39.6
Service workers	7,656	627	3,140	3,889	3,154	378	357	29.7	40.5
Private household	1,021	106	608	307	211	32	64	22.8	43.9
Other service workers	6,636	520	2,532	3,584	2,947	345	292	30.8	40.2

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

[Numbers in thousands]

Employment status	March 1979								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,006	4,074	3,932	6,695	3,415	3,280	1,311	659	652
Civilian labor force	1,338	721	617	1,264	673	590	75	48	27
Employed	1,154	604	550	1,106	574	533	48	31	17
Agriculture	93	77	15	93	78	15	--	--	--
Nonagricultural industries	1,061	527	534	1,013	496	517	48	31	17
Unemployed	184	117	68	157	100	58	27	17	10
Unemployment rate	13.8	16.2	11.0	12.4	14.9	9.8	36.0	(1)	(1)
Not in labor force	6,668	3,353	3,315	5,431	2,742	2,689	1,236	611	625
Keeping house	38	5	33	21	4	17	16	--	16
Going to school	6,407	3,234	3,174	5,227	2,642	2,585	1,180	591	589
Unable to work	10	7	3	8	7	1	2	1	1
All other reasons	212	108	105	174	89	85	38	18	19

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

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

Characteristics	March 1979					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,154	604	550	100.0	100.0	100.0
Nonagricultural industries	1,061	527	534	92.0	87.4	97.4
Wage and salary workers	952	485	507	82.6	73.8	92.5
Private household workers	339	53	285	29.4	8.8	52.0
Government workers	39	25	14	3.4	4.1	2.6
Other wage and salary workers	574	367	207	49.8	60.9	37.8
Self-employed workers	102	75	26	8.8	12.4	4.7
Unpaid family workers	7	6	1	.6	1.0	.2
Agriculture	93	77	15	8.1	12.8	2.7
Wage and salary workers	48	45	3	4.2	7.5	.5
Self-employed workers	4	4	--	.3	.7	--
Unpaid family workers	40	28	12	3.5	4.6	2.2
OCCUPATION						
Total	1,154	604	550	100.0	100.0	100.0
White-collar workers	325	226	99	28.2	37.4	18.0
Professional and technical	12	6	5	1.0	1.0	.9
Managers and administrators, except farm	1	--	2	.1	--	.4
Sales workers	241	197	44	20.9	32.6	8.0
Clerical workers	72	24	48	6.2	4.0	8.7
Blue-collar workers	148	130	18	12.8	21.5	3.3
Craft and kindred workers	15	15	--	1.3	2.5	--
Operatives, except transport	28	24	5	2.4	4.0	.9
Transport equipment operatives	7	7	1	.6	1.2	.2
Nonfarm laborers	97	84	13	8.4	13.9	2.4
Service workers	595	177	418	51.6	29.3	75.9
Private household workers	320	30	290	27.7	5.0	52.6
Other service workers	275	147	128	23.8	24.3	23.2
Farm workers	86	71	15	7.5	11.7	2.7
Farmers and farm managers	1	1	--	.1	.2	--
Farm laborers and supervisors	85	70	15	7.4	11.6	2.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Employment status	1978											1979	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Total noninstitutional population ¹	160,313	160,504	160,713	160,928	161,148	161,348	161,570	161,829	162,033	162,250	162,448	162,633	162,909
Armed Forces	2,122	2,118	2,113	2,098	2,116	2,122	2,123	2,122	2,117	2,108	2,094	2,094	2,090
Civilian noninstitutional population ¹	158,190	158,386	158,601	158,830	159,032	159,226	159,447	159,707	159,916	160,142	160,353	160,539	160,819
Civilian labor force	99,435	99,767	100,109	100,504	100,622	100,663	100,974	101,077	101,628	101,867	102,163	102,527	102,714
Percent of civilian population	62.9	63.0	63.1	63.3	63.3	63.2	63.3	63.3	63.6	63.6	63.7	63.9	63.9
Employed	93,282	93,704	93,953	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300	96,647	96,842
Percent of total population	58.2	58.4	58.5	58.8	58.6	58.7	58.8	58.9	59.1	59.1	59.3	59.4	59.4
Agriculture	3,334	3,274	3,243	3,424	3,377	3,351	3,406	3,374	3,275	3,387	3,232	3,311	3,343
Nonagricultural industries	89,948	90,430	90,710	91,216	91,069	91,372	91,604	91,867	92,476	92,468	93,068	93,335	93,499
Unemployed	6,153	6,063	6,156	5,864	6,176	5,940	5,964	5,836	5,877	6,012	5,883	5,881	5,871
Unemployment rate	6.2	6.1	6.1	5.8	6.1	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.7
Not in labor force	58,755	58,619	58,492	58,326	58,410	58,563	58,473	58,630	58,288	58,275	58,170	58,012	58,105
Males, 20 years and over													
Total noninstitutional population ¹	68,327	68,419	68,519	68,623	68,729	68,827	68,937	69,081	69,182	69,268	69,385	69,476	69,612
Civilian noninstitutional population ¹	66,645	66,740	66,845	66,947	67,039	67,127	67,236	67,382	67,486	67,600	67,726	67,816	67,939
Civilian labor force	53,235	53,276	53,383	53,449	53,401	53,396	53,459	53,593	53,938	54,033	54,333	54,485	54,444
Percent of civilian population	79.9	79.8	79.9	79.8	79.7	79.5	79.5	79.5	79.9	79.9	80.2	80.3	80.1
Employed	50,841	50,997	51,119	51,337	51,214	51,215	51,287	51,448	51,825	51,838	52,133	52,331	52,264
Percent of total population	74.4	74.5	74.6	74.6	74.5	74.4	74.4	74.5	74.9	74.8	75.1	75.3	75.1
Agriculture	2,320	2,309	2,324	2,406	2,396	2,357	2,409	2,363	2,337	2,403	2,293	2,324	2,355
Nonagricultural industries	48,521	48,688	48,795	48,931	48,818	48,858	48,878	49,085	49,488	49,435	49,841	50,007	49,909
Unemployed	2,394	2,279	2,264	2,112	2,187	2,181	2,172	2,145	2,113	2,195	2,200	2,154	2,180
Unemployment rate	4.5	4.3	4.2	4.0	4.1	4.1	4.1	4.0	3.9	4.1	4.0	4.0	4.0
Not in labor force	13,410	13,464	13,462	13,498	13,638	13,731	13,777	13,789	13,548	13,567	13,393	13,331	13,495
Females, 20 years and over													
Total noninstitutional population ¹	75,196	75,300	75,412	75,527	75,643	75,753	75,873	75,998	76,110	76,227	76,337	76,440	76,589
Civilian noninstitutional population ¹	75,093	75,198	75,310	75,422	75,537	75,645	75,764	75,889	76,001	76,119	76,228	76,332	76,476
Civilian labor force	36,847	37,085	37,208	37,392	37,573	37,543	37,921	37,860	38,095	38,217	38,185	38,429	38,642
Percent of civilian population	49.1	49.3	49.4	49.6	49.7	49.6	50.1	49.9	50.1	50.2	50.1	50.3	50.5
Employed	34,678	34,874	34,886	35,098	35,160	35,312	35,691	35,726	35,887	35,990	36,019	36,252	36,440
Percent of total population	46.1	46.3	46.3	46.5	46.5	46.6	47.0	47.0	47.2	47.2	47.2	47.4	47.6
Agriculture	621	600	536	608	593	581	597	587	571	591	586	608	613
Nonagricultural industries	34,057	34,274	34,350	34,490	34,567	34,731	35,094	35,139	35,316	35,399	35,433	35,644	35,827
Unemployed	2,169	2,211	2,322	2,294	2,413	2,231	2,230	2,134	2,208	2,227	2,166	2,177	2,201
Unemployment rate	5.9	6.0	6.2	6.1	6.4	5.9	5.9	5.6	5.8	5.8	5.7	5.7	5.7
Not in labor force	38,246	38,113	38,102	38,030	37,964	38,102	37,843	38,029	37,906	37,902	38,043	37,903	37,834
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,790	16,785	16,782	16,779	16,776	16,768	16,760	16,750	16,741	16,734	16,725	16,717	16,709
Civilian noninstitutional population ¹	16,452	16,449	16,446	16,461	16,455	16,455	16,446	16,436	16,429	16,422	16,400	16,391	16,404
Civilian labor force	9,353	9,406	9,518	9,663	9,648	9,724	9,594	9,624	9,595	9,617	9,665	9,613	9,628
Percent of civilian population	56.9	57.2	57.9	58.7	58.6	59.1	58.3	58.6	58.4	58.6	58.9	58.6	58.7
Employed	7,763	7,833	7,948	8,205	8,072	8,196	8,032	8,067	8,039	8,027	8,148	8,064	8,138
Percent of total population	46.2	46.7	47.4	48.9	48.1	48.9	47.9	48.2	48.0	48.0	48.7	48.2	48.7
Agriculture	393	365	383	410	388	413	400	424	367	393	354	380	375
Nonagricultural industries	7,370	7,468	7,565	7,795	7,684	7,783	7,632	7,643	7,672	7,634	7,794	7,684	7,763
Unemployed	1,590	1,573	1,570	1,458	1,576	1,528	1,562	1,557	1,556	1,590	1,517	1,549	1,490
Unemployment rate	17.0	16.7	16.5	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7	16.1	15.5
Not in labor force	7,099	7,043	6,928	6,798	6,807	6,731	6,852	6,812	6,834	6,805	6,735	6,778	6,776

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

NOTE: Detail for the household data shown in tables A-33 through A-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	1978											1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
FULL TIME														
Total, 16 years and over:														
Civilian labor force	84,628	84,842	84,957	85,965	85,894	86,030	85,899	86,185	86,391	86,631	87,025	87,373	87,567	
Employed	79,850	80,166	80,175	81,436	81,004	81,389	81,247	81,680	81,900	82,034	82,525	82,789	83,067	
Unemployed	4,778	4,676	4,782	4,529	4,890	4,641	4,652	4,505	4,491	4,597	4,500	4,584	4,499	
Unemployment rate	5.6	5.5	5.6	5.3	5.7	5.4	5.4	5.2	5.2	5.3	5.2	5.2	5.1	
PART TIME														
Total, 16 years and over:														
Civilian labor force	14,782	14,880	15,106	14,506	14,749	14,720	14,952	14,996	15,150	15,205	15,196	15,213	15,097	
Employed	13,388	13,481	13,717	13,206	13,431	13,436	13,635	13,642	13,800	13,802	13,810	13,907	13,706	
Unemployed	1,394	1,399	1,389	1,300	1,318	1,284	1,317	1,354	1,350	1,403	1,385	1,306	1,391	
Unemployment rate	9.4	9.4	9.2	9.0	8.9	8.7	8.8	9.0	8.9	9.2	9.1	8.6	9.2	

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employment 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	1978											1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
WHITE														
Total, 16 years and over:														
Civilian labor force	87,554	87,902	88,168	88,626	88,503	88,655	88,862	89,067	89,468	89,747	90,093	90,395	90,415	
Employed	82,902	83,303	83,499	84,171	83,857	84,060	84,250	84,565	85,013	85,125	85,543	85,941	85,938	
Unemployed	4,652	4,599	4,669	4,455	4,646	4,595	4,612	4,502	4,455	4,622	4,550	4,453	4,478	
Unemployment rate	5.3	5.2	5.3	5.0	5.2	5.2	5.2	5.1	5.0	5.2	5.1	4.9	5.0	
Males, 20 years and over:														
Civilian labor force	47,525	47,577	47,668	47,810	47,710	47,707	47,684	47,791	48,103	48,202	48,466	48,639	48,527	
Employed	45,649	45,837	45,915	46,144	45,992	45,996	45,968	46,098	46,477	46,492	46,737	47,006	46,877	
Unemployed	1,876	1,740	1,753	1,666	1,718	1,711	1,716	1,693	1,626	1,710	1,729	1,633	1,650	
Unemployment rate	3.9	3.7	3.7	3.5	3.6	3.6	3.6	3.5	3.4	3.5	3.6	3.4	3.4	
Females, 20 years and over:														
Civilian labor force	31,701	31,955	32,055	32,214	32,343	32,265	32,602	32,677	32,809	32,981	32,978	33,225	33,302	
Employed	30,123	30,279	30,303	30,490	30,565	30,574	30,912	31,074	31,161	31,287	31,340	31,567	31,638	
Unemployed	1,578	1,676	1,752	1,724	1,778	1,691	1,690	1,603	1,648	1,694	1,638	1,658	1,664	
Unemployment rate	5.0	5.2	5.5	5.4	5.5	5.2	5.2	4.9	5.0	5.1	5.0	5.0	5.0	
Both sexes, 16 to 19 years:														
Civilian labor force	8,328	8,370	8,445	8,602	8,450	8,683	8,576	8,599	8,556	8,564	8,649	8,531	8,586	
Employed	7,130	7,187	7,281	7,537	7,300	7,490	7,370	7,393	7,375	7,346	7,466	7,368	7,422	
Unemployed	1,198	1,183	1,164	1,065	1,150	1,193	1,206	1,206	1,181	1,218	1,183	1,163	1,164	
Unemployment rate	14.4	14.1	13.8	12.4	13.6	13.7	14.1	14.0	13.8	14.2	13.7	13.6	13.6	
BLACK AND OTHER														
Total, 16 years and over:														
Civilian labor force	11,852	11,802	11,906	11,974	12,010	11,994	12,084	12,122	12,163	12,153	12,077	12,228	12,251	
Employed	10,372	10,391	10,437	10,537	10,533	10,616	10,721	10,749	10,746	10,758	10,725	10,775	10,878	
Unemployed	1,480	1,411	1,469	1,437	1,477	1,378	1,363	1,373	1,417	1,395	1,352	1,452	1,374	
Unemployment rate	12.5	12.0	12.3	12.0	12.3	11.5	11.3	11.3	11.7	11.5	11.2	11.9	11.2	
Males, 20 years and over:														
Civilian labor force	5,688	5,665	5,713	5,721	5,703	5,692	5,759	5,808	5,829	5,867	5,810	5,841	5,874	
Employed	5,189	5,158	5,208	5,250	5,228	5,195	5,286	5,327	5,345	5,376	5,356	5,339	5,357	
Unemployed	499	507	505	471	475	497	473	481	484	491	455	502	517	
Unemployment rate	8.8	8.9	8.8	8.2	8.3	8.7	8.2	8.3	8.3	8.4	7.8	8.6	8.8	
Females, 20 years and over:														
Civilian labor force	5,126	5,114	5,142	5,191	5,172	5,266	5,287	5,277	5,266	5,224	5,223	5,279	5,316	
Employed	4,546	4,572	4,580	4,615	4,580	4,722	4,759	4,743	4,723	4,691	4,667	4,722	4,793	
Unemployed	580	542	562	576	592	544	528	534	543	533	556	557	523	
Unemployment rate	11.3	10.6	10.9	11.1	11.4	10.3	10.0	10.1	10.3	10.2	10.6	10.6	9.8	
Both sexes, 16 to 19 years:														
Civilian labor force	1,038	1,023	1,051	1,062	1,135	1,036	1,038	1,037	1,068	1,062	1,044	1,107	1,061	
Employed	637	661	649	672	725	699	676	679	678	691	703	714	727	
Unemployed	401	362	402	390	410	337	362	358	390	371	341	393	334	
Unemployment rate	38.6	35.4	38.2	36.7	36.1	32.5	34.9	34.5	36.5	34.9	32.7	35.5	31.5	

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1978											1979	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTICS													
Total (all civilian workers)	6.2	6.1	6.1	5.8	6.1	5.9	5.9	5.8	5.8	5.9	5.8	5.7	5.7
Males, 20 years and over	4.5	4.3	4.2	4.0	4.1	4.1	4.1	4.0	3.9	4.1	4.0	4.0	4.0
Females, 20 years and over	5.9	6.0	6.2	6.1	6.4	5.9	5.9	5.6	5.8	5.8	5.7	5.7	5.7
Both sexes, 16-19 years	17.0	16.7	16.5	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7	16.1	15.5
White	5.3	5.2	5.3	5.0	5.2	5.2	5.2	5.1	5.0	5.2	5.1	4.9	5.0
Black and other	12.5	12.0	12.3	12.0	12.3	11.5	11.3	11.3	11.7	11.5	11.2	11.9	11.2
Married men, spouse present	3.0	2.8	2.9	2.7	2.7	2.8	2.6	2.6	2.4	2.5	2.6	2.6	2.6
Married women, spouse present	5.2	5.1	6.0	5.6	5.5	5.6	5.5	5.3	5.5	5.6	5.3	5.1	5.1
Women who head families	8.7	10.1	9.3	8.8	9.8	8.0	8.0	7.5	7.7	7.7	7.8	8.3	8.3
Full-time workers	5.6	5.5	5.6	5.3	5.7	5.4	5.4	5.2	5.2	5.3	5.2	5.2	5.1
Part-time workers	9.4	9.4	9.2	9.0	8.9	8.7	8.8	9.0	8.9	9.2	9.1	8.6	9.2
Unemployed 15 weeks and over ¹	1.5	1.5	1.4	1.3	1.3	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.3
Labor force time lost ²	6.7	6.5	6.6	6.5	6.8	6.5	6.4	6.2	6.2	6.2	6.2	6.2	6.1
OCCUPATION													
White-collar workers	3.5	3.6	3.7	3.6	3.7	3.5	3.5	3.3	3.2	3.5	3.3	3.4	3.4
Professional and technical	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.8	2.4	3.0	2.5	2.3	2.1
Managers and administrators, except farm	2.2	2.0	2.1	1.9	2.2	1.9	2.2	1.8	2.2	1.9	2.0	1.9	2.2
Sales workers	4.4	4.3	4.5	4.4	4.3	4.1	4.3	4.1	3.1	3.6	3.8	4.3	4.1
Clerical workers	4.6	5.1	5.3	5.1	5.3	4.9	4.7	4.2	4.5	4.6	4.6	4.7	4.9
Blue-collar workers	7.2	6.7	6.7	6.6	6.7	6.9	6.8	6.8	6.4	6.8	6.4	6.4	6.6
Craft and kindred workers	5.0	4.4	4.4	4.3	4.0	4.5	4.7	4.9	4.0	4.7	4.5	4.7	4.6
Operatives, except transport	8.2	8.0	8.4	8.1	8.2	8.8	8.1	7.6	7.5	7.7	7.6	7.6	7.7
Transport equipment operatives	5.3	5.5	5.6	4.9	5.7	5.6	5.2	4.8	4.2	5.3	4.9	5.0	5.2
Nonfarm laborers	11.7	10.3	8.8	10.2	10.6	9.7	10.5	11.0	11.6	11.0	9.4	9.3	10.3
Service workers	7.7	7.7	7.6	7.2	7.4	7.1	7.4	7.1	7.4	7.7	7.5	7.1	7.2
Farm workers	4.5	3.2	3.6	3.2	3.9	3.6	3.5	4.6	3.2	3.4	2.8	3.6	3.2
INDUSTRY													
Nonagricultural private wage and salary workers ³	6.1	5.9	6.0	5.7	6.0	5.8	5.8	5.6	5.6	5.6	5.7	5.6	5.5
Construction	11.0	9.8	9.6	9.5	9.6	9.4	10.6	11.2	10.8	12.1	10.6	11.5	10.2
Manufacturing	5.6	5.4	5.7	5.6	5.5	5.6	5.3	5.1	5.1	5.0	5.0	4.8	5.2
Durable goods	5.0	4.5	5.1	4.9	5.0	5.4	4.8	4.6	4.6	4.4	4.4	4.1	4.3
Nondurable goods	6.4	6.5	6.5	6.6	6.3	5.8	6.1	6.0	5.8	6.0	5.9	5.8	6.4
Transportation	3.9	3.8	3.9	3.9	4.1	3.8	3.6	3.4	3.3	3.3	3.5	3.0	4.0
Wholesale and retail trade	7.3	7.1	6.9	6.4	6.8	6.5	6.7	6.7	6.5	6.8	6.5	6.6	6.2
Finance and service industries	5.2	5.2	5.2	4.8	5.4	5.2	5.1	4.6	5.0	5.1	5.1	4.8	4.7
Government workers	3.8	3.9	4.0	4.0	4.1	3.6	3.9	3.9	3.9	4.0	4.0	3.7	4.1
Agricultural wage and salary workers	9.7	7.9	7.9	8.4	9.6	8.7	8.7	9.5	7.9	7.7	7.2	8.9	7.7

¹ Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

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

³ Includes mining, not shown separately.

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

[Numbers in thousands]

Weeks of unemployment	1978											1979	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,789	2,747	2,862	2,772	2,967	2,795	2,783	2,719	2,833	2,876	2,713	2,743	2,751
5 to 14 weeks	1,909	1,856	1,842	1,908	1,873	1,895	1,861	1,789	1,774	1,979	1,877	1,870	1,857
15 weeks and over	1,488	1,486	1,404	1,266	1,314	1,234	1,268	1,317	1,196	1,208	1,251	1,260	1,305
15 to 26 weeks	787	809	723	674	668	625	663	732	685	726	728	712	729
27 weeks and over	701	677	681	592	646	609	605	585	511	482	523	548	576
Average (mean) duration, in weeks	12.4	12.4	12.2	12.0	11.8	11.4	11.5	11.8	11.0	10.7	11.2	11.3	11.7
Median duration, in weeks	6.2	5.9	5.3	6.0	6.0	6.0	5.9	5.9	5.4	5.6	5.9	6.3	5.8
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	45.1	45.1	46.9	46.6	48.2	47.2	47.1	46.7	48.8	47.4	46.4	46.7	46.5
5 to 14 weeks	30.9	30.5	30.2	32.1	30.4	32.0	31.5	30.7	30.6	32.6	32.1	31.8	31.4
15 weeks and over	24.1	24.4	23.0	21.3	21.4	20.8	21.4	22.6	20.6	19.9	21.4	21.4	22.1
15 to 26 weeks	12.7	13.3	11.8	11.3	10.9	10.6	11.2	12.6	11.8	12.0	12.5	12.1	12.3
27 weeks and over	11.3	11.1	11.1	10.0	10.5	10.3	10.2	10.0	8.8	7.9	9.0	9.3	9.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1978											1979	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	6.2	6.1	6.1	5.8	6.1	5.9	5.9	5.8	5.8	5.9	5.8	5.7	5.7
16 to 19 years.....	17.0	16.7	16.5	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7	16.1	15.5
16 to 17 years.....	20.1	19.6	19.1	17.1	20.0	18.6	19.2	19.2	19.3	20.2	18.4	18.4	18.9
18 to 19 years.....	15.0	14.4	14.6	13.4	13.9	13.5	14.0	14.0	14.0	13.8	13.6	14.6	13.1
20 to 24 years.....	10.2	10.0	9.1	9.4	9.9	9.0	9.3	8.6	9.0	9.3	8.6	8.6	8.8
25 years and over.....	4.0	4.0	4.2	3.9	4.1	4.1	4.0	3.9	3.8	3.9	3.9	3.9	3.9
25 to 54 years.....	4.3	4.2	4.5	4.1	4.3	4.3	4.1	4.2	4.0	4.2	4.2	4.1	4.1
55 years and over.....	3.2	3.2	3.3	3.2	3.2	3.0	3.3	3.0	2.9	2.9	2.9	3.0	3.1
Males, 16 years and over	5.6	5.3	5.2	4.8	5.1	5.0	5.1	5.1	5.0	5.1	5.1	5.0	5.0
16 to 19 years.....	16.7	16.3	15.3	13.7	15.4	14.8	15.5	16.1	15.9	16.7	16.1	16.5	16.0
16 to 17 years.....	20.2	19.5	18.4	16.8	18.6	17.7	19.1	19.9	20.1	20.7	19.1	19.2	19.9
18 to 19 years.....	14.1	13.4	13.1	12.0	13.0	12.5	12.6	13.2	12.7	13.6	13.5	14.7	13.2
20 to 24 years.....	10.0	9.3	8.0	8.4	8.9	8.8	8.6	8.5	8.5	8.9	8.4	8.2	8.4
25 years and over.....	3.5	3.4	3.5	3.1	3.3	3.3	3.3	3.3	3.1	3.2	3.2	3.2	3.2
25 to 54 years.....	3.6	3.4	3.5	3.2	3.3	3.5	3.4	3.4	3.2	3.4	3.3	3.2	3.3
55 years and over.....	3.2	3.3	3.3	3.1	3.4	2.9	3.0	2.8	2.5	2.6	2.8	2.8	2.8
Females, 16 years and over	7.1	7.2	7.5	7.3	7.6	7.1	7.1	6.8	6.9	6.9	6.7	6.7	6.7
16 to 19 years.....	17.4	17.2	17.8	16.6	17.4	16.8	17.1	16.3	16.5	16.3	15.3	15.7	14.8
16 to 17 years.....	19.9	19.7	20.0	17.6	21.6	19.7	19.4	18.4	18.3	19.6	17.5	17.4	17.8
18 to 19 years.....	15.9	15.5	16.2	15.0	14.8	14.6	15.6	14.8	15.5	14.1	13.6	14.4	13.0
20 to 24 years.....	10.4	10.8	10.5	10.5	11.0	9.2	10.1	8.7	9.6	9.7	8.9	9.1	9.4
25 years and over.....	4.9	4.9	5.4	5.1	5.4	5.2	4.9	4.9	4.9	5.0	5.0	4.9	4.8
25 to 54 years.....	5.3	5.3	5.9	5.6	5.8	5.6	5.2	5.2	5.2	5.3	5.4	5.3	5.2
55 years and over.....	3.2	3.1	3.2	3.2	2.9	3.2	3.6	3.3	3.5	3.3	3.1	3.3	3.6

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

(Numbers in thousands)

Reason for unemployment	1978											1979	
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers.....	2,562	2,556	2,614	2,379	2,536	2,459	2,362	2,456	2,372	2,442	2,454	2,481	2,440
On layoff.....	691	637	701	636	696	700	683	644	746	715	753	792	789
Other job losers.....	1,871	1,919	1,913	1,743	1,840	1,759	1,679	1,812	1,626	1,727	1,701	1,689	1,652
Job leavers.....	858	877	828	853	855	840	849	812	825	871	927	829	863
Reentrants.....	1,878	1,750	1,793	1,785	1,870	1,743	1,930	1,721	1,754	1,937	1,692	1,756	1,788
New entrants.....	912	905	892	816	871	875	816	825	872	826	823	874	822
PERCENT DISTRIBUTION													
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	41.3	42.0	42.7	40.8	41.4	41.6	39.7	42.2	40.7	40.2	41.6	41.8	41.3
On layoff.....	11.1	10.5	11.4	10.9	11.4	11.8	11.5	11.1	12.8	11.8	12.8	13.3	13.3
Other job losers.....	30.1	31.5	31.2	29.9	30.0	29.7	28.2	31.2	27.9	28.4	28.9	28.4	27.9
Job leavers.....	13.8	14.4	13.5	14.6	13.9	14.2	14.3	14.0	14.2	14.3	15.7	14.0	14.6
Reentrants.....	30.2	28.7	29.3	30.6	30.5	29.5	32.4	29.6	30.1	31.9	28.7	29.6	30.2
New entrants.....	14.7	14.9	14.6	14.0	14.2	14.8	13.7	14.2	15.0	13.6	14.0	14.7	13.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers.....	2.6	2.6	2.6	2.4	2.5	2.4	2.3	2.4	2.3	2.4	2.4	2.4	2.4
On layoff.....	.9	.9	.8	.8	.8	.8	.8	.8	.8	.9	.9	.8	.8
Reentrants.....	1.9	1.8	1.8	1.8	1.9	1.7	1.9	1.7	1.7	1.9	1.7	1.7	1.7
New entrants.....	.9	.9	.9	.8	.9	.9	.8	.8	.9	.8	.8	.9	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1978										1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	93,282	93,704	93,953	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300	96,647	96,842
16 to 19 years	7,763	7,833	7,948	8,205	8,072	8,196	8,032	8,067	8,039	8,027	8,148	8,064	8,138
16 to 17 years	3,145	3,222	3,282	3,365	3,287	3,370	3,293	3,308	3,276	3,300	3,354	3,372	3,323
18 to 19 years	4,601	4,643	4,665	4,789	4,736	4,814	4,749	4,773	4,783	4,730	4,835	4,731	4,803
20 to 24 years	13,222	13,385	13,432	13,532	13,483	13,626	13,666	13,773	13,701	13,760	13,859	13,992	13,959
25 years and over	72,276	72,497	72,557	72,879	72,922	72,761	73,332	73,530	73,976	74,070	74,299	74,641	74,703
25 to 54 years	58,261	58,395	58,378	58,645	58,789	58,750	59,191	59,329	59,630	59,781	59,903	60,193	60,329
55 years and over	14,014	14,107	14,107	14,239	14,148	14,114	14,124	14,137	14,340	14,327	14,394	14,452	14,382
Males, 16 years and over	55,042	55,184	55,372	55,766	55,531	55,580	55,594	55,754	56,096	56,072	56,449	56,549	56,559
16 to 19 years	4,201	4,187	4,253	4,429	4,317	4,365	4,307	4,306	4,271	4,234	4,316	4,218	4,295
16 to 17 years	1,759	1,738	1,778	1,831	1,766	1,810	1,775	1,751	1,734	1,744	1,795	1,779	1,788
18 to 19 years	2,448	2,481	2,455	2,558	2,520	2,562	2,549	2,558	2,559	2,494	2,541	2,455	2,519
20 to 24 years	7,200	7,306	7,348	7,371	7,304	7,378	7,378	7,432	7,478	7,443	7,541	7,585	7,516
25 years and over	43,622	43,699	43,772	43,934	43,894	43,807	43,950	44,026	44,340	44,411	44,589	44,772	44,711
25 to 54 years	34,957	35,019	35,046	35,121	35,183	35,087	35,237	35,261	35,481	35,560	35,709	35,845	35,880
55 years and over	8,676	8,676	8,702	8,801	8,721	8,719	8,711	8,760	8,867	8,872	8,896	8,901	8,841
Females, 16 years and over	38,240	38,520	38,581	38,874	38,915	39,143	39,416	39,487	39,655	39,783	39,851	40,098	40,283
16 to 19 years	3,562	3,646	3,695	3,776	3,755	3,831	3,725	3,761	3,768	3,793	3,832	3,846	3,843
16 to 17 years	1,386	1,484	1,504	1,534	1,521	1,560	1,518	1,557	1,542	1,556	1,559	1,593	1,535
18 to 19 years	2,153	2,162	2,210	2,231	2,216	2,252	2,200	2,215	2,224	2,236	2,294	2,276	2,284
20 to 24 years	6,022	6,079	6,084	6,161	6,179	6,248	6,288	6,341	6,223	6,317	6,318	6,407	6,444
25 years and over	28,654	28,798	28,785	28,945	29,028	28,954	29,382	29,504	29,636	29,659	29,710	29,869	29,993
25 to 54 years	23,304	23,376	23,332	23,524	23,606	23,663	23,954	24,068	24,149	24,221	24,194	24,348	24,449
55 years and over	5,338	5,431	5,405	5,438	5,427	5,395	5,413	5,377	5,473	5,455	5,496	5,551	5,541

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

[In thousands]

Sex and age	1978										1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	6,153	6,063	6,156	5,864	6,176	5,940	5,964	5,836	5,877	6,012	5,883	5,881	5,871
16 to 19 years	1,590	1,573	1,570	1,458	1,576	1,528	1,562	1,557	1,556	1,590	1,517	1,549	1,490
16 to 17 years	790	785	777	696	824	772	783	786	781	834	755	758	775
18 to 19 years	810	779	796	742	763	751	773	775	778	759	758	807	724
20 to 24 years	1,501	1,482	1,351	1,399	1,479	1,343	1,399	1,298	1,361	1,406	1,310	1,316	1,355
25 years and over	3,044	3,016	3,215	2,991	3,152	3,088	3,025	3,015	2,951	3,015	3,049	2,998	3,008
25 to 54 years	2,611	2,536	2,740	2,538	2,648	2,660	2,553	2,569	2,514	2,615	2,607	2,566	2,574
55 years and over	459	470	474	464	465	436	478	438	428	424	435	449	462
Males, 16 years and over	3,235	3,096	3,032	2,816	2,971	2,937	2,965	2,971	2,923	3,044	3,026	2,989	3,001
16 to 19 years	841	817	768	704	784	756	793	826	810	849	826	835	821
16 to 17 years	445	421	401	369	404	389	418	436	436	455	424	423	443
18 to 19 years	402	383	370	348	378	367	367	390	371	391	397	424	383
20 to 24 years	800	747	640	679	712	708	696	693	699	730	693	674	687
25 years and over	1,582	1,533	1,575	1,426	1,487	1,506	1,495	1,505	1,413	1,469	1,493	1,459	1,481
25 to 54 years	1,304	1,223	1,286	1,145	1,185	1,256	1,228	1,237	1,188	1,249	1,231	1,202	1,235
55 years and over	283	299	296	286	305	257	265	253	230	235	258	257	253
Females, 16 years and over	2,918	2,967	3,124	3,048	3,205	3,003	2,999	2,865	2,954	2,968	2,857	2,891	2,870
16 to 19 years	749	756	802	754	792	772	769	731	746	741	691	714	669
16 to 17 years	345	364	376	327	420	383	365	350	345	379	331	335	332
18 to 19 years	408	396	426	394	385	384	406	385	407	368	361	383	341
20 to 24 years	701	735	711	720	767	635	703	605	662	676	618	642	668
25 years and over	1,462	1,483	1,640	1,565	1,665	1,582	1,530	1,510	1,538	1,546	1,555	1,539	1,527
25 to 54 years	1,307	1,313	1,454	1,393	1,463	1,404	1,325	1,332	1,326	1,366	1,376	1,364	1,340
55 years and over	176	171	178	178	160	179	213	185	198	189	177	192	208

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Selected categories	1978										1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTICS													
Total, 16 years and over	93,282	93,704	93,953	94,640	94,446	94,723	95,010	95,241	95,751	95,655	96,300	96,647	96,842
Married men, spouse present	38,459	38,575	38,596	38,621	38,635	38,534	38,782	38,806	38,944	39,039	39,202	39,374	39,291
Married women, spouse present	21,672	21,713	21,694	21,749	21,837	21,737	22,133	22,194	22,274	22,297	22,410	22,632	22,700
OCCUPATION													
White-collar workers	46,763	46,795	46,885	47,225	47,276	47,325	47,550	47,713	47,888	48,040	48,275	49,001	49,133
Professional and technical Managers and administrators, except farm	14,087	14,186	14,356	14,318	14,249	14,246	14,182	14,307	14,297	14,629	14,743	15,034	15,083
Sales workers	10,136	10,184	9,972	10,146	10,212	10,180	10,062	9,968	10,030	10,217	10,322	10,414	10,407
Clerical workers	5,939	5,856	5,903	5,922	5,992	5,892	5,898	5,986	6,192	6,092	6,055	6,141	6,067
Blue-collar workers	16,601	16,569	16,654	16,839	16,823	17,007	17,408	17,452	17,369	17,102	17,154	17,412	17,577
Craft and kindred workers	31,085	31,452	31,477	31,554	31,282	31,506	31,891	31,986	32,202	31,962	32,491	32,331	32,085
Operatives, except transport Transport equipment operatives	12,181	12,277	12,233	12,429	12,220	12,557	12,628	12,556	12,646	12,610	12,842	12,932	12,808
Service workers	10,741	10,875	10,798	10,924	10,877	10,741	10,981	11,178	11,177	10,887	11,047	10,953	11,060
Nonfarm laborers	3,529	3,539	3,508	3,501	3,487	3,429	3,573	3,581	3,640	3,640	3,678	3,618	3,565
Farm workers	4,634	4,761	4,938	4,700	4,698	4,779	4,709	4,671	4,739	4,825	4,924	4,829	4,652
Service workers	12,666	12,814	12,838	12,987	12,803	12,866	12,754	12,951	13,009	13,007	12,777	12,770	12,856
Farm workers	2,799	2,726	2,708	2,874	2,797	2,794	2,855	2,821	2,739	2,826	2,759	2,742	2,803
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,398	1,406	1,434	1,443	1,386	1,423	1,442	1,423	1,424	1,478	1,365	1,429	1,419
Self-employed workers	1,558	1,555	1,577	1,664	1,641	1,611	1,648	1,638	1,563	1,625	1,547	1,550	1,595
Unpaid family workers	382	295	250	328	340	319	307	323	293	318	293	348	324
Nonagricultural industries:													
Wage and salary workers	83,150	83,622	84,016	84,456	84,064	84,508	84,786	85,363	85,578	85,579	86,169	86,346	86,592
Government	15,213	15,324	15,238	15,255	15,184	15,275	15,336	15,387	15,373	15,360	15,217	15,293	15,224
Private industries	67,937	68,298	68,778	69,201	68,880	69,233	69,450	69,976	70,205	70,219	70,952	71,053	71,368
Private households	1,300	1,395	1,410	1,370	1,371	1,368	1,361	1,315	1,335	1,316	1,245	1,334	1,255
Other industries	66,637	66,903	67,368	67,831	67,509	67,865	68,089	68,661	68,870	68,903	69,707	69,719	70,112
Self-employed workers	6,389	6,443	6,274	6,216	6,216	6,219	6,224	6,314	6,370	6,515	6,529	6,632	6,585
Unpaid family workers	488	499	497	466	485	449	470	453	455	460	478	456	443
PERSONS AT WORK¹													
Nonagricultural industries	84,434	85,797	85,401	86,011	86,102	86,350	86,329	86,511	86,653	87,046	87,490	87,592	87,955
Full-time schedules	69,495	70,481	70,090	70,723	70,929	71,205	71,085	71,318	71,394	71,787	72,209	72,250	72,623
Part-time for economic reasons	3,184	3,310	3,247	3,433	3,316	3,298	3,203	3,164	3,131	3,058	3,159	3,147	3,179
Usually work full-time	1,238	1,231	1,211	1,409	1,347	1,350	1,283	1,167	1,279	1,209	1,208	1,205	1,235
Usually work part-time	1,946	2,079	2,036	2,024	1,969	1,948	1,920	1,997	1,852	1,849	1,951	1,942	1,944
Part-time for noneconomic reasons	11,755	12,006	12,064	11,855	11,857	11,847	12,041	12,029	12,128	12,201	12,122	12,195	12,154

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

HOUSEHOLD DATA

A-43. Employment status of male Vietnam-era veterans and nonveterans 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		
	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979	Mar. 1978	Mar. 1979		Mar. 1978	Mar. 1979
VETERANS¹											
Total, 20 years and over	8,270	8,492	7,808	8,105	7,372	7,647	436	458	5.6	5.7	
20 to 24 years	813	610	713	573	606	478	107	95	15.0	16.6	
25 to 39 years	6,769	7,072	6,524	6,836	6,222	6,497	302	339	4.6	5.0	
25 to 29 years	2,499	2,061	2,365	1,973	2,232	1,822	133	151	5.6	7.7	
30 to 34 years	3,260	3,569	3,179	3,455	3,042	3,312	137	143	4.3	4.1	
35 to 39 years	1,010	1,442	980	1,408	948	1,363	32	45	3.3	3.2	
40 years and over	688	810	571	696	544	672	27	24	4.7	3.4	
NONVETERANS²											
Total, 25 to 39 years	13,446	14,312	12,722	13,552	12,079	12,966	643	586	5.1	4.3	
25 to 29 years	5,910	6,511	5,528	6,110	5,176	5,777	352	333	6.4	5.5	
30 to 34 years	3,990	4,104	3,806	3,905	3,644	3,764	162	141	4.3	3.6	
35 to 39 years	3,546	3,697	3,388	3,537	3,259	3,425	129	112	3.8	3.2	

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

² 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.

NOTE: Seasonally-adjusted data are no longer being provided because the changing age composition of the Vietnam-era veterans' population distorts the ability to identify seasonality in the series.

**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	1976				1977				1978				1979
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Total noninstitutional population ¹	155,115	155,717	156,368	156,990	157,582	158,223	158,898	159,531	160,126	160,715	161,355	162,037	162,663
Armed Forces ¹	2,144	2,141	2,144	2,147	2,136	2,130	2,135	2,132	2,122	2,110	2,120	2,115	2,093
Civilian noninstitutional population ¹	152,971	153,576	154,224	154,843	155,446	156,094	156,764	157,399	158,004	158,605	159,235	159,922	160,570
Civilian labor force.....	93,735	94,453	95,205	95,583	96,248	97,106	97,607	98,538	99,263	100,127	100,753	101,524	102,475
Percent of civilian population.....	61.3	61.5	61.7	61.7	61.9	62.2	62.3	62.6	62.8	63.1	63.3	63.5	63.8
Employed.....	86,506	87,299	87,860	88,191	89,070	90,157	90,898	92,046	93,084	94,099	94,726	95,616	96,596
Percent of total population.....	55.8	56.1	56.2	56.2	56.5	57.0	57.2	57.7	58.1	58.5	58.7	59.0	59.4
Agriculture.....	3,296	3,324	3,309	3,253	3,170	3,300	3,202	3,302	3,326	3,314	3,376	3,345	3,295
Nonagricultural industries.....	83,210	83,975	84,552	84,937	85,900	86,857	87,697	88,744	89,758	90,785	91,348	92,270	93,301
Unemployed.....	7,230	7,154	7,345	7,392	7,178	6,949	6,708	6,492	6,179	6,028	6,027	5,908	5,878
Unemployment rate.....	7.7	7.6	7.7	7.7	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.7
Males, 20 years and over													
Total noninstitutional population ¹	65,827	66,090	66,385	66,711	67,023	67,321	67,641	67,951	68,238	68,520	68,831	69,184	69,491
Civilian noninstitutional population ¹	64,139	64,400	64,690	65,014	65,338	65,635	65,949	66,261	66,556	66,844	67,134	67,489	67,827
Civilian labor force.....	51,076	51,397	51,672	51,888	52,129	52,293	52,448	52,891	53,188	53,369	53,419	53,855	54,421
Percent of civilian population.....	79.6	79.8	79.9	79.8	79.8	79.7	79.5	79.8	79.9	79.8	79.9	79.8	80.2
Employed.....	48,061	48,404	48,633	48,786	49,156	49,538	49,843	50,397	50,777	51,151	51,239	51,704	52,243
Percent of total population.....	73.0	73.2	73.3	73.1	73.3	73.6	73.7	74.2	74.4	74.7	74.4	74.7	75.2
Agriculture.....	2,366	2,402	2,363	2,295	2,259	2,329	2,304	2,335	2,340	2,346	2,367	2,368	2,324
Nonagricultural industries.....	45,695	46,002	46,271	46,490	46,897	47,210	47,539	48,062	48,437	48,805	48,851	49,336	49,919
Unemployed.....	3,015	2,993	3,038	3,103	2,973	2,755	2,605	2,494	2,411	2,218	2,180	2,151	2,178
Unemployment rate.....	5.9	5.8	5.9	6.0	5.7	5.3	5.0	4.7	4.5	4.2	4.1	4.0	4.0
Females, 20 years and over													
Total noninstitutional population ¹	72,535	72,839	73,169	73,468	73,746	74,079	74,429	74,770	75,094	75,413	75,756	76,112	76,455
Civilian noninstitutional population ¹	72,456	72,754	73,080	73,378	73,653	73,984	74,331	74,671	74,994	75,310	75,649	76,003	76,345
Civilian labor force.....	33,749	34,065	34,510	34,735	35,045	35,559	35,842	36,277	36,715	37,228	37,679	38,057	38,419
Percent of civilian population.....	46.6	46.8	47.2	47.3	47.6	48.1	48.2	48.6	49.0	49.4	49.6	50.1	50.3
Employed.....	31,236	31,607	31,898	32,153	32,521	33,060	33,373	33,835	34,525	34,953	35,388	35,868	36,237
Percent of total population.....	43.1	43.4	43.6	43.8	44.1	44.6	44.8	45.3	46.0	46.3	46.7	47.1	47.4
Unemployed.....	2,513	2,458	2,612	2,582	2,525	2,499	2,469	2,442	2,190	2,276	2,291	2,190	2,182
Unemployment rate.....	7.4	7.2	7.6	7.4	7.2	7.0	6.9	6.7	6.0	6.1	6.1	5.8	5.7
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,754	16,788	16,815	16,812	16,813	16,823	16,828	16,810	16,794	16,782	16,768	16,742	16,717
Civilian noninstitutional population ¹	16,376	16,422	16,454	16,451	16,454	16,475	16,484	16,468	16,454	16,452	16,452	16,429	16,398
Civilian labor force.....	8,910	8,991	9,024	8,960	9,073	9,255	9,316	9,371	9,360	9,529	9,655	9,612	9,635
Percent of civilian population.....	54.4	54.7	54.8	54.5	55.1	56.2	56.5	56.9	56.9	57.9	58.7	58.5	58.8
Employed.....	7,209	7,288	7,329	7,252	7,393	7,559	7,682	7,814	7,782	7,995	8,100	8,044	8,116
Percent of total population.....	43.0	43.4	43.6	43.1	44.0	44.9	45.7	46.5	46.3	47.6	48.3	48.0	48.6
Unemployed.....	1,701	1,703	1,694	1,707	1,680	1,696	1,634	1,556	1,578	1,534	1,555	1,568	1,519
Unemployment rate.....	19.1	18.9	18.8	19.1	18.5	18.3	17.5	16.6	16.9	16.1	16.1	16.3	15.8
White													
Total noninstitutional population ¹	136,611	137,087	137,602	138,105	138,574	139,084	139,620	140,107	140,568	141,028	141,526	142,034	142,521
Civilian noninstitutional population ¹	134,823	135,303	135,823	136,326	136,812	137,333	137,870	138,364	138,839	139,323	139,822	140,336	140,857
Civilian labor force.....	82,946	83,595	84,294	84,582	85,149	85,923	86,222	87,014	87,484	88,232	88,673	89,427	90,301
Percent of civilian population.....	61.5	61.8	62.1	62.0	62.2	62.6	62.5	62.9	63.0	63.3	63.4	63.7	64.1
Employed.....	77,159	77,862	78,342	78,640	79,417	80,426	81,033	82,037	82,760	83,658	84,056	84,901	85,807
Percent of total population.....	56.5	56.8	56.9	56.9	57.3	57.8	58.0	58.6	58.9	59.3	59.4	59.8	60.2
Unemployed.....	5,787	5,733	5,952	5,942	5,732	5,497	5,189	4,977	4,723	4,574	4,618	4,526	4,494
Unemployment rate.....	7.0	6.9	7.1	7.0	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.1	5.0
Black and other													
Total noninstitutional population ¹	18,504	18,630	18,766	18,885	19,008	19,139	19,279	19,424	19,557	19,687	19,825	20,003	20,142
Civilian noninstitutional population ¹	18,148	18,273	18,401	18,517	18,634	18,761	18,894	19,035	19,164	19,282	19,413	19,585	19,713
Civilian labor force.....	10,759	10,846	10,918	11,046	11,099	11,186	11,334	11,564	11,783	11,894	12,025	12,146	12,185
Percent of civilian population.....	59.3	59.4	59.3	59.6	59.6	59.6	60.0	60.8	61.5	61.7	62.0	62.0	61.8
Employed.....	9,334	9,437	9,496	9,580	9,663	9,745	9,807	10,035	10,322	10,455	10,623	10,751	10,793
Percent of total population.....	50.4	50.7	50.6	50.7	50.8	50.9	50.9	51.7	52.8	53.1	53.6	53.7	53.6
Unemployed.....	1,425	1,409	1,421	1,466	1,437	1,441	1,527	1,529	1,461	1,439	1,406	1,395	1,393
Unemployment rate.....	13.2	13.0	13.0	13.3	12.9	12.9	13.5	13.2	12.4	12.1	11.7	11.5	11.4

¹ 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-53 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	1976				1977				1978				1979	
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	
FULL TIME														
Total, 16 years and over:														
Civilian labor force	80,056	80,580	81,003	81,595	82,007	82,723	83,205	83,761	84,501	85,255	85,941	86,402	87,321	
Employed ¹	74,240	74,805	75,092	75,615	76,341	77,227	77,842	78,644	79,646	80,592	81,213	81,871	82,794	
Unemployed	5,815	5,774	5,911	5,979	5,666	5,496	5,363	5,117	4,854	4,662	4,728	4,531	4,527	
Unemployment rate	7.3	7.2	7.3	7.3	6.9	6.6	6.4	6.1	5.7	5.5	5.5	5.2	5.2	
Males, 20 years and over:														
Civilian labor force	51,237	51,572	52,025	52,218	52,110	52,156	52,193	52,434	52,615	52,691	52,742	53,127	53,711	
Employed ¹	45,751	46,052	46,300	46,411	46,705	47,089	47,337	47,843	48,231	48,609	48,733	49,170	49,729	
Unemployed	2,743	2,760	2,863	2,904	2,702	2,534	2,428	2,296	2,192	2,041	2,005	1,979	1,991	
Unemployment rate	5.7	5.7	5.8	5.9	5.5	5.1	4.9	4.6	4.3	4.0	4.0	3.9	3.8	
Females, 20 years and over:														
Civilian labor force	28,711	28,886	29,094	29,479	29,654	30,030	30,348	30,465	30,811	31,131	31,666	31,816	32,076	
Employed ¹	24,567	24,873	24,928	25,296	25,621	25,991	26,310	26,575	27,232	27,520	27,972	28,462	28,675	
Unemployed	2,072	2,007	2,083	2,092	2,017	2,019	2,019	1,945	1,790	1,805	1,848	1,677	1,700	
Unemployment rate	7.8	7.5	7.7	7.6	7.3	7.2	7.1	6.8	6.2	6.2	6.2	5.6	5.6	
Both sexes, 16-19 years:														
Civilian labor force	5,922	5,896	5,795	5,877	5,909	6,033	6,027	5,979	5,929	6,095	6,258	5,990	6,062	
Employed ¹	3,922	3,881	3,864	3,909	4,015	4,147	4,195	4,226	4,183	4,463	4,509	4,240	4,389	
Unemployed	1,000	1,008	965	984	947	943	916	877	873	816	875	875	837	
Unemployment rate	20.3	20.6	20.0	20.1	19.1	18.5	17.9	17.2	17.3	15.5	16.2	17.1	16.0	
PART TIME														
Total, 16 years and over:														
Civilian labor force	13,672	13,875	14,263	14,013	14,257	14,362	14,406	14,770	14,766	14,831	14,807	15,117	15,169	
Employed ¹	12,279	12,497	12,801	12,594	12,753	12,909	13,045	13,398	13,435	13,468	13,501	13,748	13,808	
Unemployed	1,392	1,378	1,462	1,420	1,504	1,453	1,361	1,372	1,332	1,363	1,306	1,369	1,361	
Unemployment rate	10.2	9.9	10.3	10.1	10.5	10.1	9.4	9.3	9.0	9.2	8.8	9.1	9.0	
Males, 20 years and over:														
Civilian labor force	2,530	2,587	2,556	2,598	2,683	2,667	2,717	2,762	2,736	2,719	2,659	2,719	2,675	
Employed ¹	2,304	2,349	2,339	2,380	2,450	2,437	2,517	2,551	2,543	2,535	2,512	2,536	2,509	
Unemployed	226	238	217	218	233	230	200	210	195	184	188	183	166	
Unemployment rate	8.9	9.2	8.5	8.4	8.7	8.6	7.3	7.6	7.1	6.8	7.0	6.7	6.2	
Females, 20 years and over:														
Civilian labor force	7,163	7,162	7,490	7,335	7,457	7,527	7,486	7,748	7,733	7,683	7,831	7,918	8,092	
Employed ¹	6,705	6,709	6,970	6,862	6,929	7,045	7,040	7,272	7,311	7,409	7,351	7,434	7,588	
Unemployed	458	453	520	473	529	482	447	476	422	474	440	485	504	
Unemployment rate	6.4	6.3	6.9	6.5	7.1	6.4	6.0	6.1	5.5	6.0	5.6	6.1	6.2	
Both sexes, 16-19 years:														
Civilian labor force	3,979	4,127	4,216	4,080	4,117	4,168	4,203	4,261	4,295	4,229	4,276	4,480	4,401	
Employed ¹	3,270	3,440	3,491	3,352	3,375	3,427	3,489	3,574	3,580	3,524	3,598	3,779	3,710	
Unemployed	709	687	725	728	742	742	714	686	714	704	678	701	691	
Unemployment rate	17.8	16.6	17.2	17.8	18.0	17.8	17.0	16.1	16.6	16.7	15.9	15.7	15.7	

¹ 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	1976				1977				1978				1979	
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	
WHITE														
Total, 16 years and over:														
Civilian labor force	82,946	83,595	84,294	84,582	85,149	85,923	86,222	87,014	87,484	88,232	88,673	89,427	90,301	
Employed	77,159	77,862	78,342	78,640	79,417	80,426	81,033	82,037	82,760	83,658	84,056	84,901	85,807	
Unemployed	5,787	5,733	5,952	5,942	5,732	5,497	5,189	4,977	4,723	4,574	4,618	4,526	4,494	
Unemployment rate	7.0	6.9	7.1	7.0	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.1	5.0	
Males, 20 years and over:														
Civilian labor force	45,777	46,073	46,341	46,474	46,603	46,821	46,980	47,332	47,495	47,685	47,700	48,032	48,544	
Employed	43,371	43,637	43,802	43,947	44,210	44,595	44,934	45,378	45,619	45,965	45,985	46,356	46,873	
Unemployed	2,406	2,436	2,538	2,527	2,392	2,226	2,045	1,955	1,876	1,720	1,715	1,676	1,671	
Unemployment rate	5.3	5.3	5.5	5.4	5.1	4.8	4.4	4.1	3.9	3.6	3.6	3.5	3.4	
Females, 20 years and over:														
Civilian labor force	29,214	29,470	29,852	30,058	30,358	30,774	30,948	31,311	31,644	32,075	32,403	32,822	33,168	
Employed	27,203	27,505	27,789	28,016	28,369	28,838	29,046	29,462	29,986	30,357	30,684	31,174	31,515	
Unemployed	2,011	1,965	2,063	2,042	1,988	1,936	1,902	1,849	1,658	1,717	1,720	1,648	1,653	
Unemployment rate	6.9	6.7	6.9	6.8	6.5	6.3	6.1	5.9	5.2	5.4	5.3	5.0	5.0	
Both sexes, 16 to 19 years:														
Civilian labor force	7,955	8,051	8,102	8,050	8,188	8,328	8,295	8,370	8,345	8,472	8,570	8,573	8,589	
Employed	6,586	6,720	6,751	6,677	6,837	6,992	7,053	7,197	7,156	7,335	7,387	7,371	7,419	
Unemployed	1,370	1,331	1,351	1,373	1,351	1,336	1,242	1,173	1,189	1,137	1,183	1,202	1,170	
Unemployment rate	17.2	16.5	16.7	17.1	16.5	16.0	15.0	14.0	14.2	13.4	13.8	14.0	13.6	
BLACK AND OTHER														
Total, 16 years and over:														
Civilian labor force	10,759	10,846	10,918	11,046	11,099	11,186	11,334	11,564	11,783	11,854	12,029	12,146	12,105	
Employed	9,334	9,437	9,496	9,580	9,663	9,745	9,807	10,035	10,322	10,455	10,623	10,751	10,793	
Unemployed	1,425	1,409	1,421	1,466	1,437	1,441	1,527	1,529	1,461	1,439	1,406	1,395	1,393	
Unemployment rate	13.2	13.0	13.0	13.3	12.9	12.9	13.5	13.2	12.4	12.1	11.7	11.5	11.4	
Males, 20 years and over:														
Civilian labor force	5,241	5,340	5,369	5,434	5,487	5,488	5,476	5,573	5,669	5,700	5,718	5,835	5,842	
Employed	4,671	4,788	4,823	4,843	4,940	4,963	4,891	5,021	5,154	5,205	5,236	5,349	5,351	
Unemployed	570	552	546	591	547	525	585	552	514	494	482	485	491	
Unemployment rate	10.9	10.3	10.2	10.9	10.0	9.6	10.7	9.9	9.1	8.7	8.4	8.3	8.4	
Females, 20 years and over:														
Civilian labor force	4,562	4,582	4,629	4,688	4,712	4,781	4,859	4,979	5,085	5,149	5,242	5,256	5,273	
Employed	4,046	4,084	4,096	4,153	4,159	4,214	4,308	4,392	4,535	4,589	4,687	4,719	4,727	
Unemployed	515	498	533	535	553	567	551	587	550	560	555	537	545	
Unemployment rate	11.3	10.9	11.5	11.4	11.7	11.9	11.3	11.8	10.8	10.9	10.6	10.2	10.3	
Both sexes, 16 to 19 years:														
Civilian labor force	956	924	920	924	900	917	999	1,012	1,030	1,045	1,070	1,056	1,071	
Employed	616	565	577	585	563	568	608	621	633	661	700	683	715	
Unemployed	340	359	342	339	337	349	391	391	397	385	370	373	356	
Unemployment rate	35.6	38.9	37.2	36.7	37.4	38.0	39.1	38.6	38.6	36.8	34.6	35.3	33.3	

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1976				1977				1978				1979
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTICS													
Total (all civilian workers)	7.7	7.6	7.7	7.7	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.7
Males, 20 years and over	5.9	5.8	5.9	6.0	5.7	5.3	5.0	4.7	4.5	4.2	4.1	4.0	4.0
Females, 20 years and over	7.4	7.2	7.6	7.4	7.2	7.0	6.9	6.7	6.0	6.1	6.1	5.8	5.7
Both sexes, 15-19 years	19.1	18.9	18.8	19.1	18.5	18.3	17.5	16.6	16.9	16.1	16.1	16.3	15.8
White	7.0	6.9	7.1	7.0	6.7	6.4	6.0	5.7	5.4	5.2	5.2	5.1	5.0
Black and other	13.2	13.0	13.0	13.3	12.9	12.9	13.5	13.2	12.4	12.1	11.7	11.5	11.4
Married men, spouse present	4.2	4.2	4.3	4.2	4.0	3.6	3.4	3.3	3.0	2.8	2.7	2.5	2.6
Married women, spouse present	7.1	7.0	7.3	7.1	6.6	6.7	6.4	6.2	5.4	5.6	5.6	5.5	5.2
Women who head families	10.1	9.5	10.3	10.0	9.6	9.3	9.7	8.8	8.2	9.4	8.6	7.7	8.1
Full-time workers	7.3	7.2	7.3	7.3	6.9	6.6	6.4	6.1	5.7	5.5	5.5	5.2	5.2
Part-time workers	10.2	9.9	10.3	10.1	10.5	10.1	9.4	9.3	9.0	9.2	8.8	9.1	9.0
Unemployed 15 weeks and over ¹	2.7	2.3	2.4	2.4	2.2	2.0	1.9	1.8	1.6	1.4	1.3	1.2	1.2
Labor force time lost ²	6.3	6.2	6.2	6.3	6.0	5.6	5.4	5.2	4.7	4.6	4.6	4.2	4.2
OCCUPATION													
White-collar workers	4.6	4.6	4.7	4.5	4.6	4.3	4.1	4.1	3.6	3.6	3.6	3.3	3.4
Professional and technical	3.3	3.2	3.1	3.2	3.2	3.1	3.0	2.8	2.6	2.5	2.6	2.7	2.3
Managers and administrators, except farm	2.9	3.0	3.4	3.0	3.0	2.9	2.5	2.7	2.2	2.0	2.1	2.0	2.0
Sales workers	5.5	5.1	5.5	5.3	5.6	5.4	5.2	4.8	4.2	4.4	4.2	3.6	4.1
Clerical workers	6.3	6.5	6.6	6.1	6.4	5.8	5.7	5.6	4.9	5.2	4.9	4.5	4.7
Blue-collar workers	9.4	9.3	9.6	9.4	8.6	8.1	7.9	7.5	7.2	6.7	6.8	6.7	6.5
Craft and kindred workers	6.8	6.9	7.0	6.8	6.2	5.5	5.4	5.2	5.1	4.4	4.4	4.6	4.6
Operatives, except transport	10.8	10.7	10.8	10.8	9.8	9.5	9.6	9.0	8.3	8.2	8.4	7.6	7.6
Transport equipment operatives	8.0	7.0	7.8	7.9	7.4	6.5	6.6	5.7	5.3	5.3	5.5	4.8	5.0
Nonfarm laborers	13.7	13.4	14.2	13.4	12.9	12.3	11.5	11.3	11.4	9.7	10.3	11.2	9.7
Service workers	8.9	8.4	8.6	9.0	8.4	8.5	8.0	7.8	7.5	7.5	7.3	7.4	7.4
Farm workers	4.0	4.5	4.3	5.2	5.1	4.7	4.4	4.2	4.2	3.3	3.8	3.8	3.2
INDUSTRY													
Nonagricultural private wage and salary workers ³	8.0	7.7	8.0	7.9	7.5	7.1	6.8	6.6	6.2	5.9	5.9	5.7	5.6
Construction	15.6	15.6	16.4	14.8	14.5	12.8	11.3	11.3	11.2	9.6	9.9	11.4	10.8
Manufacturing	8.0	7.7	7.8	7.8	7.1	6.6	6.7	6.2	5.7	5.5	5.5	5.1	5.0
Durable goods	8.1	7.7	7.3	7.5	6.8	6.0	6.2	5.7	5.2	4.9	5.1	4.5	4.3
Nondurable goods	7.9	7.8	8.5	8.3	7.7	7.5	7.6	6.8	6.5	6.5	6.1	5.9	6.1
Transportation and public utilities	4.8	4.9	5.0	5.2	4.9	4.5	4.7	4.6	3.8	3.9	3.8	3.3	3.5
Wholesale and retail trade	8.6	8.4	8.8	8.6	8.5	8.1	7.9	7.5	7.2	6.8	6.7	6.7	6.5
Finance and service industries	6.6	6.3	6.5	6.6	6.3	6.2	5.7	5.7	5.2	5.0	5.2	4.9	4.9
Government workers	4.4	4.6	4.3	4.3	4.3	4.1	4.1	4.2	3.8	4.0	3.9	3.9	3.9
Agricultural wage and salary workers	10.8	11.9	11.5	12.7	12.6	11.8	10.2	9.7	9.5	8.1	9.0	8.4	7.9

¹ Unemployment as a percent of civilian labor force.

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

as a percent of potentially available labor force hours.

³ 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	1976				1977				1978				1979	
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	
DURATION														
Both sexes, 16 years and over:														
Less than 5 weeks	2,660	2,811	2,856	2,837	2,887	2,951	2,796	2,773	2,727	2,794	2,848	2,809	2,736	
5 to 14 weeks	2,009	2,088	2,246	2,292	2,171	2,058	2,101	1,951	1,897	1,869	1,876	1,847	1,868	
16 weeks and over	2,541	2,198	2,299	2,294	2,126	1,896	1,831	1,730	1,563	1,385	1,272	1,240	1,272	
16 to 26 weeks	1,025	887	1,060	1,032	942	844	901	862	840	735	652	714	723	
27 weeks and over	1,517	1,311	1,239	1,262	1,185	1,052	929	869	723	650	620	526	549	
Average (mean duration, in weeks)	16.5	15.9	15.5	15.2	14.8	14.6	13.9	13.6	12.7	12.2	11.6	11.2	11.4	
Median duration, in weeks	8.7	7.9	7.8	8.0	7.4	6.9	7.1	6.9	6.6	5.7	6.0	5.6	6.0	
PERCENT DISTRIBUTION														
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	36.9	39.6	38.6	38.2	40.2	42.7	41.6	42.7	44.1	46.2	47.5	47.6	46.6	
5 to 14 weeks	27.9	29.4	30.3	30.9	30.2	29.8	31.2	30.7	30.7	30.9	31.3	31.3	31.8	
16 weeks and over	35.2	31.0	31.1	30.9	29.6	27.5	27.2	26.6	25.3	22.9	21.2	21.0	21.6	
16 to 26 weeks	14.2	12.5	14.3	13.9	13.1	12.2	13.4	13.3	13.6	12.2	10.9	12.1	12.3	
27 weeks and over	21.0	18.5	16.7	17.0	16.5	15.2	13.8	13.4	11.7	10.7	10.3	8.9	9.3	

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

Sex and age	1976				1977				1978				1979
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	7.7	7.6	7.7	7.7	7.5	7.2	6.9	6.6	6.2	6.0	6.0	5.8	5.7
16 to 19 years	19.1	18.9	18.8	19.1	18.5	18.3	17.5	16.6	16.9	16.1	16.1	16.3	15.8
16 to 17 years	20.7	21.5	21.0	21.4	20.8	20.5	19.8	18.7	19.8	18.6	19.3	19.5	18.5
18 to 19 years	18.1	17.1	17.3	17.4	16.9	16.7	16.0	15.1	14.8	14.1	13.8	13.9	13.7
20 to 24 years	12.1	11.8	11.7	12.3	11.5	11.0	10.8	10.3	10.2	9.5	9.4	9.0	8.7
25 years and over	5.4	5.3	5.6	5.5	5.2	5.0	4.8	4.6	4.1	4.1	4.1	3.9	3.9
25 to 54 years	5.6	5.5	5.8	5.7	5.5	5.2	5.0	4.8	4.3	4.3	4.3	4.1	4.1
55 years and over	4.7	4.6	4.8	4.3	4.4	4.1	3.5	4.0	3.3	3.2	3.2	2.9	3.0
Males, 16 years and over	7.1	7.0	7.0	7.1	6.8	6.4	6.0	5.7	5.6	5.1	5.1	5.1	5.0
16 to 19 years	19.3	19.5	18.7	19.3	18.2	17.7	17.2	15.9	16.4	15.1	15.2	16.2	16.2
16 to 17 years	21.1	22.1	20.9	21.8	20.3	20.1	19.9	17.8	19.7	18.2	18.5	20.2	19.4
18 to 19 years	18.2	17.6	17.0	17.4	16.7	16.0	15.2	14.5	13.9	12.8	12.7	13.1	13.8
20 to 24 years	12.2	11.8	11.8	12.4	11.4	10.8	10.6	9.8	10.2	8.6	8.8	8.7	8.3
25 years and over	4.7	4.7	5.0	4.9	4.6	4.3	4.0	3.9	3.5	3.3	3.3	3.2	3.2
25 to 54 years	4.8	4.8	5.1	5.1	4.7	4.4	4.1	3.9	3.6	3.4	3.4	3.3	3.3
55 years and over	4.5	4.6	4.5	4.1	4.3	3.7	3.7	3.7	3.2	3.3	3.1	2.6	2.8
Females, 16 years and over	8.7	8.4	8.8	8.6	8.5	8.3	8.1	7.9	7.2	7.3	7.3	6.9	6.7
16 to 19 years	18.8	18.3	18.9	18.7	18.9	19.0	17.9	17.4	17.4	17.2	17.1	16.4	15.3
16 to 17 years	20.2	20.9	21.2	20.9	21.5	21.0	19.6	19.7	19.8	19.1	20.3	18.7	17.6
18 to 19 years	17.8	16.5	17.5	17.3	17.2	17.4	16.9	15.8	15.9	15.6	15.0	14.8	13.7
20 to 24 years	12.1	11.8	11.6	12.1	11.7	11.2	10.9	10.9	10.3	10.6	10.1	9.3	9.1
25 years and over	6.4	6.2	6.7	6.4	6.2	6.1	6.0	5.8	5.0	5.1	5.2	4.9	4.9
25 to 54 years	6.8	6.6	7.0	6.8	6.6	6.5	6.3	6.1	5.4	5.6	5.6	5.3	5.3
55 years and over	4.9	4.7	5.3	4.7	4.6	4.6	4.4	4.4	3.5	3.1	3.3	3.4	3.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Reason for unemployment	1976				1977				1978				1979
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	3,603	3,623	3,636	3,607	3,341	3,085	3,048	2,846	2,621	2,516	2,452	2,423	2,458
On layoff	1,006	1,063	1,084	1,012	917	840	855	763	717	658	693	702	778
Other job losers	2,597	2,560	2,552	2,595	2,424	2,245	2,192	2,083	1,903	1,858	1,759	1,722	1,681
Job leavers	827	871	954	880	908	912	864	877	872	853	848	836	873
Reentrants	1,877	1,816	1,931	1,953	1,976	1,976	1,869	1,884	1,831	1,776	1,848	1,804	1,745
New entrants	862	860	872	935	953	981	948	871	902	871	854	841	840
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	50.3	50.5	49.2	48.9	46.5	44.4	45.3	43.9	42.1	41.8	40.9	41.0	41.6
On layoff	14.0	14.8	14.7	13.7	12.8	12.1	12.7	11.8	11.5	10.9	11.5	11.9	13.1
Other job losers	36.2	35.7	34.5	35.2	33.8	32.3	32.6	32.2	30.6	30.9	29.3	29.2	28.4
Job leavers	11.5	12.2	12.9	11.9	12.7	13.1	12.8	13.5	14.0	14.2	14.1	14.2	14.8
Reentrants	26.2	25.3	26.1	26.5	27.5	28.4	27.8	29.1	29.4	29.5	30.8	30.6	29.5
New entrants	12.0	12.0	11.8	12.7	13.3	14.1	14.1	13.4	14.5	14.5	14.2	14.2	14.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.8	3.8	3.8	3.8	3.5	3.2	3.1	2.9	2.6	2.5	2.4	2.4	2.4
On layoff .....	.9	.9	1.0	.9	.9	.9	.9	.9	.9	.9	.8	.8	.9
Other job losers	2.0	1.9	2.0	2.0	2.1	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.7
Job leavers .....	.9	.9	.9	1.0	1.0	1.0	1.0	.9	.9	.9	.8	.8	.8

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

[In thousands]

Sex and age	1976				1977				1978				1979
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	86,506	87,299	87,860	88,191	89,070	90,157	90,898	92,046	93,084	94,099	94,726	95,616	96,596
16 to 19 years	7,209	7,288	7,329	7,252	7,393	7,559	7,682	7,814	7,762	7,995	8,100	8,044	8,116
16 to 17 years	2,934	2,905	2,968	2,894	2,980	3,038	3,110	3,207	3,173	3,290	3,317	3,295	3,350
18 to 19 years	4,273	4,373	4,360	4,367	4,428	4,513	4,551	4,614	4,622	4,699	4,766	4,762	4,790
20 to 24 years	12,025	12,271	12,360	12,426	12,652	12,746	12,934	13,079	13,204	13,450	13,592	13,745	13,937
25 years and over	67,270	67,737	68,150	68,533	69,030	69,842	70,257	71,177	72,098	72,644	73,065	73,859	74,548
25 to 54 years	53,803	54,314	54,645	54,941	55,474	56,113	56,590	57,226	58,098	58,473	58,910	59,580	60,142
55 years and over	13,476	13,397	13,527	13,588	13,563	13,711	13,691	13,944	13,998	14,151	14,129	14,268	14,409
Males, 16 years and over	51,943	52,305	52,569	52,692	53,136	53,659	53,978	54,666	54,992	55,441	55,568	55,974	56,519
16 to 19 years	3,882	3,900	3,936	3,906	3,980	4,121	4,135	4,269	4,215	4,290	4,330	4,270	4,276
16 to 17 years	1,599	1,578	1,630	1,592	1,623	1,688	1,711	1,794	1,756	1,782	1,784	1,743	1,787
18 to 19 years	2,275	2,312	2,313	2,314	2,366	2,422	2,417	2,475	2,472	2,496	2,544	2,537	2,505
20 to 24 years	6,597	6,732	6,773	6,853	6,962	6,949	7,059	7,149	7,166	7,342	7,353	7,451	7,547
25 years and over	41,451	41,672	41,856	41,944	42,191	42,583	42,779	43,255	43,606	43,802	43,884	44,259	44,691
25 to 54 years	33,097	33,309	33,423	33,518	33,749	34,047	34,252	34,601	34,948	35,062	35,169	35,434	35,811
55 years and over	8,354	8,351	8,436	8,439	8,446	8,525	8,529	8,663	8,660	8,726	8,717	8,833	8,879
Females, 16 years and over	34,563	34,994	35,291	35,499	35,934	36,498	36,920	37,380	38,092	38,658	39,158	39,642	40,077
16 to 19 years	3,327	3,387	3,393	3,346	3,413	3,438	3,547	3,546	3,566	3,706	3,770	3,774	3,840
16 to 17 years	1,335	1,327	1,338	1,302	1,357	1,351	1,398	1,413	1,417	1,507	1,533	1,552	1,562
18 to 19 years	1,998	2,060	2,046	2,053	2,062	2,092	2,133	2,139	2,150	2,201	2,223	2,225	2,285
20 to 24 years	5,428	5,539	5,587	5,573	5,690	5,797	5,875	5,930	6,038	6,108	6,238	6,294	6,389
25 years and over	25,819	26,065	26,294	26,590	26,839	27,259	27,478	27,922	28,492	28,843	29,121	29,600	29,857
25 to 54 years	20,707	21,006	21,222	21,423	21,725	22,066	22,338	22,624	23,150	23,411	23,741	24,146	24,330
55 years and over	5,122	5,046	5,091	5,149	5,117	5,186	5,162	5,281	5,338	5,425	5,412	5,435	5,530

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

(In thousands)

Selected categories	1976				1977				1978				1979
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTICS													
Total, 16 years and over	86,506	87,299	87,860	88,191	89,070	90,157	90,898	92,046	93,084	94,099	94,726	95,616	96,596
Married men, spouse present	38,013	38,105	38,144	38,009	38,241	38,444	38,361	38,539	38,596	38,597	38,650	38,930	39,289
Married women, spouse present	20,032	20,205	20,419	20,488	20,731	20,908	20,969	21,286	21,648	21,719	21,902	22,255	22,581
OCCUPATION													
White-collar workers	43,074	43,553	43,824	44,293	44,500	44,770	45,318	46,146	46,609	46,563	47,384	47,880	48,803
Professional and technical Managers and administrators, except farm	13,167	13,217	13,433	13,482	13,480	13,561	13,769	13,950	14,063	14,287	14,226	14,411	14,953
Sales workers	9,132	9,313	9,340	9,465	9,516	9,520	9,697	9,906	10,100	10,101	10,151	10,072	10,381
Clerical workers	5,345	5,479	5,505	5,646	5,696	5,699	5,734	5,761	5,891	5,894	5,927	6,090	6,088
Blue-collar workers	15,430	15,543	15,547	15,698	15,809	15,990	16,117	16,509	16,555	16,687	17,079	17,308	17,381
Craft and kindred workers	28,716	28,951	28,978	29,172	29,801	30,154	30,273	30,605	31,027	31,494	31,560	32,050	32,303
Operatives, except transport	11,208	11,213	11,307	11,370	11,665	11,867	11,918	12,069	12,158	12,313	12,468	12,604	12,861
Transport equipment operatives	10,030	10,139	10,062	10,114	10,327	10,336	10,337	10,429	10,693	10,866	10,866	11,081	11,020
Nonfarm laborers	3,210	3,286	3,283	3,304	3,428	3,485	3,481	3,511	3,536	3,516	3,496	3,620	3,620
Farm workers	4,267	4,314	4,327	4,384	4,380	4,466	4,538	4,600	4,639	4,800	4,729	4,745	4,802
Service workers	11,881	11,985	12,144	11,993	12,095	12,423	12,474	12,571	12,690	12,880	12,808	12,989	12,801
Farm workers	2,833	2,844	2,832	2,780	2,698	2,822	2,710	2,788	2,814	2,769	2,815	2,795	2,768
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,323	1,311	1,317	1,325	1,288	1,324	1,316	1,393	1,386	1,428	1,417	1,442	1,404
Self-employed workers	1,635	1,658	1,651	1,597	1,535	1,598	1,561	1,582	1,585	1,599	1,633	1,609	1,564
Unpaid family workers	326	349	343	345	347	372	316	342	347	291	322	311	321
Nonagricultural industries:													
Wage and salary workers	77,014	77,894	78,397	78,755	79,545	80,401	81,036	82,204	83,036	84,031	84,453	85,507	86,369
Government	14,869	14,882	15,098	14,946	14,979	15,040	15,208	15,381	15,247	15,272	15,265	15,373	15,245
Private industries	62,145	63,012	63,298	63,810	64,566	65,361	65,828	66,823	67,789	68,759	69,188	70,133	71,124
Private households	1,287	1,357	1,387	1,391	1,357	1,353	1,394	1,395	1,372	1,392	1,367	1,322	1,278
Other industries	60,858	61,655	61,912	62,419	63,209	64,008	64,433	65,428	66,417	67,367	67,821	68,811	69,846
Self-employed workers	5,665	5,658	5,675	5,753	5,860	5,982	6,051	6,126	6,296	6,311	6,220	6,400	6,582
Unpaid family workers	477	451	444	467	483	509	504	469	475	487	468	456	459
PERSONS AT WORK¹													
Nonagricultural industries	78,318	78,593	79,266	79,901	80,717	81,418	82,579	83,243	84,034	85,736	86,260	86,737	87,679
Full-time schedules	64,295	64,483	64,936	65,446	66,144	66,889	67,741	68,257	69,189	70,431	71,073	71,500	72,361
Part-time for economic reasons	3,250	3,210	3,244	3,411	3,350	3,273	3,328	3,230	3,144	3,330	3,272	3,118	3,162
Usually work full time	1,321	1,345	1,325	1,271	1,261	1,259	1,273	1,235	1,169	1,284	1,327	1,218	1,216
Usually work part time	1,929	1,865	1,919	2,139	2,090	2,014	2,055	1,996	1,975	2,046	1,946	1,899	1,945
Part-time for noneconomic reasons	10,772	10,900	11,087	11,044	11,222	11,256	11,510	11,755	11,701	11,975	11,915	12,119	12,157

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
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	1976				1977				1978				1979
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Both sexes, 16 years and over:													
Total not in labor force	59,236	59,123	59,019	59,260	59,198	58,988	59,157	58,861	58,741	58,478	58,482	58,398	58,095
Do not want job now	53,822	53,948	54,561	53,775	53,798	53,210	53,244	53,108	53,747	53,252	52,745	53,110	53,492
Current activity:													
Going to school	6,416	6,256	6,736	6,324	6,174	6,153	6,202	6,191	6,255	6,227	6,010	5,964	5,932
Ill, disabled	4,696	4,712	4,835	4,604	4,718	4,525	4,539	4,397	4,508	4,598	4,399	4,633	4,566
Keeping house	31,012	30,984	30,684	30,307	30,651	30,146	30,064	30,049	29,774	29,723	29,351	29,242	29,385
Retired	8,317	8,469	8,788	8,789	8,743	9,021	9,043	9,041	9,449	9,172	9,392	9,475	9,638
Other	3,380	3,527	3,519	3,752	3,511	3,363	3,395	3,430	3,761	3,533	3,594	3,796	3,971
Want a job now	5,304	5,430	4,329	5,450	5,530	5,741	5,884	5,561	5,428	5,260	5,486	5,239	5,262
Reason not looking:													
School attendance	1,402	1,560	1,148	1,506	1,513	1,499	1,641	1,523	1,404	1,296	1,518	1,359	1,338
Ill health, disability	713	738	495	639	688	783	804	751	697	755	706	736	755
Home responsibilities	1,189	1,213	1,038	1,288	1,220	1,280	1,287	1,217	1,214	1,237	1,242	1,210	1,212
Think cannot get job	964	922	782	995	956	1,071	1,028	970	914	851	853	760	724
Job-market factors	669	632	554	729	669	746	719	630	635	541	620	485	483
Personal factors	295	290	228	266	287	325	309	340	279	310	232	275	241
Other reasons ¹	1,036	997	867	1,021	1,154	1,108	1,124	1,100	1,199	1,121	1,167	1,173	1,232
Males													
Total not in labor force	16,359	16,298	16,336	16,438	16,499	16,503	16,680	16,461	16,491	16,591	16,787	16,706	16,456
Do not want job now	14,613	14,706	15,193	14,763	14,826	14,666	14,782	14,677	14,902	14,905	15,026	14,990	15,045
Want a job now	1,680	1,667	1,300	1,666	1,675	1,770	1,826	1,701	1,749	1,637	1,733	1,665	1,691
Reason not looking:													
School attendance	698	790	589	720	757	777	794	751	703	638	763	702	659
Ill health, disability	321	316	203	274	303	332	327	326	323	336	318	335	373
Think cannot get job	377	313	264	343	291	313	350	309	344	305	291	275	294
Other reasons ¹	285	248	244	329	324	348	354	315	378	359	361	354	364
Females													
Total not in labor force	42,877	42,825	42,683	42,823	42,699	42,485	42,476	42,400	42,250	41,887	41,695	41,692	41,639
Do not want job now	39,209	39,242	39,368	39,012	38,972	38,544	38,461	38,431	38,844	38,347	37,719	38,120	38,447
Want a job now	3,624	3,763	3,029	3,784	3,855	3,971	4,059	3,860	3,679	3,623	3,753	3,574	3,571
Reason not looking:													
School attendance	704	770	559	785	756	722	847	771	701	658	755	658	679
Ill health, disability	393	421	292	365	384	451	477	425	374	420	388	402	381
Home responsibilities	1,189	1,213	1,038	1,288	1,220	1,280	1,287	1,217	1,214	1,237	1,242	1,210	1,212
Think cannot get job	587	609	518	652	665	758	677	661	570	546	561	485	430
Other reasons	751	750	623	693	830	760	770	785	820	762	806	819	868
White													
Total not in labor force	51,877	51,708	51,529	51,744	51,663	51,410	51,648	51,350	51,355	51,091	51,149	50,909	50,556
Do not want job now	47,632	47,718	48,112	47,512	47,363	47,156	47,280	46,918	47,382	47,275	46,870	46,840	46,817
Want a job now	4,081	4,090	3,421	4,147	4,283	4,334	4,316	4,267	4,168	3,980	4,339	3,887	4,013
Reason not looking:													
School attendance	1,065	1,147	941	1,097	1,176	1,078	1,136	1,125	1,033	943	1,272	1,007	981
Ill health, disability	508	508	364	437	520	643	576	537	499	550	526	507	536
Home responsibilities	940	923	816	1,023	1,000	976	950	971	980	961	956	894	978
Think cannot get job	716	696	587	742	683	743	720	712	647	584	591	531	513
Other reasons	852	816	713	847	905	894	933	923	1,010	943	994	947	1,005
Black and other													
Total not in labor force	7,389	7,427	7,483	7,471	7,535	7,575	7,560	7,471	7,381	7,388	7,384	7,439	7,528
Do not want job now	6,113	6,103	6,512	6,184	6,250	6,122	6,046	6,215	6,102	6,108	6,098	6,123	6,275
Want a job now	1,267	1,297	934	1,274	1,297	1,371	1,577	1,255	1,309	1,267	1,244	1,321	1,287
Reason not looking:													
School attendance	345	406	221	403	347	407	495	354	383	341	327	348	370
Ill health, disability	220	236	129	192	181	159	223	195	210	221	173	210	232
Home responsibilities	303	288	244	280	268	283	341	239	270	257	289	309	275
Think cannot get job	237	211	211	258	280	302	319	253	273	253	277	232	210
Other reasons	161	156	128	141	221	219	199	174	174	195	178	222	199

¹ 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 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	
TOTAL											
Total not in labor force	59,898	59,299	7,902	7,561	4,889	4,693	22,513	22,076	24,593	24,968	
Do not want a job now	54,301	53,901	6,368	6,161	4,081	3,854	19,932	19,529	23,920	24,356	
Current activity:											
Going to school	7,980	7,567	5,446	5,296	1,842	1,669	676	578	17	23	
Ill, disabled	4,462	4,519	34	28	112	111	2,137	2,206	2,177	2,175	
Keeping house	29,522	29,134	521	456	1,733	1,678	15,340	14,861	11,928	12,138	
Retired	9,386	9,561	--	--	2	2	217	176	9,166	9,383	
Other	2,951	3,120	367	381	392	394	1,562	1,708	632	637	
Want a job now	5,595	5,399	1,535	1,401	806	839	2,580	2,545	674	612	
Reason not looking:											
School attendance	1,670	1,597	1,220	1,117	269	299	176	176	4	4	
Ill health, disability	717	765	20	24	52	49	466	498	180	194	
Home responsibilities	1,169	1,167	72	64	223	225	833	840	40	36	
Think cannot get job	920	724	127	69	103	94	465	383	226	178	
Job-market factors	634	485	83	41	75	62	357	299	118	82	
Personal factors	285	239	43	29	28	31	107	84	107	95	
Other reasons ¹	1,119	1,146	96	127	159	172	640	648	224	200	
Males											
Total not in labor force	17,368	17,394	3,587	3,511	1,517	1,461	3,134	3,164	9,131	9,257	
Do not want a job now	15,506	15,603	2,860	2,823	1,264	1,203	2,574	2,648	8,808	8,928	
Current activity:											
Going to school	3,975	3,835	2,651	2,582	987	969	337	274	--	10	
Ill, disabled	2,378	2,514	23	12	66	55	1,206	1,255	1,083	1,190	
Keeping house	233	283	14	14	10	5	60	76	150	189	
Retired	7,273	7,221	--	--	2	2	180	146	7,091	7,073	
Other	1,647	1,750	172	215	199	172	791	897	484	466	
Want a job now	1,861	1,791	728	687	252	256	559	515	323	330	
Reason not looking:											
School attendance	847	797	633	580	136	151	74	61	4	4	
Ill health, disability	319	370	8	12	19	18	197	217	95	124	
Think cannot get job	341	286	54	41	46	45	132	113	109	86	
Other reasons ¹	354	338	33	54	51	42	156	124	115	116	
Females											
Total not in labor force	42,529	41,905	4,315	4,050	3,373	3,233	19,381	18,911	15,461	15,710	
Do not want a job now	38,794	38,298	3,509	3,340	2,819	2,651	17,356	16,883	15,111	15,428	
Current activity:											
Going to school	4,004	3,733	2,796	2,715	854	700	338	305	16	13	
Ill, disabled	2,084	2,004	12	15	47	54	929	951	1,095	985	
Keeping house	29,290	28,850	507	443	1,725	1,674	15,282	14,786	11,778	11,950	
Retired	2,112	2,341	--	--	--	--	37	31	2,075	2,309	
Other	1,304	1,370	194	167	193	223	770	810	147	171	
Want a job now	3,734	3,606	807	711	554	580	2,025	2,030	349	282	
Reason not looking:											
School attendance	824	799	587	536	134	148	103	116	--	--	
Ill health, disability	397	395	12	12	33	31	269	281	84	70	
Home responsibilities	1,169	1,167	72	64	223	225	833	840	40	36	
Think cannot get job	579	438	72	28	56	47	335	270	116	93	
Other reasons ¹	765	807	64	71	108	129	485	523	109	83	

¹ Includes small number of men not looking for work because of "home responsibilities."

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						Males		Females	
			16-24		25-59		60 and over					
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
WHITE												
Total not in labor force	52,344	51,603	10,308	9,794	19,755	19,208	22,279	26,100	14,859	14,832	37,485	36,771
Do not want a job now	48,081	47,505	8,629	8,201	17,715	17,227	21,734	22,075	13,439	13,448	34,642	34,057
Current activity:												
Going to school	6,522	6,134	5,959	5,662	547	449	16	23	3,276	3,103	3,246	3,031
Ill, disabled	3,656	3,661	110	117	1,742	1,701	1,801	1,843	1,987	2,051	1,669	1,610
Keeping house	26,909	26,481	1,964	1,805	13,918	13,514	11,029	11,162	189	226	26,720	26,255
Retired	8,533	8,635	--	2	202	167	8,327	8,464	6,618	6,587	1,915	2,048
Other	2,461	2,594	596	615	1,306	1,396	561	583	1,369	1,481	1,092	1,113
Want a job now	4,233	4,098	1,671	1,593	2,021	1,979	537	527	1,389	1,383	2,844	2,715
Reason not looking:												
School attendance	1,226	1,168	1,097	1,042	125	121	4	4	631	585	595	583
Ill health, disability	516	552	47	43	346	357	124	153	253	292	263	260
Home responsibilities ¹	892	886	188	191	664	666	40	29	--	--	892	886
Think cannot get job	681	540	143	99	351	287	186	155	233	216	448	324
Other reasons	918	952	202	218	535	548	183	186	272	290	646	662
BLACK AND OTHER												
Total not in labor force	7,553	7,706	2,482	2,461	2,757	2,868	2,314	2,825	2,509	2,573	5,044	5,133
Do not want a job now	6,220	6,396	1,820	1,814	2,212	2,296	2,183	2,282	2,068	2,154	4,152	4,242
Current activity:												
Going to school	1,457	1,433	1,329	1,304	129	128	--	--	699	731	758	702
Ill, disabled	807	857	36	20	394	501	378	332	392	463	415	394
Keeping house	2,612	2,653	291	329	1,421	1,348	898	976	43	57	2,569	2,596
Retired	853	927	--	--	14	7	838	920	656	634	197	293
Other	491	526	164	161	254	312	69	54	278	269	213	257
Want a job now	1,331	1,299	660	647	550	572	127	83	438	408	893	891
Reason not looking:												
School attendance	445	429	393	373	51	57	--	--	216	213	229	216
Ill health, disability	201	213	25	32	120	142	55	41	66	78	135	135
Home responsibilities ¹	278	281	108	99	170	175	--	7	--	--	278	281
Think cannot get job	239	183	85	64	121	97	41	22	108	69	131	114
Other reasons	168	193	49	79	88	101	31	13	48	48	120	145

¹ Small number of men not looking for work because of "home responsibilities" are included in "other reasons."

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 1979

Detailed reason for not seeking work	Total	Age in years				Race	
		16-19	20-24	25-59	60 and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	118	9	--	23	87	111	7
Lacks education or training	99	20	25	52	2	62	37
Other personal handicap	22	--	6	9	6	16	6
Job-market factors:							
Could not find job	262	31	41	159	31	165	97
Thinks no job available	223	10	21	140	51	186	37
Males							
Personal factors:							
Employers think too young or old	49	7	--	4	38	42	7
Lacks education or training	29	9	7	12	1	20	9
Other personal handicap	10	--	6	4	--	4	6
Job-market factors:							
Could not find job	101	20	24	44	13	64	37
Thinks no job available	97	5	10	49	33	86	11
Females							
Personal factors:							
Employers think too young or old	69	1	--	18	49	69	--
Lacks education or training	70	11	18	40	1	42	28
Other personal handicap	12	--	--	5	6	12	--
Job-market factors:							
Could not find job	161	11	19	114	18	101	60
Thinks no job available	126	5	10	93	18	100	26

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	
			16-24		25-59		60 and over					
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total, not in labor force	59,898	59,310	12,791	12,255	22,513	22,077	24,593	24,979	52,344	51,603	7,553	7,707
Never worked	9,878	9,343	5,196	4,716	2,263	2,149	2,420	2,478	7,964	7,462	1,913	1,882
Last worked over 5 years ago	28,370	28,935	311	293	11,313	11,221	16,747	17,421	25,457	25,777	2,914	3,159
Last worked 1 to 5 years ago	10,941	10,358	1,719	1,684	5,324	5,007	3,897	3,667	9,579	9,052	1,362	1,307
Left job during previous 12 months	10,707	10,661	5,564	5,560	3,613	3,700	1,530	1,402	9,344	9,312	1,364	1,349
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	45.9	47.0	61.4	63.1	38.9	39.2	6.0	4.0	46.8	47.9	39.7	40.4
Ill health, disability	8.0	7.6	2.0	1.7	13.0	14.2	18.2	13.5	7.7	7.1	10.4	11.2
Retirement, old age	7.2	7.4	--	--	2.7	2.8	44.0	48.5	7.7	7.7	3.7	4.7
Economic reasons	19.9	19.3	17.4	17.1	23.1	21.1	21.3	23.0	19.2	18.7	24.4	23.2
End of seasonal job	9.2	9.3	9.5	9.6	8.3	8.3	9.9	10.6	8.6	8.8	13.3	12.7
Slack work	5.2	4.8	3.5	3.2	7.4	7.2	5.8	4.8	5.3	4.8	4.1	4.8
End of temporary job	5.6	5.2	4.4	4.3	7.3	5.6	5.7	7.6	5.4	5.1	7.0	5.7
All other reasons	19.0	18.8	19.3	18.2	22.3	22.7	10.4	11.0	18.6	18.6	21.9	20.5
Males, not in labor force	17,368	17,405	5,104	4,972	3,133	3,165	9,131	9,268	14,859	14,832	2,509	2,573
Never worked	2,225	2,179	1,977	1,925	216	213	32	40	1,679	1,573	546	606
Last worked over 5 years ago	7,111	7,449	54	43	1,058	1,186	5,999	6,221	6,248	6,484	864	966
Last worked 1 to 5 years ago	3,712	3,493	425	363	1,086	993	2,201	2,136	3,218	3,064	494	429
Left job during previous 12 months	4,319	4,272	2,649	2,640	772	772	900	861	3,714	3,710	605	562
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	41.7	41.8	60.9	61.4	21.8	19.4	2.3	1.6	42.0	43.6	39.8	29.7
Ill health, disability	9.6	9.3	2.0	1.6	26.7	31.5	17.1	13.0	9.5	9.0	10.1	11.4
Retirement, old age	11.6	12.6	.1	--	6.6	8.8	49.9	54.7	12.5	13.1	6.1	9.4
Economic reasons	19.3	19.4	17.8	19.1	21.9	18.7	21.4	21.1	18.2	17.7	25.5	30.9
End of seasonal job	10.2	10.8	10.1	11.2	9.5	8.9	11.2	11.4	9.2	9.7	16.1	18.1
Slack work	5.0	4.0	3.8	3.2	8.4	7.1	5.8	3.7	5.0	3.6	5.1	6.9
End of temporary job	4.0	4.5	3.9	4.7	4.0	2.6	4.3	6.0	4.0	4.4	4.3	5.9
All other reasons	17.8	16.9	19.2	17.9	23.0	21.6	9.2	9.5	17.7	16.6	18.4	18.7
Females, not in labor force	42,529	41,905	7,688	7,283	19,381	18,912	15,461	15,711	37,485	36,772	5,044	5,133
Never worked	7,652	7,164	3,220	2,791	2,045	1,936	2,387	2,438	6,285	5,889	1,367	1,276
Last worked over 5 years ago	21,259	21,486	257	252	10,255	10,034	10,748	11,200	19,209	19,293	2,050	2,193
Last worked 1 to 5 years ago	7,229	6,865	1,294	1,320	4,238	4,013	1,696	1,531	6,361	5,988	868	878
Left job during previous 12 months	6,389	6,389	2,918	2,921	2,841	2,928	630	541	5,630	5,602	759	787
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	48.7	50.5	61.8	64.6	43.6	44.4	11.1	7.8	49.9	50.8	39.7	48.1
Ill health, disability	6.9	6.4	1.9	1.7	9.3	9.6	19.7	14.4	6.4	5.8	10.5	11.1
Retirement, old age	4.3	3.8	--	--	1.7	1.2	35.6	38.8	4.6	4.2	1.7	1.4
Economic reasons	20.3	19.2	17.0	15.3	23.3	21.9	21.3	25.7	19.9	19.4	23.5	17.7
End of seasonal job	8.5	8.3	9.0	8.3	8.0	8.1	7.8	9.2	8.1	8.2	11.1	8.8
Slack work	5.2	5.3	3.3	3.1	7.1	7.3	5.7	6.5	5.5	5.6	3.3	3.3
End of temporary job	6.6	5.6	4.8	3.9	8.2	6.5	7.8	10.0	6.3	5.6	9.1	5.6
All other reasons	19.8	20.1	19.3	18.4	22.1	22.9	12.2	13.3	19.2	19.8	24.6	21.8

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	
			16-24		25-59		60 and over					
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total	49,415	48,712	6,517	6,001	18,978	18,394	23,921	24,317	43,827	43,066	5,588	5,647
Do not intend to seek work	10,482	10,586	6,275	6,253	3,536	3,681	672	651	8,516	8,537	1,965	2,049
Intend to seek work in the next 12 months	1,975	1,891	1,858	1,748	117	137	1	5	1,480	1,365	496	526
Never worked	1,170	1,135	50	64	953	923	167	148	951	910	219	226
Last worked over 5 years ago	2,036	2,053	653	683	1,161	1,135	223	234	1,571	1,559	466	493
Last worked 1 to 5 years ago	5,300	5,507	3,715	3,758	1,303	1,486	282	263	4,516	4,704	785	804
Worked during previous 12 months												
Males	13,304	13,365	2,121	2,032	2,415	2,459	8,768	8,874	11,540	11,484	1,764	1,881
Do not intend to seek work	4,064	4,029	2,981	2,939	718	707	364	383	3,319	3,347	745	681
Intend to seek work in the next 12 months	823	764	804	738	18	26	--	--	640	568	183	196
Never worked	208	142	16	9	112	77	80	57	152	113	56	30
Last worked over 5 years ago	559	540	236	197	211	206	112	137	437	425	122	114
Last worked 1 to 5 years ago	2,474	2,582	1,925	1,997	378	397	172	189	2,091	2,241	384	342
Worked during previous 12 months												
Females	36,111	35,347	4,395	3,969	16,563	15,936	15,153	15,442	32,287	31,582	3,824	3,766
Do not intend to seek work	6,418	6,557	3,292	3,314	2,817	2,976	308	267	5,197	5,190	1,220	1,368
Intend to seek work in the next 12 months	1,153	1,126	1,052	1,010	99	111	1	5	840	797	313	330
Never worked	961	993	33	56	842	846	87	91	799	797	163	196
Last worked over 5 years ago	1,478	1,513	415	487	951	931	110	97	1,134	1,134	344	379
Last worked 1 to 5 years ago	2,826	2,925	1,792	1,761	926	1,088	110	74	2,425	2,463	401	462
Worked during previous 12 months												

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

[Numbers in thousands]

Employment status	Total		White		Black ¹		Hispanic origin ²	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
TOTAL								
Civilian noninstitutional population	158,004	160,570	138,839	140,857	16,503	16,884	7,479	7,642
Civilian labor force	98,106	101,260	86,495	89,254	9,937	10,199	4,568	4,848
Percent of population	62.1	63.1	62.3	63.4	60.2	60.4	61.1	63.4
Employment	91,400	94,901	81,286	84,319	8,586	8,891	4,103	4,443
Agriculture	2,851	2,828	2,597	2,563	206	216	181	188
Nonagricultural industries	88,550	92,073	78,689	81,756	8,380	8,675	3,922	4,255
Unemployment	6,705	6,360	5,209	4,934	1,351	1,308	464	404
Unemployment rate	6.8	6.3	6.0	5.5	13.6	12.8	10.2	8.3
Not in labor force	59,898	59,310	52,344	51,603	6,566	6,685	2,911	2,795
Males, 20 years and over								
Civilian noninstitutional population	66,556	67,827	59,138	60,183	6,343	6,501	2,977	3,094
Civilian labor force	52,775	53,933	47,142	48,134	4,799	4,889	2,524	2,652
Percent of population	79.3	79.5	79.7	80.0	75.7	75.2	84.8	85.7
Employment	49,911	51,346	44,866	46,107	4,269	4,372	2,316	2,486
Agriculture	2,140	2,126	1,925	1,904	180	185	147	151
Nonagricultural industries	47,771	49,220	42,941	44,203	4,089	4,187	2,170	2,334
Unemployment	2,864	2,587	2,276	2,027	530	517	208	166
Unemployment rate	5.4	4.8	4.8	4.2	11.0	10.6	8.3	6.3
Not in labor force	13,781	13,894	11,996	12,049	1,543	1,611	453	443
Females, 20 years and over								
Civilian noninstitutional population	74,994	76,345	65,760	66,805	7,944	8,160	3,429	3,505
Civilian labor force	36,780	38,491	31,700	33,222	4,355	4,505	1,580	1,705
Percent of population	49.0	50.4	48.2	49.7	54.8	55.2	46.1	48.6
Employment	34,490	36,211	29,965	31,494	3,867	4,000	1,426	1,560
Agriculture	447	457	419	426	19	23	21	20
Nonagricultural industries	34,043	35,754	29,546	31,069	3,848	3,977	1,405	1,540
Unemployment	2,289	2,279	1,735	1,728	488	505	154	145
Unemployment rate	6.2	5.9	5.5	5.2	11.2	11.2	9.7	8.5
Not in labor force	38,214	37,854	34,060	33,582	3,589	3,656	1,848	1,800
Both sexes, 16-19 years								
Civilian noninstitutional population	16,454	16,398	13,941	13,869	2,216	2,223	1,073	1,043
Civilian labor force	8,552	8,837	7,653	7,897	782	805	463	491
Percent of population	52.0	53.9	54.9	56.9	35.3	36.2	43.2	47.1
Employment	6,999	7,343	6,454	6,717	450	519	361	397
Agriculture	263	245	253	233	7	8	13	16
Nonagricultural industries	6,736	7,098	6,201	6,484	443	511	347	381
Unemployment	1,553	1,493	1,198	1,180	332	286	102	94
Unemployment rate	18.2	16.9	15.7	14.9	42.5	35.5	22.1	19.1
Not in labor force	7,902	7,562	6,288	5,972	1,434	1,418	610	552

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

² 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 ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	I	I	I	I	I	I	I	I
	1978	1979	1978	1979	1978	1979	1978	1979
TOTAL								
Civilian noninstitutional population	7,479	7,642	4,311	4,545	1,101	1,080	514	561
Civilian labor force	4,568	4,848	2,755	2,999	553	534	325	390
Percent of population	61.1	63.4	63.9	66.0	50.2	49.4	63.2	69.5
Employment	4,103	4,443	2,476	2,755	480	466	304	352
Agriculture	181	188	158	167	4	3	5	5
Nonagricultural industries	3,922	4,255	2,317	2,588	476	462	299	347
Unemployment	464	404	279	244	72	69	22	38
Unemployment rate	10.2	8.3	10.1	8.1	13.1	12.8	6.7	9.7
Not in labor force	2,911	2,795	1,556	1,546	549	546	188	171
Males, 20 years and over								
Civilian noninstitutional population	2,977	3,094	1,795	1,904	389	385	206	239
Civilian labor force	2,524	2,652	1,562	1,680	318	301	165	207
Percent of population	84.8	85.7	87.0	88.2	81.7	78.2	80.1	86.6
Employment	2,316	2,486	1,440	1,589	282	264	157	191
Agriculture	147	151	129	134	4	2	3	5
Nonagricultural industries	2,170	2,334	1,311	1,455	278	262	154	185
Unemployment	208	166	122	92	36	37	8	17
Unemployment rate	8.3	6.3	7.8	5.4	11.3	12.2	4.9	8.0
Not in labor force	453	443	232	224	71	85	41	31
Females, 20 years and over								
Civilian noninstitutional population	3,429	3,505	1,863	1,980	555	544	256	263
Civilian labor force	1,580	1,705	896	994	184	185	134	146
Percent of population	46.1	48.6	48.1	50.2	33.2	34.0	52.3	55.5
Employment	1,426	1,560	800	899	166	164	123	135
Agriculture	21	20	17	18	--	--	2	--
Nonagricultural industries	1,405	1,540	783	881	166	164	122	135
Unemployment	154	145	95	95	19	21	10	10
Unemployment rate	9.7	8.5	10.6	9.5	10.1	11.1	7.6	7.0
Not in labor force	1,848	1,800	968	986	370	359	122	118
Both sexes, 16-19 years								
Civilian noninstitutional population	1,073	1,043	653	660	158	151	52	59
Civilian labor force	463	491	297	324	51	49	27	37
Percent of population	43.2	47.1	45.5	49.1	32.3	32.5	51.9	62.7
Employment	361	397	235	267	33	38	23	26
Agriculture	13	16	12	15	--	1	--	--
Nonagricultural industries	347	381	223	253	33	36	23	26
Unemployment	102	94	62	57	18	11	4	11
Unemployment rate	22.1	19.1	20.8	17.6	35.1	23.1	(2)	(2)
Not in labor force	610	552	356	336	107	102	26	22

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

² Percent not shown where base is less than 80,000.

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 ¹	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
CHARACTERISTICS								
Total, 16 years and over	91,400	94,901	81,286	84,319	10,114	10,581	4,103	4,443
Males	53,647	55,146	48,298	49,588	5,349	5,558	2,530	2,723
Females	37,754	39,755	32,988	34,732	4,766	5,023	1,574	1,720
OCCUPATION								
White-collar workers	46,642	48,848	42,922	44,854	3,720	3,993	1,367	1,490
Professional and technical	14,250	15,153	13,044	13,864	1,206	1,289	328	336
Managers and administrators, except farm ...	10,039	10,318	9,551	9,780	488	538	245	271
Sales workers	5,756	5,950	5,488	5,654	267	296	164	174
Clerical workers	16,597	17,427	14,389	15,556	1,758	1,871	630	709
Blue-collar workers	29,795	31,017	26,109	27,221	3,686	3,797	1,896	2,090
Craft and kindred workers	11,773	12,453	10,898	11,479	875	974	546	618
Operatives, except transport	10,449	10,767	8,923	9,192	1,526	1,575	885	935
Transport equipment operatives	3,470	3,551	2,978	3,075	492	477	161	182
Nonfarm laborers	4,104	4,246	3,311	3,475	793	771	304	355
Service workers	12,549	12,658	10,062	10,081	2,487	2,577	711	720
Farm workers	2,415	2,377	2,194	2,163	221	215	130	144
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,155	1,171	964	964	192	207	160	173
Self-employed workers	1,464	1,444	1,408	1,389	56	56	20	15
Unpaid family workers	231	212	225	211	6	2	1	--
Nonagricultural industries:								
Wage and salary workers	81,901	85,162	72,460	75,257	9,440	9,906	3,751	4,012
Government	15,498	15,493	13,098	13,057	2,400	2,437	570	616
Private industries	66,403	69,669	59,363	62,200	7,040	7,469	3,182	3,397
Private households	1,303	1,214	889	811	414	403	85	66
Other industries	65,100	68,455	58,474	61,389	6,626	7,066	3,097	3,331
Self-employed workers	6,173	6,452	5,780	6,067	393	386	151	222
Unpaid family workers	477	458	449	433	27	25	20	21
FULL- AND PART-TIME STATUS²								
Full-time schedules	74,220	77,325	65,889	68,574	8,330	8,751	3,448	3,765
Part time for economic reasons	3,238	3,247	2,663	2,705	575	542	195	211
Part time for noneconomic reasons	13,942	14,329	12,733	13,040	1,209	1,288	460	467

¹ See footnote 2, table A-59.

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

² 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 ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
CHARACTERISTICS								
Total, 16 years and over	4,103	4,443	2,476	2,755	480	466	304	352
Males	2,530	2,723	1,577	1,745	303	286	174	210
Females	1,574	1,720	899	1,010	177	180	130	142
OCCUPATION								
White-collar workers	1,367	1,490	694	793	176	173	134	159
Professional and technical	328	336	143	146	35	40	40	48
Managers and administrators, except farm	245	271	135	154	22	21	23	28
Sales workers	164	174	83	87	22	16	20	23
Clerical workers	630	709	333	406	97	96	51	60
Blue-collar workers	1,896	2,090	1,242	1,379	221	205	125	154
Craft and kindred workers	546	618	368	399	53	48	33	48
Operatives, except transport	885	935	539	592	125	111	65	72
Transport equipment operatives	161	182	116	124	17	21	8	13
Nonfarm laborers	304	355	219	264	26	25	19	21
Service workers	711	720	423	450	79	84	42	38
Farm workers	130	144	114	133	4	3	3	--
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	160	173	145	159	5	3	2	3
Self-employed workers	20	15	13	8	--	--	2	2
Unpaid family workers	1	--	--	--	--	--	1	--
Nonagricultural industries:								
Wage and salary workers	3,751	4,012	2,222	2,460	461	444	277	315
Government	570	616	368	414	69	77	24	24
Private industries	3,182	3,397	1,854	2,046	393	367	254	291
Private households	85	66	52	45	2	3	2	--
Other industries	3,097	3,331	1,802	2,001	391	364	252	291
Self-employed workers	151	222	85	118	10	20	1,920	29
Unpaid family workers	20	21	10	10	4	--	3	2
FULL- AND PART-TIME STATUS²								
Full-time schedules	3,448	3,765	2,063	2,320	428	410	259	299
Part time for economic reasons	195	211	133	151	15	17	8	9
Part time for noneconomic reasons	460	467	280	284	37	38	36	45

¹ See footnote 1, table A-60.

² 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 ¹		Hispanic origin ²	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total, 16 years and over	91,400	94,901	81,286	84,319	8,586	8,891	4,103	4,443
16 to 19 years	6,999	7,343	6,454	6,717	450	519	361	397
16 to 17 years	2,737	2,914	2,567	2,694	138	178	115	130
18 to 19 years	4,262	4,430	3,888	4,023	312	341	246	267
20 to 24 years	12,743	13,450	11,289	11,899	1,245	1,312	714	794
25 years and over	71,658	74,107	63,543	65,703	6,890	7,059	3,029	3,253
25 to 54 years	57,758	59,798	50,932	52,735	5,749	5,906	2,703	2,888
55 years and over	13,901	14,308	12,612	12,968	1,140	1,153	326	365
Males, 16 years and over	53,647	55,146	48,298	49,588	4,517	4,643	2,530	2,723
16 to 19 years	3,735	3,800	3,432	3,480	249	271	214	237
16 to 17 years	1,476	1,508	1,384	1,398	75	90	73	80
18 to 19 years	2,259	2,292	2,048	2,082	174	181	141	157
20 to 24 years	6,850	7,212	6,122	6,412	628	675	426	469
25 years and over	43,061	44,133	38,745	39,696	3,640	3,697	1,890	2,017
25 to 54 years	34,538	35,394	30,952	31,704	3,007	3,070	1,666	1,767
55 years and over	8,524	8,739	7,792	7,991	634	627	224	250
Females, 16 years and over	37,354	39,755	32,988	34,732	4,068	4,248	1,574	1,720
16 to 19 years	3,264	3,543	3,023	3,237	201	248	147	160
16 to 17 years	1,260	1,406	1,182	1,296	63	88	42	50
18 to 19 years	2,003	2,138	1,840	1,941	139	160	105	110
20 to 24 years	5,893	6,237	5,167	5,487	617	637	287	325
25 years and over	28,598	29,974	24,798	26,007	3,249	3,363	1,140	1,234
25 to 54 years	23,221	24,405	19,978	21,030	2,742	2,837	1,037	1,121
55 years and over	5,378	5,569	4,819	4,977	507	526	103	113

¹ See footnote 1, table A-59.

² See footnote 2, table A-59.

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

Sex and age	Total		White		Black ¹		Hispanic origin ²	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total, 16 years and over	6.8	6.3	6.0	5.5	13.6	12.8	10.2	8.3
16 to 19 years	18.2	16.9	15.7	14.9	42.5	35.5	22.1	19.1
16 to 17 years	21.2	19.8	18.9	18.0	48.1	38.8	33.4	27.6
18 to 19 years	16.1	14.9	13.4	12.8	39.6	33.6	15.3	14.2
20 to 24 years	11.5	9.8	10.0	8.3	22.5	21.6	12.7	11.1
25 years and over	4.6	4.4	4.1	3.9	8.7	8.6	7.9	6.1
25 to 54 years	4.8	4.6	4.3	4.1	9.2	9.0	8.0	6.0
55 years and over	3.9	3.5	3.6	3.2	6.0	6.3	7.1	6.6
Males, 16 years and over	6.5	5.9	5.7	5.2	13.5	12.7	9.5	7.4
16 to 19 years	18.4	18.2	16.0	16.1	41.6	37.0	21.0	17.7
16 to 17 years	22.1	21.7	19.7	20.0	50.3	40.8	29.7	26.5
18 to 19 years	15.8	15.6	13.4	13.4	36.8	34.9	15.6	12.5
20 to 24 years	12.2	10.0	10.7	8.6	23.5	21.3	12.0	10.5
25 years and over	4.3	3.9	3.8	3.5	8.5	8.3	7.3	5.2
25 to 54 years	4.3	4.0	3.9	3.5	8.7	8.6	7.3	5.1
55 years and over	3.9	3.4	3.6	3.1	7.4	6.7	7.5	6.4
Females, 16 years and over	7.4	6.9	6.5	6.1	13.7	12.9	11.2	9.8
16 to 19 years	17.9	15.5	15.2	13.6	43.5	33.8	23.6	21.0
16 to 17 years	20.1	17.6	18.0	15.7	45.1	36.6	39.0	29.3
18 to 19 years	16.4	14.1	13.4	12.2	42.7	32.2	14.9	16.6
20 to 24 years	10.8	9.6	9.3	7.9	21.3	21.8	13.5	11.9
25 years and over	5.2	5.1	4.6	4.6	9.0	8.9	8.7	7.6
25 to 54 years	5.6	5.5	4.9	4.9	9.8	9.4	8.9	7.5
55 years and over	3.7	3.6	3.6	3.3	4.2	5.7	6.4	7.3

¹ See footnote 1, table A-59.

² 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 ¹	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Duration								
Total, 16 years and over	6,705	6,360	5,209	4,934	1,496	1,425	464	404
Less than 5 weeks	2,737	2,744	2,212	2,200	525	545	182	172
5 to 14 weeks	2,227	2,193	1,727	1,699	499	493	152	151
15 weeks and over	1,742	1,423	1,270	1,035	472	387	130	82
15 to 26 weeks	994	853	746	636	248	217	76	61
27 weeks and over	748	570	524	400	224	170	54	21
Average (mean) duration, in weeks	12.8	11.6	12.0	10.9	15.4	13.7	13.5	10.0
Median duration, in weeks	7.2	6.5	6.8	6.2	8.9	7.7	7.6	6.4
Percent distribution								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	40.8	43.1	42.5	44.6	35.1	38.2	39.2	42.5
5 to 14 weeks	33.2	34.5	33.2	34.4	33.4	34.6	32.8	37.3
15 weeks and over	26.0	22.4	24.4	21.0	31.6	27.2	28.0	20.2
15 to 26 weeks	14.8	13.4	14.3	12.9	16.6	15.2	16.4	15.1
27 weeks and over	11.2	9.0	10.1	8.1	15.0	11.9	11.6	5.2

¹ 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 ¹	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
NUMBER OF UNEMPLOYED								
Total, 16 years and over	6,705	6,360	5,209	4,934	1,496	1,425	464	404
Job losers	3,199	3,001	2,568	2,354	630	647	235	204
On layoff	1,013	1,095	900	925	113	170	54	41
Other job losers	2,185	1,905	1,668	1,428	517	477	181	163
Job leavers	870	872	736	726	135	146	55	64
Reentrants	1,853	1,766	1,357	1,342	495	424	114	94
New entrants	784	721	548	513	236	208	61	41
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	47.7	47.2	49.3	47.7	42.2	45.4	50.5	50.6
On layoff	15.1	17.2	17.3	18.8	7.6	11.9	11.6	10.2
Other job losers	32.6	30.0	32.0	28.9	34.6	33.5	38.9	40.4
Job leavers	13.0	13.7	14.1	14.7	9.0	10.3	11.8	15.9
Reentrants	27.6	27.8	26.1	27.2	33.1	29.9	24.5	23.3
New entrants	11.7	11.3	10.5	10.4	15.8	14.6	13.1	10.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.2	3.0	2.9	2.6	5.5	5.4	5.1	4.2
Job leavers .....	.9	.9	.9	.8	1.2	1.2	1.2	1.3
Reentrants	1.9	1.7	1.6	1.5	4.3	3.5	2.5	1.9
New entrants .....	.8	.7	.6	.6	2.0	1.7	1.3	.8

¹ 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			
							Number		Percent of labor force	
I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	
VETERANS¹										
Total, 20 years and over	8,255	8,477	7,785	8,061	7,315	7,607	470	453	6.0	5.6
20 to 24 years	827	624	731	580	613	492	118	88	16.1	15.2
25 to 39 years	6,747	7,054	6,487	6,793	6,162	6,458	325	336	5.0	4.9
25 to 29 years	2,539	2,090	2,399	1,986	2,239	1,834	160	152	6.7	7.6
30 to 34 years	3,226	3,558	3,131	3,438	2,997	3,301	134	136	4.3	4.0
35 to 39 years	982	1,406	556	1,370	925	1,322	31	48	3.3	3.5
40 years and over	681	798	567	687	540	658	27	29	4.8	4.3
NONVETERANS²										
Total, 25 to 39 years	13,382	14,241	12,680	13,509	12,021	12,905	659	604	5.2	4.5
25 to 29 years	5,860	6,469	5,506	6,087	5,147	5,743	359	344	6.5	5.6
30 to 34 years	3,993	4,084	3,801	3,899	3,624	3,749	177	150	4.7	3.8
35 to 39 years	3,528	3,687	3,373	3,523	3,250	3,412	123	111	3.6	3.2

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

² 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.

NOTE: Seasonally-adjusted data are no longer being provided because the changing age composition of the Vietnam-era veterans' population distorts the ability to identify seasonality in the series.

A-68. Employment status of male Vietnam-Era veterans and nonveterans 25 to 39 years by age, race, and Hispanic origin

(Numbers in thousands)

Employment status	Veterans ¹						Nonveterans					
	White		Black and other		Hispanic origin ²		White		Black and other		Hispanic origin ²	
	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total, 25 to 39 years:												
Civilian noninstitutional population	6,112	6,362	631	692	216	233	11,592	12,365	1,790	1,875	908	968
Civilian labor force	5,892	6,146	592	647	202	220	11,064	11,842	1,616	1,667	860	918
Employed	5,625	5,873	534	586	190	209	10,551	11,387	1,470	1,518	785	872
Unemployed	267	273	58	61	12	11	513	455	146	149	75	46
Unemployment rate	4.5	4.4	9.8	9.4	5.9	5.0	4.6	3.8	9.0	8.9	8.7	5.0
25 to 29 years												
Civilian noninstitutional population	2,283	1,859	256	231	87	91	5,109	5,660	751	809	392	396
Civilian labor force	2,162	1,768	237	217	81	86	4,840	5,383	666	704	368	374
Employed	2,030	1,650	209	184	76	82	4,558	5,131	589	612	328	357
Unemployed	132	118	28	33	5	4	282	252	77	92	40	17
Unemployment rate	6.1	6.7	11.8	15.2	6.2	4.7	5.8	4.7	11.6	13.1	10.9	4.5
30 to 34 years												
Civilian noninstitutional population	2,950	3,242	276	316	103	112	3,442	3,515	551	569	269	297
Civilian labor force	2,869	3,144	262	294	95	104	3,307	3,384	494	515	255	279
Employed	2,761	3,024	236	278	89	99	3,176	3,274	448	476	235	268
Unemployed	108	120	26	16	6	5	131	110	46	39	20	11
Unemployment rate	3.8	3.8	9.9	5.4	6.3	4.8	4.0	3.3	9.3	7.6	7.8	3.9
35 to 39 years												
Civilian noninstitutional population	879	1,261	99	145	26	30	3,041	3,190	488	497	247	275
Civilian labor force	861	1,234	93	136	26	30	2,917	3,075	456	448	237	265
Employed	834	1,199	89	124	25	28	2,817	2,982	431	430	222	247
Unemployed	27	35	4	12	1	2	100	93	25	18	15	18
Unemployment rate	3.1	2.8	4.3	8.8	(3)	(3)	3.4	3.0	5.5	4.0	6.3	6.8

¹ See footnote 1, table A-67.

² See footnote 2, table A-59.

³ Percent not shown where base is less than 60,000.

**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 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total												
Civilian noninstitutional population	106,499	109,267	44,919	45,915	61,580	63,352	51,505	51,303	4,884	4,603	46,621	46,700
Civilian labor force	67,126	70,143	27,487	28,453	39,639	41,690	30,980	31,117	2,895	2,815	28,085	28,302
Percent of population	63.0	64.2	61.2	62.0	64.4	65.8	60.1	60.7	59.3	61.2	60.2	60.6
Employed	62,530	65,776	25,258	26,343	37,272	39,433	28,870	29,125	2,805	2,742	26,065	26,383
Unemployed	4,596	4,367	2,229	2,110	2,367	2,257	2,110	1,992	90	73	2,020	1,919
Unemployment rate	6.8	6.2	8.1	7.4	6.0	5.4	6.8	6.4	3.1	2.6	7.2	6.8
Not in labor force	39,373	39,125	17,432	17,462	21,941	21,663	20,525	20,185	1,989	1,788	18,536	18,397
Males, 20 years and over												
Civilian noninstitutional population	44,710	46,009	18,482	19,010	26,228	26,999	21,845	21,817	2,206	2,084	19,639	19,733
Civilian labor force	35,935	37,149	14,261	14,753	21,674	22,396	16,840	16,783	1,791	1,709	15,049	15,074
Percent of population	80.4	80.7	77.2	77.6	82.6	83.0	77.1	76.9	81.2	82.0	76.6	76.4
Employed	33,971	35,367	13,290	13,841	20,681	21,526	15,941	15,979	1,757	1,675	14,184	14,304
Unemployed	1,964	1,782	970	912	994	870	900	805	34	34	866	771
Unemployment rate	5.5	4.8	6.8	6.2	4.6	3.9	5.3	4.8	1.9	2.0	5.8	5.1
Not in labor force	8,776	8,860	4,222	4,257	4,554	4,603	5,005	5,034	414	375	4,591	4,659
Females, 20 years and over												
Civilian noninstitutional population	50,775	52,280	22,033	22,596	28,742	29,684	24,219	24,065	2,006	1,948	22,123	22,117
Civilian labor force	25,416	27,010	11,080	11,543	14,336	15,467	11,364	11,481	819	809	10,545	10,672
Percent of population	50.1	51.7	50.3	51.1	49.9	52.1	46.9	47.7	39.1	41.5	47.7	48.3
Employed	23,849	25,458	10,304	10,774	13,545	14,684	10,641	10,753	784	788	9,857	9,965
Unemployed	1,567	1,552	775	769	792	783	722	727	36	21	686	706
Unemployment rate	6.2	5.7	7.0	6.7	5.5	5.1	6.4	6.3	4.3	2.7	6.5	6.6
Not in labor force	25,359	25,270	10,953	11,053	14,406	14,217	12,855	12,584	1,277	1,139	11,578	11,445
Both sexes, 16-19 years												
Civilian noninstitutional population	11,014	10,978	4,404	4,310	6,610	6,668	5,441	5,420	582	571	4,859	4,849
Civilian labor force	5,776	5,983	2,147	2,157	3,629	3,826	2,776	2,853	284	297	2,492	2,556
Percent of population	52.4	54.5	48.8	50.0	54.9	57.4	51.0	52.6	48.8	52.0	51.3	52.7
Employed	4,711	4,951	1,663	1,728	3,048	3,223	2,288	2,393	264	280	2,024	2,113
Unemployed	1,065	1,033	484	429	581	604	488	460	20	17	468	443
Unemployment rate	18.4	17.3	22.5	19.9	16.0	15.8	17.6	16.1	7.0	5.7	18.8	17.3
Not in labor force	5,238	4,995	2,257	2,151	2,981	2,844	2,665	2,567	298	274	2,367	2,293
White												
Civilian noninstitutional population	92,094	94,040	34,606	35,150	57,488	58,890	46,745	46,817	4,562	4,353	42,183	42,464
Civilian labor force	58,212	60,660	21,315	21,979	36,897	38,681	28,283	28,594	2,725	2,686	25,558	25,908
Percent of population	63.2	64.5	61.6	62.5	64.2	65.7	60.5	61.1	59.7	61.7	60.6	61.0
Employed	54,785	57,415	19,980	20,718	34,805	36,697	26,502	26,904	2,657	2,623	23,845	24,281
Unemployed	3,427	3,244	1,336	1,261	2,091	1,983	1,781	1,690	68	63	1,713	1,627
Unemployment rate	5.9	5.3	6.3	5.7	5.7	5.1	6.3	5.9	2.5	2.4	6.7	6.3
Not in labor force	33,882	33,381	13,291	13,171	20,591	20,210	18,462	18,223	1,837	1,667	16,625	16,556
Black and other												
Civilian noninstitutional population	14,405	15,227	10,314	10,765	4,091	4,462	4,759	4,486	322	250	4,437	4,236
Civilian labor force	8,914	9,483	6,172	6,474	2,742	3,009	2,697	2,523	170	129	2,527	2,394
Percent of population	61.9	62.3	59.8	60.1	67.0	67.4	56.7	56.2	52.7	51.6	57.0	56.5
Employed	7,746	8,360	5,279	5,625	2,467	2,735	2,368	2,221	148	120	2,220	2,101
Unemployed	1,168	1,123	894	849	274	274	328	302	22	9	306	293
Unemployment rate	13.1	11.8	14.5	13.1	10.0	9.1	12.2	12.0	12.8	7.3	12.1	12.2
Not in labor force	5,491	5,744	4,140	4,291	1,351	1,453	2,063	1,963	152	121	1,911	1,842

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 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total												
Civilian noninstitutional population	28,987	28,999	129,016	131,571	11,231	11,011	95,268	98,257	17,756	17,989	33,748	33,314
Civilian labor force	15,943	16,015	82,163	85,245	6,004	5,891	61,123	64,252	9,939	10,124	21,040	20,993
Percent of population	55.0	55.2	63.7	64.8	53.5	53.5	64.2	65.4	56.0	56.3	62.3	63.0
Employed	14,451	14,600	76,950	80,301	5,223	5,182	57,308	60,594	9,228	9,418	19,642	19,706
Unemployed	1,492	1,415	5,213	4,945	781	709	3,815	3,658	711	706	1,398	1,287
Unemployment rate	9.4	8.8	6.3	5.8	13.0	12.0	6.2	5.7	7.2	7.0	6.6	6.1
Not in labor force	13,044	12,984	46,853	46,325	5,228	5,120	34,145	34,004	7,816	7,864	12,708	12,321
White												
Civilian noninstitutional population	20,409	20,609	118,430	120,248	5,901	5,649	86,193	88,391	14,508	14,960	32,237	31,856
Civilian labor force	11,431	11,585	75,064	77,669	3,205	3,058	55,007	57,602	8,226	8,527	20,057	20,067
Percent of population	56.0	56.2	63.4	64.6	54.3	54.1	63.8	65.2	56.7	57.0	62.2	63.0
Employed	10,651	10,821	70,635	73,499	2,922	2,804	51,862	54,612	7,729	8,017	18,773	18,887
Unemployed	780	764	4,429	4,170	282	254	3,145	2,990	498	510	1,284	1,180
Unemployment rate	6.8	6.6	5.9	5.4	8.8	8.3	5.7	5.2	6.1	6.0	6.4	5.9
Not in labor force	8,978	9,024	43,367	42,579	2,696	2,591	31,186	30,790	6,282	6,433	12,181	11,789
Black and other												
Civilian noninstitutional population	8,578	8,390	10,586	11,323	5,331	5,361	9,074	9,866	3,247	3,028	1,512	1,458
Civilian labor force	4,511	4,430	7,099	7,577	2,799	2,833	6,115	6,651	1,712	1,597	984	926
Percent of population	52.6	52.8	67.1	66.9	52.5	52.8	67.4	67.4	52.7	52.7	65.1	63.5
Employed	3,800	3,779	6,314	6,802	2,300	2,378	5,446	5,983	1,500	1,402	868	819
Unemployed	712	651	785	775	498	455	670	668	214	196	115	107
Unemployment rate	15.8	14.7	11.1	10.2	17.8	16.1	11.0	10.0	12.4	12.2	11.7	11.5
Not in labor force	4,067	3,960	3,487	3,747	2,532	2,529	2,959	3,215	1,535	1,431	528	532

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 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979	I 1978	I 1979
Total												
Both sexes, 16 years and over	9.4	8.8	6.3	5.8	13.0	12.0	6.2	5.7	7.2	7.0	6.6	6.1
Males, 20 years and over	7.4	7.0	5.0	4.4	11.0	10.2	4.9	4.3	5.4	5.2	5.3	4.6
Females, 20 years and over	9.0	8.7	5.7	5.4	11.4	10.7	5.6	5.3	7.4	7.5	5.9	5.8
Both sexes, 16-19 years	23.3	21.0	17.2	16.2	32.3	29.4	17.1	16.2	17.7	16.1	17.5	16.1
White												
Both sexes, 16 years and over	6.8	6.6	5.9	5.4	8.8	8.3	5.7	5.2	6.1	6.0	6.4	5.9
Males, 20 years and over	5.5	5.6	4.7	4.0	7.2	7.6	4.6	3.9	4.8	4.8	5.2	4.4
Females, 20 years and over	6.7	6.7	5.3	5.0	8.5	7.6	5.2	4.8	6.0	6.4	5.6	5.5
Both sexes, 16-19 years	16.1	13.3	15.6	15.2	20.8	16.6	15.2	14.9	14.3	12.2	16.6	15.8
Black and other												
Both sexes, 16 years and over	15.8	14.7	11.1	10.2	17.8	16.1	11.0	10.0	12.4	12.2	11.7	11.5
Males, 20 years and over	13.0	11.4	8.7	8.7	15.9	13.6	8.8	8.5	8.5	7.8	8.3	9.8
Females, 20 years and over	13.8	13.2	9.2	9.0	14.3	13.5	9.1	8.7	13.0	12.6	10.3	10.8
Both sexes, 16-19 years	41.2	39.0	38.1	29.0	44.1	40.4	38.2	29.7	35.6	36.2	37.3	25.2

HOUSEHOLD DATA QUARTERLY AVERAGES

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

(Numbers in thousands)

Family relationship	I 1978				I 1979			
	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
TOTAL								
Unemployed, total	6,705	39.7	60.3	53.9	6,360	40.4	59.6	53.3
Unemployed, in families ¹	5,763	29.8	70.2	62.7	5,444	30.4	69.6	62.2
Husbands ²	1,462	49.2	50.8	38.2	1,329	51.0	49.0	36.0
Wives	1,243	16.0	84.0	78.3	1,240	15.7	84.3	79.8
Relatives in husband-wife families	1,901	10.5	89.5	85.8	1,745	10.0	90.0	85.6
Women who head families	392	82.7	17.3	12.8	406	84.7	15.3	10.1
Relatives of female heads	765	36.1	63.9	51.9	724	36.3	63.7	53.5
Unemployed, not in families ³	942	--	--	--	916	--	--	--
White								
Unemployed, total	5,209	38.0	62.0	55.3	4,934	38.7	61.3	55.0
Unemployed, in families ¹	4,473	27.9	72.1	64.4	4,221	28.4	71.6	64.3
Husbands ²	1,241	49.8	50.2	37.1	1,108	52.5	47.5	34.6
Wives	1,019	15.4	84.6	78.8	1,039	15.4	84.6	80.2
Relatives in husband-wife families	1,552	10.2	89.8	86.0	1,441	9.6	90.4	86.3
Women who head families	226	76.5	23.5	16.8	228	80.3	19.7	11.4
Relatives of female heads	435	32.2	67.8	56.6	405	33.1	66.9	56.5
Unemployed, not in families ³	736	--	--	--	713	--	--	--
Black⁴								
Unemployed, total	1,351	45.4	54.6	48.9	1,308	47.0	53.0	46.7
Unemployed, in families ¹	1,187	37.8	62.2	55.6	1,125	38.4	61.6	54.3
Husbands ²	194	47.9	52.1	43.8	196	43.9	56.1	43.4
Wives	200	18.5	81.5	76.5	176	17.6	82.4	77.8
Relatives in husband-wife families	312	12.2	87.8	85.6	273	12.5	87.5	81.7
Women who head families	161	91.3	8.7	6.8	172	90.7	9.3	8.1
Relatives of female heads	320	41.9	58.1	45.0	308	40.6	59.4	49.4
Unemployed, not in families ³	164	--	--	--	183	--	--	--

¹ In primary families only.

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

³ Includes unrelated individuals and persons in secondary families.

⁴ 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 1978				I 1979			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time
TOTAL								
Employed, total	91,400	38.4	61.6	52.4	94,901	37.9	62.1	52.9
Employed, in families ¹	78,915	28.7	71.3	60.6	81,465	27.6	72.4	61.6
Husbands ²	38,688	41.6	58.4	42.1	39,479	40.1	59.9	43.2
Wives	21,380	9.4	90.6	86.1	22,400	8.9	91.1	87.1
Relatives in husband-wife families	11,441	6.5	93.5	90.2	11,891	6.7	93.3	89.6
Women who head families	4,289	67.5	32.5	22.5	4,494	67.1	32.9	22.5
Relatives of female heads	3,117	28.5	71.5	60.2	3,201	27.4	72.6	62.6
Employed, not in families ³	12,485	--	--	--	13,436	--	--	--
White								
Employed, total	81,286	38.0	62.0	52.6	84,319	37.3	62.7	53.2
Employed, in families ¹	70,421	28.4	71.6	60.7	72,627	27.3	72.7	61.7
Husbands ²	35,253	42.1	57.9	41.0	35,998	40.5	59.5	42.3
Wives	19,136	9.1	90.9	86.6	20,103	8.5	91.5	87.6
Relatives in husband-wife families	10,408	6.4	93.6	90.6	10,736	6.4	93.6	90.1
Women who head families	3,170	64.4	35.6	24.3	3,351	65.2	34.8	23.1
Relatives of female heads	2,454	28.8	71.8	60.5	2,439	26.4	73.6	63.8
Employed, not in families ³	10,865	--	--	--	11,692	--	--	--
Black⁴								
Employed, total	8,586	43.1	56.9	49.8	8,891	43.5	56.5	49.5
Employed, in families ¹	7,236	32.4	67.6	59.1	7,422	32.3	67.7	59.3
Husbands ²	2,883	36.4	63.6	52.7	2,864	36.2	63.8	52.2
Wives	1,877	12.5	87.5	81.9	1,869	14.0	86.0	81.2
Relatives in husband-wife families	806	8.7	91.3	85.2	912	10.0	90.0	83.8
Women who head families	1,054	76.5	23.5	17.2	1,070	73.6	26.4	20.3
Relatives of female heads	616	30.4	69.6	57.6	707	31.4	68.6	57.7
Employed, not in families ³	1,350	--	--	--	1,469	--	--	--

¹ See footnote 1, table A-72.

² See footnote 2, table A-72.

³ See footnote 3, table A-72.

⁴ See footnote 4, table A-72.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

Year and month	Goods-producing					Service-producing								Government		
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Total	Federal	State and local		
							Total	Wholesale trade	Retail trade							
1919	27,078	12,828	1,133	1,036	10,659	14,250	3,711	4,514	-	-	1,096	2,253	2,676	-	-	
1920	27,340	12,760	1,239	863	10,658	14,580	3,998	4,467	-	-	1,160	2,352	2,603	-	-	
1925	28,766	12,489	1,089	1,461	9,939	16,277	3,826	5,576	-	-	1,218	2,857	2,800	-	-	
1926	29,806	12,911	1,185	1,570	10,156	16,895	3,942	5,784	-	-	1,290	3,033	2,846	-	-	
1927	29,962	12,738	1,114	1,623	10,001	17,224	3,895	5,908	-	-	1,352	3,154	2,915	-	-	
1928	29,986	12,618	1,050	1,621	9,947	17,368	3,828	5,874	-	-	1,420	3,251	2,995	-	-	
1929	31,324	13,301	1,087	1,512	10,702	18,023	3,916	6,123	-	-	1,494	3,425	3,065	533	2,532	
1930	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622	
1931	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704	
1932	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666	
1933	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601	
1934	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647	
1935	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728	
1936	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842	
1937	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923	
1938	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054	
1939	30,603	12,297	854	1,165	10,278	18,306	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	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206	
1941	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,250	1,525	3,905	4,660	1,340	3,320	
1942	40,106	18,470	992	2,198	15,280	21,636	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	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,174	
1944	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,213	1,461	4,145	6,043	2,928	3,116	
1945	40,374	17,507	836	1,147	15,524	22,867	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	24,404	4,061	8,376	2,291	6,085	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	6,484	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	26,691	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	27,860	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	29,128	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	29,239	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	7,609	2,298	6,240	6,914	2,187	4,727	
1956	52,369	21,104	822	3,039	17,243	31,265	4,244	10,858	3,018	7,840	2,389	6,497	7,277	2,209	5,069	
1957	52,853	20,964	828	2,962	17,174	31,889	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	31,811	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	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850	
1960	54,189	20,434	712	2,926	16,796	33,755	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	36,013	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	37,278	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	38,839	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	40,743	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	42,495	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	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102	
1969	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437	
1970	70,880	23,578	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	48,278	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	82,256	24,288	809	3,833	19,647	57,968	4,696	18,492	4,697	13,795	4,452	15,249	15,079	2,727	12,352	
1978	85,763	25,381	837	4,212	20,332	60,382	4,859	19,394	4,898	14,496	4,676	15,979	15,476	2,753	12,723	
Mar	83,897	24,356	866	3,675	19,995	59,541	4,759	18,801	4,815	13,986	4,577	15,678	15,726	2,725	13,001	
Apr	85,075	24,973	858	4,014	20,101	60,102	4,808	19,053	4,843	14,210	4,609	15,866	15,766	2,739	13,027	
May	85,796	25,262	870	4,183	20,209	60,534	4,842	19,267	4,870	14,397	4,642	15,975	15,808	2,756	13,052	
June	86,799	25,839	895	4,462	20,482	60,960	4,920	19,499	4,934	14,565	4,712	16,138	15,691	2,802	12,889	
July	85,925	25,712	900	4,572	20,240	60,213	4,856	19,469	4,930	14,539	4,746	16,213	14,929	2,815	12,114	
Aug	86,134	25,997	902	4,633	20,462	60,137	4,870	19,519	4,930	14,589	4,754	16,235	15,759	2,793	11,966	
Sept.	86,688	26,131	894	4,586	20,651	60,557	4,908	19,634	4,932	14,702	4,724	16,159	15,132	2,744	12,388	
Oct	87,303	26,161	897	4,601	20,663	61,142	4,952	19,701	4,970	14,731	4,732	16,201	15,556	2,746	12,810	
Nov	87,800	26,157	904	4,517	20,736	61,643	4,972	19,971	4,988	14,983	4,760	16,237	15,703	2,746	12,957	
Dec	88,054	25,967	898	4,331	20,738	62,087	4,992	20,388	5,010	15,378	4,775	16,245	15,687	2,733	12,954	
1979:																
Jan.	86,295	25,428	892	3,934	20,602	60,867	4,919	19,619	4,985	14,634	4,771	16,058	15,500	2,730	12,770	
Feb.P.	86,503	25,408	894	3,892	20,622	61,095	4,939	19,429	4,983	14,446	4,785	16,230	15,712	2,738	12,974	
Mar.P.	87,243	25,725	901	4,093	20,731	61,518	4,971	19,600	5,016	14,584	4,815	16,345	15,787	2,741	13,046	

¹ 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 1969 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 ¹				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
-	TOTAL	82,962	83,897	86,295	86,503	87,243	-	-	-	-	-
-	PRIVATE SECTOR	67,363	68,171	70,795	70,791	71,456	54,984	55,716	57,746	57,720	58,331
-	MINING	668	686	892	894	901	481	499	674	675	677
10	METAL MINING	95.0	96.5	97.1	97.8	-	72.8	74.8	75.2	74.9	-
101	Iron ores	22.5	23.7	24.8	24.6	-	18.0	19.4	20.1	19.8	-
102	Copper ores	36.6	36.4	35.0	35.5	-	28.0	27.7	26.9	27.3	-
11, 12	COAL MINING	70.3	76.5	245.9	244.2	-	49.9	56.3	205.9	203.8	-
12	BITUMINOUS COAL AND LIGNITE MINING	67.0	73.3	242.8	241.1	-	47.0	53.5	203.2	201.1	-
13	OIL AND GAS EXTRACTION	394.8	401.5	434.6	436.4	-	274.6	280.1	302.7	305.4	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	172.2	173.0	182.8	183.1	-	86.4	86.9	89.8	91.0	-
138	Oil and gas field services	222.6	228.5	251.8	253.3	-	188.2	193.2	212.9	214.4	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	108.2	111.6	114.6	115.7	-	83.9	87.4	90.0	90.9	-
142	Crushed and broken stone	35.5	37.2	38.7	39.4	-	28.9	30.5	31.8	32.6	-
144	Sand and gravel	30.6	32.0	32.6	33.1	-	-	-	-	-	-
147	Chemical and fertilizer minerals	23.7	23.5	23.5	23.7	-	-	-	-	-	-
-	CONSTRUCTION	3,464	3,675	3,934	3,892	4,093	2,621	2,822	3,052	3,008	3,196
15	GENERAL BUILDING CONTRACTORS	1,006.2	1,052.9	1,124.9	1,097.9	-	747.3	790.9	849.3	823.0	-
152	Residential building construction	530.1	549.0	603.6	584.1	-	383.9	401.0	448.3	427.3	-
153	Operative builders	72.7	76.4	76.0	75.3	-	46.9	49.6	49.0	48.5	-
154	Nonresidential building construction	403.4	427.5	445.3	438.5	-	316.5	340.3	352.0	347.2	-
16	HEAVY CONSTRUCTION CONTRACTORS	664.4	716.0	730.7	740.0	-	497.4	547.1	573.6	582.5	-
161	Highway and street construction	164.3	187.0	191.6	200.7	-	128.7	150.8	150.6	159.4	-
162	Heavy construction, except highway	500.1	529.0	539.1	539.3	-	368.7	396.3	423.0	423.1	-
17	SPECIAL TRADE CONTRACTORS	1,793.7	1,905.8	2,078.0	2,054.3	-	1,376.3	1,484.3	1,628.9	1,602.3	-
171	Plumbing, heating, air conditioning	472.9	484.3	514.9	504.9	-	351.7	363.0	390.4	380.8	-
172	Painting, paper hanging, decorating	109.7	116.9	127.8	124.5	-	88.1	95.1	104.3	101.3	-
173	Electrical work	331.8	335.9	379.3	372.5	-	253.3	256.7	296.0	289.4	-
174	Masonry, stonework, and plastering	280.3	313.2	336.8	336.4	-	234.7	267.4	286.3	284.8	-
175	Carpentering and flooring	104.9	113.7	129.8	129.1	-	78.2	86.7	100.6	99.6	-
178	Roofing and sheet metal work	118.4	134.2	139.0	135.8	-	92.0	107.2	108.9	104.7	-
-	MANUFACTURING	19,864	19,995	20,602	20,622	20,731	14,250	14,355	14,793	14,805	14,911
24, 25, 32-39	DURABLE GOODS	11,827	11,913	12,465	12,491	12,578	8,476	8,544	8,949	8,964	9,042
20-23, 26-31	NONDURABLE GOODS	8,037	8,082	8,137	8,131	8,153	5,774	5,811	5,844	5,841	5,869
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	720.1	727.5	736.5	735.5	742.9	616.9	623.2	627.3	626.2	633.3
241	Logging camps and logging contractors	81.8	82.0	86.9	88.0	-	65.8	65.9	70.6	71.9	-
242	Sawmills and planing mills	229.6	232.9	233.7	232.5	-	204.8	208.4	208.2	207.2	-
2421	Sawmills and planing mills, general	188.9	193.0	193.4	192.1	-	168.8	173.1	172.9	171.8	-
2426	Hardwood dimension and flooring	33.9	33.3	33.8	33.9	-	30.0	29.5	29.6	29.7	-
243	Millwork, plywood, and structural members	207.3	209.2	212.7	211.6	-	176.2	177.2	179.1	177.9	-
2431	Millwork	75.0	76.3	76.9	75.9	-	61.9	62.9	63.5	62.3	-
2434	Wood kitchen cabinets	46.5	46.3	47.5	47.3	-	39.3	38.8	39.5	39.6	-
2435	Hardwood veneer and plywood	26.1	26.2	26.1	26.3	-	23.4	23.4	23.5	23.6	-
2436	Softwood veneer and plywood	46.8	47.0	47.3	47.4	-	41.4	41.6	40.9	41.0	-
244	Wooden containers	41.5	41.9	42.4	43.5	-	36.5	36.9	37.3	38.4	-
245	Wood buildings and mobile homes	78.3	78.9	74.4	72.8	-	65.3	65.6	59.1	57.2	-
2451	Mobile homes	55.4	55.1	51.6	51.1	-	48.6	48.0	43.0	42.0	-
249	Miscellaneous wood products	81.6	82.6	86.4	87.1	-	68.3	69.2	73.0	73.6	-
25	FURNITURE AND FIXTURES	484.5	486.9	492.0	491.2	487.0	399.0	401.4	404.2	402.6	398.2
251	Household furniture	330.9	332.3	331.1	330.0	-	282.1	283.5	281.7	280.5	-
2511	Wood household furniture	148.0	148.2	147.0	146.2	-	131.0	131.1	130.3	129.4	-
2512	Upholstered household furniture	102.5	102.6	104.6	103.9	-	85.5	85.7	86.6	85.8	-
2514	Metal household furniture	32.2	33.0	31.5	32.4	-	26.1	26.9	25.5	26.5	-
2515	Mattresses and bedsprings	32.0	32.2	32.1	32.3	-	25.0	25.2	24.9	25.0	-
252	Office furniture	43.6	43.8	46.1	45.5	-	35.3	35.5	37.3	36.6	-
253	Public building and related furniture	23.2	23.8	25.0	25.0	-	17.4	18.0	18.9	18.8	-
254	Partitions and fixtures	60.4	60.6	63.3	64.1	-	46.0	46.0	47.9	48.3	-
259	Miscellaneous furniture and fixtures	26.4	26.4	26.5	26.6	-	18.2	18.4	18.4	18.4	-

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 ¹				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
32	STONE, CLAY, AND GLASS PRODUCTS	659.5	671.5	678.2	676.3	691.9	521.9	532.5	534.0	532.1	547.7
321	Flat glass	21.4	21.5	18.3	18.3	-	17.1	17.2	14.2	14.3	-
322	Glass and glassware, pressed or blown	136.7	137.0	136.6	134.4	-	117.8	118.1	117.0	114.8	-
3221	Glass containers	77.6	77.7	75.6	75.1	-	68.9	69.0	66.2	65.8	-
3229	Pressed and blown glass, nec	59.1	59.3	61.0	59.3	-	48.9	49.1	50.8	49.0	-
323	Products of purchased glass	44.9	44.8	47.6	48.1	-	33.2	32.9	35.0	35.7	-
324	Cement, hydraulic	30.6	30.6	32.0	32.0	-	24.1	24.1	25.8	25.7	-
325	Structural clay products	50.6	50.5	51.3	50.7	-	40.0	39.7	40.4	39.6	-
326	Pottery and related products	47.2	47.6	46.5	46.7	-	39.7	40.1	39.2	39.4	-
327	Concrete, gypsum, and plaster products	180.9	189.6	190.1	190.3	-	137.6	145.9	145.1	145.0	-
3271	Concrete block and brick	20.5	21.8	22.4	22.2	-	13.8	14.9	15.5	15.4	-
3272	Concrete products, nec	65.4	67.4	66.9	67.0	-	50.6	52.6	50.9	50.8	-
3273	Ready-mixed concrete	74.6	79.7	80.0	80.3	-	56.8	61.7	61.7	61.8	-
329	Misc. nonmetallic mineral products	135.9	138.3	144.1	144.0	-	103.5	105.2	107.9	108.0	-
3291	Abrasive products	27.6	27.8	29.6	29.6	-	19.3	19.4	20.2	20.2	-
3292	Asbestos products	21.3	21.5	23.1	22.9	-	16.5	16.5	18.0	17.9	-
3296	Mineral wool	30.8	31.0	30.7	30.3	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,179.6	1,179.6	1,236.4	1,236.7	1,247.1	924.5	924.1	976.8	977.4	985.0
331	Blast furnace and basic steel products	542.8	537.2	560.1	558.6	-	424.9	420.5	444.1	443.3	-
3312	Blast furnaces and steel mills	461.0	454.7	474.3	472.9	-	362.8	357.6	377.4	376.5	-
3317	Steel pipe and tubes	29.2	29.1	30.8	31.0	-	22.5	22.4	24.3	24.6	-
332	Iron and steel foundries	236.5	238.1	247.9	247.4	-	194.4	195.6	203.3	202.7	-
3321	Gray iron foundries	150.3	150.4	155.1	154.0	-	125.6	125.4	129.6	128.4	-
3322	Malleable iron foundries	21.8	22.4	23.5	23.6	-	17.6	18.2	19.0	19.1	-
3325	Steel foundries, nec	54.1	54.7	57.5	57.7	-	43.4	44.0	46.1	46.3	-
333	Primary nonferrous metals	66.6	67.1	67.8	68.4	-	52.1	52.4	52.8	53.0	-
3334	Primary aluminum	32.6	33.0	34.3	34.4	-	26.6	26.9	27.8	27.9	-
335	Nonferrous rolling and drawing	196.0	197.9	212.4	213.2	-	141.9	143.1	156.8	157.5	-
3351	Copper rolling and drawing	28.7	29.1	33.1	33.6	-	22.0	22.2	26.4	26.9	-
3353	Aluminum sheet, plate, and foil	33.9	34.2	37.9	38.0	-	25.0	25.0	28.9	28.8	-
3357	Nonferrous wire drawing and insulating	80.5	80.8	85.4	85.5	-	59.2	59.4	63.7	63.7	-
336	Nonferrous foundries	93.8	94.0	100.3	100.7	-	78.1	78.0	83.3	83.7	-
3361	Aluminum foundries	52.4	52.5	55.7	55.9	-	44.3	44.3	47.1	47.2	-
34	FABRICATED METAL PRODUCTS	1,616.8	1,624.3	1,692.8	1,692.4	1,697.1	1,226.8	1,232.1	1,284.4	1,285.5	1,288.6
341	Metal cans and shipping containers	76.2	77.9	76.6	76.5	-	64.0	65.6	64.1	65.1	-
3411	Metal cans	63.1	64.5	62.6	62.6	-	63.6	54.8	52.6	53.6	-
342	Cutlery, hand tools, and hardware	185.5	186.9	190.5	191.0	-	145.2	146.0	148.7	149.3	-
3423.5	Hand and edge tools, and hand saws and blades	62.4	63.6	65.3	65.2	-	49.1	50.0	51.7	51.8	-
3429	Hardware, nec	107.2	107.4	109.0	109.5	-	84.2	84.1	85.1	85.6	-
343	Plumbing and heating, except electric	72.0	71.4	71.4	70.2	-	53.7	53.2	52.8	51.6	-
3432	Plumbing fittings and brass goods	26.6	26.3	26.3	25.8	-	21.8	21.6	21.4	20.7	-
3433	Heating equipment, except electric	34.3	33.9	33.7	33.0	-	24.3	23.9	23.1	22.6	-
344	Fabricated structural metal products	482.9	484.8	509.0	507.0	-	341.3	342.2	360.2	359.8	-
3441	Fabricated structural metal	98.3	98.6	104.6	104.6	-	70.2	70.5	75.9	76.3	-
3442	Metal doors, sash, and trim	81.2	80.0	82.8	81.2	-	61.7	60.6	61.9	60.1	-
3443	Fabricated plate work (boiler shops)	144.2	144.8	149.9	149.8	-	94.7	95.0	98.0	98.4	-
3444	Sheet metal work	96.1	97.6	103.1	103.3	-	70.8	71.9	76.3	76.2	-
3446	Architectural metal work	31.8	32.0	33.5	34.0	-	22.7	22.8	24.2	24.7	-
345	Screw machine products, bolts, etc.	104.8	105.4	114.0	116.1	-	82.4	83.2	89.9	91.7	-
3451	Screw machine products	50.4	50.7	54.8	56.2	-	41.7	42.2	45.6	46.8	-
3452	Bolts, nuts, rivets, and washers	54.4	54.7	59.2	59.9	-	40.7	41.0	44.3	44.9	-
346	Metal forgings and stampings	292.9	293.8	306.0	303.4	-	237.0	237.4	247.5	245.2	-
3462	Iron and steel forgings	51.1	50.9	56.5	56.5	-	41.0	40.8	45.1	45.2	-
3465	Automotive stampings	111.2	111.6	116.1	114.2	-	93.6	93.7	97.6	96.6	-
3469	Metal stampings, nec	119.8	120.4	121.8	121.1	-	94.1	94.5	95.8	94.3	-
347	Metal services, nec	94.8	95.7	98.7	98.9	-	78.1	79.0	81.2	81.2	-
3471	Plating and polishing	67.7	68.2	70.5	70.5	-	56.5	57.0	58.6	58.4	-
3479	Metal coating and allied services	27.1	27.5	28.2	28.4	-	21.6	22.0	22.6	22.8	-
348	Ordnance and accessories, nec	57.8	57.9	59.6	59.7	-	40.3	40.4	41.5	41.6	-
3483	Ammunition, exc. for small arms, nec	24.6	24.5	24.7	24.6	-	17.5	17.4	17.3	17.3	-
349	Misc. fabricated metal products	249.9	250.5	267.0	269.6	-	184.8	185.1	198.5	201.1	-
3494	Valves and pipe fittings	98.7	98.9	103.9	104.3	-	67.2	67.5	71.5	72.1	-
3496	Misc. fabricated wire products	49.9	49.7	54.1	55.0	-	38.5	38.2	42.0	42.7	-
35	MACHINERY, EXCEPT ELECTRICAL	2,277.7	2,294.0	2,454.1	2,471.8	2,481.7	1,500.9	1,512.9	1,625.1	1,637.8	1,647.8
351	Engines and turbines	130.6	130.3	137.2	137.2	-	84.1	83.9	89.1	89.4	-
3511	Turbines and turbine generator sets	44.2	44.1	44.4	43.9	-	23.2	23.3	23.1	22.9	-
3519	Internal combustion engines, nec	86.4	86.2	92.8	93.3	-	60.9	60.6	66.0	66.5	-
352	Farm and garden machinery	166.6	166.0	172.7	174.5	-	114.9	115.3	124.0	124.9	-
3523	Farm machinery and equipment	148.8	147.7	154.6	156.2	-	102.3	102.3	110.9	111.5	-
353	Construction and related machinery	369.0	371.5	408.7	411.8	-	247.0	248.2	274.6	276.5	-
3531	Construction machinery	165.9	166.6	180.1	181.7	-	114.6	114.6	124.0	125.1	-

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 ¹					
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery.....	31.6	31.9	36.6	37.1	—	19.7	19.9	23.4	23.7	—	—
3533	Oil field machinery.....	71.1	72.4	81.0	81.6	—	48.7	49.9	56.9	57.3	—	—
3535	Conveyers and conveying equipment.....	30.6	30.5	34.5	34.8	—	18.3	18.0	20.4	20.6	—	—
3537	Industrial trucks and tractors.....	37.3	37.4	41.0	41.4	—	26.1	26.1	28.4	28.5	—	—
354	Metalworking machinery.....	337.8	341.3	356.7	359.5	—	247.6	250.1	260.8	263.3	—	—
3541	Machine tools, metal cutting types.....	67.8	68.2	73.2	74.4	—	44.9	44.5	47.5	48.6	—	—
3542	Machine tools, metal forming types.....	23.5	23.7	25.0	25.2	—	15.5	15.7	16.5	16.6	—	—
3544	Special dies, tools, jigs, and fixtures.....	129.3	129.5	133.1	133.9	—	104.0	104.0	106.9	107.6	—	—
3545	Machine tool accessories.....	61.9	62.5	66.8	67.2	—	44.2	44.5	47.4	47.8	—	—
3546	Power driven hand tools.....	33.9	34.1	33.9	33.9	—	25.3	25.5	25.6	25.6	—	—
355	Special industry machinery.....	195.9	196.8	205.8	207.2	—	123.8	123.8	130.5	131.6	—	—
3551	Food products machinery.....	45.0	45.2	47.0	47.4	—	28.1	28.3	29.5	29.8	—	—
3552	Textile machinery.....	30.8	31.0	31.0	31.0	—	21.8	21.9	21.9	21.9	—	—
3555	Printing trades machinery.....	34.2	34.5	38.5	39.1	—	20.1	20.2	23.2	23.7	—	—
356	General industrial machinery.....	303.6	306.9	323.8	324.6	—	204.5	206.5	217.2	217.4	—	—
3561	Pumps and pumping equipment.....	61.1	61.7	62.4	62.9	—	38.4	38.6	38.5	38.8	—	—
3562	Ball and roller bearings.....	57.9	58.1	61.5	61.5	—	44.7	44.9	47.9	48.0	—	—
3563	Air and gas compressors.....	28.3	28.8	30.4	30.1	—	17.1	17.1	18.0	17.7	—	—
3564	Blowers and fans.....	36.5	36.6	39.1	39.5	—	23.4	23.4	24.7	24.8	—	—
3566	Speed changers, drives, and gears.....	25.2	25.3	26.8	27.1	—	17.4	17.5	18.5	18.7	—	—
3568	Power transmission equipment, nec.....	22.3	22.3	23.1	23.1	—	16.2	16.2	17.0	17.0	—	—
357	Office and computing machines.....	337.3	339.4	373.0	376.7	—	154.4	155.8	172.6	174.0	—	—
3573	Electronic computing equipment.....	262.7	264.5	293.1	297.2	—	108.8	110.3	125.1	127.1	—	—
358	Refrigeration and service machinery.....	180.8	183.5	194.1	194.7	—	127.7	129.7	137.9	138.7	—	—
3585	Refrigeration and heating equipment.....	128.7	129.6	135.9	136.8	—	91.8	92.5	97.4	98.5	—	—
359	Misc. machinery, except electrical.....	256.1	258.3	282.1	285.6	—	196.9	199.6	218.4	222.0	—	—
3592	Carburetors, pistons, rings, valves.....	37.9	37.9	42.3	42.7	—	30.0	30.1	33.6	34.0	—	—
3599	Machinery, except electrical, nec.....	218.2	220.4	239.8	242.9	—	166.9	169.5	184.8	188.0	—	—
36	ELECTRIC AND ELECTRONIC EQUIPMENT.....	1,925.1	1,931.7	2,023.1	2,031.9	2,043.6	1,266.6	1,270.3	1,330.3	1,337.2	1,347.5	—
361	Electric distributing equipment.....	122.5	122.7	122.0	121.8	—	88.1	88.3	88.2	88.1	—	—
3612	Transformers.....	56.7	56.8	57.5	57.6	—	40.3	40.3	41.2	41.4	—	—
3613	Switchgear and switchboard apparatus.....	65.8	65.9	64.5	64.2	—	47.8	48.0	47.0	46.7	—	—
362	Electrical industrial apparatus.....	239.1	237.6	248.7	250.6	—	172.0	171.2	179.3	181.4	—	—
3621	Motors and generators.....	131.5	129.2	132.4	133.2	—	99.4	97.6	100.3	101.7	—	—
3622	Industrial controls.....	63.9	64.5	69.8	70.3	—	41.5	42.1	45.5	45.6	—	—
363	Household appliances.....	181.5	184.2	172.9	176.1	—	142.1	144.8	134.7	138.0	—	—
3632	Household refrigerators and freezers.....	47.5	48.7	40.5	43.7	—	37.6	38.7	31.7	34.8	—	—
3633	Household laundry equipment.....	22.5	22.7	21.0	22.0	—	17.5	17.7	16.2	17.2	—	—
3634	Electric housewares and fans.....	48.4	49.2	48.3	48.1	—	37.7	38.8	37.8	37.6	—	—
364	Electric lighting and wiring equipment.....	211.2	213.4	223.6	222.8	—	160.4	162.1	171.2	169.8	—	—
3641	Electric lamps.....	38.3	38.1	40.2	38.7	—	33.5	33.3	35.9	34.4	—	—
3643	Current-carrying wiring devices.....	85.0	86.7	93.7	93.8	—	59.5	61.3	66.8	66.4	—	—
3644	Noncurrent-carrying wiring devices.....	24.7	24.9	23.8	23.9	—	18.4	18.6	17.4	17.6	—	—
3645	Residential lighting fixtures.....	24.2	24.8	25.2	26.0	—	19.0	19.2	19.5	20.2	—	—
365	Radio and TV receiving equipment.....	123.7	122.8	117.8	117.4	—	91.7	91.0	86.6	86.3	—	—
3651	Radio and TV receiving sets.....	96.8	95.5	96.6	95.1	—	70.3	69.1	70.5	68.9	—	—
366	Communication equipment.....	479.8	480.2	511.4	512.6	—	234.2	233.6	253.2	254.9	—	—
3661	Telephone and telegraph apparatus.....	152.4	152.3	153.0	153.2	—	104.6	104.4	106.1	106.3	—	—
3662	Radio and TV communication equipment.....	327.4	327.9	358.4	359.4	—	129.6	129.2	147.1	148.6	—	—
367	Electronic components and accessories.....	412.5	416.2	464.7	469.6	—	259.3	261.0	294.3	297.0	—	—
3671-3	Electronic tubes.....	41.6	41.7	43.9	43.9	—	27.2	27.4	28.8	28.6	—	—
3674	Semiconductors and related devices.....	149.6	151.2	177.8	179.5	—	69.7	70.3	85.5	86.2	—	—
3679	Electronic components, nec.....	162.2	164.0	179.7	182.0	—	114.8	115.5	128.6	130.3	—	—
369	Misc. electrical equipment and supplies.....	154.8	154.6	162.0	161.0	—	118.8	118.3	122.8	121.7	—	—
3691	Storage batteries.....	28.1	27.8	30.0	29.8	—	22.7	22.3	23.9	23.7	—	—
3694	Engine electrical equipment.....	76.9	76.7	81.2	79.9	—	61.3	60.9	64.3	63.0	—	—
37	TRANSPORTATION EQUIPMENT.....	1,893.5	1,916.3	2,030.6	2,028.3	2,051.9	1,301.3	1,320.8	1,413.6	1,406.5	1,427.0	—
371	Motor vehicles and equipment.....	956.0	968.5	1,003.1	985.2	—	742.7	754.1	788.3	769.2	—	—
3711	Motor vehicles and car bodies.....	442.3	456.3	454.2	441.3	—	328.2	341.2	341.3	327.3	—	—
3713	Truck and bus bodies.....	49.7	49.4	54.3	55.0	—	39.5	39.4	44.0	44.5	—	—
3714	Motor vehicle parts and accessories.....	435.2	433.8	462.0	456.1	—	352.4	350.7	377.1	371.5	—	—
3715	Truck trailers.....	28.8	29.0	32.6	32.8	—	22.6	22.8	25.9	25.9	—	—
372	Aircraft and parts.....	495.8	501.3	578.2	286.9	—	249.9	253.9	311.4	317.0	—	—
3721	Aircraft.....	279.6	283.8	335.0	341.5	—	122.2	124.9	165.2	169.0	—	—
3724	Aircraft engines and engine parts.....	126.2	126.8	140.6	141.6	—	71.3	71.9	79.9	81.0	—	—
3728	Aircraft equipment, nec.....	90.0	90.7	102.6	103.8	—	56.4	57.1	66.3	67.0	—	—
373	Ship and boat building and repairing.....	222.2	222.2	211.6	(*)	—	177.8	177.9	169.5	(*)	—	—
3731	Ship building and repairing.....	175.2	174.0	163.1	(*)	—	139.3	138.2	129.6	(*)	—	—
3732	Boat building and repairing.....	47.0	48.2	48.5	50.0	—	38.5	39.7	39.9	41.3	—	—
374	Railroad equipment.....	50.4	50.9	62.3	61.9	—	36.7	36.9	48.1	47.7	—	—
376	Guided missiles, space vehicles, parts.....	82.2	82.3	84.5	86.0	—	26.7	26.8	26.7	28.1	—	—
3761	Guided missiles and space vehicles.....	63.0	63.0	64.0	65.3	—	18.2	18.3	18.1	19.4	—	—

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 ¹					
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	69.2	72.8	74.5	74.1	—	53.0	56.4	56.8	56.5	—	—
3792	Travel trailers and campers	46.2	48.6	49.5	49.7	—	36.9	39.1	39.4	39.6	—	—
38	INSTRUMENTS AND RELATED PRODUCTS	632.7	636.1	680.0	683.8	686.7	385.8	388.3	419.3	422.3	425.9	—
381	Engineering and scientific instruments	66.8	67.1	71.4	72.5	—	32.4	32.6	36.2	37.0	—	—
382	Measuring and controlling devices	209.2	210.2	225.2	226.5	—	132.5	133.4	144.8	146.2	—	—
3822	Environmental controls	50.3	50.6	49.1	49.4	—	35.2	35.5	34.1	34.6	—	—
3823	Process control instruments	47.1	46.5	50.2	50.5	—	24.6	24.2	27.3	27.6	—	—
3825	Instruments to measure electricity	76.7	77.9	87.7	88.2	—	48.0	49.1	56.5	57.0	—	—
383	Optical instruments and lenses	26.8	26.9	29.6	29.7	—	15.3	15.3	16.6	16.5	—	—
384	Medical instruments and supplies	134.0	135.4	149.1	150.8	—	89.7	90.8	100.9	101.8	—	—
3841	Surgical and medical instruments	53.2	53.8	61.9	62.1	—	35.5	35.9	41.8	42.1	—	—
3842	Surgical appliances and supplies	63.4	64.0	68.8	69.9	—	42.5	43.1	46.6	47.0	—	—
385	Ophthalmic goods	40.7	40.4	41.4	41.2	—	30.0	29.7	30.3	30.4	—	—
386	Photographic equipment and supplies	126.9	127.6	134.6	134.0	—	64.2	64.5	68.6	68.6	—	—
387	Watches, clocks, and watchcases	28.3	28.5	28.7	29.1	—	21.7	22.0	21.9	22.4	—	—
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	437.9	444.9	440.9	443.5	448.0	332.0	338.8	333.5	336.6	340.5	—
391	Jewelry, silverware, and plated ware	60.1	61.5	60.2	59.0	—	43.8	45.4	44.3	43.3	—	—
3911	Jewelry, precious metal	38.2	39.5	37.8	36.9	—	27.1	28.5	27.2	26.4	—	—
393	Musical instruments	24.2	24.5	25.9	25.0	—	19.9	20.1	21.3	20.6	—	—
394	Toys and sporting goods	110.2	112.8	102.2	106.0	—	83.1	85.8	76.4	80.3	—	—
3942, 4	Dolls, games, toys, and children's vehicles	47.2	49.4	45.1	47.9	—	33.5	35.6	31.6	34.4	—	—
3949	Sporting and athletic goods, nec	63.0	63.4	57.1	58.1	—	49.6	50.2	44.8	45.9	—	—
395	Pens, pencils, office and art supplies	34.5	34.4	35.6	35.7	—	24.5	24.6	25.7	25.7	—	—
396	Costume jewelry and notions	65.9	67.2	69.0	68.8	—	53.1	54.0	55.4	55.4	—	—
3961	Costume jewelry	36.2	37.1	38.3	38.1	—	29.5	30.1	31.1	30.9	—	—
399	Miscellaneous manufactures	143.0	144.5	148.0	149.0	—	107.6	108.9	110.4	111.3	—	—
3993	Signs and advertising displays	51.0	51.1	53.7	54.4	—	36.5	36.7	38.6	39.2	—	—
	NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,631.9	1,644.0	1,654.2	1,634.8	1,641.5	1,091.6	1,100.4	1,116.0	1,098.6	1,106.4	—
201	Meat products	349.7	350.4	360.0	356.4	—	288.0	288.2	297.8	294.0	—	—
2011	Meat packing plants	170.1	170.3	171.7	170.2	—	136.9	136.9	139.4	137.1	—	—
2013	Sausages and other prepared meats	68.3	68.1	67.6	67.1	—	50.1	49.7	49.6	49.0	—	—
2016	Poultry dressing plants	97.1	97.7	105.4	104.1	—	88.3	88.8	95.5	94.8	—	—
202	Dairy products	186.3	188.7	187.4	186.4	—	97.3	98.7	97.8	97.9	—	—
2022	Cheese, natural and processed	30.8	31.3	30.9	30.8	—	24.0	24.2	24.1	24.2	—	—
2026	Fluid milk	121.1	122.1	121.2	120.5	—	52.5	53.0	52.0	51.8	—	—
203	Preserved fruits and vegetables	193.6	200.0	188.5	188.4	—	150.9	157.1	148.8	148.6	—	—
2032	Canned specialties	28.5	28.8	28.4	27.0	—	19.5	19.7	19.6	18.6	—	—
2033	Canned fruits and vegetables	62.4	65.4	58.9	60.4	—	47.4	50.1	45.9	47.0	—	—
2037	Frozen fruits and vegetables	37.0	40.1	34.6	35.0	—	31.5	34.7	29.4	29.8	—	—
204	Grain mill products	143.6	143.8	145.3	144.8	—	97.1	97.3	99.4	99.0	—	—
2041	Flour and other grain mill products	24.7	24.7	24.9	24.9	—	15.8	15.8	15.8	15.6	—	—
2048	Prepared feeds, nec	61.3	61.2	62.4	62.4	—	38.3	38.2	40.2	40.3	—	—
205	Bakery products	225.8	226.7	227.1	225.6	—	131.2	132.0	132.4	131.2	—	—
2051	Bread, cake, and related products	186.5	187.0	186.6	185.9	—	99.9	100.3	100.4	99.9	—	—
2052	Cookies and crackers	39.3	39.7	40.5	39.7	—	31.3	31.7	32.0	31.3	—	—
206	Sugar and confectionery products	106.8	103.0	111.7	105.5	—	81.5	77.7	86.2	79.9	—	—
2061-3	Cane and beet sugar	31.4	29.6	35.3	31.4	—	23.0	21.3	26.3	22.3	—	—
2065	Confectionery products	56.5	54.9	56.7	55.1	—	45.2	43.4	45.8	44.2	—	—
207	Fats and oils	42.1	41.9	40.3	40.0	—	30.3	30.2	29.4	29.1	—	—
208	Beverages	224.3	227.3	224.0	223.0	—	103.1	105.0	103.5	102.3	—	—
2082	Malt beverages	48.2	49.0	47.9	47.6	—	31.9	32.8	32.1	31.8	—	—
2086	Bottled and canned soft drinks	132.6	135.4	136.0	136.1	—	46.6	47.9	47.4	47.5	—	—
209	Misc. foods and kindred products	159.7	162.2	169.9	164.7	—	112.2	114.2	120.7	116.6	—	—
21	TOBACCO MANUFACTURES	72.8	70.6	73.1	69.9	68.3	57.9	55.8	58.6	55.4	54.3	—
211	Cigarettes	49.1	48.8	49.8	49.3	—	38.2	37.9	39.0	38.4	—	—
22	TEXTILE MILL PRODUCTS	912.8	912.2	906.9	906.8	904.4	794.3	794.7	789.9	788.8	786.8	—
221	Weaving mills, cotton	158.1	157.6	154.9	154.5	—	142.4	141.9	139.6	139.3	—	—
222	Weaving mills, synthetics	123.8	122.6	122.0	121.6	—	110.5	109.5	109.3	108.6	—	—
223	Weaving and finishing mills, wool	20.5	20.9	21.2	21.2	—	17.1	17.4	17.8	17.8	—	—
224	Narrow fabric mills	26.4	26.4	26.2	26.1	—	23.2	23.2	23.0	22.9	—	—
225	Knitting mills	235.3	237.3	233.6	233.8	—	203.5	205.4	201.2	200.9	—	—
2251	Women's hosiery, except socks	28.6	28.6	31.3	31.4	—	25.5	25.5	27.9	28.0	—	—
2252	Hosiery, nec	35.3	35.3	34.9	35.1	—	32.0	32.1	31.8	31.9	—	—
2253	Knit outerwear mills	72.2	74.1	69.1	68.8	—	61.2	62.9	58.6	58.1	—	—
2254	Knit underwear mills	37.0	37.2	37.7	37.8	—	32.3	32.5	32.5	32.6	—	—

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 ¹					
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	36.4	36.4	35.3	35.3	-	30.6	30.7	29.1	29.2	-	
226	Textile finishing, except wool	80.7	80.4	79.9	79.7	-	68.3	68.4	67.6	67.1	-	
2261	Finishing plants, cotton	33.8	33.7	33.6	33.5	-	28.2	28.3	28.1	28.0	-	
2262	Finishing plants, synthetics	29.9	30.3	29.8	29.9	-	25.6	26.1	25.7	25.4	-	
227	Floor covering mills	60.6	60.6	63.4	64.0	-	48.6	48.5	51.6	52.3	-	
228	Yarn and thread mills	135.9	135.1	134.3	134.9	-	123.7	123.1	122.3	122.6	-	
2281	Yarn mills, except wool	89.3	89.2	89.9	90.4	-	82.8	82.7	83.0	83.7	-	
2282	Throwing and winding mills	22.4	22.4	21.6	21.6	-	19.7	19.9	19.3	19.3	-	
229	Miscellaneous textile goods	71.5	71.3	71.4	71.0	-	57.0	57.3	57.5	57.3	-	
	APPAREL AND OTHER TEXTILE PRODUCTS	1,309.5	1,323.0	1,291.9	1,297.9	1,303.9	1,124.2	1,136.3	1,106.2	1,112.5	1,118.4	
231	Men's and boys' suits and coats	89.4	87.8	85.8	86.1	-	78.5	77.2	74.9	75.4	-	
232	Men's and boys' furnishings	373.5	371.8	359.6	366.3	-	323.5	321.6	309.2	315.9	-	
2321	Men's and boys' shirts and nightwear	101.8	102.1	102.7	103.6	-	88.3	88.8	89.2	90.1	-	
2327	Men's and boys' separate trousers	88.0	87.2	82.3	84.3	-	77.4	75.9	71.5	73.5	-	
2328	Men's and boys' work clothing	98.5	96.6	93.3	96.6	-	84.1	82.3	78.7	82.3	-	
233	Women's and misses' outerwear	418.4	429.0	422.8	423.2	-	360.4	370.3	363.8	363.9	-	
2331	Women's and misses' blouses and waists	57.1	57.6	59.8	60.0	-	50.1	50.5	52.5	52.8	-	
2335	Women's and misses' dresses	155.1	162.8	157.2	156.1	-	136.6	143.8	137.6	136.6	-	
2337	Women's and misses' suits and coats	62.2	63.7	61.5	62.9	-	52.9	54.3	52.6	53.9	-	
2339	Women's and misses' outerwear, nec	144.0	144.9	144.3	144.2	-	120.8	121.7	121.1	120.6	-	
234	Women's and children's undergarments	95.0	96.1	90.2	90.8	-	81.4	82.2	76.7	77.1	-	
2341	Women's and children's underwear	75.1	75.5	71.5	72.3	-	65.5	65.7	61.8	62.4	-	
2342	Brassieres and allied garments	19.9	20.6	18.7	18.5	-	15.9	16.5	14.9	14.7	-	
236	Children's outerwear	68.5	68.5	65.9	66.1	-	58.6	58.2	56.5	57.1	-	
2361	Children's dresses and blouses	26.1	36.0	24.7	24.0	-	23.7	23.5	22.0	21.5	-	
238	Misc. apparel and accessories	60.9	62.1	56.7	58.2	-	52.3	53.6	48.6	50.1	-	
239	Misc. fabricated textile products	184.3	187.8	191.2	187.4	-	152.6	155.9	159.5	155.9	-	
2391	Curtains and draperies	30.4	30.2	29.7	29.0	-	26.6	26.4	25.9	25.4	-	
2392	House furnishings, nec	51.2	51.9	51.0	49.4	-	42.3	43.1	42.7	40.9	-	
2396	Automotive and apparel trimmings	33.1	35.0	37.4	36.5	-	27.4	29.2	31.3	30.3	-	
	PAPER AND ALLIED PRODUCTS	691.8	695.9	701.2	706.9	711.1	518.2	520.5	528.2	533.5	537.9	
261, 26	Paper and pulp mills	203.9	204.6	199.3	204.0	-	155.3	155.5	147.6	142.6	-	
262	Paper mills, except building paper	176.2	176.5	173.2	178.3	-	133.3	133.3	127.2	132.5	-	
263	Paperboard mills	66.5	66.7	67.1	67.7	-	52.1	52.2	53.2	53.2	-	
264	Misc. converted paper products	209.7	212.0	215.7	216.7	-	147.4	149.1	157.3	158.3	-	
2641	Paper coating and glazing	55.2	55.4	57.6	58.1	-	26.6	26.8	35.3	35.9	-	
2642	Envelopes	24.2	24.4	24.6	24.6	-	19.2	19.3	19.2	19.3	-	
2643	Bags, except textile bags	48.3	48.6	51.0	51.0	-	38.3	38.6	39.9	39.8	-	
265	Paperboard containers and boxes	211.7	312.6	219.1	218.5	-	163.4	163.7	170.1	169.4	-	
2651	Folding paperboard boxes	41.2	41.3	43.3	42.8	-	32.6	32.6	34.5	34.1	-	
2653	Corrugated and solid fiber boxes	106.1	106.8	110.0	109.5	-	78.2	78.8	82.1	81.3	-	
2654	Sanitary food containers	32.7	33.1	33.3	33.3	-	27.3	27.4	27.6	27.7	-	
	PRINTING AND PUBLISHING	1,160.8	1,167.3	1,207.0	1,210.7	1,215.4	656.1	660.8	678.2	682.6	689.1	
271	Newspapers	402.1	402.7	412.1	414.1	-	166.7	166.3	165.1	166.2	-	
272	Periodicals	77.2	77.1	81.6	80.5	-	15.3	16.1	14.1	13.9	-	
273	Books	102.3	104.2	104.3	105.1	-	52.5	54.1	53.7	55.2	-	
2731	Book publishing	71.3	72.5	73.1	73.8	-	26.1	27.1	27.2	28.6	-	
2732	Book printing	31.0	31.7	31.2	31.3	-	26.4	27.0	26.5	26.6	-	
274	Miscellaneous publishing	44.8	45.4	48.2	48.7	-	27.0	27.7	30.0	30.3	-	
275	Commercial printing	370.2	372.1	389.9	391.2	-	273.7	274.3	288.2	289.6	-	
2751	Commercial printing, letterpress	160.7	161.4	168.7	168.2	-	119.5	119.4	124.2	124.4	-	
2752	Commercial printing, lithography	186.6	188.2	199.7	201.4	-	135.3	136.3	146.1	147.2	-	
276	Manifold business forms	43.5	43.7	46.8	46.9	-	31.1	31.3	33.7	33.8	-	
278	Blankbooks and bookbinding	59.2	59.9	62.2	62.2	-	48.5	49.3	51.2	51.3	-	
279	Printing trade services	39.3	39.6	39.7	39.8	-	29.0	29.2	28.9	29.0	-	
	CHEMICALS AND ALLIED PRODUCTS	1,073.6	1,077.1	1,090.3	1,091.2	1,095.2	615.0	618.3	636.0	628.0	632.6	
281	Industrial inorganic chemicals	162.8	162.3	167.0	167.3	-	93.5	93.0	92.9	93.0	-	
2819	Industrial inorganic chemicals, nec	107.5	107.4	110.2	110.3	-	59.1	59.1	61.0	61.2	-	
282	Plastics materials and synthetics	213.3	212.8	214.5	214.8	-	144.0	143.4	146.7	146.5	-	
2821	Plastics materials and resins	83.1	83.3	84.3	84.4	-	51.5	51.5	52.1	52.3	-	
2824	Organic fibers, noncellulosic	95.6	95.1	95.2	95.1	-	68.1	67.4	68.5	68.6	-	
283	Drugs	180.8	181.1	185.1	184.4	-	87.9	87.6	90.5	91.4	-	
2834	Pharmaceutical preparations	144.2	144.5	147.8	147.1	-	67.5	67.2	69.6	70.1	-	
284	Soap, cleaners, and toilet goods	130.3	132.0	134.2	133.8	-	78.3	80.5	81.3	80.9	-	
2841	Soap and other detergents	39.8	40.5	41.3	40.7	-	25.4	26.2	26.7	26.3	-	
2842, 3	Polishing, sanitation, and finishing preparations	36.8	36.9	38.2	38.4	-	20.1	20.5	21.3	21.4	-	
2844	Toilet preparations	53.7	54.6	54.7	54.7	-	32.8	33.8	33.3	33.2	-	
286	Paints and allied products	66.7	67.3	68.8	68.8	-	34.8	35.2	35.5	35.6	-	
286	Industrial organic chemicals	164.0	163.8	163.0	162.8	-	84.4	84.4	84.5	84.9	-	

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 ¹					
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. P 1979	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. P 1979 ^P	Mar. 1979 ^P	
	CHEMICALS AND ALLIED PRODUCTS—Cont'd											
2865	Cyclic crudes and intermediates.....	35.4	35.3	35.7	35.9	-	21.7	21.6	22.5	23.0	-	-
2861,9	Gum, wood, and industrial organic chemicals, nec.....	128.6	128.5	127.3	126.9	-	62.7	62.8	62.0	61.9	-	-
287	Agricultural chemicals.....	69.4	71.3	69.4	70.8	-	43.1	45.0	44.6	45.7	-	-
289	Miscellaneous chemical products.....	86.3	86.5	88.3	88.5	-	49.0	49.2	50.0	50.0	-	-
29	PETROLEUM AND COAL PRODUCTS.....	201.9	203.5	205.7	206.2	208.1	131.0	132.3	133.7	134.5	137.8	-
291	Petroleum refining.....	161.4	161.7	161.9	161.7	-	101.7	101.8	102.1	102.7	-	-
295	Paving and roofing materials.....	29.1	30.4	32.1	32.6	-	21.8	23.0	24.5	24.7	-	-
30	RUBBER AND MISC. PLASTICS PRODUCTS.....	731.6	736.7	766.8	768.5	767.1	571.5	576.2	602.7	604.4	603.7	-
301	Tires and inner tubes.....	126.9	125.7	126.5	127.0	-	91.9	90.9	91.9	92.3	-	-
302	Rubber and plastics footwear.....	22.8	23.0	23.9	23.5	-	19.9	20.0	21.0	20.7	-	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting.....	23.9	23.4	22.3	22.5	-	18.2	17.6	16.8	17.0	-	-
306	Fabricated rubber products, nec.....	112.3	112.6	115.3	116.2	-	87.5	88.0	71.2	91.7	-	-
307	Miscellaneous plastics products.....	445.7	452.0	478.8	479.3	-	354.0	359.7	381.8	382.7	-	-
31	LEATHER AND LEATHER PRODUCTS.....	250.7	251.6	240.2	238.2	237.6	214.1	215.9	204.5	203.1	202.4	-
311	Leather tanning and finishing.....	22.4	22.4	20.8	20.5	-	19.1	19.1	17.4	17.2	-	-
314	Footwear, except rubber.....	156.0	155.9	149.3	147.6	-	135.8	135.9	129.2	127.7	-	-
3143	Men's footwear, except athletic.....	64.3	65.0	59.9	58.7	-	57.0	57.6	52.5	51.6	-	-
3144	Women's footwear, except athletic.....	60.9	59.8	61.3	60.2	-	52.0	51.2	52.9	51.6	-	-
316	Luggage.....	16.6	16.9	16.6	17.1	-	12.6	13.0	12.8	13.4	-	-
317	Handbags and personal leather goods.....	30.7	31.5	29.3	29.1	-	25.2	26.5	24.4	24.4	-	-
-	TRANSPORTATION AND PUBLIC UTILITIES.....	4,720	4,759	4,919	4,939	4,971	3,983	4,014	4,114	4,130	4,159	-
40	RAILROAD TRANSPORTATION.....	515.3	517.7	529.1	526.7	-	-	-	-	-	-	-
4011	Class I railroads.....	467.9	469.7	488.0	485.7	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT.....	265.9	267.7	268.8	270.3	-	245.1	247.0	247.4	249.2	-	-
411	Local and suburban transportation.....	73.3	73.6	73.4	73.9	-	67.5	67.7	67.8	68.5	-	-
412	Taxicabs.....	69.6	69.2	69.0	70.1	-	-	-	-	-	-	-
413	Intercity highway transportation.....	35.0	35.2	36.8	35.5	-	31.9	32.2	33.8	32.5	-	-
415	School buses.....	75.6	76.1	76.1	76.9	-	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING.....	1,207.0	1,234.6	1,254.8	1,272.4	-	1,066.3	1,092.5	1,107.9	1,126.0	-	-
421,3	Trucking and trucking terminals.....	1,122.8	1,149.7	1,169.7	1,189.0	-	993.9	1,019.6	1,034.7	1,054.5	-	-
422	Public warehousing.....	84.2	84.9	85.1	83.4	-	72.4	72.9	73.2	71.5	-	-
44	WATER TRANSPORTATION.....	197.8	195.7	217.9	210.2	-	-	-	-	-	-	-
45	TRANSPORTATION BY AIR.....	390.9	392.2	405.5	407.7	-	-	-	-	-	-	-
451,2	Air transportation.....	348.1	349.0	359.8	360.8	-	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS.....	18.5	18.4	18.8	18.7	-	13.4	13.3	13.5	13.5	-	-
47	TRANSPORTATION SERVICES.....	163.2	164.5	174.2	176.7	-	-	-	-	-	-	-
48	COMMUNICATION.....	1,202.1	1,205.7	1,264.6	1,268.5	-	911.3	915.0	954.5	958.2	-	-
481	Telephone communication.....	969.9	971.9	1,017.0	1,019.9	-	724.4	726.1	751.7	754.3	-	-
483	Radio and television broadcasting.....	172.7	173.7	181.2	182.1	-	135.4	136.2	144.3	145.0	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES.....	758.9	762.7	784.9	787.9	-	623.2	626.1	640.8	642.2	-	-
491	Electric services.....	347.1	349.3	364.3	365.9	-	281.5	283.1	294.1	295.1	-	-
492	Gas production and distribution.....	157.8	157.9	160.7	161.0	-	129.4	129.5	131.1	131.3	-	-
493	Combination utility services.....	188.9	189.3	190.1	190.3	-	155.8	156.2	155.3	154.9	-	-
495	Sanitary services.....	42.1	42.5	45.0	45.8	-	37.5	37.7	39.9	40.4	-	-
-	WHOLESALE AND RETAIL TRADE.....	18,615	18,801	19,619	19,429	19,600	16,379	16,551	17,264	17,073	17,222	-
50,51	WHOLESALE TRADE.....	4,780	4,815	4,985	4,983	5,016	3,934	3,967	4,094	4,093	4,122	-
50	WHOLESALE TRADE - DURABLE GOODS.....	2,769	2,792	2,930	2,932	-	2,276	2,297	2,398	2,401	-	-
501	Motor vehicles and automotive equipment.....	405.0	408.3	429.1	428.6	-	332.2	335.5	350.4	349.9	-	-
502	Furniture and home furnishing.....	97.4	98.3	100.5	101.1	-	79.2	80.0	81.6	82.2	-	-
503	Lumber and construction materials.....	165.9	167.8	175.6	174.0	-	137.4	139.3	145.4	144.0	-	-
504	Sporting goods, toys, and hobby goods.....	62.4	63.3	62.6	62.8	-	51.9	52.9	51.5	51.9	-	-
505	Metals and minerals, except petroleum.....	133.8	134.9	142.5	143.2	-	108.3	109.4	115.6	116.2	-	-
506	Electrical goods.....	383.6	385.2	407.9	409.7	-	315.6	317.3	335.7	336.8	-	-
507	Hardware, plumbing, and heating equipment.....	225.5	227.6	238.9	236.2	-	187.0	188.6	197.8	195.2	-	-

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 ¹				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^b	Mar. 1979 ^b	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^b	Mar. 1979 ^b
WHOLESALE TRADE-DURABLE GOODS—											
Continued											
508	Machinery, equipment, and supplies	1, 108. 9	1, 117. 1	1, 175. 0	1, 180. 0	-	907. 7	915. 2	954. 1	959. 4	-
509	Miscellaneous durable goods	186. 9	189. 5	197. 6	196. 6	-	156. 9	158. 9	166. 3	165. 7	-
51	WHOLESALE TRADE-NONDURABLE GOODS	2, 011	2, 023	2, 055	2, 051	-	1, 658	1, 670	1, 696	1, 692	-
511	Paper and paper products	129. 9	131. 0	134. 9	135. 4	-	106. 5	107. 1	109. 2	109. 3	-
512	Drugs, proprietaries, and sundries	132. 0	133. 3	138. 8	138. 3	-	113. 0	114. 3	119. 3	118. 8	-
513	Apparel, piece goods, and notions	154. 4	155. 9	159. 2	160. 6	-	121. 9	123. 8	125. 8	127. 3	-
514	Groceries and related products	616. 6	621. 1	618. 7	613. 2	-	532. 6	536. 9	536. 8	531. 7	-
516	Chemical and allied products	115. 5	115. 4	117. 1	117. 6	-	81. 3	81. 4	84. 0	84. 5	-
517	Petroleum and petroleum products	226. 2	225. 8	226. 5	224. 5	-	176. 5	175. 6	170. 2	168. 7	-
518	Beer, wine, and distilled beverages	126. 6	128. 0	134. 3	135. 1	-	107. 0	108. 1	113. 9	114. 0	-
519	Miscellaneous nondurable goods	351. 8	356. 0	361. 5	364. 5	-	289. 7	293. 5	299. 1	302. 3	-
52-59	RETAIL TRADE	13, 835	13, 986	14, 634	14, 446	14, 584	12, 445	12, 584	13, 170	12, 980	13, 100
52	BUILDING MATERIALS AND GARDEN SUPPLIES	555. 9	563. 3	577. 5	577. 9	-	470. 5	478. 7	492. 1	491. 4	-
521	Lumber and other building materials	297. 3	299. 5	310. 6	308. 2	-	253. 5	256. 4	266. 1	263. 1	-
525	Hardware stores	137. 9	138. 4	143. 0	142. 8	-	118. 0	118. 3	123. 4	123. 0	-
53	GENERAL MERCHANDISE STORES	2, 208. 7	2, 216. 3	2, 403. 4	2, 264. 6	-	2, 047. 5	2, 053. 8	2, 247. 3	2, 105. 8	-
531	Department stores	1, 803. 9	1, 801. 2	1, 951. 7	1, 832. 4	-	1, 682. 9	1, 679. 1	1, 837. 0	1, 716. 2	-
533	Variety stores	277. 1	278. 1	295. 3	281. 7	-	256. 8	258. 7	275. 2	260. 3	-
539	Misc. general merchandise stores	127. 7	137. 0	156. 4	150. 5	-	107. 8	116. 0	135. 1	129. 3	-
54	FOOD STORES	2, 516. 8	2, 170. 0	2, 261. 7	2, 249. 3	-	1, 989. 4	2, 001. 4	2, 085. 8	2, 074. 1	-
541	Grocery stores	1, 897. 0	1, 905. 0	1, 997. 1	1, 987. 0	-	1, 753. 1	1, 760. 6	1, 844. 6	1, 834. 3	-
542	Meat markets and freezer provisioners	48. 1	47. 9	48. 4	49. 1	-	-	-	-	-	-
546	Retail bakeries	114. 7	115. 9	117. 2	114. 4	-	105. 3	106. 4	108. 1	105. 6	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	1, 806. 9	1, 818. 7	1, 871. 8	1, 865. 1	-	1, 553. 1	1, 562. 5	1, 604. 4	1, 597. 9	-
551.2	New and used car dealers	863. 2	868. 7	898. 1	898. 7	-	719. 6	724. 4	747. 8	748. 4	-
553	Auto and home supply stores	237. 9	237. 4	250. 8	246. 1	-	206. 7	205. 4	219. 4	214. 1	-
554	Gasoline service stations	631. 2	636. 4	648. 0	644. 0	-	564. 5	568. 6	573. 6	570. 7	-
56	APPAREL AND ACCESSORY STORES	848. 3	858. 4	907. 3	874. 5	-	731. 7	741. 3	785. 7	753. 0	-
561	Men's and boys' clothing and furnishings	137. 1	136. 7	147. 4	140. 6	-	116. 6	116. 1	126. 1	119. 2	-
562	Women's ready-to-wear stores	312. 2	318. 5	331. 2	322. 0	-	271. 8	277. 1	289. 0	280. 8	-
565	Family clothing stores	149. 0	150. 7	165. 1	155. 1	-	130. 5	133. 0	146. 0	135. 6	-
566	Shoe stores	165. 5	167. 9	174. 7	172. 4	-	138. 7	140. 7	146. 3	143. 8	-
57	FURNITURE AND HOME FURNISHINGS STORES	580. 1	580. 6	607. 6	601. 8	-	482. 3	482. 3	504. 0	498. 0	-
571	Furniture and home furnishings	351. 0	351. 5	359. 0	356. 0	-	295. 7	296. 6	300. 7	298. 6	-
572	Household appliance stores	85. 6	85. 4	91. 6	90. 8	-	73. 3	72. 8	78. 3	77. 4	-
573	Radio, television, and music stores	143. 5	143. 7	157. 0	155. 0	-	113. 3	112. 9	125. 0	122. 0	-
58	EATING AND DRINKING PLACES	3, 929. 1	4, 022. 3	4, 173. 3	4, 201. 0	-	3, 632. 3	3, 719. 2	3, 833. 1	3, 857. 0	-
59	MISCELLANEOUS RETAIL	1, 749. 1	1, 756. 0	1, 831. 8	1, 811. 9	-	1, 538. 0	1, 545. 2	1, 618. 0	1, 603. 0	-
591	Drug stores and proprietary stores	488. 6	491. 8	521. 6	509. 7	-	443. 8	447. 5	476. 0	464. 7	-
592	Liquor stores	113. 6	113. 5	124. 5	125. 0	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	486. 6	486. 3	507. 8	499. 4	-	417. 4	416. 6	433. 6	429. 2	-
596	Nonstore retailers	261. 9	271. 0	278. 6	266. 5	-	242. 8	251. 7	263. 0	250. 8	-
598	Fuel and ice dealers	111. 1	108. 7	109. 9	110. 2	-	95. 2	92. 8	94. 5	94. 7	-
599	Retail stores, nec.	237. 0	233. 5	235. 6	247. 7	-	202. 6	198. 8	198. 9	211. 6	-
-	FINANCE, INSURANCE, AND REAL ESTATE	4, 550	4, 577	4, 771	4, 785	4, 815	3, 456	3, 475	3, 623	3, 631	3, 660
60	BANKING	1, 385. 4	1, 391. 2	1, 454. 7	1, 458. 1	-	1, 085. 0	1, 088. 9	1, 129. 7	1, 131. 7	-
602	Commercial and stock savings banks	1, 263. 7	1, 268. 9	1, 327. 0	1, 329. 7	-	986. 6	990. 0	1, 026. 1	1, 027. 5	-
61	CREDIT AGENCIES OTHER THAN BANKS	485. 0	488. 3	512. 9	515. 7	-	371. 1	373. 5	394. 1	396. 1	-
612	Savings and loan associations	206. 7	208. 5	223. 6	224. 4	-	161. 1	162. 6	173. 9	173. 9	-
614	Personal credit institutions	192. 4	193. 8	200. 1	201. 7	-	145. 1	145. 9	152. 4	154. 0	-
62	SECURITY, COMMODITY BROKERS, AND SERVICES	183. 3	182. 9	196. 6	198. 1	-	-	-	-	-	-
621	Security brokers and dealers	150. 7	150. 2	161. 1	162. 5	-	-	-	-	-	-
63	INSURANCE CARRIERS	1, 173. 8	1, 179. 3	1, 212. 6	1, 219. 4	-	817. 7	821. 7	847. 0	851. 8	-
631	Life insurance	521. 5	522. 4	520. 9	525. 0	-	311. 7	312. 1	311. 2	314. 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 ¹				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	136.7	137.3	141.4	142.0		111.3	111.8	113.8	114.3	
633	Fire, marine, and casualty insurance	446.4	449.5	477.4	479.3		338.0	340.3	362.1	363.2	
64	INSURANCE AGENTS, BROKERS, AND SERVICE	381.8	385.1	408.2	409.1						
65	REAL ESTATE	815.0	822.9	854.7	851.7						
651	Real estate operators and lessors	418.7	421.6	429.9	425.0						
653	Real estate agents and managers	276.6	279.3	293.8	296.0						
655	Subdividers and developers	96.3	98.4	106.1	105.8						
66	COMBINED REAL ESTATE, INSURANCE, ETC.	29.2	29.4	29.9	30.4						
67	HOLDING AND OTHER INVESTMENT OFFICES.	96.6	97.6	101.6	102.5						
	SERVICES	15,482	15,678	16,058	16,230	16,345	13,814	14,000	14,226	14,398	14,506
70	HOTELS AND OTHER LODGING PLACES	889.4	907.8	891.5	900.2	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	856.5	875.0	859.7	868.0		786.8	804.1	791.2	799.3	
72	PERSONAL SERVICES	892.8	900.6	895.9	891.7						
721	Laundry, cleaning, and garment services	349.8	351.6	351.7	348.9		311.6	313.2	312.4	310.0	
723	Beauty shops	280.0	281.9	281.2	278.9		258.6	259.5	259.0	257.4	
726	Funeral service and crematories	69.6	69.4	72.2	71.4		-	-	-	-	
73	BUSINESS SERVICES	2,420.5	2,453.8	2,630.3	2,638.4		2,092.9	2,126.4	2,277.6	2,285.3	
731	Advertising	135.4	136.7	138.5	147.2		100.2	101.5	101.7	108.5	
732	Credit reporting and collection	84.7	85.9	86.0	86.3		-	-	-	-	
733	Mailing, reproduction, stenographic	98.9	99.8	101.9	100.8		-	-	-	-	
734	Services to buildings	432.3	438.2	461.0	457.4		386.9	391.6	412.4	411.1	
736	Personnel supply services	364.2	382.2	412.0	412.6		-	-	-	-	
737	Computer and data processing services	201.4	202.4	227.6	231.3		165.9	167.0	187.8	190.5	
75	AUTO REPAIR, SERVICES, AND GARAGES	505.6	514.7	522.2	529.1		435.7	443.2	448.4	453.9	
753	Automotive repair shops	307.5	310.8	319.7	320.1		262.3	265.2	273.3	273.1	
76	MISCELLANEOUS REPAIR SERVICES	239.7	241.8	249.0	251.2		205.6	207.9	213.1	215.0	
78	MOTION PICTURES	206.9	213.7	213.7	209.7		181.3	187.8	189.2	186.2	
781	Motion picture production and services	81.0	83.0	85.7	85.9		70.2	72.6	74.4	75.0	
783	Motion picture theaters	115.5	120.5	117.6	113.4		-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	598.0	629.3	595.1	617.1		538.1	567.1	531.2	552.4	
80	HEALTH SERVICES	4,673.6	4,694.5	4,866.3	4,883.6		4,176.1	4,193.9	4,334.3	4,348.8	
801	Offices of physicians	667.2	669.9	694.3	697.7		553.0	555.3	570.4	572.7	
802	Offices of dentists	283.1	286.1	293.2	293.7		249.8	253.0	256.0	256.4	
805	Nursing and personal care facilities	875.5	878.8	929.7	931.4		792.0	793.2	837.7	839.2	
806	Hospitals	2,508.6	2,518.0	2,587.7	2,598.5		2,286.9	2,295.8	2,363.0	2,372.8	
81	LEGAL SERVICES	405.2	408.0	436.9	440.4		353.1	355.8	376.0	378.8	
82	EDUCATIONAL SERVICES	1,103.5	1,112.5	1,025.7	1,095.8		-	-	-	-	
821	Elementary and secondary schools	242.1	245.3	235.0	239.3		-	-	-	-	
822	Colleges and universities	759.8	765.0	685.0	750.0		-	-	-	-	
83	SOCIAL SERVICES	894.6	915.4	965.8	975.9						
86	MEMBERSHIP ORGANIZATIONS	1,505.3	1,514.7	1,542.2	1,565.6						
89	MISCELLANEOUS SERVICES	826.6	837.7	891.9	898.9		688.8	698.2	736.6	747.4	
891	Engineering and architectural services	438.5	444.7	473.3	472.0		370.0	375.3	398.4	397.6	
893	Accounting, auditing, and bookkeeping	274.0	277.0	289.8	296.5		222.9	225.1	232.8	241.1	
	GOVERNMENT	15,599	15,726	15,500	15,712	15,787					
	FEDERAL GOVERNMENT	2,720	2,725	2,730	2,738	2,741					
	Executive	2,668.2	2,672.9	2,677.5	2,686.3	-	-	-	-	-	-
	Department of Defense	906.0	905.6	896.0	895.0	-	-	-	-	-	-
	Postal Service	646.9	647.6	653.0	655.2	-	-	-	-	-	-
	Other executive agencies	1,115.3	1,119.7	1,128.5	1,136.1	-	-	-	-	-	-
	Manufacturing activities	140.3	140.9	140.7	140.4	-	-	-	-	-	-
	Shipbuilding	71.6	72.0	72.2	72.0	-	-	-	-	-	-

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 worker ¹					
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	Executive—Continued											
	Transportation and public utilities, except Postal Service	37.1	37.2	37.4	37.6	—	—	—	—	—	—	—
	Services	374.6	375.7	373.2	371.3	—	—	—	—	—	—	—
	Hospitals	232.5	233.1	229.7	227.8	—	—	—	—	—	—	—
	Legislative	38.8	39.5	39.0	38.5	—	—	—	—	—	—	—
	Judicial	12.7	12.7	13.0	13.0	—	—	—	—	—	—	—
	STATE AND LOCAL GOVERNMENT	12,879	13,001	12,770	12,974	13,046						
	State government	3,474.0	3,501.8	3,388.4	3,491.1	—	—	—	—	—	—	—
	Hospitals	550.7	351.1	562.2	561.9	—	—	—	—	—	—	—
	State education	1,459.6	1,467.3	1,351.5	1,456.5	—	—	—	—	—	—	—
	General administration including executive, legislative, and judicial functions	897.7	914.7	896.6	897.6	—	—	—	—	—	—	—
	Local government	9,405.1	9,499.2	9,381.3	9,482.5	—	—	—	—	—	—	—
	Transportation and public utilities	556.3	558.0	576.2	576.8	—	—	—	—	—	—	—
	Hospitals	500.0	502.7	519.9	521.0	—	—	—	—	—	—	—
	Local education	5,328.4	5,386.1	5,254.2	5,343.3	—	—	—	—	—	—	—
	General administration including executive, legislative, and judicial functions	2,692.0	2,714.8	2,694.1	2,701.8	—	—	—	—	—	—	—

¹ 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.

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

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

⁴ Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central intelligence and National Security Agencies.

* Not available.

p=preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978	Jan. 1979
-	TOTAL	34,665	33,952	36,138	36,439	35,723
-	PRIVATE SECTOR	27,448	26,791	28,764	29,060	28,425
-	MINING	65	67	80	80	81
10	METAL MINING	6.0	6.3	7.5	7.5	7.6
11, 12	COAL MINING	4.3	4.9	8.4	8.3	8.5
13	OIL AND GAS EXTRACTION	47.5	48.5	55.6	56.1	56.3
131, 2	Crude petroleum, natural gas, and natural gas liquids	31.1	31.5	35.6	35.8	36.0
138	Oil and gas field services	16.4	17.0	20.0	20.3	20.3
14	NONMETALLIC MINERALS, EXCEPT FUELS	7.5	7.4	8.4	8.4	8.2
142	Crushed and broken stone	2.4	2.3	2.7	2.7	2.6
144	Sand and gravel	2.2	2.2	2.6	2.6	2.5
-	CONSTRUCTION	316	315	341	340	339
15	GENERAL BUILDING CONTRACTORS	114.7	115.4	121.0	121.1	122.5
152	Residential building construction	68.2	69.6	71.6	72.1	73.1
153	Operative builders	16.0	15.8	16.8	16.6	16.5
154	Nonresidential building construction	30.5	30.0	32.6	32.4	32.9
16	HEAVY CONSTRUCTION CONTRACTORS	49.3	48.8	53.8	51.4	48.9
161	Highway and street construction	11.5	10.7	15.2	14.0	13.0
162	Heavy construction, except highway	37.8	38.1	38.6	37.4	35.9
17	SPECIAL TRADE CONTRACTORS	151.7	150.7	165.7	167.2	167.8
171	Plumbing, heating, air conditioning	43.2	43.4	46.3	46.1	46.2
172	Painting, paper hanging, decorating	9.7	9.5	10.9	11.4	11.3
173	Electrical work	27.6	27.8	29.0	29.2	29.2
174	Masonry, stonework, and plastering	17.6	17.5	19.3	19.3	19.9
175	Carpentering and flooring	11.6	11.4	13.2	14.1	13.4
176	Roofing and sheet metal work	10.1	9.8	11.4	11.5	11.6
-	MANUFACTURING	6,000	5,942	6,366	6,328	6,271
24, 25, 32-39	DURABLE GOODS	2,754	2,744	2,995	2,991	2,976
20-23, 26-31	NONDURABLE GOODS	3,246	3,198	3,371	3,337	3,295
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	102.4	101.1	110.1	109.7	108.1
241	Logging camps and logging contractors	4.1	4.2	4.9	4.9	4.8
242	Sawmills and planing mills	20.7	20.6	22.2	22.4	22.4
2421	Sawmills and planing mills, general	14.5	14.3	15.4	15.5	15.3
243	Millwork, plywood, and structural members	40.6	40.1	43.9	43.8	42.8
244	Wooden containers	7.3	7.1	7.0	6.9	7.0
245	Wood buildings and mobile homes	10.0	9.6	10.4	10.2	9.8
249	Miscellaneous wood products	19.7	19.5	21.7	21.5	21.3
25	FURNITURE AND FIXTURES	138.9	138.7	146.9	146.4	145.9
251	Household furniture	105.7	105.6	111.0	110.2	109.8
2511	Wood household furniture	44.3	44.2	45.4	45.5	45.4
2512	Upholstered household furniture	36.5	36.2	38.5	38.0	37.8
2515	Mattresses and bedsprings	8.4	8.4	8.6	8.5	8.5
252	Office furniture	9.4	9.3	10.6	10.6	10.7
253	Public building and related furniture	4.8	4.8	4.9	5.0	5.0
254	Partitions and fixtures	8.9	9.0	10.4	10.4	10.2
259	Miscellaneous furniture and fixtures	10.1	10.0	10.0	10.2	10.2
32	STONE, CLAY, AND GLASS PRODUCTS	125.6	126.1	132.7	131.9	129.7
322	Glass and glassware, pressed or blown	45.8	47.0	46.5	46.0	45.0
3221	Glass containers	27.4	28.2	26.5	26.0	25.1
3229	Pressed and blown glass, nec	18.4	18.8	20.0	20.0	19.9
323	Products of purchased glass	10.7	10.6	12.4	12.3	12.4
324	Cement, hydraulic	1.5	1.5	1.6	1.6	1.6
325	Structural clay products	6.5	6.5	6.5	6.6	6.6
326	Pottery and related products	16.7	16.5	18.0	17.4	16.8
327	Concrete, gypsum, and plaster products	13.3	13.1	14.4	14.3	14.0
329	Misc. nonmetallic mineral products	28.3	28.3	30.5	31.0	30.7
33	PRIMARY METAL INDUSTRIES	112.9	113.7	125.8	128.2	128.8
331	Blast furnace and basic steel products	33.8	34.5	39.5	40.0	40.2
3312	Blast furnaces and steel mills	25.9	26.5	30.9	31.1	31.5
332	Iron and steel foundries	17.0	17.2	20.4	20.7	20.9

ESTABLISHMENT DATA
WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978	Jan. 1979
PRIMARY METAL INDUSTRIES —Continued						
3321	Gray iron foundries	8.9	8.9	10.4	10.5	10.6
3322	Malleable iron foundries	1.4	1.5	1.7	1.7	1.7
3325	Steel foundries, nec	3.9	3.9	4.7	4.7	4.8
333	Primary nonferrous metals	4.2	4.1	4.4	4.5	4.5
3334	Primary aluminum	1.4	1.3	1.6	1.7	1.7
335	Nonferrous rolling and drawing	38.0	38.0	40.2	41.3	41.3
3351	Copper rolling and drawing	3.0	3.1	3.6	3.7	3.7
3353	Aluminum sheet, plate, and foil	4.2	4.1	4.6	4.6	4.6
3357	Nonferrous wire drawing and insulating	23.4	23.3	23.8	24.4	24.5
336	Nonferrous foundries	15.1	15.1	16.5	16.8	16.9
3361	Aluminum foundries	7.0	7.0	7.6	7.8	7.8
34	FABRICATED METAL PRODUCTS	327.4	325.2	350.6	350.9	348.8
341	Metal cans and shipping containers	11.4	11.9	12.9	12.6	12.9
3411	Metal cans	9.9	10.4	11.2	10.9	11.2
342	Cutlery, hand tools, and hardware	61.6	61.1	64.8	65.0	64.1
3423, 5	Hand and edge tools, and hand saws and blades	16.2	16.4	17.4	17.5	17.2
3429	Hardware, nec	38.3	37.8	40.1	40.1	39.6
343	Plumbing and heating, except electric	16.3	16.3	17.8	17.9	18.1
344	Fabricated structural metal products	66.5	65.7	71.0	70.6	69.4
3441	Fabricated structural metal	6.9	6.8	7.4	7.4	7.4
3442	Metal doors, sash, and trim	23.7	22.9	23.7	23.1	22.0
3443	Fabricated plate work (boiler shops)	14.4	14.6	15.6	15.9	15.9
3444	Sheet metal work	12.9	12.9	14.3	14.3	14.2
345	Screw machine products, bolts, etc.	21.8	21.6	24.0	24.3	24.4
3451	Screw machine products	11.2	11.2	12.4	12.6	12.7
3452	Bolts, nuts, rivets, and washers	10.6	10.4	11.6	11.7	11.7
346	Metal forgings and stampings	56.1	55.2	58.8	58.5	58.4
3462	Iron and steel forgings	3.8	3.8	4.4	4.4	4.5
3465	Automotive stampings	15.5	14.9	16.2	16.2	15.6
3469	Metal stampings, nec	34.8	34.5	36.0	35.7	36.1
347	Metal services, nec	23.5	23.5	24.8	24.6	24.4
3471	Plating and polishing	17.5	17.5	18.1	17.9	17.5
3479	Metal coating and allied services	6.0	6.0	6.7	6.7	6.9
348	Ordnance and accessories, nec	15.7	15.6	16.2	16.4	16.4
349	Misc. fabricated metal products	54.5	54.3	60.3	61.0	60.7
3494	Valves and pipe fittings	19.7	19.8	21.5	21.8	22.2
3496	Misc. fabricated wire products	11.8	11.7	13.5	13.6	13.5
35	MACHINERY, EXCEPT ELECTRICAL	409.4	412.9	453.1	459.8	462.8
351	Engines and turbines	21.2	21.8	24.3	24.7	24.7
3511	Turbines and turbine generator sets	5.7	5.8	6.1	6.1	6.1
3519	Internal combustion engines, nec	15.5	16.0	18.2	18.6	18.6
352	Farm and garden machinery	22.9	22.5	24.0	24.9	25.0
3523	Farm machinery and equipment	18.3	17.7	18.9	19.5	19.7
353	Construction and related machinery	37.7	38.5	43.0	43.2	44.0
3531	Construction machinery	13.5	14.0	14.5	14.4	14.5
3533	Oil field machinery	8.0	8.1	9.6	9.7	10.1
354	Metalworking machinery	49.3	49.8	53.6	54.1	55.0
3541	Machine tools, metal cutting types	7.6	7.7	8.7	8.8	9.0
3544	Special dies, tools, jigs, and fixtures	13.2	13.5	15.0	15.0	15.5
3545	Machine tool accessories	12.3	12.2	13.6	13.7	13.8
355	Special industry machinery	27.7	27.8	30.7	30.8	30.4
3551	Food products machinery	5.8	5.9	6.2	6.3	6.3
3552	Textile machinery	5.9	5.8	5.9	6.0	5.9
3555	Printing trades machinery	5.6	5.6	7.3	7.2	7.0
356	General industrial machinery	54.1	54.3	59.2	60.4	60.8
3561	Pumps and pumping equipment	10.3	10.3	11.1	11.3	11.2
3562	Ball and roller bearings	13.2	13.3	14.1	14.4	14.6
357	Office and computing machines	112.8	114.6	131.5	133.2	133.6
3573	Electronic computing equipment	86.1	87.7	101.3	103.0	103.9
358	Refrigeration and service machinery	35.3	36.1	37.5	38.9	39.4
3585	Refrigeration and heating equipment	23.6	24.0	24.3	25.6	26.7
359	Misc. machinery, except electrical	48.4	47.5	49.3	49.6	49.9
3599	Machinery, except electrical, nec	38.4	37.8	38.5	38.3	38.6
36	ELECTRIC AND ELECTRONIC EQUIPMENT	801.8	795.7	851.5	851.5	848.1
361	Electric distributing equipment	43.8	43.4	43.7	43.8	43.8
3612	Transformers	20.1	20.2	20.4	20.5	20.1
3613	Switchgear and switchboard apparatus	23.7	23.2	23.3	23.3	23.7
362	Electrical industrial apparatus	88.6	89.3	95.2	95.4	95.9
3621	Motors and generators	49.1	49.9	52.8	52.5	53.2
3622	Industrial controls	27.9	27.6	29.6	30.1	30.0
363	Household appliances	62.8	60.0	59.9	58.1	56.0
3632	Household refrigerators and freezers	11.6	12.1	9.5	9.2	9.6
3633	Household laundry equipment	4.6	4.7	4.4	4.3	4.0
3634	Electric housewares and fans	28.0	24.9	27.9	26.6	24.6
364	Electric lighting and wiring equipment	95.9	96.0	103.3	103.4	103.6
3641	Electric lamps	24.7	24.5	25.0	25.0	25.7

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978	Jan. 1979
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	41.1	41.3	46.0	46.5	46.4
365	Radio and TV receiving equipment	70.1	67.3	68.5	66.3	62.5
3651	Radio and TV receiving sets	51.8	50.1	51.8	51.0	49.8
366	Communication equipment	172.0	171.2	184.2	186.0	186.1
3661	Telephone and telegraph apparatus	71.7	71.3	73.5	73.9	72.9
3662	Radio and TV communication equipment	100.3	99.9	110.7	112.1	113.2
367	Electronic components and accessories	215.3	215.7	240.1	242.0	243.7
3671-3	Electronic tubes	15.4	15.7	16.8	16.6	16.6
3674	Semiconductors and related devices	72.9	72.6	83.8	84.7	84.8
3679	Electronic components, nec	87.2	87.8	96.5	97.5	98.5
369	Misc. electrical equipment and supplies	53.3	52.8	56.6	56.5	56.5
3694	Engine electrical equipment	26.8	26.7	28.8	28.8	28.7
TRANSPORTATION EQUIPMENT						
37	Motor vehicles and equipment	270.3	271.9	310.4	312.0	311.4
371	Motor vehicles and equipment	129.8	127.5	143.1	144.3	141.6
3711	Motor vehicles and car bodies	51.4	50.8	56.7	56.2	53.9
3713	Truck and bus bodies	5.4	5.4	5.8	5.8	5.9
3714	Motor vehicle parts and accessories	71.2	69.5	78.4	80.1	79.5
372	Aircraft and parts	80.4	83.7	101.8	101.9	104.7
3721	Aircraft	45.8	48.9	61.7	61.2	63.5
3724	Aircraft engines and engine parts	18.6	18.7	21.5	22.0	22.3
3728	Aircraft equipment, nec	16.0	16.1	18.6	18.7	18.9
373	Ship and boat building and repairing	22.4	21.9	22.4	22.7	22.6
3731	Ship building and repairing	15.1	14.8	14.6	14.7	14.4
374	Railroad equipment	4.6	4.6	5.3	5.3	5.0
376	Guided missiles, space vehicles, parts	15.2	15.4	16.8	17.0	17.0
3761	Guided missiles and space vehicles	12.4	12.4	13.4	13.5	13.6
379	Miscellaneous transportation equipment	12.7	13.0	15.4	15.4	14.7
INSTRUMENTS AND RELATED PRODUCTS						
38	Engineering and scientific instruments	262.5	263.1	288.2	288.7	288.9
381	Engineering and scientific instruments	18.8	19.2	21.7	21.8	22.0
382	Measuring and controlling devices	86.7	87.8	94.9	95.4	96.5
3822	Environmental controls	24.8	25.2	24.0	23.8	24.1
3823	Process control instruments	14.9	14.9	16.3	16.5	16.4
3825	Instruments to measure electricity	33.0	33.7	39.5	40.0	40.7
383	Optical instruments and lenses	9.0	9.1	10.4	10.0	9.9
384	Medical instruments and supplies	71.8	71.8	80.2	81.3	81.1
3841	Surgical and medical instruments	30.6	30.7	35.5	35.8	36.1
3842	Surgical appliances and supplies	32.8	32.7	35.8	36.4	36.4
385	Ophthalmic goods	22.9	22.5	23.8	23.8	23.5
386	Photographic equipment and supplies	34.9	34.6	37.9	37.8	37.8
387	Watches, clocks, and watchcases	18.4	18.1	19.3	18.6	18.1
MISCELLANEOUS MANUFACTURING INDUSTRIES						
39	Jewelry, silverware, and plated ware	202.9	195.4	226.0	211.9	203.6
391	Jewelry, silverware, and plated ware	29.1	27.6	31.1	29.5	28.8
393	Musical instruments	11.3	11.1	12.4	12.0	12.1
394	Toys and sporting goods	56.2	54.2	66.4	56.3	52.1
394.2, 4	Dolls, games, toys, and children's vehicles	24.5	23.3	37.1	27.7	24.3
3949	Sporting and athletic goods, nec	31.7	30.9	29.3	28.6	27.8
395	Pens, pencils, office and art supplies	18.4	18.2	19.3	19.3	19.3
396	Costume jewelry and notions	39.1	36.1	44.0	43.0	40.2
399	Miscellaneous manufactures	48.8	48.2	52.8	51.8	51.1
NONDURABLE GOODS						
FOOD AND KINDRED PRODUCTS						
20	Meat products	466.4	448.6	495.8	482.8	466.0
201	Meat products	106.9	104.3	113.9	113.9	111.5
2011	Meat packing plants	26.7	26.3	27.9	27.9	27.8
2013	Sausages and other prepared meats	20.2	19.9	20.9	20.9	20.2
2016	Poultry dressing plants	52.9	50.8	57.5	57.5	55.6
202	Dairy products	36.9	35.8	38.3	38.1	37.2
2026	Fluid milk	19.7	19.3	19.9	19.9	19.7
203	Preserved fruits and vegetables	83.0	75.7	95.2	85.0	76.9
2032	Canned specialties	9.7	9.5	9.6	10.5	10.1
2033	Canned fruits and vegetables	23.1	20.8	30.8	24.1	20.4
2037	Frozen fruits and vegetables	19.5	15.6	21.3	18.9	16.5
204	Grain mill products	28.3	27.7	28.9	28.5	28.3
205	Bakery products	61.5	60.7	61.6	60.8	60.4
2051	Bread, cake, and related products	43.0	42.0	42.4	42.1	41.4
2052	Cookies and crackers	18.5	18.7	19.2	18.7	19.0
206	Sugar and confectionery products	41.2	39.3	44.5	44.6	41.8
207	Fats and oils	5.1	5.1	5.0	5.0	4.9
209	Beverages	35.5	34.8	35.6	35.3	34.7
2082	Malt beverages	5.4	5.3	5.6	5.7	5.8
2086	Bottled and canned soft drinks	15.5	15.4	17.0	17.0	16.8
209	Misc. foods and kindred products	68.0	65.2	72.8	71.6	70.3
TOBACCO MANUFACTURES						
21	Cigarettes	29.7	27.4	29.2	29.1	27.0
211	Cigarettes	15.6	15.5	15.2	15.4	15.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978	Jan. 1979
22	TEXTILE MILL PRODUCTS	428.0	426.0	432.8	430.1	426.5
221	Weaving mills, cotton	68.0	67.4	65.9	66.4	66.6
222	Weaving mills, synthetics	50.4	50.1	49.4	49.4	49.5
223	Weaving and finishing mills, wool	7.9	7.9	8.1	8.2	8.3
224	Narrow fabric mills	15.3	15.3	15.6	15.6	15.5
225	Knitting mills	150.0	149.5	156.4	153.0	150.3
2251	Women's hosiery, except socks	22.3	22.0	24.6	24.6	24.4
2252	Hosiery, nec	25.4	25.0	26.1	25.7	25.6
2253	Knit outerwear mills	51.7	51.0	53.2	50.9	48.6
2254	Knit underwear mills	25.3	26.2	28.4	27.7	28.3
2257	Circular knit fabric mills	15.0	14.8	14.3	14.1	13.6
226	Textile finishing, except wool	24.3	24.3	23.3	23.3	23.2
2261	Finishing plants, cotton	10.2	10.2	10.3	10.2	10.3
2262	Finishing plants, synthetic	6.9	6.8	6.1	6.3	6.3
227	Floor covering mills	24.4	24.5	25.8	25.9	25.7
228	Yarn and thread mills	66.3	65.5	66.8	66.8	66.0
2281	Yarn mills, except wool	40.6	40.4	42.1	42.0	41.7
2282	Throwing and winding mills	12.7	12.4	12.5	12.5	12.3
229	Miscellaneous textile goods	21.4	21.5	21.5	21.5	21.4
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,061.5	1,044.0	1,074.7	1,058.4	1,047.4
231	Men's and boys' suits and coats	70.0	69.3	68.4	68.2	66.6
232	Men's and boys' furnishings	315.1	309.1	311.3	306.6	303.1
2321	Men's and boys' shirts and nightwear	89.9	88.2	91.8	90.8	89.9
2327	Men's and boys' separate trousers	72.3	70.7	69.4	68.7	67.9
2328	Men's and boys' work clothing	84.1	82.8	80.4	79.4	78.3
233	Women's and misses' outerwear	352.8	348.3	366.8	360.0	362.1
2331	Women's and misses' blouses and waists	50.3	50.0	53.0	52.8	52.9
2335	Women's and misses' dresses	132.5	130.8	138.5	134.5	135.8
2337	Women's and misses' suits and coats	49.8	48.7	52.2	50.4	50.7
2339	Women's and misses' outerwear, nec	120.2	118.8	123.1	122.3	122.7
234	Women's and children's undergarments	83.7	81.2	81.3	79.8	78.4
2341	Women's and children's underwear	66.7	64.5	65.4	64.1	63.0
2342	Brassieres and allied garments	17.0	16.7	15.9	15.7	15.4
236	Children's outerwear	58.3	58.4	58.1	57.8	56.0
2361	Children's dresses and blouses	23.8	23.5	22.9	22.6	22.1
238	Misc. apparel and accessories	47.1	46.3	47.9	46.2	44.2
239	Misc. fabricated textile products	121.4	118.5	127.6	126.5	123.7
2391	Curtains and draperies	25.7	24.8	24.5	24.1	23.8
2392	House furnishings, nec	33.6	32.2	32.9	32.4	32.0
2396	Automotive and apparel trimmings	18.3	17.2	20.1	20.2	19.4
26	PAPER AND ALLIED PRODUCTS	154.4	152.4	161.1	160.6	159.2
261, 2,6	Paper and pulp mills	25.3	24.9	25.6	25.8	25.7
262	Paper mills, except building paper	22.7	22.5	23.0	23.2	23.1
263	Paperboard mills	5.3	5.3	5.9	6.0	6.0
264	Misc. converted paper products	72.0	71.5	75.5	74.6	74.5
265	Paperboard containers and boxes	51.8	50.7	54.1	54.2	53.0
27	PRINTING AND PUBLISHING	437.6	435.3	465.6	470.5	469.5
271	Newspapers	137.8	137.2	147.0	147.7	147.6
272	Periodicals	44.2	45.1	49.0	49.2	50.1
273	Books	54.1	54.1	54.2	55.3	55.5
274	Miscellaneous publishing	25.5	25.0	25.6	26.7	26.4
275	Commercial printing	112.2	110.2	121.0	122.7	120.8
2751	Commercial printing, letterpress	52.7	51.1	56.0	56.9	55.3
2752	Commercial printing, lithographic	54.1	53.8	59.9	60.6	60.1
276	Manifold business forms	13.4	13.4	14.4	14.7	14.8
278	Blankbooks and bookbinding	29.8	30.1	32.4	32.4	33.0
279	Printing trade services	7.5	7.6	8.5	8.5	8.5
28	CHEMICALS AND ALLIED PRODUCTS	245.7	244.6	262.1	261.5	260.7
281	Industrial inorganic chemicals	21.1	20.9	22.9	23.2	23.3
2819	Industrial inorganic chemicals, nec	14.4	14.6	15.8	16.0	15.9
282	Plastics materials and synthetics	41.9	42.2	44.7	44.7	45.0
2821	Plastics materials and resins	9.5	9.5	10.5	10.6	10.7
2824	Organic fibers, noncellulosic	24.8	25.0	25.9	25.9	26.0
283	Drugs	71.9	71.2	75.0	75.5	75.7
2834	Pharmaceutical preparations	61.3	60.6	63.7	64.2	64.5
284	Soap, cleaners, and toilet goods	50.4	50.1	55.9	54.2	52.6
2841	Soap and other detergents	8.5	8.6	9.4	9.3	9.2
2844	Toilet preparations	30.6	30.3	33.8	32.4	31.2
285	Paints and allied products	10.8	10.9	12.8	12.7	12.6
286	Industrial organic chemicals	23.5	23.2	23.4	23.5	23.6
2861,9	Gum, wood, and industrial organic chemicals, nec	18.9	18.7	19.1	19.1	19.2
287	Agricultural chemicals	8.8	8.9	9.4	9.4	9.5
289	Miscellaneous chemical products	17.3	17.2	18.0	18.3	18.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978	Jan. 1979
29	PETROLEUM AND COAL PRODUCTS	23.9	23.6	25.0	24.8	24.8
291	Petroleum refining	19.0	19.0	19.8	19.7	19.6
30	RUBBER AND MISC. PLASTICS PRODUCTS	247.7	247.0	272.2	271.1	268.5
301	Tires and inner tubes	12.1	12.0	12.2	12.3	12.2
302	Rubber and plastics footwear	14.5	14.0	13.8	14.2	13.9
303,4	Reclaimed rubber, and rubber and plastics hose and belting	6.2	6.1	5.8	5.8	5.7
306	Fabricated rubber products, nec	38.5	37.9	40.4	40.4	40.5
307	Miscellaneous plastics products	176.4	177.0	200.0	198.4	196.2
31	LEATHER AND LEATHER PRODUCTS	151.5	148.7	152.0	148.5	144.9
311	Leather tanning and finishing	3.1	3.0	3.1	3.1	3.1
314	Footwear, except rubber	103.5	101.9	102.2	100.5	98.4
3143	Men's footwear, except athletic	41.1	40.8	38.9	38.5	37.7
3144	Women's footwear, except athletic	41.6	40.9	42.4	42.4	41.9
316	Luggage	8.9	8.1	9.9	9.2	8.7
317	Handbags and personal leather goods	21.8	21.7	22.2	21.4	21.0
	TRANSPORTATION AND PUBLIC UTILITIES	1,077	1,074	1,156	1,165	1,176
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	52.8	52.6	56.1	57.2	57.0
411	Local and suburban transportation	8.7	8.8	9.8	10.2	10.3
412	Taxicabs	7.0	7.1	7.8	8.0	8.1
413	Intercity highway transportation	4.5	4.8	4.5	4.8	4.7
415	School buses	30.4	29.7	31.5	31.7	31.4
42	TRUCKING AND WAREHOUSING	130.1	128.5	142.6	144.7	140.7
421,3	Trucking and trucking terminals	115.2	114.4	126.8	129.1	125.5
422	Public warehousing	14.9	14.1	15.8	15.6	15.2
44	WATER TRANSPORTATION	16.7	17.1	18.2	18.5	18.7
45	TRANSPORTATION BY AIR	117.9	118.3	123.1	125.2	127.2
451,2	Air transportation	111.5	112.1	116.1	118.0	120.0
46	PIPE LINES, EXCEPT NATURAL GAS	2.1	2.0	2.0	2.0	2.0
47	TRANSPORTATION SERVICES	70.3	70.3	75.9	76.0	76.1
48	COMMUNICATION	541.8	540.2	582.6	585.6	597.4
481	Telephone communication	477.5	476.9	513.2	513.3	526.3
483	Radio and television broadcasting	50.2	49.4	54.1	54.8	55.4
49	ELECTRIC, GAS, AND SANITARY SERVICES	126.5	127.8	133.5	134.8	135.7
491	Electric services	56.6	57.3	60.2	60.9	61.5
492	Gas production and distribution	31.2	31.5	32.8	33.1	33.2
493	Combination utility services	30.2	30.3	31.1	31.3	31.5
495	Sanitary services	4.0	4.2	4.5	4.5	4.5
	WHOLESALE AND RETAIL TRADE	8,445	7,932	8,611	8,895	8,389
50,51	WHOLESALE TRADE	1,180	1,170	1,265	1,271	1,261
50	WHOLESALE TRADE-DURABLE GOODS	635	634	689	694	694
501	Motor vehicles and automotive equipment	83.6	83.5	91.4	91.5	91.9
502	Furniture and home furnishings	33.3	33.6	36.0	36.1	35.8
503	Lumber and construction materials	26.8	26.8	29.3	29.4	29.5
504	Sporting goods, toys, and hobby goods	22.3	21.5	22.3	22.5	22.1
505	Metals and minerals, except petroleum	23.3	23.5	26.0	26.1	26.1
506	Electrical goods	103.7	103.8	114.1	114.6	114.6
507	Hardware, plumbing, and heating equipment	59.0	59.0	65.3	65.6	65.6
508	Machinery, equipment, and supplies	236.0	235.7	255.3	258.5	259.7
509	Miscellaneous durable goods	47.3	46.4	49.4	49.6	48.5
51	WHOLESALE TRADE-NONDURABLE GOODS	545	536	576	577	567
511	Paper and paper products	38.9	38.6	39.2	39.6	38.9
512	Drugs, proprietaries, and sundries	55.9	56.3	60.5	61.0	60.6
513	Apparel, piece goods, and notions	73.8	72.0	77.7	77.1	76.2
514	Groceries and related products	145.1	139.8	143.1	144.4	139.8
516	Chemicals and allied products	27.5	27.6	29.3	29.8	29.7
517	Petroleum and petroleum products	44.3	44.8	47.4	47.8	48.0
518	Beer, wine, and distilled beverages	19.0	19.0	20.1	20.4	20.1
519	Miscellaneous nondurable goods	101.6	99.6	108.4	108.1	106.7

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978	Jan. 1979
52-59	RETAIL TRADE	7,265	6,762	7,346	7,624	7,128
52	BUILDING MATERIALS AND GARDEN SUPPLIES	140.3	135.3	148.2	150.8	143.2
521	Lumber and other building materials	55.3	54.4	59.2	59.2	57.7
525	Hardware stores	50.4	47.3	51.4	53.8	50.8
53	GENERAL MERCHANDISE STORES	1,810.1	1,604.2	1,684.6	1,829.8	1,628.1
531	Department stores	1,450.8	1,288.2	1,345.4	1,464.0	1,301.0
533	Variety stores	254.9	225.7	239.2	254.0	227.8
539	Misc. general merchandise stores	104.4	90.3	100.0	111.8	99.3
54	FOOD STORES	895.9	865.6	938.1	951.1	925.2
541	Grocery stores	739.7	726.0	785.7	795.1	781.6
542	Meat markets and freezer provisioners	16.1	13.5	14.4	14.7	14.7
546	Retail bakeries	72.7	68.9	71.8	72.2	69.2
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	283.1	284.3	308.8	309.7	306.0
551,2	New and used car dealers	114.2	113.8	123.3	123.3	124.5
553	Auto and home supply stores	42.4	43.5	45.4	47.4	45.5
554	Gasoline service stations	112.6	113.1	126.2	125.1	122.5
56	APPAREL AND ACCESSORY STORES	682.9	600.6	639.6	702.8	619.5
561	Men's and boys' clothing and furnishings	72.0	61.9	64.1	75.7	64.3
562	Women's ready-to-wear stores	321.3	284.6	304.7	330.0	293.2
565	Family clothing stores	140.6	117.8	126.2	144.7	121.9
566	Shoe stores	73.9	69.0	73.2	77.5	70.9
57	FURNITURE AND HOME FURNISHING STORES	189.0	182.3	192.4	196.8	192.4
571	Furniture and home furnishings	125.2	122.1	127.4	128.4	125.8
572	Household appliance stores	24.7	23.3	25.4	25.8	25.3
573	Radio, television, and music stores	39.1	36.9	39.6	42.6	41.3
58	EATING AND DRINKING PLACES	2,266.4	2,187.0	2,432.4	2,433.6	2,348.9
59	MISCELLANEOUS RETAIL	997.5	902.5	1,001.5	1,049.7	964.5
591	Drug stores and proprietary stores	312.9	285.7	307.6	322.4	314.5
592	Liquor stores	25.6	24.0	29.2	32.1	28.9
594	Miscellaneous shopping goods stores	330.4	293.6	331.8	358.2	304.6
596	Nonstore retailers	170.1	151.8	175.1	173.3	159.5
598	Fuel and ice dealers	22.6	22.6	22.2	22.7	23.4
599	Retail stores, nec.	117.4	106.8	114.0	119.1	111.8
	FINANCE, INSURANCE, AND REAL ESTATE	2,586	2,584	2,761	2,775	2,773
60	BANKING	946.3	949.7	1,006.0	1,011.8	1,013.4
602	Commercial and stock savings banks	870.5	873.5	925.8	930.8	931.8
61	CREDIT AGENCIES OTHER THAN BANKS	307.4	307.7	331.7	334.5	333.5
612	Savings and loan associations	147.5	148.3	160.4	162.0	162.6
614	Personal credit institutions	106.8	106.5	115.2	116.5	114.6
62	SECURITY, COMMODITY BROKERS, AND SERVICES	68.8	68.9	75.8	75.8	75.8
621	Security brokers and dealers	55.3	55.4	61.2	61.1	61.0
63	INSURANCE CARRIERS	677.5	679.8	720.1	724.9	725.2
631	Life insurance	268.8	268.1	272.4	274.4	273.4
632	Medical service and health insurance	98.1	98.3	102.0	102.7	102.5
633	Fire, marine, and casualty insurance	265.5	267.4	295.7	297.8	299.7
64	INSURANCE AGENTS, BROKERS, AND SERVICE	227.8	228.3	246.5	247.7	248.8
65	REAL ESTATE	292.0	285.5	312.1	310.3	306.6
651	Real estate operators and lessors	128.1	123.7	134.6	134.5	134.0
653	Real estate agents and managers	120.6	119.4	130.3	129.9	128.3
655	Subdividers and developers	27.1	26.3	29.1	28.0	26.8
66	COMBINED REAL ESTATE, INSURANCE, ETC	18.4	18.0	18.5	18.6	18.7
67	HOLDING AND OTHER INVESTMENT OFFICES	47.8	46.1	50.1	51.1	50.6
	SERVICES	8,959	8,877	9,449	9,477	9,396
70	HOTELS AND OTHER LODGING PLACES	476.4	460.9	497.7	483.8	470.7
701	Hotels, motels, and tourist courts	458.7	443.8	481.3	467.1	453.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978	Jan. 1979
72	PERSONAL SERVICES	598.7	591.9	604.5	609.8	600.7
721	Laundry, cleaning, and garment services	221.4	219.0	222.2	221.5	219.2
723	Beauty shops	250.1	246.7	250.1	253.8	250.7
726	Funeral service and crematories	17.6	17.6	18.3	18.5	18.8
73	BUSINESS SERVICES	1,024.8	994.3	1,137.4	1,146.8	1,128.8
731	Advertising	58.8	58.5	66.9	66.9	63.0
732	Credit reporting and collection	61.3	61.4	66.0	65.3	63.9
733	Mailing, reproduction, stenographic	46.1	46.2	53.8	51.0	50.4
734	Services to buildings	152.3	149.4	165.3	165.0	167.8
736	Personnel supply services	229.6	209.1	253.9	257.9	250.7
737	Computer and data processing services	91.0	94.0	105.2	107.4	109.9
75	AUTO REPAIR, SERVICES, AND GARAGES	79.5	80.7	87.5	86.9	85.5
753	Automotive repair shops	35.8	35.8	38.2	37.5	37.1
76	MISCELLANEOUS REPAIR SERVICES	46.3	44.5	48.8	50.5	50.0
78	MOTION PICTURES	78.7	74.9	81.3	80.9	78.5
781	Motion picture production and services	26.0	22.3	25.7	26.0	24.3
783	Motion picture theaters	47.3	47.1	50.1	49.4	48.7
79	AMUSEMENT AND RECREATION SERVICES	232.0	218.3	241.7	241.9	229.2
80	HEALTH SERVICES	3,771.9	3,781.3	3,938.1	3,944.8	3,955.2
801	Offices of physicians	521.1	519.9	542.7	545.5	544.4
802	Offices of dentists	245.6	245.0	250.4	253.1	252.5
805	Nursing and personal care facilities	772.8	776.1	821.2	822.2	826.9
806	Hospitals	2,004.4	2,011.5	2,080.0	2,079.3	2,084.6
81	LEGAL SERVICES	289.5	289.8	309.5	311.6	312.8
82	EDUCATIONAL SERVICES	552.6	533.0	556.4	547.8	522.8
821	Elementary and secondary schools	148.5	148.2	150.1	148.9	148.2
822	Colleges and universities	348.1	328.8	347.7	340.5	316.3
83	SOCIAL SERVICES	645.5	647.2	716.9	727.2	720.6
89	MISCELLANEOUS SERVICES	240.3	243.6	264.6	268.0	272.4
891	Engineering and architectural services	82.6	82.8	93.0	93.8	93.4
893	Accounting, auditing, and bookkeeping	109.5	111.9	118.3	120.4	124.6
-	GOVERNMENT	7,217	7,161	7,374	7,379	7,298
-	FEDERAL GOVERNMENT	846	849	864	858	856
-	STATE AND LOCAL GOVERNMENT	6,371	6,312	6,510	6,521	6,442
-	State government	1,546.5	1,509.3	1,561.2	1,559.1	1,507.6
-	Hospitals	323.2	323.8	318.7	325.7	328.6
-	State education	638.2	607.7	673.3	666.9	611.2
-	General administration including executive, legislative, and judicial functions	403.6	396.5	385.3	382.4	382.0
-	Local government	4,824.6	4,802.9	4,949.2	4,961.8	4,934.1
-	Transportation and public utilities	68.1	69.8	80.6	81.9	83.4
-	Hospitals	380.4	380.4	399.5	400.2	402.7
-	Local education	3,321.6	3,299.6	3,400.3	3,416.6	3,390.2
-	General administration including executive, legislative, and judicial functions	863.2	872.1	888.3	881.0	874.3

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	1978										1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
TOTAL	84,726	85,418	85,618	85,996	86,033	86,149	86,163	86,573	87,036	87,281	87,524	87,832	88,156
GOODS-PRODUCING	24,927	25,313	25,341	25,473	25,501	25,463	25,471	25,670	25,872	26,030	26,111	26,201	26,343
MINING	698	867	869	879	882	887	887	893	903	904	905	916	917
CONSTRUCTION	3,999	4,164	4,175	4,278	4,317	4,298	4,298	4,341	4,368	4,397	4,381	4,383	4,454
MANUFACTURING	20,230	20,282	20,297	20,316	20,302	20,278	20,286	20,436	20,601	20,729	20,825	20,902	20,972
DURABLE GOODS	12,041	12,076	12,093	12,109	12,138	12,146	12,166	12,305	12,410	12,491	12,562	12,656	12,712
Lumber and wood products	752	751	745	747	747	743	744	748	759	765	770	773	767
Furniture and fixtures	491	491	489	486	485	481	480	484	487	491	494	494	491
Stone, clay, and glass products	692	699	700	701	698	692	692	696	701	707	706	708	713
Primary metal industries	1,189	1,192	1,197	1,197	1,199	1,205	1,214	1,220	1,235	1,240	1,241	1,250	1,257
Fabricated metal products	1,639	1,646	1,652	1,645	1,643	1,646	1,650	1,667	1,684	1,697	1,706	1,715	1,713
Machinery, except electrical	2,289	2,309	2,311	2,332	2,345	2,351	2,358	2,391	2,404	2,425	2,447	2,464	2,477
Electric and electronic equipment	1,951	1,951	1,952	1,962	1,977	1,975	1,972	1,987	2,001	2,011	2,027	2,042	2,064
Transportation equipment	1,944	1,936	1,942	1,929	1,937	1,941	1,943	1,991	2,010	2,021	2,031	2,065	2,081
Instruments and related products	639	644	649	654	660	661	662	665	671	676	681	687	690
Miscellaneous manufacturing ind.	455	457	456	456	451	451	451	456	458	458	459	458	459
NONDURABLE GOODS	8,189	8,206	8,204	8,207	8,164	8,132	8,120	8,131	8,191	8,238	8,263	8,246	8,260
Food and kindred products	1,718	1,715	1,701	1,702	1,688	1,670	1,665	1,667	1,693	1,711	1,716	1,708	1,715
Tobacco manufactures	76	74	75	76	73	69	70	71	71	72	72	71	73
Textile mill products	916	911	913	908	909	903	907	907	910	910	912	911	908
Apparel and other textile products	1,319	1,330	1,326	1,325	1,307	1,309	1,309	1,307	1,307	1,312	1,318	1,303	1,300
Paper and allied products	703	706	709	709	710	698	697	692	700	705	708	714	718
Printing and publishing	1,171	1,174	1,180	1,186	1,187	1,188	1,178	1,185	1,198	1,203	1,209	1,213	1,219
Chemicals and allied products	1,081	1,085	1,093	1,091	1,091	1,089	1,088	1,089	1,093	1,097	1,099	1,099	1,100
Petroleum and coal products	209	210	207	209	207	209	209	210	210	211	211	212	214
Rubber and misc. plastic products	744	748	747	749	749	746	744	752	761	771	773	775	775
Leather and leather products	252	253	253	252	243	251	253	251	248	246	245	240	238
SERVICE-PRODUCING	59,799	60,105	60,277	60,523	60,532	60,686	60,692	60,903	61,164	61,251	61,413	61,631	61,813
TRANSPORTATION AND PUBLIC UTILITIES	4,817	4,847	4,847	4,881	4,827	4,846	4,855	4,922	4,947	4,697	4,974	5,004	5,031
WHOLESALE AND RETAIL TRADE	19,169	19,252	19,335	19,412	19,469	19,523	19,546	19,632	19,701	19,697	19,817	19,910	19,999
WHOLESALE TRADE	4,854	4,872	4,885	4,905	4,901	4,905	4,917	4,945	4,968	4,995	5,020	5,033	5,056
RETAIL TRADE	14,315	14,380	14,450	14,507	14,568	14,618	14,629	14,687	14,733	14,702	14,797	14,877	14,943
FINANCE, INSURANCE, AND REAL ESTATE	4,605	4,623	4,637	4,670	4,690	4,707	4,719	4,737	4,774	4,789	4,809	4,828	4,844
SERVICES	15,773	15,866	15,896	15,963	15,989	16,074	16,127	16,169	16,270	16,327	16,352	16,427	16,444
GOVERNMENT	15,435	15,517	15,562	15,597	15,557	15,536	15,445	15,443	15,472	15,471	15,461	15,462	15,495
FEDERAL	2,739	2,745	2,753	2,772	2,765	2,765	2,752	2,760	2,757	2,734	2,755	2,755	2,755
STATE AND LOCAL	12,696	12,772	12,809	12,825	12,792	12,771	12,693	12,683	12,715	12,737	12,706	12,707	12,740

^Ppreliminary.

**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	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
TOTAL	34,167	34,313	34,531	34,755	34,921	35,077	35,099	35,170	35,256	35,381	35,622	35,758	35,953
GOODS-PRODUCING	6,432	6,458	6,510	6,545	6,568	6,592	6,584	6,587	6,594	6,645	6,703	6,754	6,803
MINING	68	68	68	73	73	75	77	77	78	79	80	81	82
CONSTRUCTION	320	320	326	328	329	334	337	338	377	339	339	340	344
MANUFACTURING	6,044	6,070	6,116	6,114	6,166	6,183	6,170	6,172	6,179	6,227	6,284	6,333	6,377
DURABLE GOODS	2,773	2,794	2,819	2,831	2,848	2,862	2,870	2,875	2,887	2,924	2,954	2,982	3,005
Lumber and wood products	104	105	105	105	106	107	106	106	106	108	110	111	112
Furnitures and fixtures	139	140	141	141	142	141	142	141	141	142	143	144	146
Stone, clay, and glass products	129	130	130	130	130	129	129	130	130	130	131	133	132
Primary metal industries	114	114	115	115	117	120	121	122	124	125	126	128	129
Fabricated metal products	329	332	334	336	339	339	336	337	338	343	346	350	353
Machinery, except electrical	412	414	419	426	429	433	437	437	441	448	450	457	461
Electric and electronic equipment	800	807	813	813	815	818	823	823	821	831	838	845	852
Transportation equipment	274	276	281	280	284	285	286	286	291	300	308	311	314
Instruments and related products	264	266	268	271	273	277	279	281	282	282	285	287	290
Miscellaneous manufacturing ind.	208	210	213	214	213	213	211	212	213	215	217	216	216
NONDURABLE GOODS	3,271	3,276	3,297	3,313	3,318	3,321	3,300	3,297	3,292	3,303	3,330	3,351	3,372
Food and kindred products	482	482	484	485	480	485	482	469	467	417	485	495	501
Tobacco manufactures	27	27	28	27	28	27	27	24	25	26	26	27	27
Textile mill products	430	430	431	429	430	429	430	428	429	430	430	431	431
Apparel and other textile products	1,066	1,065	1,069	1,078	1,076	1,074	1,059	1,064	1,064	1,061	1,061	1,064	1,070
Paper and allied products	155	156	157	159	161	160	159	159	158	157	159	160	162
Printing and publishing	438	440	446	447	451	452	456	456	455	459	464	466	472
Chemicals and allied products	248	249	252	253	256	256	258	257	257	258	261	263	265
Petroleum and coal products	24	24	24	25	25	25	25	25	25	25	25	25	25
Rubber and misc. plastics products	249	251	254	257	258	260	260	262	258	262	268	271	271
Leather and leather products	152	152	152	153	153	153	148	153	154	154	151	149	148
SERVICE-PRODUCING	27,735	27,855	28,021	28,210	28,353	28,485	28,515	28,583	28,662	28,736	28,919	29,004	29,150
TRANSPORTATION AND PUBLIC UTILITIES	1,075	1,086	1,094	1,104	1,102	1,115	1,117	1,127	1,131	1,145	1,150	1,158	1,177
WHOLESALE AND RETAIL TRADE ..	8,006	8,050	8,098	8,138	8,188	8,225	8,258	8,303	8,322	8,354	8,389	8,372	8,467
WHOLESALE TRADE	1,176	1,184	1,196	1,207	1,210	1,217	1,215	1,216	1,222	1,242	1,250	1,260	1,267
RETAIL TRADE	6,830	6,866	6,902	6,931	6,978	7,008	7,043	7,087	7,100	7,112	7,139	7,112	7,200
FINANCE, INSURANCE, AND REAL ESTATE	2,602	2,618	2,631	2,646	2,658	2,679	2,696	2,709	2,720	2,742	2,764	2,778	2,793
SERVICES	9,003	9,035	9,109	9,144	9,176	9,220	9,260	9,315	9,333	9,354	9,440	9,506	9,529
GOVERNMENT	7,049	7,066	7,089	7,178	7,229	7,246	7,184	7,129	7,156	7,141	7,176	7,190	7,184
FEDERAL	855	856	858	863	882	874	879	880	877	878	874	859	862
STATE AND LOCAL	6,194	6,210	6,231	6,315	6,347	6,372	6,305	6,249	6,279	6,263	6,302	6,331	6,322

¹ 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' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1978										1979		
	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
TOTAL PRIVATE	56,744	57,263	57,428	57,653	57,710	57,771	57,861	58,151	58,576	58,780	58,914	59,186	59,446
GOODS-PRODUCING	18,198	18,541	18,565	18,660	18,675	18,619	18,629	18,795	18,974	19,114	19,151	19,225	19,352
MINING	509	655	659	663	667	668	671	675	683	682	687	694	690
CONSTRUCTION	3,122	3,288	3,303	3,401	3,439	3,419	3,422	3,465	3,488	3,513	3,468	3,469	3,535
MANUFACTURING	14,567	14,598	14,603	14,596	14,569	14,532	14,536	14,655	14,803	14,919	14,996	15,062	15,127
DURABLE GOODS	8,661	8,676	8,685	8,683	8,694	8,693	8,706	8,816	8,909	8,985	9,034	9,114	9,162
Lumber and wood products	647	646	639	641	637	636	636	641	649	654	658	660	658
Furniture and fixtures	405	405	404	400	398	394	395	398	400	403	405	405	401
Stone, clay, and glass products	552	558	557	558	554	549	548	551	556	561	560	562	568
Primary metal industries	933	934	939	939	942	947	953	960	976	981	981	990	994
Fabricated metal products	1,247	1,251	1,257	1,250	1,245	1,245	1,248	1,264	1,280	1,291	1,295	1,306	1,304
Machinery, except electrical	1,507	1,517	1,516	1,533	1,547	1,544	1,550	1,576	1,581	1,603	1,615	1,630	1,641
Electric and electronic equipment	1,288	1,284	1,283	1,284	1,293	1,293	1,290	1,301	1,312	1,320	1,334	1,347	1,367
Transportation equipment	1,342	1,337	1,344	1,327	1,328	1,336	1,337	1,370	1,393	1,407	1,415	1,440	1,450
Instruments and related products	391	394	397	402	407	405	406	408	412	416	420	424	429
Miscellaneous manufacturing ind.	349	350	349	349	343	344	343	347	350	349	351	350	350
NONDURABLE GOODS	5,906	5,922	5,918	5,913	5,875	5,839	5,830	5,839	5,894	5,934	5,962	5,948	5,965
Food and kindred products	1,168	1,167	1,154	1,152	1,142	1,124	1,122	1,122	1,148	1,166	1,174	1,165	1,175
Tobacco manufactures	60	59	60	61	58	54	56	57	56	58	58	57	59
Textile mill products	798	794	795	792	791	785	790	790	795	793	795	793	790
Apparel and other textile products	1,134	1,144	1,140	1,137	1,121	1,127	1,124	1,123	1,123	1,124	1,131	1,119	1,116
Paper and allied products	527	530	535	535	535	523	522	519	525	531	534	540	544
Printing and publishing	663	664	668	668	669	667	657	663	672	676	681	685	691
Chemicals and allied products	620	624	628	628	628	623	624	624	627	630	632	633	634
Petroleum and coal products	137	137	135	136	135	136	137	137	138	139	139	140	143
Rubber and misc. plastics products	583	586	586	587	587	584	581	589	598	607	609	611	610
Leather and leather products	216	217	217	217	209	216	217	215	212	210	209	205	203
SERVICE-PRODUCING	38,546	38,722	38,863	38,993	39,035	39,152	39,232	39,356	39,602	39,666	39,763	39,961	40,094
TRANSPORTATION AND PUBLIC UTILITIES	4,067	4,094	4,086	4,109	4,051	4,066	4,064	4,129	4,150	4,155	4,168	4,193	4,214
WHOLESALE AND RETAIL TRADE	16,894	16,952	17,079	17,106	17,165	17,214	17,228	17,288	17,372	17,355	17,430	17,524	17,600
WHOLESALE TRADE	4,007	4,020	4,026	4,043	4,040	4,042	4,053	4,075	4,093	4,109	4,127	4,143	4,164
RETAIL TRADE	12,887	12,932	13,053	13,063	13,125	13,172	13,175	13,213	13,279	13,246	13,303	13,381	13,436
FINANCE, INSURANCE, AND REAL ESTATE	3,500	3,516	3,523	3,546	3,565	3,579	3,591	3,603	3,635	3,644	3,663	3,671	3,686
SERVICES	14,085	14,160	14,175	14,232	14,254	14,293	14,349	14,336	14,445	14,512	14,502	14,573	14,594

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

p=preliminary.

c=corrected.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1976				
January.....	78.2	85.8	87.2	85.2
February.....	72.4	84.9	85.8	84.0
March.....	69.5	81.4	82.0	85.2
April.....	70.1	72.4	75.6	78.8
May.....	58.1	67.2	68.3	82.6
June.....	57.8	65.1	71.2	79.9
July.....	58.4	57.8	63.1	78.5
August.....	49.1	64.0	65.1	77.6
September.....	64.8	53.8	66.3	80.2
October.....	47.1	65.1	73.3	80.8
November.....	67.4	64.2	78.8	80.8
December.....	66.6	81.4	81.4	82.6
1977				
January.....	76.2	83.1	88.1	78.8
February.....	66.0	86.3	87.8	80.5
March.....	74.7	81.1	85.2	80.2
April.....	68.0	79.4	79.4	84.6
May.....	64.8	76.2	75.9	84.0
June.....	71.2	68.0	72.1	83.1
July.....	59.3	63.4	69.8	82.6
August.....	51.7	58.7	74.1	83.7
September.....	60.8	62.5	72.1	82.6
October.....	60.5	73.8	77.9	81.1
November.....	73.8	75.3	82.0	81.1
December.....	72.1	79.7	83.1	80.8
1978				
January.....	69.8	80.2	85.5	80.5
February.....	70.3	80.2	79.9	79.1
March.....	70.1	75.9	77.9	77.6
April.....	62.8	67.4	68.9	78.5
May.....	56.4	63.7	67.7	80.5
June.....	67.2	62.5	59.6	82.6
July.....	54.9	57.0	61.3	82.0
August.....	51.7	49.7	74.4	77.0p
September.....	57.6	58.7	77.9	74.7p
October.....	70.6	75.6	83.1	
November.....	80.2	85.5	85.5p	
December.....	79.7	87.2	83.1p	
1979				
January.....	74.1	80.2p		
February.....	66.0p	73.3p		
March.....	56.1p			
April.....				
May.....				
June.....				
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
1 ALABAMA	1,282.6	1,340.6	1,344.1	6.5	16.1	15.9	71.4	70.0	72.0	358.9	365.7	364.7
2 Birmingham	332.5	352.9	352.8	2.2	9.1	9.0	22.4	20.5	20.7	65.7	69.9	69.6
3 Huntsville	114.4	118.0	117.8	(1)	(1)	(1)	3.4	3.6	3.8	33.9	35.2	35.1
4 Mobile	142.4	146.4	146.8	(1)	(1)	(1)	11.6	11.1	11.4	30.1	29.8	30.2
5 Montgomery	98.6	104.5	105.1	(1)	(1)	(1)	5.9	6.3	6.7	15.5	15.8	16.0
6 Tuscaloosa	48.0	48.5	48.9	.4	1.1	1.0	2.4	2.6	2.6	9.1	8.8	8.8
7 ALASKA	153.1	152.7	153.6	5.4	5.4	5.6	10.0	7.6	7.3	8.7	7.9	8.9
8 ARIZONA	856.2	922.6	939.6	19.1	20.0	20.2	59.2	75.8	76.3	118.9	132.3	134.8
9 Phoenix	529.9	576.7	584.0	.2	.2	.2	37.1	49.1	49.6	88.4	98.1	98.9
10 Tucson	157.3	166.0	170.5	5.8	6.1	6.2	10.9	13.7	13.8	13.5	15.8	17.4
11 ARKANSAS	701.7	718.4	725.1	4.3	4.7	4.7	31.4	31.5	32.8	211.3	213.0	214.6
12 Fayetteville-Springdale	59.1	60.8	60.4	(1)	(1)	(1)	2.9	2.8	2.8	17.9	18.3	18.2
13 Fort Smith	64.5	66.9	66.8	.6	.8	.8	2.6	2.6	2.6	24.1	24.9	24.8
14 Little Rock-North Little Rock	167.9	172.3	172.1	(1)	(1)	(1)	7.8	8.4	8.4	31.8	30.9	30.8
15 Pine Bluff	30.4	30.4	30.6	(1)	(1)	(1)	1.6	1.5	1.5	6.3	6.2	6.3
16 CALIFORNIA	8,914.6	9,402.2	9,394.9	35.8	37.5	37.5	359.0	418.5	396.6	1,778.3	1,920.2	1,929.7
17 Anaheim-Santa Ana-Garden Grove	716.1	778.9	784.0	2.1	2.3	2.3	40.7	46.1	46.0	186.7	207.5	207.9
18 Bakersfield	116.3	121.8	121.6	9.8	10.3	10.2	5.9	6.9	6.9	8.9	9.5	9.4
19 Fresno	166.8	175.0	176.4	.7	.9	.9	9.4	11.3	11.3	20.7	22.2	21.9
20 Los Angeles-Long Beach	3,348.3	3,519.3	3,522.9	11.3	11.3	11.3	97.4	109.8	108.9	844.7	911.3	915.1
21 Modesto	78.8	83.5	84.0	.1	.1	.1	5.1	5.7	5.7	16.0	16.9	17.3
22 Oxnard-Simi Valley-Ventura	133.0	136.5	138.5	2.4	2.4	2.4	6.2	7.0	7.1	20.0	21.2	21.4
23 Riverside-San Bernardino-Ontario	397.8	421.3	424.8	2.5	2.3	2.4	21.9	28.0	27.8	61.1	65.4	66.0
24 Sacramento	364.4	380.0	382.5	.4	.4	.4	16.6	20.1	20.4	24.1	25.9	25.8
25 Salinas-Seaside-Monterey	80.5	83.2	83.2	.6	.6	.6	3.2	3.5	3.5	8.6	8.9	8.8
26 San Diego	573.8	612.7	615.6	.6	.7	.7	31.9	37.4	37.4	84.3	93.6	94.3
27 San Francisco-Oakland	1,441.0	1,509.3	1,509.6	1.9	2.0	2.0	59.7	66.6	66.4	193.3	201.5	201.6
28 San Jose	561.9	597.2	601.1	.1	.1	.1	19.0	20.7	21.0	182.9	204.8	207.9
29 Santa Barbara-Santa Maria-Lompoc	111.1	113.5	114.4	1.1	1.1	1.1	4.5	4.7	4.9	13.4	14.1	14.4
30 Santa Rosa	79.0	82.6	83.0	.4	.4	.4	4.1	4.5	4.5	11.7	13.3	13.3
31 Stockton	109.1	114.0	114.0	.1	.1	.1	4.8	5.5	5.5	17.8	18.2	18.3
32 Vallejo-Fairfield-Napa	92.6	96.5	96.7	.2	.3	.3	3.7	4.2	4.4	9.1	10.0	10.0
33 COLORADO	1,085.8	1,150.0	1,156.6	25.1	28.2	28.5	61.5	66.7	65.8	157.6	172.4	171.6
34 Denver-Boulder	691.4	730.4	734.2	13.8	15.9	16.1	39.1	42.0	42.0	109.4	118.0	118.3
35 CONNECTICUT ²	1,287.8	1,366.9	1,362.4	(3)	(3)	(3)	36.1	43.0	40.7	408.0	432.9	432.6
36 Bridgeport ²	153.3	160.7	160.3	(3)	(3)	(3)	3.8	4.9	4.6	61.2	64.6	64.9
37 Hartford ²	355.5	373.8	373.5	(3)	(3)	(3)	8.9	11.0	10.5	85.0	91.4	91.5
38 New Britain ²	58.1	61.2	60.7	(3)	(3)	(3)	1.3	1.5	1.4	28.0	29.9	29.7
39 New Haven-West Haven ²	181.0	188.5	187.9	(3)	(3)	(3)	4.8	5.2	5.0	44.5	45.9	45.7
40 Stamford ²	97.9	103.2	102.8	(3)	(3)	(3)	3.7	4.4	4.3	29.4	30.2	30.4
41 Waterbury ²	81.6	86.7	86.5	(3)	(3)	(3)	2.2	2.7	2.5	31.5	32.9	33.1
42 DELAWARE	236.0	251.0	249.4	(1)	(1)	(1)	12.4	13.6	12.5	65.5	68.9	68.3
43 Wilmington	209.8	218.6	217.8	(1)	(1)	(1)	13.5	13.4	12.4	61.3	64.6	64.3
44 DISTRICT OF COLUMBIA	579.3	587.7	587.8	(1)	(1)	(1)	12.6	14.1	13.6	14.6	15.2	15.1
45 Washington SMSA	1,407.1	1,451.8	1,443.1	(1)	(1)	(1)	65.5	72.5	64.4	50.5	53.3	53.1
46 FLORIDA	3,085.8	3,223.4	3,252.5	9.6	9.5	9.7	191.3	212.7	216.7	409.7	441.8	445.4
47 Fort Lauderdale-Hollywood	293.1	300.8	305.2	(1)	(1)	(1)	20.8	24.3	24.1	34.9	36.8	37.3
48 Jacksonville	272.4	280.0	280.6	(1)	(1)	(1)	14.7	15.2	15.2	31.6	32.1	32.2
49 Miami	641.3	663.3	666.8	(1)	(1)	(1)	27.0	31.9	32.0	93.5	96.7	97.6
50 Orlando	240.3	256.9	257.4	(1)	(1)	(1)	13.9	16.0	16.1	29.9	33.6	33.7
51 Pensacola	91.2	93.4	93.9	(1)	(1)	(1)	5.6	6.4	6.4	13.2	13.3	13.2
52 Tampa-St. Petersburg	473.0	487.5	490.9	(1)	(1)	(1)	29.1	32.8	32.9	65.6	67.5	68.2
53 West Palm Beach-Boca Raton	172.2	183.0	184.5	(1)	(1)	(1)	13.3	16.2	16.2	22.9	25.6	25.7
54 GEORGIA	1,956.0	2,006.7	2,010.6	7.2	7.6	7.7	91.2	96.0	95.6	504.8	512.9	513.3
55 Albany	39.5	43.4	43.7	(1)	(1)	(1)	2.9	4.3	4.5	9.5	11.0	11.2
56 Atlanta	841.3	856.8	857.9	(1)	(1)	(1)	36.2	36.8	37.0	135.2	133.9	134.5
57 Augusta	114.2	120.3	120.6	(1)	(1)	(1)	7.4	7.0	6.9	35.2	36.2	36.3
58 Columbus	79.1	80.9	80.7	(1)	(1)	(1)	4.7	5.0	4.7	20.3	20.2	20.2
59 Macon	93.9	94.4	94.3	(1)	(1)	(1)	4.4	4.2	4.3	15.1	14.3	14.1
60 Savannah	82.3	84.7	84.2	(1)	(1)	(1)	6.0	6.1	5.9	16.7	17.0	16.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-B. 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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	
65.8	70.3	70.4	257.3	271.9	270.7	56.2	58.2	58.3	186.5	194.1	194.9	280.0	294.3	297.2	1
26.0	28.6	28.7	80.2	85.6	85.4	22.2	22.7	22.8	60.7	63.3	63.5	53.1	53.2	53.4	2
2.5	2.6	2.7	20.8	22.0	21.9	3.3	3.5	3.5	17.2	17.4	17.4	33.0	33.7	33.4	3
10.2	10.9	10.9	34.3	36.3	36.0	6.6	7.2	7.3	25.9	26.4	26.4	23.7	24.7	24.6	4
4.5	4.9	4.9	23.4	24.6	24.4	5.7	6.0	6.0	17.5	18.5	18.6	26.1	28.4	28.5	5
1.7	1.7	1.7	9.4	9.6	9.5	1.6	1.6	1.6	6.0	5.9	6.0	17.4	17.2	17.7	6
15.5	15.8	15.3	27.0	27.3	27.3	8.4	7.5	7.4	26.1	26.1	26.4	52.0	55.8	55.4	7
42.7	46.9	47.1	208.0	225.7	226.8	48.0	51.2	51.5	165.9	180.4	182.6	194.4	190.3	200.3	8
25.6	28.2	28.3	139.1	151.6	152.3	37.0	39.1	39.2	106.3	115.5	116.1	96.2	94.9	99.4	9
7.8	8.4	8.4	35.5	38.0	37.8	6.9	7.4	7.5	32.9	34.8	35.3	44.0	41.8	44.1	10
39.2	41.9	41.8	149.6	155.2	155.8	29.4	30.3	30.4	100.3	106.0	108.1	136.2	135.8	136.9	11
3.2	3.3	3.3	13.7	14.5	14.2	1.9	2.1	2.1	7.5	8.4	8.4	12.0	11.4	11.4	12
3.2	3.4	3.4	13.4	14.2	14.2	2.3	2.4	2.4	10.5	11.0	11.0	7.8	7.6	7.6	13
11.7	12.3	12.3	38.6	41.0	40.3	11.9	12.0	12.0	30.3	32.2	32.5	35.8	35.5	35.8	14
3.7	3.7	3.7	6.0	6.1	6.0	1.2	1.2	1.2	4.5	4.6	4.7	7.1	7.1	7.2	15
485.2	519.9	516.8	2,040.4	2,199.4	2,186.4	533.2	570.0	569.6	1,876.1	2,020.4	2,042.2	1,806.6	1,716.3	1,716.1	16
21.5	25.0	25.2	172.2	190.5	190.6	44.4	49.7	50.1	142.4	156.0	158.3	106.1	101.8	103.6	17
6.7	7.4	7.4	29.0	31.3	31.0	4.2	4.5	4.5	19.9	20.9	20.9	31.9	31.0	31.3	18
9.1	10.0	9.9	42.3	46.8	46.5	9.2	9.7	9.7	32.0	33.9	34.1	43.4	40.2	42.1	19
182.9	198.6	196.5	761.4	811.9	809.8	206.4	215.5	215.5	740.2	780.6	788.7	504.0	480.3	477.1	20
3.4	3.6	3.5	18.9	21.5	21.3	2.6	2.9	2.9	14.8	16.0	16.1	17.9	16.8	17.1	21
5.7	6.0	6.1	30.2	32.7	32.9	5.7	6.0	6.0	24.7	25.9	26.3	38.1	35.3	36.3	22
20.9	22.0	22.2	95.2	103.3	103.2	16.1	17.1	17.2	82.1	86.9	88.1	98.0	96.3	97.9	23
18.5	20.5	20.6	82.3	88.4	88.0	17.6	19.4	19.6	64.9	70.7	71.3	140.0	134.6	136.4	24
4.7	4.8	4.8	20.0	21.1	20.9	3.7	3.9	3.9	16.5	18.0	18.1	23.2	22.4	22.6	25
25.0	26.7	27.0	131.6	146.3	146.3	31.8	34.5	34.6	125.7	134.5	135.5	142.9	139.0	139.8	26
121.0	126.2	126.0	329.7	356.1	353.3	127.5	135.0	135.2	306.2	331.4	332.8	301.7	290.5	292.3	27
18.6	20.1	20.2	109.9	117.2	116.4	22.5	24.2	24.2	124.2	131.1	132.3	84.7	79.0	79.3	28
8.1	8.3	8.3	28.7	30.0	30.0	4.7	4.9	4.9	28.2	29.7	30.0	26.4	24.7	24.8	29
3.7	4.1	4.1	18.8	20.1	20.0	4.8	5.3	5.3	15.0	16.0	16.0	20.5	18.9	19.4	30
7.3	7.9	7.5	25.3	27.0	27.0	4.5	4.9	4.9	21.4	23.3	23.5	27.9	27.1	27.2	31
3.8	4.1	4.1	18.1	20.2	20.0	3.2	3.5	3.5	16.7	17.4	17.4	37.8	36.8	37.0	32
65.4	70.8	71.3	270.2	288.5	285.9	65.5	69.6	69.9	220.9	238.6	240.3	219.6	215.3	223.2	33
45.6	49.5	50.0	172.3	183.4	181.0	46.6	49.3	49.6	143.1	153.1	155.1	121.6	119.1	122.1	34
56.3	58.3	58.1	268.2	286.9	283.4	92.3	97.0	96.8	247.1	262.7	263.2	179.7	186.2	187.6	35
5.7	6.0	5.9	31.0	32.2	31.7	6.5	6.6	6.5	28.5	29.7	29.9	16.7	16.8	16.8	36
14.4	14.8	14.9	73.5	78.9	77.8	53.1	53.2	53.4	66.4	71.1	71.3	54.3	53.4	54.1	37
1.3	1.5	1.4	9.9	10.1	9.9	1.5	1.6	1.6	9.1	9.5	9.6	7.0	7.0	7.0	38
14.8	15.3	15.2	37.5	39.9	39.4	9.6	10.5	10.5	43.1	45.0	45.0	26.7	26.8	27.2	39
3.4	3.6	3.7	22.6	24.1	23.7	6.7	7.2	7.1	22.4	24.0	23.8	9.6	9.9	9.7	40
3.0	3.1	3.0	14.8	15.6	15.4	2.9	3.1	3.1	16.3	18.0	18.0	11.0	11.4	11.4	41
13.2	12.8	12.9	51.7	57.0	56.1	10.7	11.3	11.4	39.4	42.3	42.2	43.2	45.0	46.0	42
12.4	12.2	12.2	42.8	44.6	44.2	10.1	10.1	10.2	34.5	37.0	36.9	35.2	36.7	37.6	43
25.3	25.6	25.6	62.7	65.2	64.7	33.1	34.0	34.0	155.9	159.5	160.7	275.1	274.1	274.1	44
62.8	64.4	64.3	267.8	284.0	279.2	81.9	85.8	86.0	349.2	360.2	361.5	529.4	531.6	534.6	45
190.7	198.7	199.0	810.7	836.5	837.1	212.3	228.9	229.4	676.7	701.3	712.8	584.8	594.0	602.4	46
14.1	15.1	15.1	85.8	86.2	87.7	22.8	24.6	24.7	71.6	71.1	73.3	43.1	42.7	43.0	47
21.8	22.8	23.0	71.0	72.9	72.7	27.1	27.9	27.9	52.3	54.1	54.2	53.9	55.0	55.4	48
60.6	66.4	66.8	165.7	168.5	168.9	46.4	47.7	47.8	157.6	160.3	161.4	90.5	91.8	92.3	49
11.6	12.6	12.8	66.9	71.7	71.1	15.7	17.2	17.5	62.0	64.9	65.3	40.3	40.9	40.9	50
4.7	4.9	4.9	21.1	22.0	22.2	4.0	4.1	4.2	17.2	17.3	17.3	25.4	25.4	25.7	51
27.4	28.1	28.2	133.5	135.0	136.3	33.1	35.8	35.5	106.5	110.6	111.5	77.8	77.7	78.3	52
7.4	7.8	7.8	44.8	47.0	47.3	13.0	14.1	14.4	41.7	42.3	42.6	29.1	30.0	30.5	53
123.5	126.9	127.2	447.5	463.0	459.9	100.4	103.8	103.9	291.3	297.8	301.3	390.1	398.7	401.8	54
1.7	1.8	1.8	8.9	9.5	9.4	1.7	1.7	1.7	4.9	4.9	4.8	9.8	10.2	10.2	55
73.9	76.5	76.8	234.9	240.9	237.2	58.1	60.0	60.2	155.1	156.7	158.0	148.1	152.0	154.2	56
4.0	4.2	4.2	20.0	24.9	24.6	4.2	4.2	4.3	14.4	15.2	15.6	29.0	28.6	28.8	57
3.3	3.3	3.3	16.7	17.7	17.7	4.9	5.2	5.3	10.5	10.4	10.2	18.8	19.0	19.2	58
4.4	4.5	4.5	19.1	19.9	19.8	5.7	5.8	5.8	14.8	14.7	14.9	30.3	31.0	30.9	59
7.8	9.7	9.7	18.5	19.5	19.3	3.9	4.1	4.1	13.7	13.3	13.3	15.7	15.0	15.1	60

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
1 HAWAII	368.1	371.2	380.2	(1)	(1)	(1)	19.3	21.3	21.9	22.8	23.1	23.3
2 Honolulu	305.1	306.3	314.6	(1)	(1)	(1)	16.2	18.1	18.6	16.5	16.8	16.9
3 IDAHO	311.9	331.1	330.7	3.6	3.7	3.8	16.1	17.3	16.9	55.3	57.2	56.5
4 Boise City	74.8	82.3	(*)	(1)	(1)	(*)	5.5	5.7	(*)	8.5	9.6	(*)
5 ILLINOIS	4,610.5	4,718.7	4,722.8	13.7	27.6	27.3	143.2	149.6	149.1	1,233.9	1,240.4	1,238.3
6 Bloomington—Normal	47.4	47.7	48.9	(3)	(3)	(3)	1.1	1.0	1.0	6.3	6.9	7.0
7 Champaign—Urbana—Rantoul	68.0	68.6	71.3	(3)	(3)	(3)	2.2	2.4	2.4	7.5	7.8	7.9
8 Chicago—Gary	(*)	3,452.3	(*)	(*)	4.8	(*)	143.2	(*)	(*)	(*)	947.4	(*)
9 Chicago SMSA	3,065.0	3,144.4	3,146.7	4.6	4.7	4.7	101.9	113.5	112.8	829.3	839.9	839.7
10 Davenport—Rock Island—Moline	156.2	159.8	160.0	(3)	(3)	(3)	6.5	6.5	6.4	46.8	48.9	49.3
11 Decatur	53.0	54.5	54.3	(3)	(3)	(3)	2.5	2.7	2.7	19.0	19.4	19.3
12 Peoria	144.4	148.9	148.9	(3)	(3)	(3)	6.9	8.0	7.9	50.9	51.6	51.3
13 Rockford	117.1	121.0	120.4	(3)	(3)	(3)	2.7	2.7	2.6	53.6	57.0	56.5
14 Springfield	81.8	81.7	81.7	(3)	(3)	(3)	3.1	3.1	3.1	9.0	7.8	7.9
15 INDIANA	2,103.7	2,188.9	2,186.0	5.5	9.3	9.3	75.0	90.8	88.3	719.8	748.5	745.0
16 Anderson	52.0	52.7	51.8	(1)	(1)	(1)	.9	.9	.8	26.2	26.0	25.5
17 Evansville	120.4	121.2	121.9	1.3	2.5	2.4	6.2	6.9	6.7	39.0	37.5	38.3
18 Fort Wayne	167.5	173.5	172.9	(1)	(1)	(1)	6.1	6.4	6.3	58.9	61.9	61.8
19 Gary—Hammond—East Chicago	245.7	255.7	255.6	(1)	(1)	(1)	13.6	14.7	14.4	98.9	104.9	104.6
20 Indianapolis	492.2	506.6	505.4	(1)	(1)	(1)	14.9	14.7	13.9	128.2	131.1	131.1
21 Lafayette—West Lafayette	54.9	57.4	58.4	(1)	(1)	(1)	1.3	1.6	1.5	11.5	12.8	12.6
22 Muncie	48.5	49.0	49.1	(1)	(1)	(1)	1.4	1.6	1.5	14.7	14.4	14.5
23 South Bend	109.5	110.8	111.8	(1)	(1)	(1)	4.0	4.5	4.5	34.1	34.0	34.2
24 Terre Haute	59.8	63.1	63.2	.4	1.5	1.4	1.7	1.9	1.8	16.1	17.3	17.2
25 IOWA	1,076.8	1,098.8	1,103.4	1.9	1.8	1.8	45.2	47.0	45.9	247.9	256.0	256.8
26 Cedar Rapids	82.2	84.1	84.6	(1)	(1)	(1)	3.4	3.5	3.4	28.3	29.9	29.9
27 Des Moines	175.6	179.3	179.2	(1)	(1)	(1)	7.2	7.5	7.4	26.0	26.3	26.2
28 Dubuque	43.8	44.1	44.3	(1)	(1)	(1)	1.5	1.7	1.7	16.6	17.1	17.3
29 Sioux City	49.4	50.3	50.1	(1)	(1)	(1)	3.3	3.0	2.9	9.6	9.6	9.6
30 Waterloo—Cedar Falls	64.9	67.1	67.3	(1)	(1)	(1)	2.6	2.6	2.5	22.8	22.4	22.7
31 KANSAS	884.0	916.7	923.0	11.8	12.3	12.3	37.1	39.4	39.6	178.5	194.9	196.8
32 Topeka	82.5	84.0	84.9	.2	.2	.2	2.9	3.0	3.1	11.5	11.7	11.9
33 Wichita	183.0	196.4	197.6	2.1	2.0	2.0	7.6	9.0	9.2	55.7	63.8	64.7
34 KENTUCKY	1,137.4	1,239.1	1,238.5	32.7	59.8	59.1	45.3	56.4	58.6	286.4	292.8	292.0
35 Lexington—Fayette	134.7	144.7	144.4	(1)	(1)	(1)	5.5	6.5	6.3	30.5	31.5	31.1
36 Louisville	376.3	401.0	400.2	(1)	(1)	(1)	14.8	18.2	17.6	108.3	111.2	110.7
37 Owensboro	28.7	30.8	31.1	.6	.8	.7	1.8	2.3	2.1	7.0	7.0	7.0
38 LOUISIANA	1,394.9	1,430.2	1,432.1	70.7	78.1	78.3	112.0	118.6	118.6	202.8	208.4	209.5
39 Alexandria	49.4	51.2	50.9	(1)	(1)	(1)	2.8	2.8	3.0	6.2	6.4	6.3
40 Baton Rouge	184.9	187.5	190.0	.9	.9	.9	23.0	26.1	25.6	24.7	25.0	25.1
41 Lafayette	60.8	64.3	64.8	10.9	11.8	11.8	4.5	5.2	5.3	3.3	3.5	3.6
42 Lake Charles	56.9	58.3	58.5	1.7	1.9	1.9	5.1	5.2	5.3	11.9	12.4	12.5
43 Monroe	47.7	50.3	49.9	.4	.4	.3	4.2	4.6	4.5	8.2	8.9	8.8
44 New Orleans	468.7	476.7	476.0	15.3	15.8	15.8	27.7	28.4	28.4	50.7	52.1	52.0
45 Shreveport	136.5	142.6	142.2	4.9	5.5	5.4	8.2	10.0	10.1	28.2	28.7	28.7
46 MAINE	382.0	398.2	398.1	(1)	(1)	(1)	14.9	15.7	14.4	107.7	113.6	113.0
47 Lewiston—Auburn	32.8	34.1	34.1	(1)	(1)	(1)	1.1	1.1	1.1	11.9	12.2	12.3
48 Portland	80.8	86.1	86.4	(1)	(1)	(1)	3.3	3.2	3.5	15.9	17.1	17.0
49 MARYLAND	1,531.9	1,586.5	1,580.2	(1)	(1)	(1)	76.1	86.1	80.6	235.0	243.3	244.0
50 Baltimore	856.8	892.9	888.5	(1)	(1)	(1)	36.1	41.7	40.3	160.2	166.1	165.0
51 MASSACHUSETTS	2,416.7	2,518.4	2,514.6	(1)	(1)	(1)	56.6	64.5	61.4	634.1	658.5	658.4
52 Boston	1,316.5	1,362.9	1,359.4	(1)	(1)	(1)	33.5	36.2	35.1	271.8	285.1	284.9
53 Brockton	54.6	57.8	57.9	-	-	-	1.3	1.3	1.4	11.7	12.3	12.4
54 Fall River	54.5	56.9	56.5	(1)	(1)	(1)	.9	1.0	.9	20.7	21.5	21.3
55 Lawrence—Haverhill	103.0	104.3	105.1	(1)	(1)	(1)	1.7	1.9	1.8	39.0	38.8	38.7
56 Lowell	66.4	69.1	69.1	(1)	(1)	(1)	1.7	1.8	1.7	22.6	24.0	24.1
57 New Bedford	60.2	62.0	61.9	(1)	(1)	(1)	1.2	1.7	1.6	24.7	26.1	26.1
58 Springfield—Chicopee—Holyoke	220.8	223.7	227.4	(1)	(1)	(1)	4.1	4.4	4.1	65.2	67.1	67.1
59 Worcester	153.4	158.5	158.0	(1)	(1)	(1)	3.1	3.4	3.1	46.0	47.7	47.6
60 MICHIGAN	3,448.6	3,544.6	3,546.8	13.2	13.0	12.9	113.4	128.8	123.1	1,121.6	1,165.3	1,158.8
61 Ann Arbor	130.2	135.2	136.8	(1)	(1)	(1)	2.3	2.3	2.3	42.2	44.3	45.3
62 Battle Creek	64.8	67.2	67.3	(1)	(1)	(1)	1.1	1.4	1.3	23.2	23.9	24.0

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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P		
28.1	28.9	28.8	95.6	95.9	96.4	28.0	29.0	29.1	87.7	91.1	92.3	86.6	81.9	88.4	1	
23.1	23.8	23.7	80.1	79.9	80.2	24.4	25.4	25.5	71.2	73.5	74.5	73.6	68.8	75.2	2	
18.4	19.8	20.1	78.3	83.6	82.9	18.4	22.1	22.4	54.8	58.3	58.5	67.0	69.1	69.6	3	
4.5	4.9	(*)	19.8	21.3	(*)	6.8	9.1	(*)	12.8	13.9	(*)	16.9	17.8	(*)	4	
281.6	290.6	291.0	1,064.7	1,091.8	1,082.0	278.3	290.7	290.0	870.4	895.2	898.6	724.7	732.8	746.6	5	
3.0	3.1	3.1	11.0	11.4	11.4	7.2	7.3	7.4	7.0	7.0	7.2	11.8	11.0	11.9	6	
2.4	2.5	2.5	15.2	16.2	16.2	2.2	2.3	2.3	9.2	9.3	9.4	29.3	28.1	30.6	7	
(*)	212.9	(*)	(*)	780.2	(*)	(*)	218.0	(*)	(*)	658.0	(*)	(*)	488.0	(*)	(*)	8
191.1	198.2	198.2	695.7	706.7	701.9	200.6	208.1	207.7	603.3	621.3	623.8	438.5	452.2	457.9	9	
7.6	7.7	7.7	40.0	41.2	41.0	6.5	6.6	6.6	23.4	23.0	23.1	25.5	25.8	25.9	10	
4.3	4.6	4.6	10.9	11.3	11.1	2.5	2.6	2.6	8.2	8.5	8.6	5.5	5.4	5.4	11	
7.4	7.6	7.7	33.6	35.3	35.0	7.1	7.5	7.5	25.5	26.3	26.6	12.9	12.6	13.0	12	
5.4	5.1	5.2	23.9	24.3	24.1	3.9	4.0	4.0	15.4	15.8	15.9	12.3	12.1	12.2	13	
4.8	4.7	4.7	18.4	19.0	18.8	6.5	6.8	6.7	15.3	15.6	15.8	24.7	24.7	24.7	14	
104.8	108.5	108.4	452.2	471.6	468.6	93.9	97.8	97.8	302.6	310.1	312.5	349.9	352.3	356.1	15	
1.4	1.5	1.4	9.7	10.4	10.2	1.6	1.7	1.7	6.6	6.6	6.6	5.6	5.6	5.6	16	
6.5	6.6	6.7	28.5	29.0	28.8	4.1	4.2	4.2	22.5	22.7	22.7	12.3	11.8	12.1	17	
10.6	10.7	10.9	39.3	40.7	39.9	9.3	9.7	9.8	25.6	26.4	26.4	17.7	17.7	17.8	18	
14.1	14.5	14.4	46.4	48.6	48.1	8.5	8.9	8.8	33.0	33.4	34.3	31.2	30.7	31.0	19	
29.6	30.2	30.3	118.3	124.7	123.5	33.9	34.6	34.7	79.2	83.0	83.7	88.1	88.3	88.2	20	
1.5	1.6	1.6	10.7	11.5	11.4	2.6	2.8	2.7	8.0	8.5	8.7	19.3	18.6	19.9	21	
2.0	2.2	2.2	10.9	11.1	10.8	1.5	1.5	1.5	7.0	7.3	7.4	11.0	10.9	11.2	22	
5.2	5.2	5.3	25.7	26.8	26.7	5.0	5.1	5.1	22.5	22.3	22.9	13.0	12.9	13.1	23	
3.8	3.9	3.9	15.1	16.1	15.9	2.0	2.0	2.0	8.6	8.8	8.8	12.1	11.6	12.2	24	
54.3	55.3	55.5	270.2	279.8	278.0	53.5	55.8	55.9	191.5	196.3	198.3	212.3	206.9	211.3	25	
3.9	3.9	3.9	17.3	18.3	18.3	4.2	4.3	4.3	14.2	14.6	14.9	11.0	9.6	9.9	26	
11.2	11.2	11.2	46.5	47.5	46.9	19.2	19.9	20.0	36.3	37.5	37.7	29.3	29.4	29.7	27	
1.6	1.6	1.6	8.8	9.2	9.1	1.3	1.3	1.3	9.8	9.3	9.3	4.2	4.0	4.1	28	
3.7	4.0	4.0	13.0	13.3	13.2	2.7	2.7	2.7	10.5	10.9	10.9	6.6	6.7	6.7	29	
2.5	2.5	2.5	13.7	14.5	14.6	1.9	2.0	1.9	10.0	10.4	10.4	11.4	12.7	12.7	30	
60.7	64.6	65.2	212.1	221.2	218.5	43.4	45.7	45.7	151.3	157.8	158.7	189.1	180.8	186.2	31	
7.2	7.4	7.4	18.2	18.8	18.8	5.7	5.7	5.7	15.5	16.3	16.4	24.5	20.9	21.4	32	
10.0	10.2	10.5	40.9	43.3	43.2	8.9	9.0	9.1	35.2	36.2	36.1	22.8	22.8	22.8	33	
63.6	69.0	69.2	246.5	270.4	267.4	46.9	48.9	49.4	188.1	204.8	203.8	227.9	237.0	239.0	34	
6.4	6.9	7.0	30.6	31.6	31.2	6.6	6.9	7.0	23.6	25.9	26.3	31.5	35.4	35.5	35	
23.7	24.5	24.5	83.6	93.8	92.9	20.9	22.0	22.2	69.7	73.3	73.3	55.3	58.1	59.1	36	
2.1	2.2	2.2	7.0	7.7	7.9	1.4	1.4	1.2	4.9	5.4	5.7	4.2	4.3	4.3	37	
107.7	110.1	110.7	329.9	340.5	339.1	68.0	70.9	71.2	236.0	243.8	244.4	267.8	259.8	260.3	38	
2.4	2.5	2.5	10.8	11.6	11.2	3.0	3.2	3.2	9.1	9.6	9.7	15.1	15.1	15.0	39	
9.1	9.5	9.5	39.3	40.0	39.8	10.2	10.8	10.8	28.3	27.6	27.7	49.4	47.6	50.6	40	
4.3	4.6	4.6	15.8	16.8	16.9	1.9	2.0	2.0	10.9	11.1	11.6	8.5	9.3	9.0	41	
3.1	3.2	3.2	12.7	13.1	12.9	2.4	2.5	2.6	9.5	9.4	9.5	10.5	10.6	10.6	42	
2.3	2.3	2.4	12.2	13.2	13.0	3.2	3.3	3.3	7.2	7.8	7.8	10.0	9.8	9.8	43	
47.5	48.2	48.5	116.9	118.9	118.4	28.0	28.7	28.8	102.3	105.5	106.1	80.3	79.1	78.0	44	
9.3	10.1	10.1	33.4	34.4	34.0	6.4	6.6	6.6	22.7	23.8	23.7	23.4	23.5	23.6	45	
17.3	17.6	17.7	80.0	87.0	85.7	15.4	15.8	15.8	65.5	68.1	68.7	81.2	80.4	82.8	46	
1.0	1.1	1.1	7.4	7.7	7.6	1.4	1.5	1.5	6.4	6.9	6.9	3.6	3.6	3.6	47	
5.0	5.2	5.2	21.5	23.5	23.2	6.7	6.8	6.8	16.0	17.7	17.7	12.4	12.6	13.0	48	
79.7	82.9	83.1	360.1	381.2	374.1	84.7	87.5	87.5	309.7	325.4	325.0	386.6	380.1	385.9	49	
54.4	58.1	58.7	190.5	200.6	196.2	51.3	53.0	53.0	165.3	171.8	171.9	199.0	201.6	203.4	50	
115.5	115.5	115.9	531.3	566.7	556.2	139.1	144.6	144.5	546.0	572.9	574.3	394.1	395.7	403.9	51	
67.2	66.6	66.9	292.5	303.7	296.1	96.5	99.8	99.7	351.8	370.7	375.4	203.2	200.8	201.3	52	
3.9	3.9	3.9	14.5	15.9	15.5	2.1	2.2	2.2	8.4	8.8	8.8	12.7	13.4	13.7	53	
1.9	2.0	2.0	12.1	13.0	12.9	2.7	2.8	2.8	8.4	8.6	8.6	7.8	8.0	8.0	54	
4.1	4.2	4.2	21.3	23.4	23.4	3.6	3.7	3.7	14.5	13.3	13.3	18.8	19.0	20.0	55	
3.1	3.0	3.1	14.5	15.0	14.9	2.1	2.1	2.1	10.2	10.1	10.1	12.2	13.1	13.1	56	
2.6	2.6	2.5	11.5	11.4	11.3	1.8	1.8	1.8	8.3	8.5	8.6	10.1	9.9	10.0	57	
9.4	9.6	9.8	44.5	44.6	44.3	11.2	11.5	11.6	40.6	41.4	41.4	45.8	45.1	49.1	58	
6.9	7.0	6.9	33.0	34.3	34.0	8.3	8.5	8.5	28.8	29.8	29.9	27.3	27.8	28.0	59	
148.4	152.1	151.9	690.2	710.4	701.7	141.5	146.2	146.9	584.2	605.6	609.4	636.0	623.2	642.0	60	
2.2	2.1	2.2	17.9	19.0	18.6	3.6	4.0	4.0	18.2	18.2	18.4	43.8	45.3	46.0	61	
2.1	2.4	2.3	10.8	11.3	11.2	3.5	3.6	3.6	11.4	11.8	12.1	12.7	12.8	12.8	62	

**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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
MICHIGAN—Continued												
1 Bay City	35.7	37.1	37.4	(1)	(1)	(1)	1.4	1.6	1.5	11.1	11.7	11.7
2 Detroit	1,693.8	1,748.0	1,737.9	1.1	1.1	1.1	56.0	65.3	61.0	567.7	587.0	577.4
3 Flint	195.9	205.2	205.8	(1)	(1)	(1)	5.7	6.7	6.7	85.6	91.3	90.4
4 Grand Rapids	240.9	246.9	249.3	(1)	(1)	(1)	8.6	9.8	9.5	86.3	88.9	91.0
5 Jackson	50.9	53.6	53.5	(1)	(1)	(1)	1.1	1.1	1.1	16.1	17.7	17.7
6 Kalamazoo—Portage	104.7	107.3	108.5	(1)	(1)	(1)	3.4	4.0	4.0	35.2	37.0	37.4
7 Lansing—East Lansing	183.5	190.1	192.3	(1)	(1)	(1)	3.9	4.2	4.2	42.3	45.7	45.3
8 Muskegon-Norton Shores-Musk. Hgts	58.8	61.1	60.9	(1)	(1)	(1)	2.1	2.6	2.6	22.2	23.0	23.0
9 Saginaw	89.5	94.7	94.7	(1)	(1)	(1)	2.2	3.0	2.8	37.1	39.0	38.9
10 MINNESOTA	1,611.5	1,683.0	1,689.3	13.3	16.0	16.3	58.7	66.2	65.7	343.1	362.8	364.0
11 Duluth—Superior	57.3	(*)	(*)	(1)	(*)	(*)	1.9	(*)	(*)	8.0	(*)	(*)
12 Minneapolis—St. Paul	985.4	1,026.5	1,031.1	(1)	(1)	(1)	33.5	37.7	37.9	225.0	235.8	237.1
13 MISSISSIPPI	778.6	824.2	826.9	8.3	8.8	9.0	38.1	46.1	46.3	231.1	234.7	235.4
14 Jackson	133.1	141.7	142.7	1.1	1.1	1.1	6.6	8.5	8.7	18.4	18.7	19.0
15 MISSOURI	1,863.7	1,914.5	1,911.7	6.3	7.7	7.9	64.6	68.2	70.6	441.2	457.0	454.6
16 Kansas City	602.1	611.4	610.2	.4	.4	.4	22.5	22.9	23.6	122.0	125.4	123.4
17 St. Joseph	36.2	35.7	35.9	(3)	(3)	(3)	1.5	1.5	1.5	9.4	9.1	9.3
18 St. Louis	933.4	960.7	956.4	1.3	2.3	2.4	32.6	34.6	35.1	242.3	256.2	255.8
19 Springfield	79.3	80.1	81.3	(3)	(3)	(3)	3.0	2.8	3.0	18.3	17.9	18.3
20 MONTANA	261.3	271.1	270.6	6.0	7.5	7.5	12.2	13.4	13.3	25.0	26.5	26.6
21 Billings	43.0	43.9	43.9	(1)	(1)	(1)	1.8	1.9	1.8	4.1	4.1	4.1
22 Great Falls	28.7	29.4	29.4	(1)	(1)	(1)	1.4	1.4	1.4	1.7	1.8	1.7
23 NEBRASKA	584.4	591.0	594.9	1.4	1.4	1.4	25.2	25.8	25.7	90.4	94.1	94.9
24 Lincoln	95.0	96.7	98.6	-	-	-	3.6	4.0	4.1	13.1	14.3	14.4
25 Omaha	246.7	251.0	252.6	(3)	(3)	(3)	9.7	9.7	9.5	34.5	35.4	35.5
26 NEVADA	322.7	362.4	365.7	4.5	3.9	3.9	21.9	26.4	26.5	16.4	18.9	19.0
27 Las Vegas	176.8	194.9	196.3	.2	.3	.2	11.9	14.2	14.2	5.8	6.8	6.9
28 Reno	94.1	107.4	108.7	.5	.5	.5	7.4	8.0	8.1	7.5	8.3	8.3
29 NEW HAMPSHIRE	341.2	363.2	363.2	.3	.3	.3	14.3	17.2	16.6	106.2	112.3	111.8
30 Manchester	68.7	70.8	70.3	(3)	(3)	(3)	2.5	2.9	2.7	18.9	19.0	18.8
31 Nashua	51.8	56.0	56.0	(3)	(3)	(3)	2.0	2.6	2.5	23.4	25.8	25.7
32 NEW JERSEY ²	2,831.1	2,951.5	2,943.8	2.5	2.4	2.4	78.1	101.2	95.8	768.2	789.9	790.7
33 Atlantic City ²	61.7	70.2	69.5	-	-	-	2.6	3.4	3.4	8.2	8.2	8.1
34 Camden ^{2,7}	308.0	324.0	323.0	.1	.1	.1	9.7	11.7	11.1	67.2	70.2	70.1
35 Hackensack ^{2,8}	368.6	391.2	386.2	(1)	(1)	(1)	9.4	11.2	10.9	106.9	113.3	109.9
36 Jersey City ^{2,8}	228.5	229.6	230.8	-	-	-	3.4	3.6	3.4	71.2	70.3	71.3
37 Long Branch—Asbury Park ²	144.0	149.0	149.5	(1)	(1)	(1)	4.4	5.5	5.2	22.8	23.1	22.8
38 New Brunswick—Perth Amboy—Sayreville ^{2,8}	261.1	279.0	277.9	(1)	(1)	(1)	7.1	10.8	9.8	87.6	89.7	89.8
39 Newark ^{2,8}	886.3	921.9	921.3	.9	.9	.9	22.9	31.0	28.5	244.7	252.1	254.5
40 Paterson—Clifton—Passaic ^{2,8}	182.9	195.2	196.2	(1)	(1)	(1)	4.5	5.4	4.9	64.7	68.5	69.6
41 Trenton ²	155.9	161.8	162.6	(1)	(1)	(1)	2.1	2.5	2.3	36.9	37.8	37.6
42 Vineland—Millville—Bridgeton ²	54.8	56.7	56.0	(1)	(1)	(1)	1.1	1.4	1.1	19.2	19.3	19.0
43 NEW MEXICO ²	425.6	446.2	448.1	23.6	25.7	25.6	31.4	33.3	33.4	32.3	34.2	33.7
44 Albuquerque ²	170.9	180.2	180.3	(1)	(1)	(1)	13.5	14.1	13.9	16.8	17.4	16.7
45 NEW YORK	6,802.7	6,959.0	6,963.5	5.7	5.6	5.5	154.5	174.4	167.7	1,446.3	1,473.0	1,481.5
46 Albany-Schenectady-Troy	324.4	325.3	325.6	(1)	(1)	(1)	8.2	9.0	8.2	63.2	60.9	60.1
47 Binghamton	112.7	117.2	117.4	(1)	(1)	(1)	2.9	3.9	3.9	41.3	42.6	42.4
48 Buffalo	493.3	505.4	503.9	(1)	(1)	(1)	13.6	15.9	14.6	142.5	144.7	145.1
49 Elmira	36.1	37.3	37.2	(1)	(1)	(1)	1.0	1.1	.9	11.5	12.0	11.8
50 Monroe County ^{2,9}	321.5	330.7	330.9	(1)	(1)	(1)	7.9	8.5	8.3	128.3	133.4	133.2
51 Nassau—Suffolk ¹⁰	820.5	857.8	855.2	(1)	(1)	(1)	25.5	30.0	28.3	152.0	160.1	160.5
52 New York—Northwestern New Jersey ²	(*)	6,463.0	(*)	(*)	3.5	(*)	(*)	169.4	(*)	(*)	1,357.5	(*)
53 New York and Nassau—Suffolk ⁸	4,376.9	4,480.8	4,478.5	1.6	1.7	1.7	94.8	107.8	102.5	760.2	767.6	778.7
54 New York SMSA ¹⁰	3,556.3	3,623.0	3,623.3	1.4	1.5	1.5	69.4	77.8	75.2	608.2	607.5	618.2
55 New York City ¹¹	3,152.1	3,207.6	3,207.1	1.3	1.3	1.3	57.5	64.6	62.9	522.9	520.6	528.3
56 Poughkeepsie	89.6	91.9	93.2	(1)	(1)	(1)	2.2	2.3	2.4	29.9	31.2	31.4
57 Rochester	393.0	404.1	404.0	(1)	(1)	(1)	9.2	10.0	9.7	147.1	154.0	153.3
58 Rockland County ¹¹	74.4	77.1	76.8	(1)	(1)	(1)	1.7	1.7	1.4	15.3	15.6	15.8
59 Syracuse	249.3	254.9	255.9	(1)	(1)	(1)	8.3	9.2	8.9	59.4	61.0	60.7
60 Utica—Rome	111.0	113.7	114.1	(1)	(1)	(1)	1.9	2.5	2.5	30.6	31.8	31.9
61 Westchester County ¹¹	318.1	326.3	327.4	(1)	(1)	(1)	9.7	10.9	10.2	68.7	69.9	72.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government				
FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P		
2.1	1.9	1.9	8.7	9.1	9.0	1.1	1.2	1.3	6.2	6.1	6.3	5.1	5.5	5.7	1	
81.4	82.5	82.7	333.6	342.4	338.3	81.8	83.8	84.1	314.2	328.5	329.6	258.0	257.5	263.8	2	
6.1	6.0	6.1	38.1	39.9	40.1	5.5	5.9	5.9	27.0	27.6	28.3	27.9	27.8	28.3	3	
9.7	9.9	9.9	53.9	55.6	55.1	8.6	8.8	8.8	43.0	43.4	44.1	30.8	30.5	30.9	4	
4.3	4.5	4.5	9.8	10.4	10.4	1.5	1.8	1.7	9.3	9.6	9.6	8.8	8.5	8.5	5	
3.4	3.4	3.4	19.4	20.0	19.9	3.7	3.7	3.7	17.5	18.1	18.2	22.1	21.1	21.9	6	
4.4	4.5	4.5	32.7	34.4	33.9	8.6	9.2	9.3	24.4	25.0	25.4	67.2	67.1	69.7	7	
3.0	3.0	3.0	10.6	11.3	11.1	1.7	1.8	1.8	8.5	8.6	8.5	10.7	10.8	10.9	8	
4.0	4.2	4.2	17.6	18.7	18.6	3.9	4.0	4.1	12.4	12.4	12.5	12.3	13.4	13.6	9	
92.6	96.3	97.0	402.7	427.0	425.0	83.1	88.5	89.0	319.7	333.0	334.9	298.2	293.1	297.4	10	
5.6	(*)	(*)	16.0	(*)	(*)	2.1	(*)	(*)	11.8	(*)	(*)	11.8	(*)	(*)	11	
59.7	62.7	63.5	245.0	257.6	254.7	61.9	65.9	66.3	204.4	213.9	215.9	155.9	153.0	155.8	12	
36.9	38.2	38.9	151.3	160.3	160.3	30.2	32.0	32.0	110.5	116.4	116.8	172.3	187.7	188.3	13	
8.6	8.7	8.8	32.4	35.0	35.2	10.3	11.0	11.0	25.3	26.8	26.9	30.4	31.9	32.0	14	
131.9	135.7	136.6	440.9	457.1	453.1	100.0	102.2	102.2	338.0	345.0	346.3	340.8	341.6	340.4	15	
52.5	53.1	53.4	154.4	155.3	154.4	40.4	42.0	41.5	115.2	119.9	119.9	94.7	92.4	93.6	16	
2.2	2.2	2.1	8.9	9.0	9.0	1.9	1.9	1.9	6.2	6.1	6.1	6.1	5.9	6.0	17	
65.6	69.3	69.4	215.3	218.2	216.3	51.9	52.7	52.9	185.5	190.2	191.2	138.9	137.2	133.3	18	
6.1	6.3	6.3	21.6	22.4	22.4	3.2	3.3	3.3	15.8	15.8	16.0	11.3	11.6	12.0	19	
20.3	21.5	21.5	65.4	70.3	70.1	11.6	12.2	12.6	49.1	51.5	51.4	71.7	68.3	67.6	20	
3.9	4.1	4.1	14.4	15.5	15.5	2.1	2.2	2.2	8.6	8.9	8.9	8.0	7.2	7.3	21	
1.8	1.9	1.9	9.3	9.7	9.7	2.0	2.0	2.0	6.3	6.5	6.6	6.2	6.1	6.1	22	
41.6	44.0	44.1	151.9	152.8	151.8	38.3	39.7	39.8	105.5	107.1	108.3	130.1	126.1	128.9	23	
6.4	6.6	6.4	20.9	21.6	21.7	6.9	6.9	7.0	15.9	16.9	17.2	28.2	26.4	28.2	24	
21.8	23.1	23.1	64.3	66.5	66.3	22.3	23.3	23.5	52.5	53.4	54.4	41.6	39.6	40.3	25	
19.5	22.7	22.9	63.8	72.4	72.5	13.5	15.3	15.4	131.8	150.7	152.0	51.3	52.1	53.5	26	
11.1	12.9	13.0	35.8	41.3	41.6	7.3	8.3	8.3	82.0	87.6	88.1	22.7	23.5	24.0	27	
6.2	7.4	7.4	20.2	21.9	21.8	5.1	5.7	5.7	32.6	41.1	41.8	14.6	14.5	15.1	28	
12.5	13.5	13.6	73.7	81.3	80.5	16.5	17.8	17.8	61.4	64.9	65.2	56.3	55.9	57.4	29	
4.3	4.7	4.7	17.6	17.7	17.5	5.0	5.3	5.3	12.5	13.0	13.0	7.9	8.2	8.3	30	
1.6	1.6	1.6	10.1	11.0	11.0	1.6	1.8	1.8	7.4	7.6	7.7	5.7	5.6	5.7	31	
184.2	188.7	190.1	625.9	665.4	656.2	143.5	148.4	148.5	514.4	542.6	541.7	514.5	512.9	518.4	32	
3.4	3.5	3.5	16.1	17.7	17.0	3.7	4.3	4.4	12.8	17.4	17.3	14.9	15.7	15.8	33	
16.0	15.1	15.1	79.3	84.1	82.7	14.9	15.2	15.1	60.3	63.9	64.5	60.4	63.7	64.3	34	
19.5	20.5	20.5	108.9	112.8	111.8	14.7	15.3	15.3	65.6	75.0	74.6	43.5	43.1	43.2	35	
27.0	26.6	27.0	43.2	45.5	45.9	8.4	8.5	8.5	29.8	29.4	29.5	45.5	45.7	45.2	36	
6.1	6.2	6.2	36.8	39.7	39.9	6.8	7.1	7.1	34.1	35.2	35.4	32.9	32.2	32.9	37	
18.9	20.5	20.7	58.0	66.4	65.3	8.9	9.5	9.5	34.6	37.2	37.2	46.1	44.9	45.6	38	
68.8	70.3	71.4	170.1	177.4	174.6	59.8	61.4	60.9	172.9	181.9	181.6	146.1	146.9	148.9	39	
7.1	7.4	7.6	40.8	42.8	42.2	9.2	9.4	9.5	28.9	32.2	32.4	27.6	29.5	30.0	40	
5.7	5.9	5.9	24.4	25.6	25.2	6.2	6.7	6.7	36.3	37.6	38.2	44.3	45.7	46.7	41	
3.1	3.0	3.0	8.8	9.5	9.4	2.8	2.4	2.4	8.2	8.7	8.7	11.7	12.4	12.4	42	
25.5	27.9	27.9	96.2	103.1	102.0	19.0	20.5	20.6	82.2	83.5	84.1	115.4	118.0	120.8	43	
9.7	11.0	11.1	43.3	46.1	45.7	9.8	10.5	10.7	38.4	40.3	40.6	39.4	40.8	41.6	44	
421.0	426.4	425.5	1,394.0	1,432.7	1,417.4	574.5	586.1	583.8	1,517.8	1,570.1	1,583.9	1,289.0	1,290.6	1,298.3	45	
15.2	15.2	15.1	64.1	66.7	66.3	14.5	14.9	14.9	63.4	64.7	65.1	95.7	93.9	96.0	46	
4.5	4.7	4.7	20.5	22.1	21.8	3.6	3.6	3.5	16.4	17.4	17.6	23.4	22.8	23.5	47	
26.9	28.2	27.7	110.7	114.6	113.4	21.0	21.5	21.4	92.2	91.9	93.0	86.4	88.6	88.7	48	
1.4	1.4	1.4	8.0	8.2	8.1	1.0	1.0	1.0	6.4	6.6	6.8	6.8	7.0	7.1	49	
9.9	10.0	9.9	59.9	62.3	61.3	13.9	14.6	14.6	61.9	62.3	63.3	39.7	39.6	40.4	50	
36.1	37.0	37.1	211.9	224.8	221.3	46.2	47.5	47.6	173.2	180.5	180.9	175.6	177.9	179.5	51	
(*)	455.7	(*)	1,370.2	(*)	(*)	589.3	(*)	(*)	(*)	1,449.2	(*)	(*)	1,068.2	(*)	(*)	52
312.1	316.0	315.3	910.1	937.3	927.3	476.1	484.6	482.7	1,068.6	1,106.0	1,109.1	753.3	759.8	760.2	53	
276.0	278.9	278.2	698.2	712.5	706.0	429.9	437.1	435.1	895.5	925.7	928.4	577.7	582.0	580.7	54	
254.5	257.2	256.6	604.4	613.9	608.4	411.0	417.7	415.8	800.0	827.9	831.1	500.5	504.3	502.6	55	
2.9	3.0	3.0	14.8	15.5	15.4	2.5	2.5	2.5	15.7	16.0	16.7	21.6	21.4	22.0	56	
12.8	12.8	12.8	75.5	78.3	77.1	15.4	16.2	16.2	72.3	72.8	74.1	60.7	60.0	60.9	57	
3.4	3.4	3.4	15.7	16.8	16.6	2.3	2.4	2.4	15.7	16.3	16.3	20.3	21.0	20.9	58	
14.1	14.3	14.3	54.8	57.2	56.2	14.6	15.2	15.1	50.0	49.7	51.7	48.1	48.3	49.0	59	
3.9	4.0	3.9	20.5	21.7	21.4	5.2	5.4	5.4	19.0	18.8	19.4	29.8	29.5	29.5	60	
17.4	17.7	17.6	75.1	78.7	77.7	16.2	16.5	16.5	77.4	79.4	78.9	53.6	53.2	53.7	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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
NORTH CAROLINA	2,223.2	2,279.5	2,283.4	4.6	4.8	4.8	103.0	106.1	105.3	793.5	810.5	810.0
Asheville	65.4	66.9	66.7	(1)	(1)	(1)	3.0	3.3	3.2	21.3	21.6	21.4
Charlotte—Gastonia	301.9	310.7	311.5	(1)	(1)	(1)	14.5	15.3	15.5	86.6	87.3	87.7
Greensboro—Winston-Salem—High Pt	366.1	374.5	374.9	(1)	(1)	(1)	15.4	15.6	15.3	144.3	146.6	146.9
Raleigh—Durham	241.1	250.1	250.8	(1)	(1)	(1)	11.0	12.3	12.2	38.0	40.2	40.1
NORTH DAKOTA ²	218.8	230.8	231.2	3.5	4.9	5.0	12.8	15.9	15.1	15.4	16.0	16.2
Fargo—Moorhead ²	58.8	60.8	61.4	(3)	(3)	(3)	3.4	3.5	3.8	5.3	5.2	5.1
OHIO	4,200.2	4,388.6	4,385.9	17.6	31.3	31.2	134.2	153.4	149.1	1,352.9	1,400.6	1,398.9
Akron	258.1	263.8	263.2	.3	.3	.3	6.3	7.1	6.9	85.4	85.7	85.2
Canton	148.4	155.1	154.8	1.0	1.1	1.1	4.7	5.7	5.5	55.6	58.0	57.9
Cincinnati	564.5	597.3	597.9	.3	.4	.4	20.3	23.1	22.6	163.8	173.7	173.3
Cleveland	877.3	909.3	908.7	1.5	1.4	1.4	25.9	28.6	27.9	273.5	284.0	283.4
Columbus	474.2	497.1	496.7	.8	.8	.8	15.3	17.6	17.5	99.9	102.4	102.0
Dayton	345.1	360.2	360.3	.4	.5	.4	10.1	11.8	11.6	110.7	114.7	114.5
Toledo	290.8	302.4	303.0	.5	.6	.6	9.1	10.3	10.0	89.3	92.2	92.4
Youngstown—Warren	202.2	211.0	210.1	.4	.5	.5	6.0	7.3	6.9	77.9	80.6	79.9
OKLAHOMA	985.4	1,034.1	1,038.3	51.3	56.5	56.7	45.7	49.0	49.2	165.1	175.3	175.7
Oklahoma City	343.4	369.6	370.3	11.6	13.5	13.5	14.9	18.3	18.0	45.7	49.3	48.8
Tulsa	257.1	272.0	273.2	16.9	17.4	17.5	12.5	13.6	13.9	52.1	57.6	58.8
OREGON	963.5	1,004.8	1,013.5	1.9	1.7	1.7	41.7	46.6	48.4	206.9	214.1	216.5
Eugene—Springfield	99.0	102.1	102.3	(1)	(1)	(1)	4.8	4.8	5.2	19.9	19.9	19.9
Jackson County	-	-	-	-	-	-	-	-	-	7.7	7.5	7.4
Portland	508.0	529.4	531.9	(1)	(1)	(1)	23.2	24.8	25.7	103.7	108.2	108.8
Salem	81.7	85.1	85.9	(1)	(1)	(1)	4.3	4.3	4.2	11.9	12.4	13.2
PENNSYLVANIA	4,512.4	4,634.7	4,619.7	23.1	52.7	51.9	151.2	166.1	149.3	1,336.1	1,364.2	1,365.6
Allentown—Bethlehem—Easton	251.1	257.9	256.9	(1)	(1)	(1)	7.9	7.9	7.3	107.8	109.5	109.5
Altoona	50.1	51.1	50.8	(1)	(1)	(1)	1.9	2.0	2.0	12.6	12.8	12.8
Delaware Valley ¹²	1,516.5	1,538.4	1,536.4	(1)	(1)	(1)	44.8	49.8	45.7	375.2	378.3	379.7
Erie	111.8	114.7	114.7	(1)	(1)	(1)	2.8	3.7	3.2	43.4	44.3	44.6
Harrisburg	208.3	212.9	210.8	(1)	(1)	(1)	7.5	7.7	6.9	40.5	42.4	42.1
Johnstown	77.1	86.6	86.5	2.6	9.1	9.3	2.2	2.3	2.1	19.4	20.2	20.1
Lancaster	142.6	147.8	147.0	(1)	(1)	(1)	6.6	7.8	7.3	57.7	59.6	59.8
Northeast Pennsylvania	231.2	235.6	236.4	1.0	1.1	1.1	10.8	11.2	10.4	70.7	71.0	71.7
Philadelphia SMSA ¹³	1,824.2	1,862.4	1,852.3	(1)	(1)	(1)	54.6	61.5	56.8	442.3	448.7	449.9
Philadelphia City ¹⁴	785.5	788.4	787.2	(1)	(1)	(1)	14.3	15.4	14.5	150.5	148.7	147.8
Pittsburgh	891.9	925.0	920.6	3.5	11.6	11.3	37.0	40.1	36.2	245.7	252.8	253.2
Reading	130.8	137.7	137.4	(1)	(1)	(1)	4.2	4.7	4.4	52.2	54.4	54.3
Scranton ¹⁵	82.5	85.3	85.4	(1)	(1)	(1)	1.9	1.7	1.4	27.2	28.2	28.6
Wilkes-Barre—Hazleton	121.9	122.9	122.6	1.0	1.1	1.0	7.9	8.4	7.9	39.2	38.0	38.4
Williamsport	47.2	49.3	49.4	(1)	(1)	(1)	1.4	1.6	1.5	17.5	18.2	18.3
York	145.2	151.2	148.3	(1)	(1)	(1)	5.5	6.5	5.8	61.9	65.8	63.8
RHODE ISLAND	372.8	389.2	390.0	(1)	(1)	(1)	9.6	12.2	10.9	127.2	133.1	134.6
Providence—Warwick—Pawtucket	384.5	400.6	401.4	(1)	(1)	(1)	9.8	12.3	11.0	142.8	149.2	150.7
SOUTH CAROLINA	1,104.5	1,139.0	1,142.6	1.8	1.9	1.9	65.2	63.3	63.7	386.2	393.2	391.6
Charleston—North Charleston	135.1	142.4	142.6	(1)	(1)	(1)	10.9	11.1	11.1	18.6	19.4	19.4
Columbia	166.3	172.3	173.1	(1)	(1)	(1)	8.2	8.1	8.0	25.1	26.5	25.9
Greenville—Spartanburg	247.7	257.3	256.6	(1)	(1)	(1)	13.5	15.2	15.0	103.1	105.6	105.0
SOUTH DAKOTA	222.2	229.7	231.6	2.6	2.7	2.7	9.6	10.2	9.7	23.5	25.2	26.0
Rapid City	26.4	27.5	26.9	(3)	(3)	(3)	2.1	2.4	2.3	2.5	2.7	2.6
Sioux Falls	50.9	53.7	53.6	(3)	(3)	(3)	2.7	2.9	2.7	7.1	7.4	7.4
TENNESSEE	1,653.7	1,716.3	1,715.8	9.6	9.7	9.3	68.4	83.8	84.1	515.4	523.3	521.5
Chattanooga	165.7	167.9	168.1	1.3	1.3	1.2	6.6	6.7	6.8	56.2	55.4	55.3
Knoxville	187.5	198.2	197.7	1.6	1.6	1.6	10.2	12.3	12.4	52.8	54.0	54.0
Memphis	342.7	349.7	350.3	.1	.1	.1	12.7	12.8	13.2	61.7	63.5	63.3
Nashville—Davidson	339.1	355.0	(*)	(1)	(1)	(*)	15.7	20.5	(*)	81.4	81.8	(*)
TEXAS	5,067.0	5,366.4	5,386.7	173.0	188.5	188.0	344.7	376.2	383.3	929.2	980.1	985.3
Amarillo	69.1	71.6	72.2	(1)	(1)	(1)	4.0	4.8	4.8	8.3	9.0	9.2
Austin	211.1	219.6	225.1	(1)	(1)	(1)	11.6	13.1	13.5	24.0	26.9	27.1
Beaumont—Port Arthur—Orange	144.0	142.0	141.8	(1)	(1)	(1)	14.4	14.6	14.7	40.9	38.8	38.3
Corpus Christi	108.5	111.7	112.6	4.9	5.0	5.0	9.8	11.9	11.9	13.8	13.8	13.8
Dallas-Fort Worth	1,233.7	1,312.3	1,321.1	17.3	20.4	20.3	56.7	67.1	67.6	277.9	294.7	297.4
El Paso	145.8	152.1	152.7	(1)	(1)	(1)	8.7	8.6	8.8	29.9	30.6	30.9
Galveston—Texas City	63.8	66.8	66.6	(1)	(1)	(1)	4.4	4.6	4.6	11.5	12.1	11.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	
104.6	108.1	109.0	426.9	443.4	440.0	85.4	85.5	85.8	304.0	313.9	316.6	401.2	407.2	411.9	1
3.4	3.5	3.5	13.2	13.7	13.6	2.2	2.3	2.3	11.4	11.3	11.5	10.9	11.2	11.2	2
28.0	28.7	28.9	73.8	77.6	76.8	19.5	19.8	19.8	43.8	45.2	45.8	35.7	36.8	37.0	3
19.6	20.4	20.7	73.4	76.3	75.5	16.8	17.2	17.2	51.7	53.0	53.6	44.9	45.4	45.7	4
11.5	12.6	12.6	46.9	48.7	48.2	14.2	14.4	14.4	49.6	52.1	52.8	69.9	69.8	70.5	5
13.9	15.0	15.1	60.1	63.9	63.6	10.1	10.6	10.6	43.8	45.6	46.0	59.2	58.9	59.6	6
3.7	4.1	4.1	17.8	18.7	18.5	3.4	3.7	3.7	12.7	13.2	13.5	12.5	12.4	12.7	7
215.2	228.3	228.7	900.3	952.1	939.3	185.1	194.1	194.5	733.6	771.8	780.6	661.1	657.0	663.7	8
14.1	14.4	14.6	55.3	58.8	58.0	9.0	9.3	9.3	44.7	45.6	46.3	43.1	42.6	42.6	9
7.1	7.2	7.2	31.1	33.4	32.9	5.5	5.6	5.6	25.9	27.2	27.6	17.5	17.0	17.0	10
34.3	34.0	34.3	130.2	138.0	136.3	29.7	30.7	30.8	106.3	114.1	115.8	82.5	83.4	84.5	11
44.9	47.4	46.9	198.3	209.6	207.1	44.6	45.5	45.6	169.4	179.8	181.9	119.3	113.0	114.5	12
23.6	26.4	26.2	111.8	119.4	117.6	32.6	35.0	35.2	90.7	96.0	96.9	99.5	99.9	100.5	13
12.1	13.2	13.2	70.4	75.2	74.1	12.0	12.7	12.7	64.1	66.6	67.8	65.1	65.7	65.9	14
19.0	20.8	20.9	64.2	67.6	66.7	9.8	10.2	10.2	53.3	55.3	55.7	45.4	45.4	46.6	15
9.8	10.1	10.1	42.8	45.5	45.0	6.6	6.7	6.6	33.0	34.7	34.9	25.7	25.8	26.3	16
59.5	61.7	62.6	234.0	246.4	244.5	48.8	51.2	51.2	162.5	173.8	174.1	218.5	220.2	224.3	17
20.9	21.9	22.2	84.5	90.7	90.2	21.7	23.3	23.2	59.0	63.8	64.4	85.1	88.8	90.0	18
20.1	20.4	20.5	64.1	66.0	65.4	13.2	13.8	13.9	50.0	53.2	53.4	28.2	29.9	29.8	19
53.7	58.5	58.6	231.7	247.4	246.9	60.5	65.5	65.9	169.3	171.6	172.5	197.8	199.4	203.0	20
4.9	5.3	5.3	24.3	25.4	25.2	4.8	5.1	5.1	17.7	18.2	18.0	22.6	23.4	23.6	21
32.4	34.7	34.7	128.9	136.6	135.2	39.2	41.6	41.8	100.1	100.7	102.1	80.5	82.8	83.6	22
3.1	3.3	3.3	17.2	18.3	18.0	5.1	5.4	5.4	13.3	14.2	14.2	26.8	27.2	27.6	23
258.8	266.0	265.9	936.4	968.7	950.4	220.2	230.8	232.6	860.9	885.4	893.6	725.7	700.8	710.4	24
13.0	13.5	13.5	47.3	49.2	48.7	8.1	8.3	8.4	37.0	39.2	39.2	30.0	30.3	30.3	25
8.1	8.0	8.0	11.2	11.6	11.4	1.3	1.3	1.3	7.9	8.2	8.3	7.1	7.2	7.0	26
82.8	82.9	82.7	323.3	329.7	320.3	101.6	105.2	106.0	348.2	361.0	367.5	240.6	231.5	234.5	27
5.1	5.2	5.3	21.6	23.0	22.8	4.4	4.4	4.4	19.3	19.5	19.6	15.2	14.6	14.8	28
15.5	15.6	15.6	43.5	45.0	44.0	11.6	12.2	12.2	33.6	34.2	34.2	56.1	55.8	55.8	29
5.2	4.9	5.0	15.9	16.6	16.3	3.4	3.6	3.7	14.7	15.0	15.1	13.7	14.9	14.9	30
6.2	6.1	6.1	31.3	33.7	33.1	5.0	5.2	5.2	20.0	20.4	20.2	15.8	15.0	15.3	31
12.5	13.1	13.2	49.1	52.2	51.7	8.8	9.4	9.5	39.3	39.8	39.9	39.0	37.8	38.9	32
98.8	98.0	97.8	402.6	413.7	403.1	116.5	120.4	121.1	408.4	424.8	432.0	301.0	295.3	291.6	33
56.1	55.7	55.5	150.3	154.3	149.2	66.9	69.2	69.6	199.4	202.3	206.6	148.0	142.8	144.0	34
56.5	57.5	57.5	196.0	208.1	206.2	42.2	43.7	43.6	191.9	193.5	194.7	119.1	117.7	117.9	35
6.3	6.4	6.4	25.8	27.5	27.0	5.4	5.8	5.8	20.2	22.1	22.2	16.7	16.8	17.3	36
4.3	4.5	4.6	18.4	19.9	19.8	3.2	3.4	3.4	15.6	16.1	15.9	11.9	11.5	11.7	37
6.4	6.8	6.8	26.1	27.3	26.8	4.7	5.2	5.2	17.2	17.3	17.4	19.4	18.8	19.1	38
2.4	2.5	2.5	9.3	10.4	10.4	1.9	2.0	2.0	7.4	7.6	7.6	7.3	7.0	7.1	39
6.7	6.6	6.6	29.9	31.0	30.8	3.6	3.9	3.9	18.7	19.0	19.1	18.9	18.4	18.3	40
12.7	13.1	13.2	74.3	77.5	76.6	19.2	19.8	19.9	70.6	73.2	74.4	59.2	60.3	60.4	41
12.7	13.0	13.2	76.0	78.8	77.8	19.4	20.0	20.1	67.5	70.1	71.3	56.3	57.2	57.3	42
46.2	50.5	50.7	199.8	213.1	211.8	42.2	44.3	44.5	137.2	146.0	147.7	225.9	226.7	230.7	43
8.0	8.7	8.6	28.4	30.7	30.6	5.4	5.9	5.9	20.0	22.1	22.2	43.8	44.5	44.8	44
8.3	8.8	8.8	35.2	38.1	37.9	12.5	13.1	13.2	25.0	25.6	26.0	52.0	52.1	53.3	45
9.6	10.2	10.2	47.4	50.3	50.1	8.5	8.6	8.6	31.8	33.3	33.5	33.8	34.1	34.2	46
12.9	13.5	13.7	60.3	62.0	63.1	10.4	11.3	11.2	45.7	47.4	47.5	57.2	57.4	57.7	47
1.8	1.8	1.8	7.6	7.6	7.6	1.4	1.4	1.3	5.4	5.9	5.6	5.6	5.7	5.7	48
4.6	5.1	5.1	15.4	15.3	15.2	3.2	3.0	3.0	11.2	13.2	13.4	6.7	6.8	6.8	49
78.7	82.0	82.2	356.5	375.5	373.0	71.5	72.6	72.9	255.5	261.2	262.3	298.1	308.2	310.5	50
6.6	6.6	6.6	30.2	30.9	31.0	9.0	9.5	9.6	25.6	26.0	25.9	30.2	31.5	31.7	51
7.3	7.8	7.8	39.3	42.3	41.8	7.5	8.0	8.0	28.0	30.1	30.0	40.8	42.1	42.1	52
24.5	25.4	25.4	91.5	94.4	93.8	18.7	18.7	18.7	65.8	67.8	67.7	67.7	67.0	68.1	53
18.1	19.2	(*)	76.5	81.9	(*)	21.4	22.2	(*)	63.3	65.4	(*)	62.7	64.0	(*)	54
317.0	342.0	343.0	1,233.6	1,314.2	1,306.1	283.6	301.6	302.9	862.4	906.1	910.1	923.5	957.7	968.0	55
6.6	6.7	6.8	21.2	21.5	21.6	3.5	3.6	3.6	13.5	14.0	14.0	12.0	12.0	12.2	56
6.4	6.4	6.5	43.2	45.0	45.0	12.2	13.0	13.4	34.9	36.1	36.5	78.8	79.1	83.1	57
10.7	10.8	11.1	30.9	30.8	30.8	5.2	5.3	5.4	23.2	23.5	23.2	18.7	18.2	18.3	58
6.5	6.4	6.5	25.8	26.2	26.4	5.1	5.3	5.3	17.0	17.6	17.9	25.6	25.5	25.8	59
79.2	84.8	85.9	325.6	348.1	345.3	91.3	96.4	96.9	214.0	228.1	230.9	171.7	172.7	176.8	60
9.9	10.4	10.4	36.3	37.6	37.4	6.7	7.1	7.0	23.8	25.1	25.0	30.5	32.7	33.2	61
5.9	6.7	6.7	12.0	12.4	12.1	4.2	4.5	4.5	9.9	10.2	10.3	15.9	16.6	16.6	62

**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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
TEXAS—Continued												
1 Houston	1,219.4	1,288.9	1,289.2	60.1	62.0	62.0	126.0	135.8	135.7	203.6	213.6	213.6
2 Lubbock	84.9	88.5	88.4	(1)	(1)	(1)	4.4	5.3	5.4	12.4	12.1	12.1
3 San Antonio	355.5	365.9	367.3	1.9	1.9	1.8	22.2	22.6	23.3	45.0	46.9	47.2
4 Waco	64.1	66.6	66.9	(1)	(1)	(1)	3.1	3.3	3.3	15.1	16.0	16.2
5 Wichita Falls	48.5	49.4	49.6	2.6	2.6	2.6	2.1	2.4	2.4	8.8	9.1	9.2
6 UTAH	501.8	539.8	541.8	13.6	16.9	16.9	29.5	32.0	31.5	75.5	82.7	83.2
7 Salt Lake City—Ogden	358.6	380.9	381.0	6.7	7.3	7.3	20.3	21.6	21.2	51.0	56.0	55.6
8 VERMONT	182.7	192.3	193.4	.7	.8	.7	6.7	8.1	7.4	44.8	48.6	48.7
9 Burlington ¹²	48.1	50.9	51.8	-	-	-	-	-	-	11.5	13.0	13.0
10 Springfield ¹⁷	13.6	14.3	14.3	-	-	-	-	-	-	5.6	6.0	6.0
11 VIRGINIA	1,934.6	2,055.7	2,030.4	12.4	25.1	25.4	105.8	120.9	112.4	403.7	408.9	400.1
12 Bristol	25.5	27.3	27.2	(1)	(1)	(1)	.9	1.3	1.3	9.3	9.9	9.9
13 Lynchburg	66.6	68.9	68.6	(1)	(1)	(1)	2.6	3.0	2.7	28.9	29.3	29.4
14 Newport News—Hampton ¹⁴	138.1	139.3	131.7	(1)	(1)	(1)	6.0	7.4	7.2	34.7	32.5	25.0
15 Norfolk—Virginia Beach—Portsmouth	263.6	277.3	274.4	(1)	(1)	(1)	15.7	18.4	16.5	27.7	29.1	29.2
16 Northern Virginia ¹⁵	386.6	407.9	403.5	.3	.4	.4	22.7	25.0	22.8	14.8	15.9	15.9
17 Petersburg-Colonial Heights-Hopewell	45.3	47.5	47.1	(1)	(1)	(1)	2.4	2.5	2.4	12.2	11.9	11.8
18 Richmond	301.6	318.8	315.4	.4	.3	.3	16.7	17.9	16.8	53.0	54.7	54.0
19 Roanoke	99.3	102.7	102.1	.1	.1	.1	4.7	5.1	4.8	20.9	20.8	20.9
20 WASHINGTON	1,384.0	(*)	(*)	2.1	(*)	(*)	74.6	(*)	(*)	275.4	(*)	(*)
21 Seattle—Everett	654.4	(*)	(*)	(1)	(*)	(*)	32.2	(*)	(*)	135.7	(*)	(*)
22 Spokane	115.1	(*)	(*)	(1)	(*)	(*)	6.1	(*)	(*)	15.7	(*)	(*)
23 Tacoma	125.9	(*)	(*)	(1)	(*)	(*)	6.1	(*)	(*)	21.4	(*)	(*)
24 WEST VIRGINIA	547.0	624.7	618.2	14.1	71.9	70.8	35.6	35.8	31.0	122.1	124.1	123.6
25 Charleston	102.7	109.7	109.0	1.8	6.8	6.8	5.5	6.1	5.7	19.5	19.6	19.5
26 Huntington—Ashland	99.1	103.2	102.9	.7	1.0	1.0	6.0	5.8	5.6	28.5	29.3	29.3
27 Parkersburg—Marietta	55.2	56.9	56.8	.5	.5	.5	2.9	3.8	3.6	17.8	18.1	18.1
28 Wheeling	57.3	65.0	64.6	1.0	7.2	7.2	2.9	3.3	3.0	13.4	13.2	13.3
29 WISCONSIN	1,806.6	1,866.6	1,885.3	2.1	2.1	2.2	68.2	71.3	72.9	543.1	558.6	564.1
30 Appleton—Oshkosh	116.9	121.2	122.2	(1)	(1)	(1)	5.2	6.1	6.1	46.1	47.9	48.2
31 East Claire	43.5	42.7	43.8	(1)	(1)	(1)	1.5	1.3	1.4	9.0	8.6	8.4
32 Green Bay	72.9	74.1	74.1	(1)	(1)	(1)	3.4	2.9	3.0	20.3	20.7	20.6
33 Kenosha	35.9	37.6	43.8	(1)	(1)	(1)	1.2	1.3	1.3	11.5	12.8	18.4
34 La Crosse	40.4	40.8	44.1	(1)	(1)	(1)	1.5	1.7	1.8	10.1	10.6	10.6
35 Madison	155.6	156.1	159.4	(1)	(1)	(1)	6.5	6.1	6.2	19.2	18.6	18.6
36 Milwaukee	635.0	655.6	657.3	(1)	(1)	(1)	21.0	21.6	21.9	204.4	211.0	211.0
37 Racine	67.9	69.0	69.3	(1)	(1)	(1)	2.1	2.0	2.0	30.0	30.8	31.0
38 WYOMING	171.2	190.9	193.0	27.5	30.3	30.6	16.4	19.5	19.9	8.8	9.9	9.9
39 Casper	33.3	39.3	39.9	6.6	8.5	8.6	2.8	4.0	4.2	1.6	1.7	1.7
40 Cheyenne	25.0	25.9	25.8	(1)	(1)	(1)	1.7	2.0	2.0	1.7	1.5	1.4

¹ Combined with services.
² Revised to 1978 benchmark; not strictly comparable with previously published data.
³ Combined with construction.
⁴ Illinois portion revised to 1977 benchmark; Indiana portion, 1978. Not strictly comparable with previously published data.
⁵ Area included in Chicago-Gary Standard Consolidated Statistical Area.
⁶ Revised to 1977 benchmark; not strictly comparable with previously published data.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
⁸ Subarea of New York-Northeastern New Jersey.
⁹ Subarea of Rochester Standard Metropolitan Statistical Area.
¹⁰ Area included in New York and Nassau-Suffolk combined SMSA's.
¹¹ Subarea of New York Standard Metropolitan Statistical Area.
¹² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
¹³ Revised; not strictly comparable with previously published data.

¹⁴ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.
¹⁵ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.
¹⁶ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
¹⁷ Total includes data for industry divisions not shown separately.
¹⁸ Area definition expanded to include Gloucester County; not comparable with previously published data.
¹⁹ 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**

3-8. 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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	
89.0	95.8	95.6	290.3	310.0	309.5	71.7	76.9	77.0	237.2	250.5	251.1	141.5	144.3	144.7	1
5.0	5.2	5.1	24.8	26.3	25.5	4.2	4.5	4.5	15.0	15.8	15.8	19.1	19.3	20.0	2
14.9	16.2	16.2	88.8	92.6	92.3	23.2	24.3	24.4	67.0	68.5	69.0	92.5	92.9	93.1	3
3.1	3.2	3.2	14.6	15.8	15.7	3.6	3.7	3.8	13.2	13.6	13.6	11.4	11.0	11.1	4
2.4	2.4	2.4	12.0	12.2	12.2	2.1	2.2	2.2	7.2	7.4	7.5	11.3	11.1	11.1	5
29.8	32.7	32.5	120.8	130.9	130.3	23.3	25.0	25.3	88.6	95.0	96.7	120.7	124.5	125.5	6
23.8	26.1	25.8	90.3	96.9	95.7	19.0	20.2	20.5	60.1	64.4	65.6	87.4	88.4	89.4	7
8.4	8.6	8.7	36.9	39.9	40.2	7.2	7.4	7.4	42.3	44.1	44.2	35.7	34.8	36.1	8
2.1	2.1	2.1	10.1	10.9	11.1	-	-	-	10.0	10.6	10.8	-	-	-	9
.7	.7	.7	2.0	2.1	2.1	-	-	-	2.8	3.0	3.1	-	-	-	10
103.8	111.1	110.3	405.5	437.1	429.8	92.3	98.0	98.0	337.0	358.9	359.9	474.1	495.7	494.5	11
.9	1.0	1.0	5.8	6.3	6.3	.8	.9	.9	3.1	3.2	3.3	4.7	4.7	4.5	12
2.5	2.5	2.5	10.9	11.4	11.2	2.9	3.1	3.1	9.5	9.8	9.9	9.3	9.8	9.8	13
4.1	4.7	4.7	25.4	25.9	25.8	4.4	4.6	4.6	23.7	24.8	24.9	39.8	39.4	39.5	14
17.2	18.1	17.6	63.1	67.6	67.1	13.5	13.9	14.0	47.7	49.4	49.5	78.7	80.8	80.5	15
26.1	27.2	27.1	92.2	99.1	96.9	24.0	25.1	25.2	93.8	98.8	99.3	112.7	116.4	115.9	16
1.3	1.5	1.5	8.2	9.0	8.8	1.2	1.3	1.3	5.5	5.9	5.9	14.5	15.4	15.4	17
18.2	19.5	19.5	70.1	74.5	73.2	23.4	25.0	25.0	51.1	54.2	53.7	68.7	72.7	72.9	18
9.2	9.9	10.0	24.7	25.7	25.4	5.6	5.9	5.9	18.4	18.8	18.7	15.7	16.4	16.3	19
78.1	(*)	(*)	332.0	(*)	(*)	78.5	(*)	(*)	255.5	(*)	(*)	287.8	(*)	(*)	20
44.3	(*)	(*)	159.0	(*)	(*)	46.1	(*)	(*)	124.4	(*)	(*)	112.7	(*)	(*)	21
7.6	(*)	(*)	31.2	(*)	(*)	7.6	(*)	(*)	25.8	(*)	(*)	21.1	(*)	(*)	22
5.8	(*)	(*)	29.3	(*)	(*)	6.3	(*)	(*)	26.3	(*)	(*)	30.7	(*)	(*)	23
33.0	41.9	42.1	124.2	127.8	127.6	20.3	20.7	20.7	83.5	87.9	88.3	114.1	114.5	114.3	24
8.8	9.5	9.5	25.2	25.8	25.7	4.8	4.9	4.9	18.3	18.5	18.5	18.9	18.7	18.4	25
7.1	9.6	9.5	22.3	23.1	23.0	3.6	3.7	3.7	13.9	14.1	14.0	16.9	16.7	16.7	26
2.3	2.5	2.5	11.9	12.2	12.2	1.8	1.9	1.9	8.3	8.5	8.4	9.8	9.4	9.6	27
3.5	3.7	3.7	14.2	14.9	14.9	2.4	2.4	2.4	12.7	12.5	12.7	7.4	7.8	7.4	28
84.3	87.1	87.4	402.5	430.4	428.5	82.8	87.3	87.3	324.7	338.5	342.2	298.9	291.3	300.7	29
4.1	4.2	4.2	23.3	24.7	24.8	4.6	4.9	4.9	18.2	18.8	18.9	15.4	14.8	15.3	30
2.5	2.5	2.5	10.9	11.7	11.7	1.4	1.4	1.4	8.8	9.1	9.2	9.3	8.1	9.1	31
5.0	5.2	5.2	18.0	19.3	19.0	2.5	2.6	2.6	13.3	13.2	13.3	10.4	10.2	10.4	32
1.5	1.5	1.6	7.6	8.0	7.9	.9	.9	.9	7.3	7.7	7.9	5.9	5.4	5.8	33
2.3	2.4	2.3	10.6	11.0	11.2	1.0	.9	.9	8.4	8.6	8.6	6.5	5.5	5.6	34
5.6	5.7	5.8	33.6	35.0	35.0	11.1	11.9	12.0	26.5	27.6	27.9	53.0	51.3	53.9	35
31.9	32.8	33.0	139.9	148.9	147.5	34.9	35.9	36.0	126.6	131.3	133.4	76.3	74.1	74.5	36
2.4	2.4	2.4	12.2	12.6	12.5	2.0	2.2	2.2	10.6	10.6	10.8	8.7	8.4	8.5	37
13.6	15.4	15.7	38.0	44.2	44.5	6.1	6.7	6.7	24.4	25.7	25.9	36.4	39.2	39.8	38
2.3	2.7	2.7	8.9	11.2	11.2	1.4	1.4	1.4	5.1	5.5	5.7	4.6	4.3	4.4	39
3.2	3.7	3.7	5.9	6.8	6.8	1.4	1.5	1.5	4.0	3.5	3.5	7.1	6.9	6.9	40

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. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^D	Mar. 1979 ^D	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^D	Mar. 1979 ^D
-	TOTAL PRIVATE	\$193.80	\$197.62	\$209.79	\$212.05	\$214.31	\$5.49	\$5.52	\$5.96	\$5.99	\$6.02
-	MINING	297.30	301.63	347.68	349.38	348.89	6.93	6.95	8.20	8.24	8.19
10	METAL MINING	320.25	321.50	364.00	369.93	-	7.83	7.88	8.75	8.85	-
101	Iron ores	335.86	344.86	378.16	392.64	-	7.94	8.02	8.94	9.11	-
102	Copper ores	313.95	318.63	381.60	389.58	-	8.05	8.17	9.00	9.06	-
11, 12	COAL MINING	303.24	307.13	407.22	400.49	-	7.98	8.04	9.86	9.84	-
12	BITUMINOUS COAL AND LIGNITE MINING	305.10	308.18	408.46	401.71	-	8.05	8.11	9.89	9.87	-
13	OIL AND GAS EXTRACTION	303.49	307.58	325.69	331.68	-	6.82	6.82	7.47	7.59	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	334.70	323.90	359.13	365.62	-	7.95	7.90	8.49	8.81	-
138	Oil and gas field services	289.56	300.33	310.91	317.11	-	6.35	6.39	7.05	7.11	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	252.18	262.64	270.58	280.54	-	5.99	6.01	6.52	6.57	-
142	Crushed and broken stone	235.13	252.88	255.85	265.63	-	5.82	5.80	6.21	6.25	-
-	CONSTRUCTION	287.87	304.92	310.02	318.60	329.93	8.32	8.40	8.96	9.00	8.99
15	GENERAL BUILDING CONTRACTORS	269.27	279.46	283.07	291.53	-	7.76	7.85	8.35	8.45	-
152	Residential building construction	252.15	261.99	267.24	274.16	-	7.33	7.38	7.93	8.04	-
153	Operative builders	234.95	244.93	238.63	251.25	-	6.89	7.12	7.32	7.50	-
154	Nonresidential building construction	294.84	304.79	309.04	317.66	-	8.40	8.49	9.01	9.05	-
16	HEAVY CONSTRUCTION CONTRACTORS	279.19	308.83	297.46	310.20	-	7.67	7.74	8.24	8.25	-
161	Highway and street construction	238.88	268.40	258.83	281.35	-	6.71	6.71	7.25	7.27	-
162	Heavy construction, except highway	293.23	323.97	310.96	321.41	-	7.99	8.14	8.59	8.64	-
17	SPECIAL TRADE CONTRACTORS	300.48	316.64	328.18	335.30	-	8.89	8.97	9.54	9.58	-
171	Plumbing, heating, air conditioning	324.89	337.94	352.61	351.29	-	8.95	9.06	9.53	9.52	-
172	Painting, paper hanging, decorating	268.41	278.03	296.14	306.56	-	8.31	8.25	8.84	8.99	-
173	Electrical work	350.48	368.28	397.06	396.98	-	9.79	9.90	10.56	10.53	-
174	Masonry, stonework, and plastering	265.35	289.74	296.42	307.66	-	8.70	8.78	9.41	9.38	-
175	Carpentering and flooring	256.63	274.46	278.66	293.37	-	7.97	8.12	8.47	8.81	-
176	Roofing and sheet metal work	219.88	241.64	228.90	240.57	-	7.53	7.82	8.06	8.10	-
-	MANUFACTURING	236.81	242.40	260.25	262.76	266.34	5.98	6.00	6.49	6.52	6.56
24, 25, 32-39	DURABLE GOODS	256.71	263.04	282.62	285.65	290.21	6.37	6.40	6.91	6.95	7.01
20-23, 26-31	NONDURABLE GOODS	208.21	212.37	226.59	226.98	230.49	5.38	5.39	5.81	5.82	5.85
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	210.75	213.30	222.92	227.56	230.30	5.39	5.40	5.79	5.82	5.86
241	Logging camps and logging contractors	260.13	267.58	266.08	290.43	-	6.90	6.95	7.31	7.39	-
242	Sawmills and planing mills	226.95	226.55	236.98	240.40	-	5.59	5.58	6.03	6.01	-
2421	Sawmills and planing mills, general	240.31	238.50	250.83	253.20	-	5.89	5.86	6.35	6.33	-
2426	Hardwood dimension and flooring	156.35	157.12	165.92	170.96	-	3.87	3.87	4.19	4.18	-
243	Millwork, plywood, and structural members	210.36	212.65	223.88	225.23	-	5.38	5.37	5.77	5.79	-
2431	Millwork	198.02	201.37	210.72	211.66	-	5.13	5.15	5.56	5.57	-
2434	Wood kitchen cabinets	185.63	186.24	204.37	201.10	-	4.99	4.94	5.35	5.32	-
2435	Hardwood veneer and plywood	177.72	178.67	183.41	183.02	-	4.41	4.39	4.62	4.61	-
2436	Softwood veneer and plywood	278.30	277.64	291.10	297.46	-	6.69	6.69	7.17	7.22	-
244	Wooden containers	149.20	152.80	159.34	165.30	-	4.00	4.00	4.33	4.35	-
245	Wood buildings and mobile homes	179.19	187.37	197.27	199.29	-	4.95	5.01	5.39	5.49	-
2451	Mobile homes	181.54	188.12	191.66	193.86	-	4.96	5.03	5.28	5.40	-
249	Miscellaneous wood products	176.01	178.65	190.79	191.18	-	4.49	4.50	4.83	4.84	-
25	FURNITURE AND FIXTURES	178.36	181.03	186.03	187.83	194.22	4.55	4.56	4.87	4.93	4.98
251	Household furniture	165.75	169.88	173.04	174.46	-	4.25	4.29	4.59	4.64	-
2511	Wood household furniture	156.81	159.98	165.25	166.41	-	3.93	3.96	4.27	4.30	-
2512	Upholstered household furniture	171.91	179.64	182.65	183.76	-	4.56	4.63	4.91	4.98	-
2514	Metal household furniture	166.02	166.41	171.55	173.40	-	4.29	4.30	4.70	4.83	-
2515	Mattresses and bedspings	190.35	192.56	190.53	194.09	-	4.97	4.95	5.22	5.26	-
252	Office furniture	213.50	208.79	213.86	211.24	-	5.22	5.08	5.32	5.32	-
253	Public building and related furniture	206.92	209.84	214.25	215.99	-	5.16	5.22	5.29	5.32	-
254	Partitions and fixtures	210.53	213.55	220.79	227.56	-	5.44	5.42	5.72	5.88	-
259	Miscellaneous furniture and fixtures	194.33	193.65	209.52	207.20	-	4.97	4.94	5.40	5.41	-

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. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
-	TOTAL PRIVATE	35.3	35.8	35.2	35.4	35.6	-	-	-	-	-
-	MINING	42.9	43.4	42.4	42.4	42.6	-	-	-	-	-
10	METAL MINING	40.9	40.8	41.6	41.8	-	-	-	-	-	-
101	Iron ores	42.3	43.0	42.3	43.1	-	-	-	-	-	-
102	Copper ores	39.0	39.0	42.4	43.0	-	-	-	-	-	-
11, 12	COAL MINING	38.0	38.2	41.3	40.7	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	37.9	38.0	41.3	40.7	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	44.5	45.1	43.6	43.7	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	42.1	41.0	42.3	41.5	-	-	-	-	-	-
138	Oil and gas field services	45.6	47.0	44.1	44.6	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	42.1	43.7	41.5	42.7	-	-	-	-	-	-
142	Crushed and broken stone	40.4	43.6	41.2	42.5	-	-	-	-	-	-
-	CONSTRUCTION	34.6	36.3	34.6	35.4	36.7	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	34.7	35.6	33.9	34.5	-	-	-	-	-	-
152	Residential building construction	34.4	35.5	33.7	34.1	-	-	-	-	-	-
153	Operative builders	34.1	34.4	32.6	33.5	-	-	-	-	-	-
154	Nonresidential building construction	35.1	35.9	34.3	35.1	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	36.4	39.9	36.1	37.6	-	-	-	-	-	-
161	Highway and street construction	35.6	40.0	35.7	38.7	-	-	-	-	-	-
162	Heavy construction, except highway	36.7	39.8	36.2	37.2	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	33.8	35.3	34.4	35.0	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	36.3	37.3	37.0	36.9	-	-	-	-	-	-
172	Painting, paper hanging, decorating	32.3	33.7	33.5	34.1	-	-	-	-	-	-
173	Electrical work	35.8	37.2	37.6	37.7	-	-	-	-	-	-
174	Masonry, stonework, and plastering	30.5	33.0	31.5	32.8	-	-	-	-	-	-
175	Carpentering and flooring	32.2	33.8	32.9	33.3	-	-	-	-	-	-
176	Roofing and sheet metal work	29.2	30.9	28.4	29.7	-	-	-	-	-	-
-	MANUFACTURING	39.6	40.4	40.1	40.3	40.6	3.5	3.5	3.5	3.5	3.6
24, 25, 32-39	DURABLE GOODS	40.3	41.1	40.9	41.1	41.4	3.7	3.7	3.8	3.9	3.9
20-23, 26-31	NONDURABLE GOODS	38.7	39.4	39.0	39.0	39.4	3.1	3.1	3.0	3.0	3.1
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	39.1	39.5	38.5	39.1	39.3	3.6	3.5	3.4	3.5	-
241	Logging camps and logging contractors	37.7	38.5	36.4	39.3	-	4.6	4.2	3.5	5.2	-
242	Sawmills and planing mills	40.6	40.6	39.3	40.0	-	4.5	4.4	4.1	4.3	-
2421	Sawmills and planing mills, general	40.8	40.7	39.5	40.0	-	4.6	4.5	4.4	4.5	-
2426	Hardwood dimension and flooring	40.4	40.6	39.6	40.9	-	3.9	4.0	3.3	3.6	-
243	Millwork, plywood, and structural members	39.1	39.6	38.8	38.9	-	3.0	2.9	3.1	2.9	-
2431	Millwork	38.6	39.1	37.9	38.0	-	2.2	2.2	2.0	1.9	-
2434	Wood kitchen cabinets	37.2	37.7	38.2	37.8	-	1.7	1.8	2.6	2.2	-
2435	Hardwood veneer and plywood	40.3	40.7	39.7	39.7	-	3.9	3.8	3.7	3.6	-
2436	Softwood veneer and plywood	41.6	41.5	40.6	41.2	-	5.0	4.7	5.1	4.8	-
244	Wooden containers	37.3	38.2	36.8	38.0	-	2.9	3.1	2.8	3.0	-
245	Wood buildings and mobile homes	36.2	37.4	36.6	36.3	-	1.7	1.8	1.9	1.6	-
2451	Mobile homes	36.6	37.4	36.3	35.9	-	1.7	1.7	1.3	1.2	-
249	Miscellaneous wood products	39.2	39.7	39.5	39.5	-	3.5	3.4	3.2	3.2	-
25	FURNITURE AND FIXTURES	39.2	39.7	38.2	38.1	39.0	2.8	2.7	2.3	2.2	-
251	Household furniture	39.0	39.6	37.7	37.6	-	2.8	2.8	2.3	2.2	-
2511	Wood household furniture	39.9	40.4	38.7	38.7	-	3.5	3.5	3.0	3.0	-
2512	Upholstered household furniture	37.7	38.8	37.2	36.9	-	1.7	2.1	1.5	1.4	-
2514	Metal household furniture	38.7	38.7	36.5	35.9	-	2.4	2.3	1.4	1.5	-
2515	Mattresses and bedsprings	38.3	38.9	36.5	36.9	-	3.0	2.8	2.1	1.9	-
252	Office furniture	40.9	41.1	40.2	39.8	-	3.1	3.0	2.8	2.5	-
253	Public building and related furniture	40.1	40.2	40.5	40.6	-	2.5	2.8	2.4	2.1	-
254	Partitions and fixtures	38.7	39.4	38.6	38.7	-	2.5	2.2	2.2	2.2	-
259	Miscellaneous furniture and fixtures	39.1	39.2	38.8	38.3	-	2.3	2.2	2.7	2.3	-

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. 1978	Mar. 1978	Jan. 1979	Mar. 1979 ^P	Feb. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
32	STONE, CLAY, AND GLASS PRODUCTS	\$241.60	\$251.10	\$265.68	\$267.40	\$277.62	\$6.04	\$6.08	\$6.56	\$6.57	\$6.61
321	Flat glass	327.13	341.78	390.57	368.29	—	7.59	7.75	8.31	8.13	—
322	Glass and glassware, pressed or blown	252.10	254.47	277.26	275.09	—	6.35	6.33	6.88	6.86	—
3221	Glass containers	258.59	258.80	290.39	286.12	—	6.53	6.47	7.10	7.03	—
3229	Pressed and blown glass, nec	242.99	248.67	260.57	260.83	—	6.09	6.14	6.58	6.62	—
323	Products of purchased glass	246.43	249.90	274.56	266.33	—	6.13	6.11	6.60	6.48	—
324	Cement, hydraulic	342.77	350.20	392.21	380.94	—	8.22	8.24	9.10	9.07	—
325	Structural clay products	199.51	204.67	215.33	218.82	—	4.89	4.92	5.33	5.35	—
326	Pottery and related products	200.99	201.20	212.07	214.82	—	5.05	5.03	5.41	5.48	—
327	Concrete, gypsum, and plaster products	227.37	249.37	245.22	255.20	—	5.86	5.98	6.32	6.38	—
3271	Concrete block and brick	198.90	228.76	229.70	241.77	—	5.29	5.37	5.92	6.09	—
3272	Concrete products, nec	213.10	228.65	225.37	231.66	—	5.45	5.47	5.72	5.72	—
3273	Ready-mixed concrete	236.90	267.59	253.68	267.46	—	6.42	6.64	6.95	7.02	—
329	Misc. nonmetallic mineral products	249.45	254.94	277.25	280.87	—	6.04	6.07	6.57	6.64	—
3291	Abrasive products	247.86	248.46	264.62	268.04	—	6.09	6.06	6.47	6.49	—
3292	Asbestos products	250.88	267.95	293.23	292.76	—	6.21	6.29	6.71	6.73	—
33	PRIMARY METAL INDUSTRIES	329.54	329.51	362.90	368.38	374.78	7.96	7.94	8.62	8.75	8.86
331	Blast furnace and basic steel products	380.05	377.80	417.63	428.75	—	9.18	9.17	9.92	10.16	—
3312	Blast furnaces and steel mills	390.70	386.91	431.10	442.05	—	9.46	9.46	10.24	10.50	—
3317	Steel pipe and tubes	316.59	319.18	333.25	345.14	—	7.52	7.51	8.03	8.14	—
332	Iron and steel foundries	287.16	291.62	319.35	321.51	—	6.97	7.01	7.64	7.71	—
3321	Gray iron foundries	295.30	301.68	328.80	327.81	—	7.15	7.20	7.81	7.88	—
3322	Malleable iron foundries	300.58	297.54	337.00	341.55	—	7.44	7.42	8.28	8.29	—
3325	Steel foundries, nec	266.26	272.24	296.90	305.41	—	6.51	6.56	7.12	7.22	—
333	Primary nonferrous metals	346.93	346.51	378.42	376.68	—	8.28	8.27	9.01	8.99	—
3334	Primary aluminum	375.84	376.68	395.52	395.93	—	8.97	8.99	9.60	9.61	—
335	Nonferrous rolling and drawing	294.42	297.46	330.38	327.08	—	7.01	6.95	7.63	7.66	—
3351	Copper rolling and drawing	285.29	287.76	312.13	313.01	—	6.65	6.54	7.11	7.13	—
3353	Aluminum sheet, plate, and foil	357.41	363.35	391.78	398.18	—	8.39	8.45	9.09	9.26	—
3357	Nonferrous wire drawing and insulating	265.98	275.80	311.76	306.85	—	6.60	6.52	7.20	7.22	—
336	Nonferrous foundries	245.62	241.19	267.62	267.21	—	6.02	5.97	6.48	6.47	—
3361	Aluminum foundries	252.75	248.65	280.69	279.45	—	6.21	6.02	6.78	6.75	—
34	FABRICATED METAL PRODUCTS	246.43	254.41	269.69	272.39	276.86	6.13	6.19	6.61	6.66	6.72
341	Metal cans and shipping containers	324.10	334.80	355.75	369.80	—	7.68	7.75	8.43	8.62	—
3411	Metal cans	332.96	345.17	366.27	379.18	—	7.89	7.99	8.70	8.88	—
342	Cutlery, hand tools, and hardware	238.79	247.20	252.00	255.67	—	5.94	6.00	6.30	6.36	—
3423, 5	Hand and edge tools, and hand saws and blades	232.72	240.69	246.64	245.01	—	5.69	5.69	6.12	6.11	—
3429	Hardware, nec	247.16	257.86	259.24	266.79	—	6.21	6.32	6.53	6.62	—
343	Plumbing and heating, except electric	214.49	213.55	231.02	231.28	—	5.43	5.42	5.79	5.87	—
3432	Plumbing fittings and brass goods	212.13	209.87	222.88	230.35	—	5.29	5.26	5.60	5.73	—
3433	Heating equipment, except electric	198.98	204.86	224.36	219.08	—	5.25	5.28	5.68	5.75	—
344	Fabricated structural metal products	228.15	236.59	249.88	251.70	—	5.85	5.90	6.31	6.34	—
3441	Fabricated structural metal	232.41	244.01	260.04	264.27	—	5.99	6.07	6.55	6.64	—
3442	Metal doors, sash, and trim	182.75	185.81	191.76	196.10	—	4.71	4.74	5.10	5.12	—
3443	Fabricated plate work (boiler shops)	253.99	265.27	278.64	279.73	—	6.43	6.47	6.88	6.89	—
3444	Sheet metal work	232.93	240.98	252.95	252.16	—	6.05	6.07	6.42	6.40	—
3446	Architectural metal work	222.22	221.43	241.78	245.41	—	5.64	5.62	5.84	6.12	—
345	Screw machine products, bolts, etc.	248.36	249.95	268.27	274.68	—	5.83	5.84	6.21	6.30	—
3451	Screw machine products	235.64	233.33	245.50	251.24	—	5.48	5.49	5.79	5.87	—
3452	Bolts, nuts, rivets, and washers	261.84	267.03	291.94	298.81	—	6.19	6.21	6.62	6.73	—
346	Metal forgings and stampings	285.60	301.07	322.28	323.53	—	7.00	7.22	7.71	7.74	—
3462	Iron and steel forgings	328.92	329.43	358.25	359.13	—	7.85	7.90	8.39	8.47	—
3465	Automotive stampings	332.92	366.36	386.90	384.30	—	8.12	8.60	9.19	9.15	—
3469	Metal stampings, nec	219.75	224.81	239.61	242.67	—	5.48	5.51	5.83	5.89	—
347	Metal services, nec	199.58	203.11	215.87	217.08	—	5.04	5.04	5.37	5.40	—
3471	Plating and polishing	190.61	196.18	207.36	211.98	—	4.85	4.88	5.21	5.26	—
3479	Metal coating and allied services	222.46	220.58	237.72	231.38	—	5.52	5.46	5.77	5.77	—
348	Ordnance and accessories, nec	232.25	249.60	262.44	262.68	—	5.94	6.00	6.48	6.47	—
3483	Ammunition, exc. for small arms, nec	212.95	223.76	238.51	241.13	—	5.56	5.58	6.10	6.12	—
349	Misc. fabricated metal products	238.17	242.26	257.29	260.38	—	5.91	5.88	6.26	6.32	—
3494	Valves and pipe fittings	262.09	261.84	275.64	276.72	—	6.27	6.19	6.61	6.62	—
3496	Misc. fabricated wire products	202.93	208.87	229.14	228.42	—	5.19	5.17	5.63	5.64	—
35	MACHINERY, EXCEPT ELECTRICAL	274.80	279.60	298.49	303.88	306.29	6.59	6.61	7.09	7.15	7.19
351	Engines and turbines	329.30	338.35	352.80	360.83	—	7.73	7.98	8.38	8.49	—
3511	Turbines and turbine generator sets	282.82	285.84	314.28	315.02	—	7.16	7.20	7.76	7.74	—
3519	Internal combustion engines, nec	347.33	358.88	366.37	376.26	—	7.93	8.25	8.58	8.73	—
352	Farm and garden machinery	295.10	298.69	319.80	338.61	—	7.18	7.18	7.80	7.93	—
3523	Farm machinery and equipment	301.43	306.69	331.25	353.38	—	7.37	7.39	8.04	8.18	—
353	Construction and related machinery	295.53	298.07	317.43	325.46	—	7.07	7.08	7.54	7.64	—

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. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p
32	STONE, CLAY, AND GLASS PRODUCTS	40.0	41.3	40.5	40.7	42.0	4.2	4.4	4.1	4.2	-
321	Flat glass	43.1	44.1	47.0	45.3	-	6.5	6.8	7.2	5.9	-
322	Glass and glassware, pressed or blown	39.7	40.2	40.3	40.1	-	4.3	4.1	4.1	4.0	-
3221	Glass containers	39.6	40.0	40.9	40.7	-	4.8	4.7	4.7	4.4	-
3229	Pressed and blown glass, nec	39.9	40.5	39.6	39.4	-	3.5	3.3	3.2	3.4	-
323	Products of purchased glass	40.2	40.9	41.6	41.1	-	4.0	3.7	4.7	4.3	-
324	Cement, hydraulic	41.7	42.5	43.1	42.0	-	4.4	4.4	4.7	4.4	-
325	Structural clay products	40.8	41.6	40.4	40.9	-	4.2	4.4	3.8	3.9	-
326	Pottery and related products	39.8	40.0	39.2	39.2	-	2.6	2.6	2.3	2.3	-
327	Concrete, gypsum, and plaster products	38.8	41.7	38.8	40.0	-	4.4	5.5	4.3	4.6	-
3271	Concrete block and brick	37.6	42.6	38.8	39.7	-	3.7	5.7	4.6	4.7	-
3272	Concrete products, nec	39.1	41.8	39.4	40.5	-	4.1	4.8	3.9	4.2	-
3273	Ready-mixed concrete	36.9	40.3	36.5	38.1	-	3.8	5.4	3.6	4.0	-
329	Misc. nonmetallic mineral products	41.3	42.0	42.2	42.3	-	4.2	4.1	4.3	4.7	-
3291	Abrasive products	40.7	41.0	40.9	41.3	-	4.1	3.7	3.6	3.7	-
3292	Asbestos products	40.4	42.6	43.7	43.5	-	4.4	4.1	4.0	4.0	-
33	PRIMARY METAL INDUSTRIES	41.4	41.5	42.1	42.1	42.3	4.2	3.8	4.3	4.3	-
331	Blast furnace and basic steel products	41.4	41.2	42.1	42.2	-	3.6	3.2	3.8	4.0	-
3312	Blast furnaces and steel mills	41.3	40.9	42.1	42.1	-	3.5	3.1	3.7	3.9	-
3317	Steel pipe and tubes	42.1	42.5	41.5	42.4	-	5.2	4.4	4.2	4.8	-
332	Iron and steel foundries	41.2	41.6	41.8	41.7	-	4.7	4.4	4.8	4.8	-
3321	Gray iron foundries	41.3	41.9	42.1	41.6	-	5.2	5.0	5.1	4.8	-
3322	Malleable iron foundries	40.4	40.1	40.7	41.2	-	4.2	3.3	4.6	5.0	-
3325	Steel foundries, nec	40.9	41.5	41.7	42.3	-	3.6	3.4	4.1	4.6	-
333	Primary nonferrous metals	41.9	41.9	42.0	41.9	-	3.8	3.6	3.7	3.5	-
3334	Primary aluminum	41.9	41.9	41.2	41.2	-	4.5	4.2	3.7	3.5	-
335	Nonferrous rolling and drawing	42.0	42.8	43.3	42.7	-	5.3	4.9	5.6	5.3	-
3351	Copper rolling and drawing	42.9	44.0	43.9	43.9	-	6.6	5.5	6.4	6.5	-
3353	Aluminum sheet, plate and foil	42.6	43.0	43.1	43.0	-	6.5	6.8	6.4	6.7	-
3357	Nonferrous wire drawing and insulating	40.3	42.3	43.3	42.5	-	4.4	4.3	5.1	4.5	-
336	Nonferrous foundries	40.8	40.4	41.3	41.3	-	3.8	3.4	4.0	3.8	-
3361	Aluminum foundries	40.7	40.3	41.4	41.4	-	3.9	3.5	4.5	4.1	-
34	FABRICATED METAL PRODUCTS	40.2	41.1	40.8	40.9	41.2	3.5	3.6	3.6	3.6	-
341	Metal cans and shipping containers	42.2	43.2	42.2	42.9	-	4.5	4.6	4.1	5.1	-
3411	Metal cans	42.2	43.2	42.1	42.7	-	4.3	4.3	3.8	4.7	-
342	Cutlery, hand tools, and hardware	40.2	41.2	40.0	40.2	-	3.3	3.5	3.1	3.0	-
3423, 5	Hand and edge tools, and hand saws and blades	40.9	42.3	40.3	40.1	-	3.8	3.9	3.4	3.0	-
3429	Hardware, nec	39.8	40.8	39.7	40.3	-	3.0	3.4	2.9	3.1	-
343	Plumbing and heating, except electric	39.5	39.4	39.9	39.4	-	2.7	2.4	3.0	2.8	-
3432	Plumbing fittings and brass goods	40.1	39.9	39.8	40.2	-	2.8	2.4	3.0	3.1	-
3433	Heating equipment, except electric	37.9	38.8	39.5	38.1	-	2.0	1.9	2.5	2.4	-
344	Fabricated structural metal products	39.0	40.1	39.6	39.7	-	2.8	2.9	2.6	2.6	-
3441	Fabricated structural metal	38.8	40.2	39.7	39.8	-	2.7	2.8	3.3	3.4	-
3442	Metal doors, sash, and trim	38.8	39.2	37.6	38.3	-	2.9	2.4	1.9	1.6	-
3443	Fabricated plate work (boiler shops)	39.5	41.0	40.5	40.6	-	3.2	3.4	2.4	2.6	-
3444	Sheet metal work	38.5	39.7	39.4	39.4	-	2.9	3.1	2.9	2.8	-
3446	Architectural metal work	39.4	39.4	41.4	40.1	-	1.8	1.7	3.7	2.1	-
345	Screw machine products, bolts, etc.	42.6	42.8	43.2	43.6	-	5.4	5.1	5.4	5.6	-
3451	Screw machine products	43.0	42.5	42.4	42.8	-	6.0	5.5	5.3	5.7	-
3452	Bolts, nuts, rivets, and washers	42.3	43.0	44.1	44.4	-	4.9	4.7	5.4	5.5	-
346	Metal forgings and stampings	40.8	41.7	41.8	41.8	-	3.8	4.5	4.8	4.6	-
3462	Iron and steel forgings	41.9	41.7	42.7	42.4	-	5.2	5.0	5.8	5.3	-
3465	Automotive stampings	41.0	42.6	42.1	42.0	-	3.4	5.1	5.4	5.1	-
3469	Metal stampings, nec	40.1	40.8	41.1	41.2	-	3.6	3.6	3.5	3.7	-
347	Metal services, nec	39.6	40.3	40.2	40.2	-	3.8	3.9	3.5	3.7	-
3471	Plating and polishing	39.3	40.2	39.8	40.3	-	3.5	3.8	3.2	3.6	-
3479	Metal coating and allied services	40.3	40.4	41.2	40.1	-	4.4	4.2	4.3	4.0	-
348	Ordnance and accessories, nec	39.1	41.6	40.5	40.6	-	3.4	3.2	2.7	2.6	-
3483	Ammunition, exc. for small arms, nec	38.3	40.1	39.1	39.4	-	2.8	2.4	1.7	1.7	-
349	Misc. fabricated metal products	40.3	41.2	41.1	41.2	-	3.6	3.4	3.6	3.6	-
3494	Valves and pipe fittings	41.8	42.3	41.7	41.8	-	4.4	3.8	3.8	3.7	-
3496	Misc. fabricated wire products	39.1	40.4	40.7	40.5	-	2.7	2.6	3.5	3.3	-
35	MACHINERY, EXCEPT ELECTRICAL	41.7	42.3	42.1	42.5	42.6	4.4	4.3	4.3	4.6	-
351	Engines and turbines	42.6	42.4	42.1	42.5	-	4.3	4.4	4.2	4.5	-
3511	Turbines and turbine generator sets	39.5	39.7	40.5	40.7	-	3.6	3.9	3.8	3.7	-
3519	Internal combustion engines, nec	43.8	43.5	42.7	43.1	-	4.5	4.6	4.3	4.8	-
352	Farm and garden machinery	41.1	41.6	41.0	42.7	-	3.7	4.0	4.8	6.0	-
3523	Farm machinery and equipment	40.9	41.5	41.2	43.2	-	3.7	4.0	5.0	6.4	-
353	Construction and related machinery	41.8	42.1	42.1	42.6	-	3.8	3.9	3.8	3.9	-

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. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$324.43	\$320.08	\$340.71	\$354.90	-	\$7.78	\$7.75	\$8.31	\$8.43	-	-
3532	Mining machinery	276.06	284.82	324.63	331.91	-	6.85	6.93	7.48	7.63	-	-
3533	Oil field machinery	283.59	290.79	306.31	305.80	-	6.46	6.52	6.93	6.95	-	-
3535	Conveyers and conveying equipment	243.19	249.83	265.85	268.38	-	5.99	6.02	6.36	6.39	-	-
3537	Industrial trucks and tractors	264.96	266.62	286.35	291.21	-	6.40	6.44	6.90	6.95	-	-
354	Metalworking machinery	301.64	305.03	326.20	331.08	-	6.84	6.87	7.38	7.44	-	-
3541	Machine tools, metal cutting types	313.98	320.81	339.15	343.21	-	7.04	7.02	7.52	7.61	-	-
3542	Machine tools, metal forming types	294.42	306.01	317.67	326.70	-	7.01	7.10	7.51	7.58	-	-
3544	Special dies, tools, jigs, and fixtures	335.44	332.67	361.15	363.89	-	7.34	7.36	7.92	7.98	-	-
3545	Machine tool accessories	265.59	273.50	291.36	292.71	-	6.22	6.23	6.76	6.76	-	-
3546	Power driven hand tools	220.04	228.90	232.85	246.10	-	5.38	5.45	5.88	5.93	-	-
355	Special industry machinery	252.75	262.70	276.97	279.64	-	6.21	6.24	6.69	6.69	-	-
3551	Food products machinery	265.68	271.00	295.24	279.65	-	6.48	6.53	7.08	7.07	-	-
3552	Textile machinery	201.49	209.61	223.30	227.98	-	5.14	5.15	5.50	5.52	-	-
3555	Printing trades machinery	268.09	279.07	279.19	279.64	-	6.46	6.46	6.76	6.69	-	-
356	General industrial machinery	265.98	269.86	293.99	296.94	-	6.60	6.55	7.05	7.07	-	-
3561	Pumps and pumping equipment	269.03	270.27	286.62	296.81	-	6.61	6.56	6.94	7.05	-	-
3562	Ball and roller bearings	248.90	260.65	302.28	300.33	-	6.55	6.42	7.18	7.10	-	-
3563	Air and gas compressors	281.73	289.20	301.02	305.98	-	6.74	6.71	7.36	7.32	-	-
3564	Blowers and fans	243.41	242.20	261.40	259.90	-	6.07	6.01	6.36	6.37	-	-
3566	Speed changers, drives, and gears	300.57	298.32	325.74	337.49	-	6.99	6.97	7.42	7.55	-	-
3568	Power transmission equipment, nec	257.22	260.57	286.33	299.17	-	6.32	6.34	6.85	6.99	-	-
357	Office and computing machines	222.08	226.87	240.95	243.02	-	5.47	5.48	5.82	5.87	-	-
3573	Electronic computing equipment	223.31	227.01	242.18	242.69	-	5.46	5.47	5.78	5.82	-	-
358	Refrigeration and service machinery	246.22	251.64	258.89	262.90	-	6.02	6.02	6.44	6.50	-	-
3585	Refrigeration and heating equipment	253.37	259.49	267.55	271.32	-	6.12	6.12	6.59	6.65	-	-
359	Misc. machinery, except electrical	261.88	266.91	292.66	296.53	-	6.28	6.31	6.87	6.88	-	-
3592	Carburetors, pistons, rings, valves	302.63	302.73	349.80	350.67	-	7.24	7.33	8.06	8.08	-	-
3599	Machinery, except electrical, nec	254.79	260.53	282.63	286.38	-	6.11	6.13	6.65	6.66	-	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	224.93	229.47	246.64	248.46	\$250.29	5.68	5.68	6.12	6.15	\$6.18	-
361	Electric distributing equipment	222.30	233.21	246.00	246.40	-	5.70	5.73	6.15	6.16	-	-
3612	Transformers	209.21	217.21	236.23	231.60	-	5.31	5.35	5.79	5.79	-	-
3613	Switchgear and switchboard apparatus	233.75	246.24	254.66	259.60	-	7.68	7.75	6.48	6.49	-	-
362	Electrical industrial apparatus	234.84	233.04	255.63	257.89	-	5.77	5.74	6.25	6.29	-	-
3621	Motors and generators	243.90	240.31	262.17	261.76	-	5.92	5.89	6.41	6.40	-	-
3622	Industrial controls	205.11	208.03	238.76	245.21	-	5.30	5.28	5.91	6.01	-	-
363	Household appliances	226.63	230.04	244.77	247.95	-	5.68	5.68	6.15	6.23	-	-
3632	Household refrigerators and freezers	251.51	257.66	263.87	269.87	-	5.96	6.02	6.63	6.68	-	-
3633	Household laundry equipment	269.74	261.46	286.31	283.75	-	6.71	6.67	7.23	7.22	-	-
3634	Electric housewares and fans	195.02	191.83	209.22	209.43	-	4.90	4.76	5.27	5.37	-	-
364	Electric lighting and wiring equipment	208.40	215.59	227.83	230.35	-	5.33	5.31	5.71	5.73	-	-
3641	Electric lamps	235.71	238.55	246.84	257.71	-	5.82	5.79	6.11	6.18	-	-
3643	Current-carrying wiring devices	193.05	205.09	214.27	216.41	-	4.95	4.93	5.33	5.37	-	-
3644	Noncurrent-carrying wiring devices	215.42	212.31	224.62	233.56	-	5.44	5.43	5.73	5.81	-	-
3645	Residential lighting fixtures	159.41	170.77	165.35	172.37	-	4.32	4.39	4.53	4.56	-	-
365	Radio and TV receiving equipment	196.32	201.49	214.81	220.03	-	5.18	5.22	5.79	5.76	-	-
3651	Radio and TV receiving sets	203.90	204.82	217.40	225.93	-	5.31	5.32	5.94	5.93	-	-
366	Communication equipment	256.86	264.87	286.07	288.27	-	6.47	6.54	6.91	6.98	-	-
3661	Telephone and telegraph apparatus	255.98	257.54	288.05	291.10	-	6.53	6.52	7.06	7.10	-	-
3662	Radio and TV communication equipment	257.84	270.52	284.66	286.62	-	6.43	6.55	6.81	6.89	-	-
367	Electronic components and accessories	187.38	194.00	207.55	209.04	-	4.78	4.79	5.15	5.20	-	-
3671-3	Electronic tubes	244.82	256.52	269.00	268.77	-	6.03	6.05	6.42	6.43	-	-
3674	Semiconductors and related devices	211.58	220.42	234.58	240.29	-	5.37	5.35	5.68	5.79	-	-
3679	Electronic components, nec	171.88	178.85	191.04	191.75	-	4.43	4.46	4.80	4.83	-	-
369	Misc. electrical equipment and supplies	271.35	269.07	299.30	294.58	-	6.75	6.71	7.30	7.22	-	-
3691	Storage batteries	270.12	279.07	301.02	296.38	-	6.77	6.79	7.36	7.30	-	-
3694	Engine electrical equipment	303.67	296.35	334.15	325.62	-	7.63	7.56	8.19	8.10	-	-
37	TRANSPORTATION EQUIPMENT	305.52	322.21	349.45	349.86	353.64	7.60	7.69	8.34	8.33	8.40	-
371	Motor vehicles and equipment	332.11	355.21	379.95	381.27	-	8.12	8.28	8.94	8.95	-	-
3711	Motor vehicles and car bodies	344.97	382.38	398.79	414.56	-	8.56	8.75	9.45	9.53	-	-
3713	Truck and bus bodies	257.42	264.10	273.53	266.27	-	6.55	6.72	6.89	6.81	-	-
3714	Motor vehicle parts and accessories	336.49	348.01	387.15	377.01	-	8.05	8.15	8.90	8.85	-	-
3715	Truck trailers	223.28	223.26	218.95	230.27	-	5.61	5.54	5.87	5.95	-	-
372	Aircraft and parts	299.39	308.37	341.54	342.71	-	7.32	7.29	7.98	7.97	-	-
3721	Aircraft	306.53	310.99	351.05	352.24	-	7.44	7.44	8.26	8.23	-	-
3724	Aircraft engines and engine parts	296.45	316.35	351.35	348.86	-	7.68	7.55	8.19	8.17	-	-
3728	Aircraft equipment, nec	287.91	294.15	306.40	311.25	-	6.68	6.67	7.06	7.09	-	-
373	Ship and boat building and repairing	242.68	249.74	272.44	(*)	-	6.42	6.47	6.95	(*)	-	-
3731	Shipbuilding and repairing	255.61	262.74	290.03	(*)	-	6.78	6.86	7.38	(*)	-	-
3732	Boat building and repairing	195.97	205.37	215.51	215.39	-	5.13	5.16	5.54	5.58	-	-
374	Railroad equipment	308.00	312.38	349.32	356.45	-	7.70	7.79	8.52	8.61	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours					
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	41.7	41.3	41.0	42.1	—	3.4	3.3	2.6	3.1	—	
3532	Mining machinery	40.3	41.1	43.4	43.5	—	2.7	3.2	4.2	4.8	—	
3533	Oil field machinery	43.9	44.6	44.2	44.0	—	5.4	5.4	5.9	5.5	—	
3535	Conveyers and conveying equipment	40.6	41.5	41.8	42.0	—	3.9	3.6	4.0	3.6	—	
3537	Industrial trucks and tractors	41.4	41.4	41.5	41.9	—	3.8	3.5	3.7	3.5	—	
354	Metalworking machinery	44.1	44.4	44.2	44.5	—	6.3	6.0	6.2	6.4	—	
3541	Machine tools, metal cutting types	44.6	45.7	45.1	45.1	—	6.4	6.6	6.6	6.7	—	
3542	Machine tools, metal forming types	42.0	43.1	42.3	43.1	—	5.8	5.9	7.2	7.5	—	
3544	Special dies, tools, jigs, and fixtures	45.7	45.2	45.6	45.6	—	7.8	7.1	7.3	7.3	—	
3545	Machine tool accessories	42.7	43.9	43.1	43.3	—	4.9	5.0	5.4	5.5	—	
3546	Power driven hand tools	40.9	42.0	39.6	41.5	—	3.6	4.1	2.9	3.7	—	
355	Special industry machinery	40.7	42.1	41.4	41.8	—	3.9	4.0	3.8	4.0	—	
3551	Food products machinery	41.0	41.5	41.7	42.1	—	3.0	3.3	3.6	4.1	—	
3552	Textile machinery	39.2	40.7	40.6	41.3	—	3.9	2.8	2.9	3.3	—	
3555	Printing trades machinery	41.5	43.2	41.3	41.8	—	4.3	5.1	4.0	3.7	—	
356	General industrial machinery	40.3	41.2	41.7	42.0	—	4.5	3.9	4.2	4.5	—	
3561	Pumps and pumping equipment	40.7	41.2	41.3	42.1	—	4.1	3.9	3.8	4.4	—	
3562	Ball and roller bearings	38.0	40.6	42.1	42.3	—	5.1	3.6	5.3	4.9	—	
3563	Air and gas compressors	41.8	43.1	40.9	41.8	—	5.0	4.6	3.6	4.3	—	
3564	Blowers and fans	40.1	40.3	41.1	40.8	—	4.0	3.4	3.7	3.5	—	
3566	Speed changers, drives, and gears	43.0	42.8	43.9	44.7	—	4.6	4.1	5.2	6.2	—	
3568	Power transmission equipment, nec	40.7	41.1	41.8	42.8	—	4.2	4.0	4.6	5.3	—	
357	Office and computing machines	40.6	41.4	41.4	41.4	—	3.4	3.4	2.8	3.0	—	
3573	Electronic computing equipment	40.9	41.5	41.9	41.7	—	3.6	3.4	3.0	3.0	—	
358	Refrigeration and service machinery	40.9	41.8	40.2	40.6	—	3.9	3.7	2.9	3.0	—	
3585	Refrigeration and heating equipment	41.4	42.4	40.6	40.8	—	4.2	3.9	3.3	3.4	—	
359	Misc. machinery, except electrical	41.7	42.3	42.6	43.1	—	4.6	4.7	5.1	5.1	—	
3592	Carburetors, pistons, rings, valves	41.8	41.3	43.4	43.4	—	3.6	2.9	5.1	4.8	—	
3599	Machinery, except electrical, nec	41.7	42.5	42.5	43.0	—	4.8	5.0	5.1	5.2	—	
36	ELECTRIC AND ELECTRONIC EQUIPMENT	39.6	40.4	40.3	40.4	40.5	2.9	2.7	2.8	2.9	—	
361	Electric distributing equipment	39.0	40.7	40.0	40.0	—	2.7	2.7	2.6	2.7	—	
3612	Transformers	39.4	40.6	40.8	40.0	—	2.1	2.4	3.2	2.9	—	
3613	Switchgear and switchboard apparatus	38.7	40.7	40.3	40.0	—	3.1	2.9	2.1	2.5	—	
362	Electrical industrial apparatus	40.7	40.6	40.9	41.0	—	3.4	2.8	3.2	3.3	—	
3621	Motors and generators	41.2	40.8	40.9	40.9	—	3.8	3.0	3.4	3.5	—	
3622	Industrial controls	38.7	39.4	40.4	40.8	—	1.7	1.7	2.3	2.7	—	
363	Household appliances	39.9	40.5	39.8	39.8	—	2.3	2.4	2.2	2.0	—	
3632	Household refrigerators and freezers	42.2	42.8	39.8	40.4	—	1.5	2.3	1.8	1.8	—	
3633	Household laundry equipment	40.2	39.2	39.6	39.3	—	2.6	1.6	.9	.4	—	
3634	Electric housewares and fans	39.8	40.3	39.7	39.0	—	2.7	2.2	2.5	2.3	—	
364	Electric lighting and wiring equipment	39.1	40.6	39.9	40.2	—	2.8	2.9	3.0	2.9	—	
3641	Electric lamps	40.5	41.2	40.4	41.7	—	2.7	2.6	2.9	2.8	—	
3643	Current-carrying wiring devices	39.0	41.6	40.2	40.3	—	3.1	3.3	2.8	3.0	—	
3644	Noncurrent-carrying wiring devices	39.6	39.1	39.2	40.2	—	2.7	2.4	2.8	2.9	—	
3645	Residential lightning fixtures	36.9	38.9	36.5	37.8	—	2.0	1.9	1.5	2.3	—	
365	Radio and TV receiving equipment	37.9	38.6	37.1	38.2	—	1.5	1.7	1.7	1.9	—	
3651	Radio and TV receiving sets	38.4	38.5	36.6	38.1	—	1.2	1.2	1.7	1.7	—	
366	Communication equipment	39.7	40.5	41.4	41.3	—	2.8	2.7	2.8	3.0	—	
3661	Telephone and telegraph apparatus	39.2	39.5	40.8	41.0	—	2.3	2.2	3.1	3.4	—	
3662	Radio and TV communication equipment	40.1	41.3	41.8	41.6	—	3.2	3.1	2.6	2.7	—	
367	Electronic components and accessories	39.2	40.5	40.3	40.2	—	2.9	2.8	2.8	2.9	—	
3671-3	Electronic tubes	40.6	42.4	41.9	41.8	—	2.7	2.7	2.0	2.0	—	
3674	Semiconductors and related devices	39.4	41.2	41.3	41.5	—	3.7	3.5	3.6	3.8	—	
3679	Electronic components, nec	38.8	40.1	39.8	39.7	—	2.7	2.6	2.7	2.9	—	
369	Misc. electrical equipment and supplies	40.2	40.1	41.0	40.8	—	4.1	3.5	3.8	3.6	—	
3691	Storage batteries	39.9	41.1	40.9	40.6	—	4.1	3.3	4.4	3.9	—	
3694	Engine electrical equipment	39.8	39.2	40.8	40.2	—	4.4	4.0	3.9	3.5	—	
37	TRANSPORTATION EQUIPMENT	40.2	41.9	41.9	42.0	42.1	4.3	4.7	5.0	5.1	—	
371	Motor vehicles and equipment	40.9	42.9	42.5	42.6	—	5.0	5.7	6.0	6.1	—	
3711	Motor vehicles and car bodies	40.3	43.7	42.2	43.5	—	5.4	6.4	6.0	7.3	—	
3713	Truck and bus bodies	39.3	39.3	39.7	39.1	—	3.4	3.4	4.3	3.4	—	
3714	Motor vehicle parts and accessories	41.8	42.7	43.5	42.6	—	4.9	5.4	6.5	5.7	—	
3715	Truck trailers	39.8	40.3	37.3	38.7	—	3.4	3.1	1.9	2.8	—	
372	Aircraft and parts	40.9	42.3	42.8	43.0	—	4.6	4.1	4.7	4.8	—	
3721	Aircraft	41.2	41.8	42.5	42.8	—	3.6	3.3	4.2	4.3	—	
3724	Aircraft engines and engine parts	38.6	41.9	42.9	42.7	—	5.7	4.6	5.2	5.2	—	
3728	Aircraft equipment, nec	43.1	44.1	43.4	43.9	—	5.3	5.3	5.4	5.7	—	
373	Ship and boat building and repairing	37.8	38.6	39.2	(*)	—	2.4	2.5	2.9	(*)	—	
3731	Ship building and repairing	37.7	38.3	39.3	(*)	—	2.4	2.3	2.9	(*)	—	
3732	Boat building and repairing	38.2	39.8	38.9	38.6	—	2.3	2.9	2.9	2.5	—	
374	Railroad equipment	40.0	40.1	41.0	41.4	—	3.4	3.3	4.4	4.7	—	

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. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$275.48	\$309.86	\$347.85	\$344.74	—	\$7.61	\$7.36	\$7.96	\$7.98	—	—
3761	Guided missiles and space vehicles	269.73	315.42	349.32	342.36	—	7.91	7.51	8.20	8.21	—	—
379	Miscellaneous transportation equipment	211.63	215.60	222.09	218.66	—	5.54	5.50	5.86	5.80	—	—
3792	Travel trailers and campers	186.62	182.77	190.05	190.58	—	4.95	4.90	5.25	5.25	—	—
38	INSTRUMENTS AND RELATED PRODUCTS	225.84	230.72	242.79	245.40	\$249.45	5.59	5.60	5.98	6.00	\$6.04	—
381	Engineering and scientific instruments	247.99	256.61	259.15	258.52	—	5.99	5.94	6.29	6.29	—	—
382	Measuring and controlling devices	226.49	231.24	246.22	249.87	—	5.62	5.64	6.02	6.05	—	—
3822	Environmental controls	219.09	217.60	227.26	229.20	—	5.45	5.44	5.71	5.73	—	—
3823	Process control instruments	223.18	238.26	253.78	258.92	—	5.65	5.70	6.13	6.15	—	—
3825	Instruments to measure electricity	240.12	242.53	262.71	265.86	—	5.80	5.83	6.27	6.30	—	—
383	Optical instruments and lenses	269.55	262.11	285.29	298.68	—	5.99	5.93	6.44	6.55	—	—
384	Medical instruments and supplies	187.15	191.35	201.10	203.70	—	4.75	4.76	5.13	5.17	—	—
3841	Surgical and medical instruments	182.11	189.77	195.42	201.19	—	4.53	4.54	4.91	4.98	—	—
3842	Surgical appliances and supplies	192.08	192.76	206.17	207.09	—	4.90	4.93	5.30	5.31	—	—
385	Ophthalmic goods	168.21	176.34	184.39	183.26	—	4.45	4.51	4.74	4.76	—	—
386	Photographic equipment and supplies	301.68	308.02	323.25	327.85	—	7.20	7.18	7.66	7.66	—	—
387	Watches, clocks, and watchcases	172.09	172.92	179.57	181.66	—	4.39	4.40	4.64	4.67	—	—
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	173.66	179.40	190.30	191.95	194.33	4.57	4.60	4.93	4.96	4.97	—
391	Jewelry, silverware, and plated ware	169.37	182.21	188.24	190.00	—	4.59	4.77	4.98	5.00	—	—
3911	Jewelry, precious metal	170.66	178.60	180.81	184.63	—	4.60	4.75	4.90	4.99	—	—
393	Musical instruments	168.30	174.68	186.28	185.64	—	4.36	4.40	4.74	4.76	—	—
394	Toys and sporting goods	161.12	165.71	173.28	175.41	—	4.24	4.26	4.56	4.58	—	—
3942, 4	Dolls, games, toys, and children's vehicles	149.19	156.38	169.34	169.65	—	4.11	4.17	4.48	4.50	—	—
3949	Sporting and athletic goods, nec	169.30	171.94	175.64	179.57	—	4.33	4.32	4.61	4.64	—	—
395	Pens, pencils, office and art supplies	185.20	187.63	201.39	204.06	—	4.63	4.61	5.06	5.14	—	—
396	Costume jewelry and notions	148.43	151.20	157.96	159.94	—	3.99	4.00	4.19	4.22	—	—
3961	Costume jewelry	139.88	138.01	146.43	146.77	—	3.74	3.72	3.99	4.01	—	—
399	Miscellaneous manufactures	195.58	203.15	216.54	218.12	—	5.12	5.13	5.51	5.55	—	—
3993	Signs and advertising displays	205.84	210.45	227.76	226.98	—	5.46	5.41	5.84	5.82	—	—
	NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	222.66	224.76	240.56	239.12	243.36	5.68	5.69	6.09	6.10	6.13	—
201	Meat products	224.65	222.53	247.16	234.60	—	5.82	5.78	6.21	6.19	—	—
2011	Meat packing plants	284.97	279.45	316.30	295.26	—	6.90	6.90	7.46	7.40	—	—
2013	Sausages and other prepared meats	256.37	249.62	271.52	274.71	—	6.54	6.45	6.98	6.99	—	—
2016	Poultry dressing plants	125.25	129.22	146.15	138.16	—	3.62	3.64	3.95	3.97	—	—
202	Dairy products	232.82	233.23	250.92	252.56	—	5.61	5.62	6.12	6.13	—	—
2022	Cheese, natural and processed	210.41	212.78	222.32	230.54	—	5.30	5.28	5.73	5.80	—	—
2026	Fluid milk	243.96	242.38	263.55	262.29	—	5.70	5.73	6.26	6.26	—	—
203	Preserved fruits and vegetables	190.24	188.48	201.08	202.51	—	4.98	4.96	5.25	5.26	—	—
2032	Canned specialties	238.15	226.85	246.33	240.79	—	5.63	5.56	5.95	6.05	—	—
2033	Canned fruits and vegetables	190.04	191.52	198.68	206.31	—	5.15	5.08	5.27	5.29	—	—
2037	Frozen fruits and vegetables	166.90	168.36	181.42	186.24	—	4.56	4.60	4.93	4.94	—	—
204	Grain mill products	261.69	265.00	284.27	281.01	—	6.10	6.12	6.52	6.52	—	—
2041	Flour and other grain mill products	284.55	295.14	303.53	307.00	—	6.38	6.43	6.93	6.93	—	—
2048	Prepared feeds, nec	214.34	218.94	236.12	233.99	—	4.95	5.01	5.33	5.33	—	—
205	Bakery products	223.11	226.59	235.38	238.75	—	5.78	5.81	6.26	6.25	—	—
2051	Bread, cake, and related products	224.65	224.27	234.50	238.51	—	5.79	5.81	6.27	6.26	—	—
2052	Cookies and crackers	220.80	234.55	239.13	239.47	—	5.78	5.82	6.26	6.22	—	—
206	Sugar and confectionery products	205.30	217.72	225.43	227.74	—	5.46	5.54	5.81	5.90	—	—
2061-3	Cane and beet sugar	258.59	263.19	270.14	282.40	—	6.53	6.68	6.72	6.99	—	—
2065	Confectionery products	176.64	191.10	192.51	194.11	—	4.80	4.90	5.12	5.19	—	—
207	Fats and oils	240.12	245.44	277.69	280.08	—	5.86	5.83	6.34	6.38	—	—
208	Beverages	262.13	272.96	282.03	285.12	—	6.67	6.79	7.14	7.20	—	—
2082	Malt beverages	372.07	389.00	407.69	417.64	—	8.88	9.11	9.73	9.85	—	—
2086	Bottled and canned soft drinks	192.53	198.90	204.48	203.81	—	5.04	5.10	5.27	5.28	—	—
209	Misc. foods and kindred products	186.87	192.73	200.46	204.66	—	4.97	4.98	5.36	5.40	—	—
21	TOBACCO MANUFACTURES	229.07	242.55	233.57	240.01	251.78	6.06	6.30	6.47	6.63	6.75	—
211	Cigarettes	274.00	288.62	271.83	274.72	—	7.08	7.27	7.53	7.61	—	—
22	TEXTILE MILL PRODUCTS	166.82	169.30	180.35	179.10	181.30	4.16	4.17	4.52	4.50	4.51	—
221	Weaving mills, cotton	175.05	173.34	196.98	191.53	—	4.28	4.28	4.69	4.66	—	—
222	Weaving mills, synthetics	180.50	180.96	196.24	194.46	—	4.36	4.35	4.74	4.72	—	—
223	Weaving and finishing mills, wool	171.50	177.53	186.86	184.68	—	4.32	4.33	4.58	4.56	—	—
224	Narrow fabric mills	152.49	156.78	168.02	167.62	—	3.91	3.90	4.19	4.18	—	—
225	Knitting mills	148.21	151.32	154.56	155.40	—	3.89	3.89	4.20	4.20	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	36.2	42.1	43.7	43.2	—	3.4	3.3	5.2	5.2	—
3761	Guided missiles and space vehicles	34.1	42.0	42.6	41.7	—	3.3	3.1	4.4	4.3	—
379	Miscellaneous transportation equipment	38.2	39.2	37.9	37.7	—	2.5	2.9	1.5	1.8	—
3792	Travel trailers and campers	37.7	37.3	36.2	36.3	—	2.3	2.8	1.1	1.4	—
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	40.4	41.2	40.6	40.9	41.3	2.7	2.6	2.6	2.8	—
381	Measuring and controlling devices	41.4	43.2	41.2	41.1	—	2.9	3.3	3.3	3.2	—
382	Environmental controls	40.3	41.0	40.9	41.3	—	2.7	2.5	2.5	2.6	—
3822	Process control instruments	40.2	40.0	39.8	40.0	—	2.7	2.2	1.8	2.0	—
3823	Instruments to measure electricity	39.5	41.8	41.4	42.1	—	2.3	2.2	3.2	3.7	—
3825	Optical instruments and lenses	41.4	41.6	41.9	42.2	—	2.6	2.5	2.3	2.3	—
383	Medical instruments and supplies	45.0	44.2	44.3	45.6	—	4.6	3.7	3.8	4.6	—
384	Surgical and medical instruments	39.4	40.2	39.2	39.4	—	2.2	2.1	2.3	2.7	—
3841	Surgical appliances and supplies	40.2	41.8	39.8	40.4	—	2.3	2.3	3.2	3.7	—
3842	Ophthalmic goods	39.2	39.1	38.9	39.0	—	2.4	2.0	1.8	2.1	—
385	Photographic equipment and supplies	37.8	39.1	38.9	38.5	—	1.8	1.8	1.8	1.8	—
386	Watches, clocks, and watchcases	41.9	42.9	42.2	42.8	—	3.6	3.6	3.3	3.5	—
387	Watches, clocks, and watchcases	39.2	39.3	38.7	38.9	—	1.9	1.6	1.6	1.2	—
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	38.0	39.0	38.6	38.7	39.1	2.6	2.4	2.0	2.1	—
391	Jewelry, precious metal	36.9	38.2	37.8	38.0	—	3.0	3.0	1.9	1.9	—
3911	Musical instruments	37.1	37.6	36.9	37.0	—	3.4	3.3	1.9	1.7	—
393	Toys and sporting goods	38.6	39.7	39.3	39.0	—	2.1	2.2	1.3	1.5	—
394	Dolls, games, toys, and children's vehicles	38.0	38.9	38.0	38.3	—	1.9	1.9	1.7	1.8	—
3942, 4	Sporting and athletic goods, nec	36.3	37.5	37.8	37.7	—	1.5	1.5	1.6	1.6	—
3949	Pens, pencils, office and art supplies	39.1	39.8	38.1	38.7	—	2.1	2.1	1.9	1.9	—
395	Costume jewelry and notions	40.0	40.7	39.8	39.7	—	2.7	2.9	1.9	2.3	—
396	Costume jewelry	37.2	37.8	37.7	37.9	—	3.2	2.7	1.9	2.0	—
3961	Miscellaneous manufactures	37.4	37.1	36.7	36.6	—	3.3	2.5	1.6	1.6	—
399	Signs and advertising displays	38.2	39.6	39.3	39.3	—	2.7	2.5	2.3	2.6	—
3993	Signs and advertising displays	37.7	38.9	39.0	39.0	—	2.2	2.1	2.4	2.3	—
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	39.2	39.5	39.5	39.2	39.7	4.0	3.7	3.8	3.5	—
201	Meat packing plants	38.6	38.5	39.8	37.9	—	3.8	3.3	4.2	3.1	—
2011	Sausages and other prepared meats	41.3	40.5	42.4	39.9	—	4.7	4.1	5.3	3.8	—
2013	Poultry dressing plants	39.2	38.7	38.9	39.3	—	3.8	3.1	3.6	3.6	—
2016	Dairy products	34.6	35.5	37.0	34.8	—	2.4	2.3	3.0	2.2	—
202	Cheese, natural and processed	41.5	41.5	41.0	41.2	—	4.2	4.0	3.7	3.9	—
2022	Fluid milk	39.7	40.3	38.8	39.8	—	4.0	4.1	2.9	3.6	—
2026	Preserved fruits and vegetables	42.8	42.3	42.1	41.9	—	4.4	4.0	4.2	4.0	—
203	Canned specialties	38.2	38.0	38.3	38.5	—	3.6	2.8	2.9	3.0	—
2032	Canned fruits and vegetables	42.3	40.8	41.4	39.8	—	7.4	3.6	5.8	4.9	—
2033	Frozen fruits and vegetables	36.9	37.7	37.7	39.0	—	2.9	2.8	2.6	2.9	—
2037	Grain mill products	36.6	36.6	36.8	37.7	—	2.9	2.3	2.5	2.7	—
204	Flour and other grain mill products	42.9	43.3	43.6	43.1	—	6.3	6.2	6.5	6.1	—
2041	Prepared feeds, nec	44.6	45.9	43.8	44.3	—	6.6	6.7	6.3	6.5	—
2048	Bakery products	43.3	43.7	44.3	43.9	—	6.9	7.0	7.0	6.4	—
205	Bread, cake, and related products	38.6	39.0	37.6	38.2	—	3.4	3.3	2.8	3.0	—
2051	Cookies and crackers	38.8	38.6	37.4	38.1	—	3.6	3.5	3.1	3.4	—
2052	Sugar and confectionery products	38.2	40.3	38.2	38.5	—	2.6	2.8	1.8	1.8	—
206	Cane and beet sugar	37.6	39.3	38.8	38.6	—	3.2	3.1	3.1	2.9	—
2061-3	Confectionery products	39.6	39.4	40.2	40.4	—	5.1	4.1	4.9	4.8	—
2065	Fats and oils	36.8	39.0	37.6	37.4	—	2.4	2.6	2.3	2.1	—
207	Beverages	42.0	42.1	43.8	43.9	—	5.9	5.6	6.2	6.1	—
208	Malt beverages	39.3	40.2	39.5	39.6	—	3.7	3.9	3.4	3.6	—
2082	Bottled and canned soft drinks	41.9	42.7	41.9	42.4	—	5.2	5.1	5.2	6.0	—
2086	Misc. foods and kindred products	38.2	39.0	38.8	38.6	—	3.3	3.5	2.8	2.7	—
209	Misc. foods and kindred products	37.6	38.7	37.4	37.9	—	3.6	3.9	2.9	3.0	—
TOBACCO MANUFACTURES											
21	Cigarettes	37.8	38.5	36.1	36.2	37.3	1.8	2.4	.6	.7	—
211	Cigarettes	38.7	39.7	36.1	36.1	—	1.9	2.9	.2	.4	—
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	40.1	40.6	39.9	39.8	40.2	3.6	3.6	3.4	3.4	—
221	Weaving mills, synthetics	40.9	40.5	42.0	41.1	—	4.0	3.7	4.5	4.2	—
222	Weaving and finishing mills, wool	41.4	41.6	41.4	41.2	—	3.8	3.6	4.1	3.9	—
223	Narrow fabric mills	39.7	41.0	40.8	40.5	—	3.7	3.6	3.8	3.6	—
224	Knitting mills	39.0	40.2	40.1	40.1	—	3.2	3.1	2.7	2.6	—
225	Knitting mills	38.1	38.9	36.8	37.0	—	2.7	2.9	2.1	2.2	—

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. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$134.29	\$137.56	\$148.43	\$144.60	-	\$3.61	\$3.62	\$3.99	\$4.00	-
2252	Hosiery, nec	139.08	139.07	139.44	138.95	-	3.66	3.65	3.95	3.97	-
2253	Knit outerwear mills	142.45	146.30	144.14	148.57	-	3.85	3.85	4.13	4.15	-
2254	Knit underwear mills	139.49	140.61	143.24	144.44	-	3.70	3.71	3.99	3.99	-
2257	Circular knit fabric mills	170.80	175.46	182.56	186.19	-	4.27	4.29	4.61	4.62	-
226	Textile finishing, except wool	182.04	187.26	191.20	196.73	-	4.44	4.48	4.81	4.81	-
2261	Finishing plants, cotton	180.95	188.90	195.05	201.13	-	4.49	4.53	4.84	4.84	-
2262	Finishing plants, synthetics	194.79	193.39	202.10	205.73	-	4.66	4.66	4.99	5.03	-
227	Floor covering mills	172.99	181.88	189.78	193.02	-	4.24	4.31	4.64	4.64	-
228	Yarn and thread mills	157.93	160.31	167.96	167.56	-	3.89	3.91	4.22	4.21	-
2281	Yarn mills, except wool	162.18	162.63	169.64	169.24	-	3.88	3.90	4.22	4.21	-
2282	Throwing and winding mills	147.43	148.93	157.93	157.51	-	3.79	3.78	4.06	4.07	-
229	Miscellaneous textile goods	184.63	188.24	205.84	202.21	-	4.57	4.58	4.96	4.92	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	134.75	139.65	144.28	146.02	\$147.97	3.85	3.89	4.17	4.16	\$4.18
231	Men's and boys' suits and coats	168.61	172.80	177.41	175.90	-	4.79	4.80	5.04	5.04	-
232	Men's and boys' furnishings	127.09	127.81	132.86	136.35	-	3.58	3.57	3.84	3.83	-
2321	Men's and boys' shirts and nightwear	124.18	125.24	132.40	134.27	-	3.44	3.45	3.74	3.74	-
2327	Men's and boys' separate trousers	129.48	128.08	133.67	138.90	-	3.71	3.67	3.92	3.88	-
2328	Men's and boys' work clothing	125.30	124.96	135.28	137.98	-	3.50	3.51	3.80	3.77	-
233	Women's and misses' outerwear	127.16	133.56	135.71	137.94	-	3.83	3.86	4.10	4.13	-
2331	Women's and misses' blouses and waists	121.27	126.67	130.76	131.92	-	3.62	3.64	3.88	3.88	-
2336	Women's and misses' dresses	124.80	132.50	132.51	135.04	-	3.90	3.92	4.22	4.22	-
2337	Women's and misses' suits and coats	131.05	138.24	143.65	141.32	-	4.07	4.09	4.34	4.43	-
2339	Women's and misses' outerwear, nec	130.88	134.95	138.90	141.91	-	3.75	3.78	3.98	4.02	-
234	Women's and children's undergarments	123.90	127.79	131.86	139.49	-	3.52	3.54	3.80	3.81	-
2341	Women's and children's underwear	121.45	124.93	129.40	131.63	-	3.46	3.48	3.74	3.75	-
2342	Brassieres and allied garments	133.89	137.63	141.91	146.29	-	3.74	3.75	4.02	4.03	-
236	Children's outerwear	128.14	126.69	133.08	136.06	-	3.53	3.49	3.77	3.79	-
2361	Children's dresses and blouses	124.59	123.17	134.28	134.55	-	3.49	3.45	3.73	3.79	-
238	Misc. apparel and accessories	135.77	141.38	142.40	142.80	-	3.73	3.75	4.00	4.00	-
239	Misc. fabricated textile products	157.68	170.31	177.86	177.44	-	4.32	4.47	4.82	4.77	-
2391	Curtains and draperies	118.61	121.41	128.13	131.77	-	3.36	3.42	3.64	3.62	-
2392	House furnishing, nec	138.74	143.64	148.96	153.68	-	3.76	3.77	4.07	4.12	-
2396	Automotive and apparel trimmings	243.24	288.35	301.08	292.16	-	6.93	7.30	7.72	7.53	-
26	PAPER AND ALLIED PRODUCTS	264.81	272.39	289.68	289.33	292.66	6.32	6.32	6.80	6.84	6.87
261, 2, 8	Paper and pulp mills	317.90	323.10	353.99	355.72	-	7.16	7.18	7.78	7.87	-
262	Paper mills, except building paper	319.16	323.18	357.88	358.87	-	7.14	7.15	7.78	7.87	-
263	Paperboard mills	323.51	323.25	356.17	349.52	-	7.42	7.33	8.04	7.98	-
264	Misc. converted paper products	225.60	236.44	248.67	248.88	-	5.64	5.67	6.08	6.10	-
2641	Paper coating and glazing	274.78	283.39	297.72	301.46	-	6.42	6.47	6.86	6.93	-
2642	Envelopes	207.50	210.40	228.83	229.07	-	5.28	5.26	5.65	5.67	-
2643	Bags, except textile bags	216.14	225.50	237.64	236.33	-	5.39	5.46	5.74	5.75	-
266	Paperboard containers and boxes	229.80	240.69	251.32	247.66	-	5.66	5.69	6.10	6.10	-
2661	Folding paperboard boxes	241.94	254.29	258.54	252.96	-	5.93	5.90	6.26	6.20	-
2663	Corrugated and solid fiber boxes	243.19	252.52	266.46	263.45	-	5.86	5.90	6.39	6.41	-
2664	Sanitary food containers	213.73	224.05	231.58	225.89	-	5.33	5.36	5.69	5.69	-
27	PRINTING AND PUBLISHING	234.58	241.42	248.20	250.88	255.07	6.34	6.37	6.69	6.69	6.73
271	Newspapers	232.21	231.20	235.87	240.77	-	6.87	6.80	7.02	7.04	-
272	Periodicals	229.28	223.11	235.62	232.86	-	5.94	5.78	6.12	6.08	-
273	Books	215.90	220.99	227.89	228.10	-	5.55	5.47	5.95	5.94	-
2731	Book publishing	210.36	210.01	218.83	215.67	-	5.38	5.29	5.64	5.53	-
2732	Book printing	221.36	231.24	237.38	241.54	-	5.72	5.64	6.28	6.39	-
274	Miscellaneous publishing	207.38	208.12	208.86	205.25	-	5.62	5.64	5.90	5.67	-
275	Commercial printing	245.59	257.67	264.73	266.50	-	6.48	6.59	6.93	6.94	-
2751	Commercial printing, letterpress	234.70	242.97	246.35	247.54	-	6.16	6.23	6.50	6.48	-
2752	Commercial printing, lithographic	253.34	268.91	275.66	278.31	-	6.72	6.86	7.16	7.21	-
278	Manifold business forms	237.80	243.19	268.97	262.11	-	5.96	5.99	6.45	6.44	-
278	Blankbooks and bookbinding	184.70	191.69	200.98	205.65	-	4.81	4.89	5.18	5.18	-
279	Printing trade services	304.61	321.60	328.88	337.93	-	8.30	8.31	8.77	8.94	-
28	CHEMICALS AND ALLIED PRODUCTS	282.35	286.86	305.24	304.93	309.12	6.82	6.83	7.32	7.33	7.36
281	Industrial inorganic chemicals	306.91	310.17	330.54	333.06	-	7.36	7.35	7.87	7.93	-
2819	Industrial inorganic chemicals, nec	301.81	303.58	327.02	329.06	-	7.29	7.28	7.88	7.91	-
282	Plastics materials and synthetics	279.47	281.72	300.30	300.89	-	6.67	6.66	7.15	7.13	-
2821	Plastics materials and resins	308.98	312.77	332.13	332.64	-	7.27	7.24	7.76	7.70	-
2824	Organic fibers, noncellulosic	258.55	260.00	277.79	281.22	-	6.23	6.22	6.71	6.76	-
283	Drugs	259.72	262.86	276.30	277.69	-	6.35	6.38	6.69	6.74	-
2834	Pharmaceutical preparations	249.42	253.58	267.32	267.55	-	6.22	6.20	6.52	6.59	-

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. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	37.2	38.0	37.2	36.2	—	2.2	2.3	2.0	2.1	—
2252	Hosiery, nec	38.0	38.1	35.3	35.0	—	2.0	2.1	1.5	1.8	—
2253	Knit outerwear mills	37.0	38.0	34.9	35.8	—	2.4	2.4	1.3	1.9	—
2254	Knit underwear mills	37.7	37.9	35.9	36.2	—	2.3	2.2	1.3	1.3	—
2257	Circular knit fabric mills	40.0	40.9	39.6	40.3	—	4.0	4.5	3.8	3.8	—
226	Textile finishing, except wool	41.0	41.8	40.0	40.9	—	4.0	4.5	3.3	3.7	—
2261	Finishing plants, cotton	40.3	41.7	40.3	41.3	—	3.9	4.7	3.5	3.8	—
2262	Finishing plants, synthetics	41.8	41.5	40.5	40.9	—	4.7	4.2	3.8	4.2	—
227	Floor covering mills	40.8	42.2	40.9	41.6	—	3.7	4.4	4.3	4.6	—
228	Yarn and thread mills	40.6	41.0	39.8	39.8	—	3.8	3.9	3.3	3.2	—
2281	Yarn mills, except wool	41.8	41.7	40.2	40.2	—	4.3	4.3	3.6	3.5	—
2282	Throwing and winding mills	38.9	39.4	38.9	38.7	—	2.9	3.0	2.7	2.9	—
229	Miscellaneous textile goods	40.4	41.1	41.5	41.1	—	4.0	3.7	4.0	3.6	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.0	35.9	34.6	35.1	35.4	1.2	1.3	.9	1.0	—
231	Men's and boys' suits and coats	35.2	36.0	35.2	34.9	—	.8	.8	.8	.8	—
232	Men's and boys' furnishings	35.5	35.8	34.6	35.6	—	1.0	1.0	.7	.8	—
2321	Men's and boys' shirts and nighwear	36.1	36.3	35.4	35.9	—	1.0	1.1	.8	1.0	—
2327	Men's and boys' separate trousers	34.9	34.9	34.1	35.8	—	1.0	.9	.4	.7	—
2328	Men's and boys' work clothing	35.8	35.6	35.6	36.6	—	.9	.7	.8	.8	—
233	Women's and misses' outerwear	33.2	34.6	33.1	33.4	—	1.3	1.4	.9	1.0	—
2331	Women's and misses' blouses and waists	33.5	34.8	33.7	34.0	—	.9	1.1	.9	.9	—
2335	Women's and misses' dresses	32.0	33.8	31.4	32.0	—	1.3	1.4	.8	1.0	—
2337	Women's and misses' suits and coats	32.2	33.8	33.1	31.9	—	1.3	1.4	.7	.6	—
2339	Women's and misses' outerwear, nec	34.9	35.7	34.9	35.3	—	1.5	1.5	1.1	1.2	—
234	Women's and children's undergarments	35.2	36.1	34.7	35.3	—	.9	1.0	.6	.8	—
2341	Women's and children's underwear	35.1	35.9	34.6	35.1	—	.9	1.0	.7	.8	—
2342	Brassieres and allied garments	35.8	36.7	35.3	36.3	—	1.1	1.1	.4	.8	—
236	Children's outerwear	36.3	36.3	35.3	35.9	—	2.2	1.7	.9	1.4	—
2361	Children's dresses and blouses	35.7	35.7	36.0	35.5	—	2.5	1.8	1.2	1.6	—
238	Misc. apparel and accessories	36.4	37.7	35.6	35.7	—	1.2	1.4	1.2	1.1	—
239	Misc. fabricated textile products	36.5	38.1	36.9	37.2	—	1.7	1.9	1.7	1.5	—
2391	Curtains and draperies	35.3	35.5	35.2	36.4	—	.7	1.0	1.0	.8	—
2392	House furnishings, nec	36.9	38.1	36.6	37.3	—	1.5	1.4	1.5	1.4	—
2396	Automotive and apparel trimmings	35.1	39.5	39.0	38.8	—	1.5	3.2	3.3	2.4	—
26	PAPER AND ALLIED PRODUCTS	41.9	43.1	42.6	42.3	42.6	5.0	5.0	4.9	4.7	—
261, 2, 6	Paper and pulp mills	44.4	45.0	45.5	45.2	—	6.3	6.4	7.1	6.7	—
262	Paper mills, except building paper	44.7	45.2	46.0	45.6	—	6.4	6.5	7.3	6.8	—
263	Paperboard mills	43.6	44.1	44.3	43.8	—	7.6	7.0	7.0	6.8	—
264	Misc. converted paper products	40.0	41.7	40.9	40.8	—	3.8	3.9	3.6	3.5	—
2641	Paper coating and glazing	42.8	43.8	43.4	43.5	—	5.3	5.5	5.4	5.7	—
2642	Envelopes	39.3	40.0	40.5	40.4	—	2.9	3.1	3.2	2.9	—
2643	Bags, except textile bags	40.1	41.3	41.4	41.1	—	3.5	3.8	3.6	3.4	—
265	Paperboard containers and boxes	40.6	42.3	41.2	40.6	—	4.0	4.1	3.6	3.2	—
2651	Folding paperboard boxes	40.8	43.1	41.3	40.8	—	4.5	4.7	3.5	2.9	—
2653	Corrugated and solid fiber boxes	41.5	42.8	41.7	41.1	—	4.4	4.4	4.0	3.7	—
2654	Sanitary food containers	40.1	41.8	40.7	39.7	—	3.2	3.4	3.2	2.7	—
27	PRINTING AND PUBLISHING	37.0	37.9	37.1	37.5	37.9	2.8	3.1	2.6	2.8	—
271	Newspapers	33.8	34.0	33.6	34.2	—	1.7	1.8	1.7	1.9	—
272	Periodicals	38.6	38.6	38.5	38.3	—	3.7	3.4	3.1	2.8	—
273	Books	38.9	40.4	38.3	38.4	—	4.0	4.1	3.3	3.4	—
2731	Book publishing	39.1	39.7	38.8	39.0	—	3.6	3.4	2.2	2.2	—
2732	Book printing	38.7	41.0	37.8	37.8	—	4.4	4.8	4.4	4.7	—
274	Miscellaneous publishing	36.9	36.9	35.4	36.2	—	2.4	2.5	2.1	2.3	—
275	Commercial printing	37.9	39.1	38.2	38.4	—	3.3	3.9	3.0	3.2	—
2751	Commercial printing, letterpress	38.1	39.0	37.9	38.2	—	3.0	3.5	2.6	2.9	—
2752	Commercial printing, lithographic	37.7	39.2	38.5	38.6	—	3.4	4.2	3.3	3.4	—
276	Manifold business forms	39.9	40.6	41.7	40.7	—	3.3	3.2	4.0	3.3	—
278	Blankbooks and bookbinding	38.4	39.2	38.8	39.7	—	2.3	2.5	2.1	1.9	—
279	Printing trade service	36.7	38.7	37.5	37.8	—	2.9	3.6	2.8	3.2	—
28	CHEMICALS AND ALLIED PRODUCTS	41.4	42.0	41.7	41.6	42.0	3.6	3.5	3.5	3.4	—
281	Industrial inorganic chemicals	41.7	42.2	42.0	42.0	—	3.9	3.7	3.7	3.6	—
2819	Industrial inorganic chemicals, nec	41.4	41.7	41.5	41.6	—	3.4	3.1	2.9	3.0	—
282	Plastics materials and synthetics	41.9	42.3	42.0	42.2	—	3.4	3.1	3.4	3.4	—
2821	Plastics materials and resins	42.5	43.2	42.8	43.2	—	4.8	4.4	4.5	4.3	—
2824	Organic fibers, noncellulosic	41.5	41.8	41.4	41.6	—	2.5	2.2	2.3	2.7	—
283	Drugs	40.9	41.2	41.3	41.2	—	3.2	3.2	2.9	2.7	—
2834	Pharmaceutical preparations	40.1	40.9	41.0	40.6	—	3.1	3.1	2.8	2.6	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	
	CHEMICALS AND ALLIED PRODUCTS—Cont'd											
284	Soap, cleaners, and toilet goods	\$258.45	\$267.73	\$280.30	\$279.60	—	\$6.51	\$6.53	\$6.99	\$6.99	—	
2841	Soap and other detergents	352.64	359.42	392.43	384.34	—	8.22	8.32	8.98	8.98	—	
2842, 3	Polishing, sanitation, and finishing preparations	232.43	241.02	247.50	248.92	—	5.84	5.85	6.25	6.27	—	
2844	Toilet preparations	202.17	213.25	212.06	216.22	—	5.42	5.44	5.64	5.69	—	
285	Paints and allied products	254.62	261.88	269.94	269.94	—	6.18	6.25	6.60	6.60	—	
286	Industrial organic chemicals	333.06	341.23	371.95	371.49	—	7.93	8.01	8.65	8.70	—	
2865	Cyclic crudes and intermediates	310.90	319.18	339.29	341.52	—	7.42	7.44	8.04	8.19	—	
2861, 9	Gum, wood, and industrial organic chemicals, nec	340.62	348.93	383.64	382.27	—	8.11	8.21	8.86	8.89	—	
287	Agricultural chemicals	272.41	271.79	299.06	296.24	—	6.44	6.38	7.07	7.02	—	
289	Miscellaneous chemical products	264.77	267.30	281.25	281.52	—	6.38	6.41	6.81	6.80	—	
29	PETROLEUM AND COAL PRODUCTS	360.80	365.50	384.77	388.52	\$392.90	8.57	8.50	8.99	9.08	\$9.18	
291	Petroleum refining	393.47	394.62	412.48	416.50	—	9.28	9.22	9.66	9.80	—	
295	Paving and roofing materials	249.37	271.45	299.53	303.46	—	5.98	6.10	6.87	6.85	—	
30	RUBBER AND MISC. PLASTICS PRODUCTS	210.54	216.52	238.38	240.37	242.19	5.33	5.32	5.80	5.82	5.85	
301	Tires and inner tubes	305.21	302.66	375.42	377.10	—	7.39	7.40	8.38	8.38	—	
302	Rubber and plastics footwear	138.01	145.51	149.20	155.93	—	3.74	3.76	4.00	4.05	—	
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	213.17	218.97	244.67	249.31	—	5.48	5.42	5.91	5.95	—	
306	Fabricated rubber products, nec	200.66	206.96	225.50	227.69	—	5.08	5.11	5.50	5.54	—	
307	Miscellaneous plastics products	192.47	200.74	212.91	214.77	—	4.91	4.92	5.27	5.29	—	
31	LEATHER AND LEATHER PRODUCTS	138.24	142.05	149.92	148.93	149.76	3.84	3.86	4.13	4.16	4.16	
311	Leather tanning and finishing	199.87	203.11	207.48	206.03	—	5.06	5.04	5.32	5.31	—	
314	Footwear, except rubber	132.46	136.15	144.32	141.91	—	3.70	3.72	4.02	4.02	—	
3143	Men's footwear, except athletic	142.46	148.22	153.09	154.61	—	3.84	3.87	4.16	4.19	—	
3144	Women's footwear, except athletic	123.84	124.89	138.06	131.92	—	3.60	3.62	3.90	3.88	—	
316	Luggage	133.33	146.52	152.51	149.73	—	3.98	4.07	4.26	4.51	—	
317	Handbags and personal leather goods	132.02	133.20	142.30	147.23	—	3.74	3.70	3.92	3.99	—	
—	TRANSPORTATION AND PUBLIC UTILITIES	294.80	294.33	312.44	312.42	313.98	7.37	7.34	7.89	7.83	7.83	
	RAILROAD TRANSPORTATION:											
4011	Class I railroads ²	351.00	343.74	375.76	(*)	—	7.87	7.69	8.54	(*)	—	
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	182.72	185.16	194.03	195.71	—	5.39	5.43	5.69	5.64	—	
411	Local and suburban transportation	281.48	282.73	276.74	288.23	—	6.75	6.78	6.85	6.83	—	
413	Intercity highway transportation	274.64	272.58	306.81	294.94	—	7.65	7.70	8.57	8.17	—	
42	TRUCKING AND WAREHOUSING	297.88	300.92	311.64	321.60	—	7.41	7.43	7.95	8.04	—	
421, 3	Trucking and trucking terminals	304.27	307.34	317.91	328.42	—	7.55	7.57	8.11	8.19	—	
422	Public warehousing	205.29	212.65	216.16	219.43	—	5.36	5.37	5.60	5.67	—	
46	PIPE LINES, EXCEPT NATURAL GAS	367.28	370.77	385.53	393.74	—	8.98	8.87	9.05	9.58	—	
48	COMMUNICATION	285.20	283.06	303.73	300.56	—	7.13	7.13	7.67	7.59	—	
481	Telephone communication	294.19	291.60	314.41	309.66	—	7.68	7.75	7.88	7.80	—	
4817	Switchboard operating employees ³	228.86	213.85	219.56	221.62	—	6.27	6.11	6.42	6.35	—	
4818	Line construction employees ⁴	401.34	400.49	427.55	412.83	—	8.84	8.88	9.48	9.34	—	
483	Radio and television broadcasting	239.27	241.68	259.16	254.13	—	6.28	6.36	6.82	6.67	—	
49	ELECTRIC, GAS, AND SANITARY SERVICES ..	312.25	310.57	338.02	333.60	—	7.47	7.43	8.01	8.00	—	
491	Electric services	316.59	316.08	347.49	338.10	—	7.52	7.49	8.10	8.05	—	
492	Gas production and distribution	284.69	283.31	302.33	302.94	—	6.91	6.91	7.41	7.48	—	
483	Combination utility services	346.94	342.37	375.24	374.82	—	8.32	8.23	8.85	8.84	—	
496	Sanitary services	258.50	253.11	267.90	270.22	—	5.97	5.90	6.44	6.48	—	
—	WHOLESALE AND RETAIL TRADE	146.64	149.11	158.22	159.54	160.85	4.54	4.56	4.96	4.97	4.98	
50, 51	WHOLESALE TRADE	217.34	220.20	237.70	238.08	241.10	5.66	5.69	6.19	6.20	6.23	
50	WHOLESALE TRADE-DURABLE GOODS	220.00	223.83	240.40	240.40	—	5.67	5.71	6.18	6.18	—	
501	Motor vehicles and automotive equipment	198.12	201.98	219.27	221.18	—	5.20	5.26	5.74	5.76	—	
502	Furniture and home furnishings	190.01	190.76	207.94	205.72	—	5.04	5.06	5.56	5.53	—	
503	Lumber and construction materials	216.19	217.70	240.09	240.09	—	5.63	5.64	6.22	6.22	—	
504	Sporting goods, toys, and hobby goods	225.22	229.36	236.33	232.58	—	5.99	6.02	6.37	6.32	—	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	39.7	41.0	40.1	40.0	-	3.6	3.5	3.1	2.9	-
2841	Soap and other detergents	42.9	43.2	43.7	42.8	-	5.6	5.3	5.5	4.9	-
2842, 3	Polishing, sanitation, and finishing preparations	39.8	41.2	39.6	39.7	-	3.5	3.7	2.7	2.9	-
2844	Toilet preparations	37.3	39.2	37.6	38.0	-	2.1	2.1	1.5	1.4	-
285	Paints and allied products	41.2	41.9	40.9	40.9	-	3.4	3.6	3.0	3.0	-
286	Industrial organic chemicals	42.0	42.6	43.0	42.7	-	3.5	3.5	4.0	3.7	-
2865	Cyclic crudes and intermediates	41.9	42.9	42.2	41.7	-	4.5	4.2	4.1	3.8	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.0	42.5	43.3	43.0	-	3.2	3.3	4.0	3.7	-
287	Agricultural chemicals	42.3	42.6	42.3	42.2	-	4.9	5.2	4.8	4.6	-
289	Miscellaneous chemical products	41.5	41.7	41.3	41.4	-	3.8	3.5	3.5	3.3	-
29	PETROLEUM AND COAL PRODUCTS	42.1	43.0	42.8	42.8	42.8	3.8	3.8	4.2	4.1	-
291	Petroleum refining	42.4	42.8	42.7	42.5	-	3.5	3.2	3.8	3.7	-
296	Paving and roofing materials	41.7	44.5	43.6	44.3	-	5.6	6.4	6.2	6.0	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	39.5	40.7	41.1	41.3	41.4	3.4	3.4	3.7	3.8	-
301	Tires and inner tubes	41.3	40.9	44.8	45.0	-	3.7	3.3	6.0	6.1	-
302	Rubber and plastics footwear	36.9	38.7	37.3	38.5	-	2.3	2.3	1.9	2.2	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	38.9	40.4	41.4	41.9	-	4.1	3.5	4.3	4.7	-
306	Fabricated rubber products, nec	39.5	40.5	41.0	41.1	-	3.2	3.1	3.6	3.5	-
307	Miscellaneous plastics products	39.2	40.8	40.4	40.6	-	3.4	3.6	3.3	3.4	-
31	LEATHER AND LEATHER PRODUCTS	36.0	36.8	36.3	35.8	36.0	1.7	1.9	1.4	1.4	-
311	Leather tanning and finishing	39.5	40.3	39.0	38.8	-	3.4	3.7	2.7	2.5	-
314	Footwear, except rubber	35.8	36.6	35.9	35.3	-	1.5	1.6	1.1	1.2	-
3143	Men's footwear, except athletic	37.1	38.3	36.8	36.9	-	1.8	2.2	.9	1.3	-
3144	Women's footwear, except athletic	34.4	34.5	35.4	34.0	-	1.3	1.2	1.4	1.3	-
316	Luggage	33.5	36.0	35.8	33.2	-	1.7	1.6	1.9	1.4	-
317	Handbags and personal leather goods	35.3	36.0	36.3	36.9	-	1.9	1.9	1.5	1.8	-
	TRANSPORTATION AND PUBLIC UTILITIES	40.0	40.1	39.6	39.9	40.1	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	44.6	44.7	44.0	(*)	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	33.9	34.1	34.1	34.7	-	-	-	-	-	-
411	Local and suburban transportation	41.7	41.7	40.4	42.2	-	-	-	-	-	-
413	Intercity highway transportation	35.9	35.4	35.8	36.1	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	40.2	40.5	39.2	40.0	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	40.3	40.6	39.2	40.1	-	-	-	-	-	-
422	Public warehousing	38.3	39.6	38.6	38.7	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	40.9	41.8	42.6	41.1	-	-	-	-	-	-
48	COMMUNICATION	40.0	39.7	39.6	39.6	-	-	-	-	-	-
481	Telephone communication	40.3	40.0	39.9	39.7	-	-	-	-	-	-
4817	Switchboard operating employees ³	36.5	35.0	34.2	34.9	-	-	-	-	-	-
4818	Line construction employees ⁴	45.4	45.1	45.1	44.2	-	-	-	-	-	-
483	Radio and television broadcasting	38.1	38.0	38.0	38.1	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.8	41.8	42.2	41.7	-	-	-	-	-	-
491	Electric services	42.1	42.2	42.9	42.0	-	-	-	-	-	-
492	Gas production and distribution	41.2	41.0	40.8	40.5	-	-	-	-	-	-
493	Combination utility services	41.7	41.6	42.4	42.4	-	-	-	-	-	-
495	Sanitary services	43.3	42.9	41.6	41.7	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.3	32.7	31.9	32.1	32.3	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.4	38.7	38.4	38.4	38.7	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.8	39.2	38.9	38.9	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.1	38.4	38.2	38.4	-	-	-	-	-	-
502	Furniture and home furnishings	37.7	37.7	37.4	37.2	-	-	-	-	-	-
503	Lumber and construction materials	38.4	38.6	38.6	38.6	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.6	38.1	37.1	36.8	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p
	WHOLESALE TRADE-DURABLE GOODS—Continued										
506	Metals and minerals, except petroleum	\$256.36	\$258.70	\$276.75	\$285.29	-	\$6.49	\$6.50	\$7.06	\$7.15	-
506	Electrical goods	220.99	227.56	239.23	237.88	-	5.74	5.82	6.23	6.26	-
507	Hardware, plumbing, and heating equipment	210.48	213.95	226.18	224.06	-	5.51	5.50	5.89	5.85	-
508	Machinery, equipment, and supplies	234.24	236.81	256.71	255.67	-	5.93	5.95	6.45	6.44	-
509	Miscellaneous durable goods	188.75	191.98	205.21	208.12	-	4.89	4.91	5.33	5.35	-
51	WHOLESALE TRADE-NON-DURABLE GOODS	214.14	216.03	233.98	234.87	-	5.65	5.67	6.19	6.23	-
511	Paper and paper products	231.58	234.33	271.91	270.39	-	6.31	6.42	7.47	7.49	-
512	Drugs, proprietaries, and sundries	223.47	221.76	241.15	245.24	-	5.85	5.79	6.28	6.42	-
513	Apparel, piece goods, and notions	187.88	190.58	207.06	209.66	-	5.19	5.25	5.72	5.76	-
514	Groceries and related products	220.99	221.76	236.12	235.87	-	5.77	5.76	6.23	6.24	-
516	Chemicals and allied products	247.65	250.90	275.32	283.69	-	6.50	6.50	6.97	7.11	-
517	Petroleum and petroleum products	257.26	259.52	292.87	295.07	-	6.48	6.57	7.34	7.47	-
518	Beer, wine, and distilled beverages	241.66	250.04	268.19	263.00	-	6.41	6.58	7.19	7.07	-
519	Miscellaneous nondurable goods	177.00	178.42	191.25	193.13	-	4.72	4.72	5.10	5.15	-
52-59	RETAIL TRADE	124.64	126.59	133.65	134.85	\$135.44	4.10	4.11	4.47	4.48	\$4.47
52	BUILDING MATERIALS AND GARDEN SUPPLIES	163.24	166.42	176.89	177.74	-	4.46	4.51	4.82	4.83	-
521	Lumber and other building materials	179.92	185.08	194.54	196.06	-	4.71	4.77	5.04	5.04	-
526	Hardware stores	131.25	132.33	139.52	140.28	-	3.75	3.77	4.14	4.20	-
53	GENERAL MERCHANDISE STORES	112.35	116.22	121.76	123.76	-	3.97	3.98	4.38	4.42	-
531	Department stores	116.60	120.60	125.48	128.24	-	4.12	4.13	4.53	4.58	-
533	Variety stores	92.02	94.95	108.36	106.75	-	3.31	3.32	3.87	3.84	-
539	Misc. general merchandise stores	93.47	95.68	96.16	96.53	-	3.19	3.20	3.41	3.46	-
54	FOOD STORES	161.48	161.79	173.40	172.92	-	5.11	5.12	5.54	5.56	-
541	Grocery stores	167.79	168.43	180.69	180.18	-	5.26	5.28	5.70	5.72	-
546	Retail bakeries	110.21	111.27	113.29	118.69	-	3.84	3.85	4.09	4.15	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	173.90	177.44	188.37	191.11	-	4.70	4.77	5.05	5.11	-
551, 2	New and used car dealers	212.57	220.20	226.18	232.93	-	5.55	5.69	5.89	6.05	-
553	Auto and home supply stores	168.56	169.12	195.46	189.07	-	4.30	4.26	4.85	4.68	-
554	Gasoline service stations	125.24	125.24	132.86	134.68	-	3.63	3.63	3.84	3.87	-
56	APPAREL AND ACCESSORY STORES	103.89	104.40	113.26	112.40	-	3.62	3.60	3.96	3.93	-
561	Men's and boys' clothing and furnishings	130.21	127.66	148.07	144.26	-	4.16	4.04	4.57	4.48	-
562	Women's ready-to-wear stores	93.01	94.02	98.28	98.74	-	3.37	3.37	3.60	3.63	-
565	Family clothing stores	98.38	100.25	109.13	108.59	-	3.44	3.41	3.87	3.81	-
566	Shoe stores	107.07	108.59	114.40	114.39	-	3.77	3.81	4.13	4.10	-
57	FURNITURE AND HOME FURNISHINGS STORES	158.93	163.10	177.10	174.50	-	4.58	4.66	5.06	5.00	-
571	Furniture and home furnishings	165.43	169.31	182.00	179.40	-	4.74	4.81	5.23	5.17	-
572	Household appliance stores	166.97	173.04	187.95	192.03	-	4.73	4.82	5.25	5.29	-
573	Radio, television, and music stores	135.81	140.61	158.90	151.70	-	4.03	4.16	4.54	4.41	-
58	EATING AND DRINKING PLACES⁵	82.85	84.74	87.38	88.84	-	3.15	3.15	3.44	3.43	-
59	MISCELLANEOUS RETAIL	129.60	130.33	139.16	139.67	-	4.00	4.01	4.39	4.42	-
591	Drug stores and proprietary stores	113.70	114.38	123.32	122.11	-	3.79	3.80	4.03	4.03	-
594	Miscellaneous shopping goods stores	114.33	116.49	124.61	123.60	-	3.70	3.71	4.14	4.12	-
596	Nonstore retailers	156.73	166.52	168.99	166.86	-	4.44	4.60	5.09	5.15	-
598	Fuel and ice dealers	234.00	209.35	246.03	269.37	-	5.48	5.26	5.90	6.15	-
599	Retail stores, nec	122.36	122.88	134.83	139.63	-	3.80	3.84	4.24	4.27	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁶	173.26	172.79	186.73	188.92	186.48	4.76	4.76	5.13	5.19	5.18
60	BANKING	152.40	149.92	160.31	161.77	-	4.13	4.13	4.38	4.42	-
602	Commercial and stock savings banks	149.45	147.02	157.32	159.21	-	4.05	4.05	4.31	4.35	-
61	CREDIT AGENCIES OTHER THAN BANKS	157.61	157.32	167.17	166.88	-	4.33	4.31	4.58	4.61	-
612	Savings and loan associations	150.54	149.40	158.95	159.31	-	4.17	4.15	4.44	4.45	-
614	Personal credit institutions	152.46	152.57	164.78	164.62	-	4.20	4.18	4.49	4.56	-
63	INSURANCE CARRIERS	190.32	191.21	205.72	206.83	-	5.13	5.14	5.53	5.56	-
631	Life insurance	191.36	191.73	206.62	208.13	-	5.20	5.21	5.63	5.61	-
632	Medical service and health insurance	186.85	187.45	201.08	204.06	-	4.93	4.92	5.25	5.37	-
633	Fire, marine, and casualty insurance	190.55	191.07	206.65	206.64	-	5.15	5.15	5.57	5.60	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.5	39.8	39.2	39.9	-	-	-	-	-	
506	Electrical goods	38.5	39.1	38.4	38.0	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.2	38.9	38.4	38.3	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.5	39.8	39.8	39.7	-	-	-	-	-	
509	Miscellaneous durable goods	38.6	39.1	38.5	38.9	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	37.9	38.1	37.8	37.7	-	-	-	-	-	
511	Paper and paper products	36.7	36.5	36.4	36.1	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	38.2	38.3	38.4	38.2	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.2	36.3	36.2	36.4	-	-	-	-	-	
514	Groceries and related products	38.3	38.5	37.9	37.8	-	-	-	-	-	
516	Chemicals and allied products	38.1	38.6	39.5	39.9	-	-	-	-	-	
517	Petroleum and petroleum products	39.7	39.5	39.5	39.5	-	-	-	-	-	
518	Beer, wine, and distilled beverages	37.7	38.0	37.3	37.2	-	-	-	-	-	
519	Miscellaneous nondurable goods	37.5	37.8	37.5	37.5	-	-	-	-	-	
52-59	RETAIL TRADE	30.4	30.8	29.9	30.1	30.3	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	36.6	36.9	36.7	36.8	-	-	-	-	-	
521	Lumber and other building materials	38.2	38.8	38.6	38.9	-	-	-	-	-	
525	Hardware stores	35.0	35.1	33.7	33.4	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	28.3	29.2	27.8	28.0	-	-	-	-	-	
531	Department stores	28.3	29.2	27.7	28.0	-	-	-	-	-	
533	Variety stores	27.8	28.6	28.0	27.8	-	-	-	-	-	
539	Misc. general merchandise stores	29.3	29.9	28.2	27.9	-	-	-	-	-	
54	FOOD STORES	31.6	31.6	31.3	31.1	-	-	-	-	-	
541	Grocery stores	31.9	31.9	31.7	31.5	-	-	-	-	-	
546	Retail bakeries	28.7	28.9	27.7	28.6	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.0	37.2	37.3	37.4	-	-	-	-	-	
551, 2	New and used car dealers	38.3	38.7	38.4	38.5	-	-	-	-	-	
553	Auto and home supply stores	39.2	39.7	40.3	40.4	-	-	-	-	-	
554	Gasoline service stations	34.5	34.5	34.6	34.8	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	28.7	29.0	28.6	28.6	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.3	31.6	32.4	32.2	-	-	-	-	-	
562	Women's ready-to-wear stores	27.6	27.9	27.3	27.2	-	-	-	-	-	
565	Family clothing stores	28.6	29.4	28.2	28.5	-	-	-	-	-	
566	Shoe stores	28.4	28.5	27.7	27.9	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.7	35.0	35.0	34.9	-	-	-	-	-	
571	Furniture and home furnishings	34.9	35.2	34.8	34.7	-	-	-	-	-	
572	Household appliance stores	35.3	35.9	35.8	36.3	-	-	-	-	-	
573	Radio, television, and music stores	33.7	33.8	35.0	34.4	-	-	-	-	-	
58	EATING AND DRINKING PLACES ⁵	26.3	26.9	25.4	25.9	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	32.4	32.5	31.7	31.6	-	-	-	-	-	
591	Drug stores and proprietary stores	30.0	30.1	30.6	30.3	-	-	-	-	-	
594	Miscellaneous shopping goods stores	30.9	31.4	30.1	30.0	-	-	-	-	-	
596	Nonstore retailers	35.3	36.2	33.2	32.4	-	-	-	-	-	
598	Fuel and ice dealers	42.7	39.8	41.7	43.8	-	-	-	-	-	
599	Retail stores, nec	32.2	32.0	31.8	32.7	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE ⁶	36.4	36.3	36.4	36.4	36.0	-	-	-	-	
60	BANKING	36.9	36.3	36.6	36.6	-	-	-	-	-	
602	Commercial and stock savings banks	36.9	36.3	36.5	36.6	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.4	36.5	36.5	36.2	-	-	-	-	-	
612	Savings and loan associations	36.1	36.0	35.8	35.8	-	-	-	-	-	
614	Personal credit institutions	36.3	36.5	36.7	36.1	-	-	-	-	-	
63	INSURANCE CARRIERS	37.1	37.2	37.2	37.2	-	-	-	-	-	
631	Life insurance	36.8	36.8	36.7	37.1	-	-	-	-	-	
632	Medical service and health insurance	37.9	38.1	38.3	38.0	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.0	37.1	37.1	36.9	-	-	-	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. ^p 1979	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p
-	SERVICES	\$160.56	\$161.05	\$169.78	\$171.28	\$172.13	\$4.91	\$4.91	\$5.24	\$5.27	\$5.28
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts	109.65	110.05	116.40	118.95	-	3.56	3.55	3.88	3.90	-
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	124.05	126.22	135.43	135.26	-	3.67	3.68	3.96	3.99	-
723	Beauty shops	114.68	121.98	116.10	119.56	-	3.76	3.86	3.87	3.92	-
73	BUSINESS SERVICES	165.64	166.66	171.51	173.66	-	5.05	5.02	5.31	5.36	-
731	Advertising	246.63	249.12	263.16	262.07	-	6.87	6.92	7.31	7.30	-
734	Services to buildings	118.15	123.67	124.35	125.82	-	4.25	4.37	4.64	4.66	-
737	Computer and data processing services	200.93	203.87	218.65	218.53	-	5.52	5.54	6.04	6.02	-
75	AUTO REPAIR, SERVICES, AND GARAGES ...	179.82	182.40	195.24	193.65	-	4.86	4.89	5.32	5.32	-
753	Automotive repair shops	202.26	207.37	218.50	217.55	-	5.24	5.29	5.69	5.71	-
76	MISCELLANEOUS REPAIR SERVICES	232.85	238.58	252.13	250.67	-	5.88	5.92	6.21	6.22	-
78	MOTION PICTURES	194.10	186.26	205.07	214.40	-	6.67	6.70	7.43	7.74	-
781	Motion picture production and services	360.81	342.36	389.44	406.15	-	9.52	9.51	10.33	10.66	-
79	AMUSEMENT AND RECREATION SERVICES ...	141.68	141.22	147.49	146.53	-	4.60	4.60	4.90	4.82	-
80	HEALTH SERVICES	151.26	152.38	165.99	166.15	-	4.64	4.66	5.03	5.05	-
801	Offices of physicians	158.27	160.56	171.54	174.37	-	4.84	4.91	5.23	5.30	-
802	Offices of dentists	133.38	134.81	142.93	145.15	-	4.68	4.73	4.98	5.04	-
805	Nursing and personal care facilities	108.15	109.47	118.73	117.66	-	3.50	3.52	3.83	3.82	-
806	Hospitals	165.13	166.30	181.94	182.09	-	4.90	4.92	5.32	5.34	-
81	LEGAL SERVICES	207.06	208.28	219.07	218.45	-	6.09	6.09	6.52	6.56	-
89	MISCELLANEOUS SERVICES	272.61	274.62	287.15	288.67	-	6.99	6.97	7.42	7.44	-
891	Engineering and architectural services	293.14	293.53	208.07	311.20	-	7.44	7.45	7.94	8.00	-
893	Accounting, auditing, and bookkeeping	239.39	246.82	247.40	253.53	-	6.03	6.02	6.36	6.37	-

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

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

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

⁴ Data relate to employees in such occupations in the telephone industry as central office craft

persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Money payments only; tips, not included.

⁶ Data for nonoffice sales agents excluded from all series in this division.

* Not available.

^p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
-	SERVICES	32.7	32.8	32.4	32.5	32.6	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	30.8	31.0	30.0	30.5	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.8	34.3	34.2	33.9	-	-	-	-	-	
723	Beauty shops	30.5	31.6	30.0	30.5	-	-	-	-	-	
73	BUSINESS SERVICES	32.8	33.2	32.3	32.4	-	-	-	-	-	
731	Advertising	35.9	36.0	36.0	35.9	-	-	-	-	-	
734	Services to buildings	27.8	28.3	26.8	27.0	-	-	-	-	-	
737	Computer and data processing services	36.4	36.8	36.2	36.3	-	-	-	-	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	37.0	37.3	36.7	36.4	-	-	-	-	-	
753	Automotive repair shops	38.6	39.2	38.4	38.1	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	39.6	40.3	40.6	40.3	-	-	-	-	-	
78	MOTION PICTURES	29.1	27.8	27.6	27.7	-	-	-	-	-	
781	Motion picture production and services	37.9	36.0	37.7	38.1	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	30.8	30.7	30.1	30.4	-	-	-	-	-	
80	HEALTH SERVICES	32.6	32.7	33.0	32.9	-	-	-	-	-	
801	Offices of physicians	32.7	32.7	32.8	32.9	-	-	-	-	-	
802	Offices of dentists	28.5	28.5	28.7	28.8	-	-	-	-	-	
805	Nursing and personal care facilities	30.9	31.1	31.0	30.8	-	-	-	-	-	
806	Hospitals	33.7	33.8	34.2	34.1	-	-	-	-	-	
81	LEGAL SERVICES	34.0	34.2	33.6	33.3	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	39.0	39.4	38.7	38.8	-	-	-	-	-	
891	Engineering and architectural services	39.4	39.4	38.8	38.9	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	39.7	41.0	38.9	39.8	-	-	-	-	-	

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	1977		1978										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June.	July	Aug.	Sept.	Oct.	Nov.
Executive Branch													
Total employment	2,664.3	2,673.1	2,659.5	2,668.2	2,672.9	2,686.7	2,702.9	2,747.5	2,760.3	2,738.5	2,691.9	2,694.5	2,694.4
Average weekly hours	39.4	40.0	39.6	39.9	39.9	39.6	39.5	39.6	39.8	39.7	39.5	39.9	39.9
Average overtime hours	1.1	1.6	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.2
Indexes (1967=100):													
Average weekly earnings ..	225.9	230.5	229.0	230.2	227.4	226.5	226.0	226.5	227.7	226.8	230.0	242.0	242.8
Average hourly earnings ...	225.9	227.0	227.8	227.3	226.2	225.4	225.4	225.4	225.4	225.1	229.5	238.9	239.7
Department of Defense													
Total employment	909.8	907.7	906.4	906.0	905.6	905.4	911.3	924.8	927.1	918.6	905.4	905.8	905.3
Average weekly hours	39.8	40.0	39.9	40.1	40.0	40.1	40.0	40.0	40.1	40.1	39.7	39.9	40.0
Average overtime hours .....	.9	.8	.7	.8	.9	.9	.9	1.0	.9	1.0	1.2	1.0	.8
Indexes (1967=100):													
Average weekly earnings ..	220.9	220.4	221.8	222.3	221.5	222.1	222.0	221.5	220.4	221.2	223.3	232.5	233.7
Average hourly earnings ...	223.7	222.1	224.0	223.4	223.2	223.2	223.7	223.2	221.5	222.3	226.7	234.9	235.4
Postal Service													
Total employment	650.2	668.2	645.6	646.9	647.6	647.9	648.3	648.3	647.5	649.0	651.9	646.9	651.4
Average weekly hours	39.8	41.8	41.1	41.5	40.4	40.1	39.9	40.0	40.2	39.9	39.7	41.5	41.2
Average overtime hours	1.5	3.5	2.5	2.1	1.7	1.5	1.5	1.6	1.8	1.5	1.8	2.3	1.9
Indexes (1967=100):													
Average weekly earnings ..	253.4	271.7	253.9	266.5	258.5	256.2	254.3	259.7	261.9	260.3	259.3	278.7	275.9
Average hourly earnings ...	245.7	250.9	249.9	247.9	247.0	246.6	246.0	250.6	251.5	251.8	252.1	259.5	258.5
Other Agencies													
Total employment	1,104.3	1,097.2	1,107.5	1,115.3	1,119.7	1,133.4	1,143.3	1,174.4	1,185.7	1,170.9	1,134.6	1,141.8	1,137.7
Average weekly hours	38.9	38.8	38.5	38.9	38.8	38.9	38.8	39.0	39.3	39.3	39.1	39.0	39.0
Average overtime hours	1.1	1.0	.9	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.2	1.1	1.0
Indexes (1967=100):													
Average weekly earnings ..	215.4	216.1	216.6	217.6	215.1	214.1	213.4	212.0	214.6	213.4	218.3	229.1	231.4
Average hourly earnings ...	214.9	216.1	218.3	217.1	215.1	213.6	213.4	210.9	211.9	210.6	216.6	228.0	230.2

NOTE: The hours and earnings averages presented in this table have been computed using data collected by the U.S. Civil Service Commission 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 ¹				
	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
MANUFACTURING	\$5.73	\$5.75	\$6.22	\$6.25	\$6.29
DURABLE GOODS	6.09	6.12	6.61	6.64	6.69
Lumber and wood products	5.16	5.17	5.55	5.57	-
Furniture and fixtures	4.40	4.44	4.73	4.79	-
Stone, clay, and glass products	5.74	5.77	6.24	6.24	-
Primary metal industries	7.58	7.59	8.20	8.32	-
Fabricated metal products	5.87	5.93	6.33	6.38	-
Machinery, except electrical	6.26	6.29	6.74	6.78	-
Electric and electronic equipment	5.48	5.50	5.91	5.94	-
Transportation equipment	7.21	7.29	7.87	7.85	-
Instruments and related products	5.41	5.43	5.79	5.81	-
Miscellaneous manufacturing industries	4.42	4.47	4.80	4.83	-
NONDURABLE GOODS	5.17	5.19	5.59	5.60	5.63
Food and kindred products	5.41	5.43	5.81	5.84	-
Tobacco manufactures	5.92	6.10	6.41	6.56	-
Textile mill products	3.98	3.99	4.33	4.32	-
Apparel and other textile products	3.79	3.82	4.11	4.10	-
Paper and allied products	5.96	5.97	6.43	6.48	-
Printing and publishing	6.11	6.11	6.46	6.46	-
Chemicals and allied products	6.53	6.56	7.02	7.04	-
Petroleum and coal products	8.20	8.14	8.57	8.66	-
Rubber and misc. plastics products	5.11	5.11	5.55	5.57	-
Leather and leather products	3.75	3.76	4.06	4.08	-

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

^P preliminary.

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
				Worker with no dependents			Married worker with 3 dependents		
	Feb. 1978	Jan. 1979	Feb. 1979 ^P	Feb. 1978	Jan. 1979	Feb. 1979 ^P	Feb. 1978	Jan. 1979	Feb. 1979 ^P
TOTAL PRIVATE:									
Current dollars	\$193.80	\$209.79	\$212.05	\$158.27	\$170.62	\$172.27	\$173.25	\$186.94	\$188.70
1967 dollars	102.87	102.49	102.39	84.01	83.35	83.18	91.96	91.32	91.12
MINING:									
Current dollars	297.30	347.68	349.38	229.36	264.27	265.36	250.91	290.56	291.80
1967 dollars	157.80	169.85	168.70	121.74	129.10	128.13	133.18	141.94	140.90
CONSTRUCTION:									
Current dollars	287.87	310.02	318.60	223.23	240.22	245.70	244.04	263.12	269.37
1967 dollars	152.80	151.45	153.84	118.49	117.35	118.64	129.53	128.54	130.07
MANUFACTURING:									
Current dollars	236.81	260.25	262.76	188.81	206.40	208.15	205.53	225.48	227.39
1967 dollars	125.70	127.14	126.88	100.22	100.83	100.51	109.09	110.15	109.80
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	294.80	312.44	312.42	227.73	241.77	241.75	249.11	264.89	264.87
1967 dollars	156.48	152.63	150.85	120.88	118.11	116.73	132.22	129.40	127.89
WHOLESALE AND RETAIL TRADE:									
Current dollars	146.64	158.22	159.54	123.58	132.55	133.54	137.26	148.52	149.76
1967 dollars	77.83	77.29	77.04	65.59	64.75	64.48	72.86	72.55	72.31
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	173.26	186.73	188.92	143.49	153.82	155.42	157.40	169.69	171.12
1967 dollars	91.96	91.22	91.22	76.16	75.14	75.05	83.55	82.90	82.63
SERVICES:									
Current dollars	160.56	169.78	171.28	134.01	141.20	142.33	147.50	158.34	159.35
1967 dollars	85.22	82.94	82.70	71.13	68.98	68.73	78.29	77.35	76.94
CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)	188.4	204.7	207.1						

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

² 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.

p=preliminary (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

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

[1967=100]

Industry division and group	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^P	Mar. 1979 ^P
	Hours				
TOTAL PRIVATE	113.2	116.1	118.6	119.1	121.1
GOODS-PRODUCING	96.0	100.1	103.4	103.9	106.7
MINING	103.2	108.4	142.9	143.3	144.3
CONSTRUCTION	87.7	99.1	102.1	103.0	113.6
MANUFACTURING	97.3	100.0	102.2	102.7	104.2
DURABLE GOODS	99.1	102.0	106.3	106.9	108.6
Lumber and wood products	106.7	109.0	106.8	108.4	110.3
Furniture and fixtures	108.3	110.3	107.1	106.3	107.5
Stone, clay, and glass products	100.5	105.7	104.1	104.2	110.5
Primary metal industries	91.8	93.0	98.7	98.6	99.8
Fabricated metal products	98.5	101.1	104.7	115.1	106.2
Machinery, except electrical	107.3	109.8	117.4	119.6	120.3
Electric and electronic equipment	96.9	99.2	103.8	104.5	105.7
Transportation equipment	90.0	95.3	101.9	101.6	103.3
Instruments and related products	116.2	119.3	127.0	128.9	131.3
Miscellaneous manufacturing industries	94.5	99.1	96.5	97.6	99.9
NONDURABLE GOODS	94.6	97.0	96.4	96.4	97.8
Food and kindred products	88.1	89.5	90.8	88.6	90.5
Tobacco manufactures	76.8	75.5	74.3	70.4	71.0
Textile mill products	91.6	92.8	90.6	90.4	90.9
Apparel and other textile products	88.2	91.5	85.9	87.5	89.0
Paper and allied products	96.4	99.6	100.0	100.3	101.8
Printing and publishing	95.5	98.5	99.2	100.8	103.0
Chemicals and allied products	103.5	105.4	106.1	106.3	108.0
Petroleum and coal products	112.8	116.3	116.9	117.7	120.6
Rubber and misc. plastics products	137.4	142.7	150.8	151.9	152.3
Leather and leather products	66.4	68.6	64.1	62.6	62.8
SERVICE-PRODUCING	125.2	127.2	129.2	129.7	131.2
TRANSPORTATION AND PUBLIC UTILITIES	105.9	106.9	108.1	109.3	110.6
WHOLESALE AND RETAIL TRADE	119.5	122.1	124.4	123.6	125.6
WHOLESALE TRADE	121.5	123.5	126.5	126.4	128.4
RETAIL TRADE	118.7	121.5	123.6	122.6	124.6
FINANCE, INSURANCE, AND REAL ESTATE	133.8	134.4	140.6	140.8	140.4
SERVICES	139.4	141.5	142.3	144.1	145.6

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

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

[1967=100]

Industry division and group	Feb. 1978	Mar. 1978	Jan. 1979	Feb. 1979 ^p	Mar. 1979 ^p
	Payrolls				
TOTAL PRIVATE	232.0	239.1	263.9	266.2	272.1
GOODS-PRODUCING	200.7	211.1	236.5	238.6	247.3
MINING	224.4	236.3	367.4	370.4	370.7
CONSTRUCTION	177.4	202.3	222.6	225.3	248.4
MANUFACTURING	205.9	212.4	234.8	236.9	242.2
DURABLE GOODS	210.5	217.7	245.1	248.0	253.8
Lumber and wood products.....	243.2	248.6	261.7	266.9	273.1
Furniture and fixtures.....	212.4	216.9	242.1	225.2	230.0
Stone, clay, and glass products.....	215.4	228.1	242.6	242.7	259.1
Primary metal industries.....	218.9	218.6	254.8	258.2	264.9
Fabricated metal products.....	202.8	210.5	232.2	234.9	239.5
Machinery, except electrical.....	222.0	227.6	260.8	267.9	271.4
Electric and electronic equipment.....	198.6	203.3	229.1	231.8	235.4
Transportation equipment.....	199.1	213.4	247.5	246.3	252.7
Instruments and related products.....	228.6	235.0	266.3	271.6	278.3
Miscellaneous manufacturing industries.....	184.2	194.4	202.4	205.9	211.2
NONDURABLE GOODS	197.9	203.5	217.7	218.1	222.4
Food and kindred products.....	189.7	193.0	209.5	204.8	210.1
Tobacco manufactures.....	207.2	211.4	211.8	205.7	211.3
Textile mill products.....	185.4	188.2	199.0	198.0	199.4
Apparel and other textile products.....	167.5	175.3	176.4	178.5	183.0
Paper and allied products.....	212.2	219.3	236.6	238.6	243.4
Printing and publishing.....	184.8	191.4	202.5	205.7	211.5
Chemicals and allied products.....	227.6	232.4	250.0	250.9	256.3
Petroleum and coal products.....	271.7	277.8	293.9	298.8	309.5
Rubber and misc. plastics products.....	267.5	277.2	318.4	322.2	324.6
Leather and leather products.....	123.8	128.4	128.1	126.0	126.5
SERVICE-PRODUCING	259.0	263.1	287.5	289.9	293.5
TRANSPORTATION AND PUBLIC UTILITIES	241.2	242.6	263.8	264.4	267.6
WHOLESALE AND RETAIL TRADE	241.0	246.9	273.9	272.9	277.7
WHOLESALE TRADE	239.2	244.2	272.0	272.5	278.2
RETAIL TRADE	242.1	248.4	274.9	273.2	277.4
FINANCE, INSURANCE, AND REAL ESTATE	246.5	247.9	279.3	282.7	281.5
SERVICES	299.0	303.5	325.5	331.8	335.7

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

^ppreliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1978										1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
TOTAL PRIVATE	36.0	36.1	35.9	35.9	35.9	35.8	35.8	35.9	35.8	35.9	35.7	35.8	35.9
MINING	43.7	44.0	43.4	43.4	43.0	43.6	43.0	43.0	43.3	43.7	43.4	42.7	42.9
CONSTRUCTION	36.9	37.3	36.6	37.3	37.3	37.1	37.0	36.9	36.8	37.2	35.9	36.4	37.3
MANUFACTURING	40.6	40.8	40.4	40.5	40.5	40.3	40.4	40.5	40.7	40.7	40.7	40.7	40.8
<i>Overtime hours</i>	3.7	3.8	3.5	3.6	3.6	3.4	3.6	3.6	3.7	3.8	3.8	3.8	3.8
DURABLE GOODS	41.3	41.4	41.0	41.2	41.2	41.0	41.1	41.2	41.4	41.5	41.5	41.5	41.5
<i>Overtime hours</i>	3.9	4.0	3.7	3.7	3.8	3.6	3.8	3.9	4.0	4.1	4.2	4.2	4.1
Lumber and wood products	39.9	40.2	39.5	40.0	39.8	39.3	39.6	40.1	40.1	40.1	40.0	39.6	39.7
Furniture and fixtures	40.1	40.1	39.4	39.5	39.3	39.0	38.8	39.0	39.2	39.2	39.2	38.8	39.4
Stone, clay, and glass products	41.8	42.0	41.6	41.9	41.7	41.6	41.8	41.8	41.9	42.0	41.4	41.6	42.5
Primary metal industries	41.5	41.5	41.7	41.8	41.8	42.0	41.8	42.1	42.3	42.2	42.4	42.3	42.3
Fabricated metal products	41.3	41.4	41.1	41.0	41.0	40.9	40.9	40.8	41.1	41.4	41.2	41.4	41.4
Machinery, except electrical	42.3	42.3	42.1	42.3	42.2	41.8	41.9	42.0	42.2	42.5	42.2	42.6	42.6
Electric and electronic equipment	40.6	40.4	40.2	40.2	40.7	40.4	40.1	40.3	40.4	40.5	40.7	40.8	40.7
Transportation equipment	42.1	42.4	41.8	42.0	42.1	41.8	42.5	42.6	42.9	42.9	43.0	42.7	42.3
Instruments and related products	41.3	41.4	40.8	40.8	40.7	41.0	40.9	40.9	40.9	40.9	41.1	41.1	41.4
Miscellaneous manufacturing ind	39.0	39.1	38.8	38.8	38.8	39.0	39.0	38.8	38.8	38.8	39.1	39.1	39.1
NONDURABLE GOODS	39.7	39.8	39.5	39.4	39.4	39.3	39.4	39.3	39.6	39.5	39.6	39.4	39.6
<i>Overtime hours</i>	3.3	3.4	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.3
Food and kindred products	40.0	40.1	39.8	39.6	39.8	39.5	39.5	39.9	40.0	40.0	40.1	39.7	40.2
Tobacco manufactures	38.9	38.7	38.7	39.6	38.6	37.7	37.9	36.7	37.4	38.1	36.7	36.7	37.7
Textile mill products	40.8	40.9	40.5	40.3	40.2	40.4	40.4	40.3	40.4	40.4	40.9	40.0	40.4
Apparel and other textile products	36.0	36.3	35.9	35.8	35.8	35.6	35.7	35.2	35.7	35.6	35.3	35.6	35.5
Paper and allied products	43.4	43.5	42.9	42.9	42.9	42.7	42.7	42.6	43.1	42.7	42.9	42.9	42.9
Printing and publishing	38.0	37.9	37.3	37.5	37.6	37.4	37.8	37.7	37.9	37.6	37.7	37.9	38.0
Chemicals and allied products	42.1	42.0	41.9	41.9	41.8	41.9	41.8	41.9	42.1	41.8	42.0	41.9	42.1
Petroleum and coal products	43.3	43.6	42.9	43.4	43.9	44.3	43.8	43.9	44.2	43.7	43.4	43.5	43.1
Rubber and misc. plastics products	40.7	41.3	41.1	41.1	40.9	40.9	41.0	41.0	41.1	41.2	41.5	41.6	41.4
Leather and leather products	37.1	38.1	37.6	37.4	37.2	37.1	37.2	37.1	36.8	36.7	37.0	36.2	36.3
TRANSPORTATION AND PUBLIC UTILITIES	40.4	40.0	40.2	40.1	39.6	39.9	40.1	40.1	40.0	40.0	40.2	40.0	40.4
WHOLESALE AND RETAIL TRADE	33.0	33.0	32.9	32.8	32.9	32.8	32.8	32.9	32.8	32.9	32.4	32.5	32.6
WHOLESALE TRADE	38.9	39.0	38.7	38.8	38.7	38.8	39.0	38.9	38.8	38.9	38.7	38.7	38.9
RETAIL TRADE	31.2	31.2	31.1	31.0	31.1	30.9	30.9	31.0	30.9	31.0	30.5	30.6	30.7
FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.7	36.3	36.5	36.6	36.5	36.5	36.6	36.3	36.3	36.3	36.3	36.0
SERVICES	33.0	33.0	32.9	32.8	32.8	32.7	32.8	32.8	32.7	32.5	32.6	32.7	32.8

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

^a preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

[1967=100]

Industry division and group	1978										1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
TOTAL PRIVATE	119.1	120.4	120.0	120.6	120.6	120.4	120.8	121.6	122.4	122.9	122.6	123.3	124.3
GOODS-PRODUCING	103.6	106.0	105.1	106.0	106.1	105.4	105.5	106.5	108.0	109.1	108.7	109.2	110.5
MINING	111.3	144.2	143.1	144.0	143.5	145.7	144.4	145.2	148.0	149.1	149.2	148.3	148.1
CONSTRUCTION	111.5	118.8	117.1	122.8	124.2	122.8	122.6	123.8	124.3	126.5	120.6	122.3	127.7
MANUFACTURING	102.0	102.5	101.6	101.7	101.6	101.0	101.2	102.1	103.7	104.6	105.1	105.5	106.2
DURABLE GOODS	103.9	104.2	103.5	103.8	104.0	103.5	103.9	105.5	107.1	108.3	108.8	109.8	110.5
Lumber and wood products	114.3	115.0	111.8	113.6	112.3	110.7	111.6	113.9	115.3	116.2	116.6	115.8	115.7
Furniture and fixtures	112.5	112.5	110.3	109.5	108.3	106.4	106.2	107.5	108.6	109.4	110.0	108.9	109.4
Stone, clay, and glass products	111.0	112.7	111.4	112.4	111.1	109.8	110.1	110.8	112.0	113.3	111.5	112.4	116.1
Primary metal industries	92.8	92.9	93.9	94.1	94.4	95.3	95.5	96.9	99.0	99.2	99.7	100.4	100.8
Fabricated metal products	102.9	103.5	103.3	102.4	102.0	101.8	102.0	103.1	105.2	106.8	106.6	108.1	107.9
Machinery, except electrical	109.4	110.1	109.5	111.3	112.1	110.8	111.5	113.6	114.5	116.9	117.0	119.2	120.0
Electric and electronic equipment	101.2	100.4	99.8	99.8	101.8	101.1	100.1	101.4	102.6	103.4	105.1	106.3	107.7
Transportation equipment	97.2	97.5	96.6	95.8	96.2	96.1	97.7	100.4	102.8	103.8	104.7	105.8	105.5
Instruments and related products	120.5	121.7	120.8	122.4	123.6	123.9	123.9	124.5	125.7	126.9	128.8	130.0	132.5
Miscellaneous manufacturing ind	102.0	102.6	101.5	101.4	99.8	100.6	100.3	100.9	101.8	101.5	102.9	102.6	102.6
NONDURABLE GOODS	99.2	99.9	98.9	98.7	98.1	97.2	97.2	97.2	98.8	99.1	99.9	99.3	100.0
Food and kindred products	96.2	96.4	94.6	94.0	93.6	91.4	91.3	92.2	94.6	96.1	97.0	95.3	97.3
Tobacco manufactures	82.0	80.2	81.5	84.1	78.6	71.5	74.5	73.5	73.5	77.6	74.8	73.5	78.1
Textile mill products	93.7	93.4	92.6	91.8	91.5	91.2	91.8	91.6	92.4	92.2	93.6	91.3	91.8
Apparel and other textile products	91.6	93.2	91.9	91.4	90.1	90.1	90.1	88.7	90.0	89.8	89.6	89.4	88.9
Paper and allied products	101.6	102.4	101.9	101.9	101.9	99.2	99.0	98.2	100.5	100.7	101.7	102.9	103.6
Printing and publishing	99.3	99.1	98.2	98.6	99.1	98.3	97.8	98.5	100.3	100.1	101.1	102.3	103.4
Chemicals and allied products	106.0	106.5	106.9	106.9	106.6	106.0	106.0	106.2	107.2	107.0	107.8	107.8	108.4
Petroleum and coal products	121.3	122.1	118.4	120.4	121.2	123.2	122.7	123.0	124.7	124.2	123.3	124.5	126.0
Rubber and misc. plastics products	144.5	147.3	146.6	147.0	146.2	145.4	145.0	147.0	149.6	152.3	153.9	154.8	153.8
Leather and leather products	69.1	71.3	70.4	70.1	67.1	69.1	69.6	68.8	67.3	66.5	66.7	64.0	63.6
SERVICE-PRODUCING	129.8	130.5	130.5	130.7	130.7	130.8	131.4	132.0	132.3	132.5	132.2	133.1	134.0
TRANSPORTATION AND PUBLIC UTILITIES	109.1	108.7	109.0	109.4	106.5	107.7	108.2	109.9	110.2	110.3	111.2	111.3	113.0
WHOLESALE AND RETAIL TRADE	125.9	126.4	126.8	126.8	127.4	127.2	127.5	128.2	128.4	128.7	127.6	128.6	129.5
WHOLESALE TRADE	125.3	126.0	125.2	126.1	125.7	126.1	127.1	127.4	127.6	128.5	128.4	128.9	130.2
RETAIL TRADE	126.1	126.6	127.3	127.0	128.0	127.7	127.7	128.5	128.7	128.8	127.3	128.4	129.3
FINANCE, INSURANCE, AND REAL ESTATE	135.4	137.5	136.2	137.9	139.0	139.2	139.6	140.5	140.6	140.9	141.7	142.0	141.4
SERVICES	143.3	144.1	143.8	143.9	144.1	144.1	145.1	145.0	145.6	145.4	145.8	146.9	147.6

¹ 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 workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1978										1979		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Hourly Earnings Index² (1967=100)													
TOTAL PRIVATE (In current dollars) ...	208.3	210.3	211.0	212.3	214.1	214.6	216.2	218.0	219.0	220.7	222.6	223.7	225.4
MINING	222.5	237.1	237.3	239.8	244.3	244.5	247.1	249.7	249.8	249.1	251.7	254.3	253.8
CONSTRUCTION	203.0	203.5	206.0	207.6	207.9	209.2	209.9	210.6	211.4	212.5	213.4	216.1	217.5
MANUFACTURING	211.0	212.2	213.5	214.7	216.7	217.5	218.9	220.8	222.4	224.1	225.4	227.1	229.1
TRANSPORTATION AND PUBLIC UTILITIES	225.6	228.4	229.2	229.6	230.4	231.2	233.3	234.0	234.7	238.3	238.9	239.0	240.6
WHOLESALE AND RETAIL TRADE	201.5	203.5	204.0	205.2	207.6	208.3	209.9	211.6	213.0	214.6	217.8	218.4	220.0
FINANCE, INSURANCE, AND REAL ESTATE	188.9	192.3	192.4	194.6	196.9	196.0	198.2	199.8	200.8	202.0	202.3	203.9	205.2
SERVICES	208.7	210.5	210.4	211.5	213.2	212.9	214.8	217.5	217.8	218.9	221.7	222.0	223.9
TOTAL PRIVATE (In 1967 dollars)³	109.5	109.6	109.1	108.8	109.1	108.7	108.7	108.7	108.5	108.6	108.5	107.7	-
Average hourly earnings													
TOTAL PRIVATE	\$ 5.54	\$ 5.61	\$ 5.62	\$ 5.66	\$ 5.71	\$ 5.73	\$ 5.77	\$ 5.82	\$ 5.87	\$ 5.91	\$ 5.96	\$ 5.99	\$ 6.04
MINING	6.94	7.63	7.66	7.71	7.85	7.88	7.88	7.99	8.03	8.03	8.12	8.22	8.18
CONSTRUCTION	8.47	8.47	8.59	8.65	8.66	8.72	8.75	8.77	8.82	8.86	8.92	9.04	9.06
MANUFACTURING	6.01	6.05	6.08	6.12	6.18	6.20	6.25	6.32	6.38	6.43	6.45	6.52	6.57
TRANSPORTATION AND PUBLIC UTILITIES	7.40	7.49	7.50	7.52	7.53	7.58	7.65	7.66	7.68	7.81	7.89	7.84	7.89
WHOLESALE AND RETAIL TRADE	4.55	4.60	4.60	4.63	4.67	4.70	4.73	4.77	4.81	4.84	4.93	4.93	4.97
FINANCE, INSURANCE, AND REAL ESTATE	4.75	4.84	4.84	4.89	4.95	4.92	4.98	5.03	5.06	5.08	5.09	5.13	5.16
SERVICES	4.90	4.95	4.94	4.96	5.01	5.02	5.05	5.10	5.11	5.14	5.21	5.22	5.26
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	199.44	202.52	201.76	203.19	204.99	205.13	206.57	208.94	210.15	212.17	212.77	214.44	216.84
1967 dollars ⁴	104.86	105.59	104.32	104.20	104.48	103.97	103.86	104.16	104.14	104.41	103.69	103.25	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) ⁴	93.33	93.76	92.69	92.48	92.60	92.13	91.94	92.04	91.95	92.06	92.23	91.75	-

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

² 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.

³ The CPI-W is used to deflate these series to 1967 dollars.

⁴ See footnote 2, table C-5.

N.A.=not available.

p=preliminary.

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

Industry division	Millions of hours (Annual rate) ²			Percent change		
	JANUARY 1979	FEBRUARY 1979p	MARCH 1979p	March 1978 to March 1979	Jan. 1979 to Feb. 1979	Feb. 1979 to Mar. 1979
TOTAL	165,729	166,039	167,469	3.8	0.2	0.9
PRIVATE SECTOR	135,002	135,582	136,745	4.4	0.4	0.9
MINING	2,029	2,026	2,036	28.0	-0.2	0.5
CONSTRUCTION	8,266	8,267	8,576	12.6	0.0	3.7
MANUFACTURING	43,758	43,967	44,176	3.9	0.5	0.5
DURABLE GOODS	26,828	27,034	27,160	5.9	0.8	0.5
NONDURABLE GOODS	16,930	16,933	17,016	0.7	0.0	0.5
TRANSPORTATION AND PUBLIC UTILITIES	10,370	10,452	10,554	4.3	0.8	1.0
WHOLESALE AND RETAIL TRADE	33,601	33,796	34,102	3.1	0.6	0.9
FINANCE, INSURANCE, AND REAL ESTATE	9,118	9,130	9,099	4.4	0.1	-0.3
SERVICES	27,860	27,944	28,201	3.4	0.3	0.9
GOVERNMENT	30,728	30,457	30,724	1.2	-0.9	0.9

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

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

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1976			1977				1978			
	1977	1978P	II	III	IV	I	II	III	IV	I	II	III	IV
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	118.2	118.6	116.1	117.1	117.2	117.9	117.4	118.9	119.0	117.6	118.0	119.0	119.6
Output	133.2	139.0	126.2	127.1	127.6	130.5	132.5	134.2	135.5	135.3	138.7	139.7	142.3
Hours	112.6	117.2	108.7	108.5	108.9	110.7	112.9	113.9	115.0	117.6	117.4	118.9	118.9
Compensation per hour	213.0	232.7	194.8	199.3	203.6	207.5	210.5	215.3	218.8	225.2	229.6	235.4	240.3
Real compensation per hour	117.4	119.1	115.0	116.1	117.3	117.2	116.4	117.6	118.2	119.3	118.6	119.0	119.1
Unit labor costs	180.2	196.3	167.7	170.1	173.8	176.0	179.3	181.1	183.9	191.4	194.6	197.8	200.8
Unit nonlabor payments	164.7	172.0	158.3	159.0	158.4	160.3	164.0	167.0	167.8	162.1	171.3	174.9	179.5
Implicit price deflator	174.9	187.9	164.5	166.3	168.5	170.6	174.0	176.3	178.4	181.3	186.6	189.9	193.5
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	115.8	116.4	114.4	115.2	114.9	115.6	115.2	116.2	116.4	115.5	116.0	116.6	117.3
Output	133.6	139.9	126.9	127.7	128.1	131.0	133.0	134.6	135.8	136.1	139.8	140.6	143.2
Hours	115.4	120.2	110.9	110.9	111.5	113.3	115.5	115.8	116.7	117.8	120.6	120.5	122.0
Compensation per hour	209.3	228.7	191.7	195.8	199.9	203.9	207.1	211.2	215.1	221.4	225.8	231.0	236.1
Real compensation per hour	115.3	117.1	113.1	114.1	115.1	115.1	114.5	115.3	116.2	117.3	116.6	116.9	117.0
Unit labor costs	180.8	196.5	167.5	170.1	173.9	176.4	179.8	181.7	184.8	191.7	194.7	198.1	201.2
Unit nonlabor payments	162.6	168.1	155.5	157.4	157.2	157.7	161.7	166.1	165.1	159.2	167.1	171.3	174.5
Implicit price deflator	174.6	186.8	163.4	165.7	168.2	170.0	173.6	176.4	178.1	180.6	185.3	188.9	192.1
MANUFACTURING:													
Output per hour of all persons	126.1	129.1	123.3	124.1	123.9	123.7	125.6	127.6	127.5	125.9	128.4	131.7	132.3
Output	126.9	134.8	119.2	120.0	120.3	122.6	126.6	128.6	129.8	129.7	134.1	137.2	139.8
Hours	100.6	104.4	96.7	96.7	97.1	99.1	100.7	100.8	101.8	103.1	104.5	104.2	105.7
Compensation per hour	212.2	232.5	193.7	196.9	200.9	205.6	209.7	214.4	218.9	225.0	229.1	234.9	240.4
Real compensation per hour	116.9	119.0	114.4	114.7	115.7	116.1	116.0	117.1	118.2	119.2	118.3	118.8	119.2
Unit labor costs	168.3	180.0	157.1	158.7	162.2	166.3	166.9	168.0	171.7	178.8	178.5	178.4	181.7
DURABLE GOODS													
Output per hour of all persons	120.4	122.9	118.6	119.5	118.4	117.9	120.4	121.9	121.6	119.4	122.7	125.7	125.7
Output	121.4	130.5	113.3	114.8	114.4	116.3	121.0	123.5	124.8	124.4	129.5	133.5	136.4
Hours	100.8	106.2	95.5	96.1	96.6	98.7	100.5	101.3	102.7	104.1	105.6	106.2	108.5
Compensation per hour	214.3	234.6	195.8	198.5	201.7	207.1	211.8	216.4	221.5	227.0	231.2	237.0	242.8
Real compensation per hour	118.0	120.1	115.6	115.7	116.2	116.9	117.1	118.2	119.6	120.3	119.4	119.9	120.4
Unit labor costs	177.9	190.8	165.1	166.2	170.3	175.7	175.9	177.5	182.2	190.1	188.4	188.5	193.1
NONDURABLE GOODS													
Output per hour of all persons	135.3	139.3	130.9	131.5	132.7	133.1	134.1	136.9	137.3	136.4	137.7	141.6	143.1
Output	135.7	141.7	128.9	128.5	129.8	132.6	135.5	136.9	138.0	138.3	141.5	143.2	145.3
Hours	100.3	101.7	98.4	97.7	97.9	99.7	101.0	100.0	100.5	101.4	102.8	101.1	101.5
Compensation per hour	208.6	227.7	190.8	194.5	199.7	203.4	206.3	210.6	214.0	221.0	224.8	230.1	234.3
Real compensation per hour	115.0	116.5	112.6	113.3	115.0	114.8	114.1	115.0	115.6	117.1	116.1	116.4	116.2
Unit labor costs	154.2	163.4	145.8	147.9	150.5	152.8	153.9	153.8	155.9	162.1	163.3	162.5	163.7
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	116.6	117.9	115.5	115.9	115.2	115.7	116.2	117.4	117.3	116.6	117.8	118.2	N.A.
Output	141.0	148.6	134.1	134.4	134.2	137.5	140.5	142.3	143.6	143.6	148.8	149.3	N.A.
Hours	120.9	126.0	116.1	116.0	116.6	118.8	121.0	121.2	122.4	123.2	126.3	126.3	N.A.
Compensation per hour	207.5	226.8	189.7	194.1	198.3	201.6	205.4	209.6	213.3	219.7	224.1	229.2	N.A.
Real compensation per hour	114.3	116.1	112.0	113.0	114.2	113.9	113.6	114.5	115.2	116.4	115.7	116.0	N.A.
Total unit costs	182.0	194.7	169.8	172.8	177.3	178.8	180.8	182.5	185.6	191.5	192.6	196.2	N.A.
Unit labor costs	177.9	192.3	164.3	167.4	172.2	174.3	176.8	178.5	181.9	188.5	190.2	194.0	N.A.
Unit nonlabor costs	194.5	202.1	186.9	189.4	193.0	192.6	193.1	195.0	197.1	201.1	200.1	203.2	N.A.
Unit profits	120.2	125.7	115.5	114.7	105.6	108.8	120.1	128.3	122.9	104.5	127.8	130.0	N.A.
Implicit price deflator	172.8	184.5	161.7	164.2	166.6	168.4	171.8	174.5	176.3	178.6	183.0	186.4	N.A.

p=preliminary.

**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 1977 to III 1977	III 1977 to IV 1977	IV 1977 to I 1978	I 1978 to II 1978	II 1978 to III 1978	III 1978 to IV 1978	III 1976 to III 1977	IV 1976 to IV 1977	I 1977 to I 1978	II 1977 to II 1978	III 1977 to III 1978	IV 1977 to IV 1978
	PRIVATE BUSINESS SECTOR:											
Output per hour of all persons	5.1	0.4	-4.5	1.2	3.5	2.1	1.5	1.5	-0.2	0.5	0.1	0.5
Output	5.0	4.0	-0.6	10.5	3.0	7.5	5.6	6.2	3.7	4.6	4.1	5.0
Hours	-0.1	3.7	4.0	9.2	-0.4	5.3	4.0	4.6	3.9	4.1	4.0	4.4
Compensation per hour	9.5	6.7	12.1	8.1	10.4	8.6	8.0	7.5	8.5	9.1	9.3	9.8
Real compensation per hour	4.3	1.9	4.0	-2.5	1.7	0.2	1.3	0.7	1.8	1.9	1.2	0.8
Unit labor costs	4.2	6.3	17.4	6.8	6.7	6.4	6.5	5.8	8.8	8.5	9.2	9.2
Unit nonlabor payments	7.4	2.0	-13.1	24.8	8.8	10.8	5.0	5.9	1.1	4.4	4.8	6.9
Implicit price deflator	5.2	4.9	6.7	12.1	7.3	7.8	6.0	5.9	6.3	7.2	7.7	8.5
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	3.7	0.5	-3.1	1.7	2.3	2.3	0.9	1.3	-0.1	0.7	0.3	0.8
Output	5.0	3.5	0.7	11.6	2.1	7.5	5.4	6.0	3.8	5.2	4.4	5.4
Hours	1.3	3.0	3.9	9.8	-0.2	5.1	4.4	4.7	3.9	4.5	4.1	4.6
Compensation per hour	8.1	7.6	12.2	8.2	9.6	9.0	7.8	7.6	8.6	9.0	9.4	9.7
Real compensation per hour	2.9	2.8	4.0	-2.4	0.9	0.6	1.1	0.9	1.9	1.8	1.3	0.7
Unit labor costs	4.2	7.1	15.7	6.4	7.1	6.5	6.8	6.3	8.7	8.3	9.0	8.9
Unit nonlabor payments	11.5	-2.4	-13.5	21.3	10.5	7.7	5.5	5.0	0.9	3.4	3.1	5.7
Implicit price deflator	6.5	4.0	5.8	10.8	8.1	6.9	6.4	5.9	6.2	6.7	7.1	7.9
MANUFACTURING:												
Output per hour of all persons	6.5	-0.3	-5.1	8.3	10.8	1.8	2.9	2.9	1.8	2.2	3.2	3.7
Output	6.6	4.0	-0.5	14.3	9.6	7.8	7.1	7.9	5.8	6.0	6.7	7.7
Hours	0.1	4.3	4.9	5.6	-1.1	5.9	4.1	4.8	4.0	3.7	3.4	3.8
Compensation per hour	9.2	8.8	11.6	7.4	10.6	9.7	8.9	9.0	9.4	9.2	9.6	9.8
Real compensation per hour	3.9	4.0	3.5	-3.1	1.8	1.2	2.1	2.2	2.7	2.0	1.5	0.8
Unit labor costs	2.5	9.1	17.7	-0.8	-0.2	7.7	5.8	5.9	7.6	6.9	6.2	5.9
DURABLE GOODS												
Output per hour of all persons	5.0	-1.1	-6.8	11.3	10.2	0.1	2.0	2.6	1.3	1.9	3.1	3.4
Output	8.3	4.5	-1.5	17.7	12.8	8.9	7.5	9.1	6.9	7.0	8.1	9.2
Hours	3.1	5.7	5.7	5.7	2.3	8.8	5.4	6.3	5.5	5.1	4.8	5.6
Compensation per hour	9.0	9.8	10.4	7.5	10.4	10.3	9.0	9.8	9.6	9.2	9.5	9.7
Real compensation per hour	3.8	4.9	2.4	-3.0	1.7	1.7	2.2	2.9	2.9	1.9	1.4	0.7
Unit labor costs	3.8	11.0	18.5	-3.4	0.2	10.1	6.8	7.0	8.2	7.1	6.2	6.0
NONDURABLE GOODS												
Output per hour of all persons	8.6	1.0	-2.6	3.9	11.8	4.5	4.1	3.5	2.5	2.6	3.4	4.3
Output	4.1	3.2	1.1	9.4	4.9	6.1	6.6	6.2	4.3	4.4	4.6	5.3
Hours	-4.2	2.2	3.8	5.3	-6.2	1.6	2.4	2.7	1.8	1.7	1.2	1.0
Compensation per hour	8.5	6.7	13.6	7.2	9.7	7.6	8.3	7.2	8.7	9.0	9.3	9.5
Real compensation per hour	3.3	1.9	5.3	-3.3	1.0	-0.8	1.5	0.5	2.0	1.8	1.2	0.5
Unit labor costs	-0.1	5.6	16.6	3.2	-1.9	3.0	4.0	3.6	6.0	6.1	5.7	5.0
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	4.4	-0.5	-2.5	4.4	1.3	N.A.	1.3	1.8	0.8	1.4	0.6	N.A.
Output	5.2	3.6	-0.0	15.2	1.5	N.A.	5.9	7.0	4.5	5.9	4.9	N.A.
Hours	0.7	4.2	2.5	10.4	0.2	N.A.	4.5	5.0	3.7	4.4	4.3	N.A.
Compensation per hour	8.5	7.2	12.5	8.3	9.5	N.A.	8.0	7.5	8.9	9.1	9.4	N.A.
Real compensation per hour	3.3	2.4	4.3	-2.3	0.8	N.A.	1.3	0.8	2.2	1.9	1.3	N.A.
Total unit costs	3.9	6.8	13.6	2.3	7.7	N.A.	5.6	4.7	7.1	6.6	7.5	N.A.
Unit labor costs	3.9	7.7	15.3	3.8	8.1	N.A.	6.6	5.6	8.1	7.6	8.7	N.A.
Unit nonlabor costs	3.9	4.3	8.5	-2.0	6.3	N.A.	3.0	2.1	4.4	3.6	4.2	N.A.
Unit profits	30.4	-15.8	-47.8	123.6	7.3	N.A.	11.9	16.4	-4.0	6.4	1.3	N.A.
Implicit price deflator	6.4	4.2	5.5	10.2	7.6	N.A.	6.3	5.8	6.1	6.5	6.8	N.A.

p=preliminary.

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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
ALABAMA	\$211.41	\$233.21	\$234.84	40.5	40.7	40.7	\$5.22	\$5.73	\$5.77
Birmingham	253.75	277.71	279.20	40.6	40.9	40.0	6.25	6.79	6.98
Mobile	264.38	293.11	287.86	41.7	41.4	41.3	6.34	7.08	6.97
ALASKA	407.94	(*)	(*)	39.0	(*)	(*)	10.46	(*)	(*)
ARIZONA	230.50	254.56	252.33	39.2	40.6	39.8	5.88	6.27	6.34
Phoenix	228.15	255.60	253.83	39.0	40.7	40.1	5.85	6.28	6.33
Tucson	219.84	232.85	232.85	38.5	39.6	39.6	5.71	5.88	5.88
ARKANSAS	180.52	195.44	198.29	39.5	38.7	39.5	4.57	5.05	5.02
Fayetteville-Springdale	161.92	181.60	178.80	39.3	40.0	40.0	4.12	4.54	4.47
Fort Smith	189.05	197.36	198.00	38.9	38.1	38.9	4.86	5.18	5.09
Little Rock-North Little Rock	210.65	224.43	227.26	40.2	39.1	39.8	5.24	5.74	5.71
Pine Bluff	234.89	272.39	273.65	41.5	42.1	42.1	5.66	6.47	6.50
CALIFORNIA	245.74	270.80	268.13	39.7	40.0	39.9	6.19	6.77	6.72
Anaheim-Santa Ana-Garden Grove	231.15	248.06	246.65	40.2	40.8	40.5	5.75	6.08	6.09
Bakersfield	258.84	273.60	276.19	39.7	38.0	38.9	6.52	7.20	7.10
Fresno	222.15	239.17	240.48	38.5	38.7	38.6	5.77	6.18	6.23
Los Angeles-Long Beach	230.98	254.97	255.15	40.1	40.6	40.5	5.76	6.28	6.30
Modesto	244.29	264.14	251.56	38.9	39.9	38.0	6.28	6.62	6.62
Oxnard-Simi Valley-Ventura	209.17	229.89	242.35	38.1	39.5	40.8	5.49	5.82	5.94
Riverside-San Bernardino-Ontario	251.62	276.40	275.81	39.5	40.0	39.8	6.37	6.91	6.93
Sacramento	266.17	285.48	278.94	39.2	39.0	37.9	6.79	7.32	7.36
Salinas-Seaside-Monterey	237.71	260.60	266.81	37.2	38.1	38.5	6.39	6.84	6.93
San Diego	228.92	252.20	252.44	37.9	38.8	38.6	6.04	6.50	6.54
San Francisco-Oakland	298.29	316.18	315.75	39.3	38.7	38.6	7.59	8.17	8.18
San Jose	265.86	282.61	286.64	39.8	40.2	40.6	6.68	7.03	7.06
Santa Barbara-Santa Maria-Lompoc	225.37	227.86	229.40	39.4	37.6	37.3	5.72	6.06	6.15
Santa Rosa	219.70	231.87	235.34	36.8	36.4	36.6	5.97	6.37	6.43
Stockton	277.50	291.21	287.86	39.7	39.3	38.9	6.99	7.41	7.40
Vallejo-Fairfield-Napa	250.04	279.72	277.88	38.0	37.8	37.2	6.58	7.40	7.47
COLORADO	236.16	261.09	252.45	39.1	39.8	39.2	6.04	6.56	6.44
Denver-Boulder	227.76	254.41	253.19	38.8	39.2	39.5	5.87	6.49	6.41
CONNECTICUT	225.38	265.17	265.20	38.2	42.7	42.5	5.90	6.21	6.24
Bridgeport	237.58	278.52	277.10	40.2	44.0	43.5	5.91	6.33	6.37
Hartford	248.71	295.99	294.80	38.5	43.4	43.1	6.46	6.82	6.84
New Britain	219.48	277.01	262.71	37.2	43.9	41.7	5.90	6.31	6.30
New Haven-West Haven	213.30	260.41	259.99	36.4	41.4	41.4	5.86	6.29	6.28
Stamford	229.10	262.26	263.53	39.5	42.3	42.3	5.80	6.20	6.23
Waterbury	183.50	229.15	233.62	36.7	42.2	42.4	5.00	5.43	5.51
DELAWARE	233.18	282.80	269.18	35.6	40.0	38.4	6.55	7.07	7.01
Wilmington	262.79	311.22	303.03	35.9	39.9	39.1	7.32	7.80	7.75
DISTRICT OF COLUMBIA:									
Washington SMSA ¹	245.05	292.82	(*)	37.7	40.5	(*)	6.50	7.23	(*)
FLORIDA	200.41	216.60	217.65	40.9	41.1	41.3	4.90	5.27	5.27
Fort Lauderdale-Hollywood	188.50	207.24	209.16	40.8	41.2	41.5	4.62	5.03	5.04
Jacksonville	247.68	255.84	252.95	43.0	41.6	41.4	5.76	6.15	6.11
Miami	169.18	190.65	190.70	39.9	41.0	41.1	4.24	4.65	4.64
Orlando	216.52	218.24	219.18	41.8	41.1	41.2	5.18	5.31	5.32
Pensacola	256.03	278.42	285.36	42.6	42.9	43.7	6.01	6.49	6.53
Tampa-St. Petersburg	200.77	222.36	221.75	39.6	40.8	40.1	5.07	5.45	5.53
West Palm Beach-Boca Raton	241.22	266.22	270.58	43.7	45.9	45.4	5.52	5.80	5.96
GEORGIA	185.65	206.34	207.55	39.5	40.3	40.3	4.70	5.12	5.15
Atlanta	212.08	239.20	243.01	38.7	39.8	40.3	5.48	6.01	6.03
Savannah	254.92	284.69	282.05	42.7	43.2	42.8	5.97	6.59	6.59
HAWAII	226.78	240.38	238.55	38.7	37.5	37.1	5.86	6.41	6.43
Honolulu	223.23	239.76	237.25	37.9	37.0	36.5	5.89	6.48	6.50
IDAHO	227.10	244.19	254.87	37.6	36.5	38.5	6.04	6.69	6.62
Boise City	216.38	(*)	(*)	39.2	(*)	(*)	5.52	(*)	(*)

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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
ILLINOIS	\$264.65	\$273.78	\$287.45	40.3	39.0	40.5	\$6.57	\$7.02	\$7.10
Bloomington—Normal	206.88	259.78	264.47	37.3	40.9	41.2	5.55	6.36	6.41
Champaign—Urbana—Rantoul	259.28	259.48	277.88	39.8	38.3	41.1	6.51	6.77	6.76
Chicago SMSA	264.82	266.19	278.95	41.2	39.1	40.3	6.43	6.81	6.92
Davenport—Rock Island—Moline	265.96	306.90	311.69	37.9	36.9	38.7	7.01	8.33	8.05
Decatur	301.35	327.26	340.64	43.6	42.2	43.6	6.91	7.76	7.81
Peoria	294.38	325.78	315.40	36.7	37.3	36.2	8.02	8.72	8.71
Rockford	290.94	290.00	298.25	43.2	41.3	42.1	6.73	7.03	7.08
Springfield	298.57	340.30	339.07	42.7	44.4	44.1	7.00	7.66	7.69
INDIANA	287.16	314.71	308.91	41.2	40.8	40.7	6.97	7.64	7.59
Gary—Hammond—East Chicago	387.49	412.76	(*)	41.8	41.4	(*)	9.27	9.97	(*)
Indianapolis	290.34	313.66	(*)	42.2	41.6	(*)	6.88	7.54	(*)
IOWA	267.42	298.56	299.09	39.5	40.4	40.2	6.77	7.39	7.44
Cedar Rapids	265.17	313.85	309.86	40.3	42.7	42.1	6.58	7.35	7.36
Des Moines	275.71	305.37	307.71	38.4	39.0	39.4	7.18	7.83	7.81
Dubuque	327.53	341.48	355.31	39.7	39.8	40.7	8.25	8.58	8.73
Sioux City	218.42	281.48	276.60	37.4	41.7	41.1	5.84	6.75	6.73
Waterloo—Cedar Falls	337.79	376.48	395.54	40.6	41.1	41.9	8.32	9.16	9.44
KANSAS	(*)	259.64	269.53	(*)	39.7	40.9	(*)	6.54	6.59
Topeka	(*)	289.20	299.97	(*)	43.1	43.6	(*)	6.71	6.88
Wichita	(*)	269.78	285.10	(*)	39.5	41.5	(*)	6.83	6.87
KENTUCKY	241.80	256.24	257.42	40.1	39.3	39.3	6.03	6.52	6.55
Louisville	276.89	293.83	293.83	40.9	39.6	39.6	6.77	7.42	7.42
LOUISIANA	254.41	280.54	279.47	41.1	41.5	41.9	6.19	6.76	6.67
Baton Rouge	317.89	348.25	342.71	42.9	43.1	43.0	7.41	8.08	7.97
New Orleans	244.05	260.50	270.19	39.3	40.2	41.0	6.21	6.48	6.59
Shreveport	227.98	233.05	225.61	41.3	39.5	39.1	5.52	5.90	5.77
MAINE	186.03	209.20	206.04	39.0	40.0	39.7	4.77	5.23	5.19
Lewiston—Auburn	151.13	168.14	168.97	37.5	37.7	37.8	4.03	4.46	4.47
Portland	189.92	205.88	204.00	39.9	39.9	40.0	4.76	5.16	5.10
MARYLAND	240.92	272.40	272.55	38.0	40.0	39.5	6.34	6.81	6.90
Baltimore	253.65	287.34	286.63	38.2	40.3	39.7	6.64	7.13	7.22
MASSACHUSETTS	200.91	237.05	(*)	37.0	40.8	(*)	5.43	5.81	(*)
Boston	211.75	258.62	(*)	35.0	40.6	(*)	6.05	6.37	(*)
Brockton	159.36	183.11	(*)	36.3	37.6	(*)	4.39	4.87	(*)
Fall River	150.15	164.93	(*)	35.0	35.7	(*)	4.29	4.62	(*)
Lawrence—Haverhill	161.73	236.16	(*)	30.4	41.0	(*)	5.32	5.76	(*)
Lowell	166.11	200.06	(*)	35.8	38.4	(*)	4.64	5.21	(*)
New Bedford	182.02	199.02	(*)	38.4	39.1	(*)	4.74	5.09	(*)
Springfield—Chicopee—Holyoke	212.46	239.51	(*)	39.2	41.8	(*)	5.42	5.73	(*)
Worcester	219.06	245.78	(*)	39.4	41.1	(*)	5.56	5.98	(*)
MICHIGAN	323.23	363.89	369.67	41.6	42.5	42.9	7.77	8.56	8.62
Ann Arbor	368.40	423.44	408.47	43.8	44.7	43.5	8.41	9.47	9.39
Battle Creek	326.78	337.02	343.95	42.6	40.6	41.3	7.67	8.30	8.33
Bay City	316.92	324.02	337.22	43.2	42.9	44.5	7.34	7.55	7.58
Detroit	346.94	402.52	404.80	41.5	43.9	44.0	8.36	9.17	9.20
Flint	373.78	414.70	421.61	43.6	43.8	44.0	8.57	9.47	9.58
Grand Rapids	261.45	287.12	291.46	40.8	41.1	41.4	6.41	6.99	7.04
Jackson	291.46	334.34	329.07	42.9	44.8	43.9	6.79	7.46	7.50
Kalamazoo—Portage	280.59	311.92	322.06	40.7	40.8	41.3	6.89	7.65	7.80
Lansing—East Lansing	315.21	368.66	397.35	38.9	41.2	43.2	8.10	8.95	9.20
Muskegon—Norton Shores—Muskegon Heights	292.71	300.40	302.00	42.8	41.1	41.2	6.84	7.31	7.33
Saginaw	378.64	422.76	428.12	42.9	43.9	44.1	8.83	9.63	9.71
MINNESOTA	250.57	274.32	272.80	39.9	40.4	40.0	6.28	6.79	6.82
Duluth—Superior	235.46	(*)	(*)	38.6	(*)	(*)	6.10	(*)	(*)
Minneapolis—St. Paul	268.40	294.89	293.85	40.3	40.9	40.7	6.66	7.21	7.22
MISSISSIPPI	178.35	191.75	193.83	39.9	39.7	39.8	4.47	4.83	4.87
Jackson	194.75	214.49	216.52	41.0	40.7	40.7	4.75	5.27	5.32

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
MISSOURI	\$235.61	\$257.14	\$256.61	39.4	39.5	39.6	\$5.98	\$6.51	\$6.48
Kansas City	254.79	289.02	288.48	38.2	39.7	39.9	6.67	7.28	7.23
St. Joseph	208.30	228.98	230.06	37.6	38.1	38.6	5.54	6.01	5.96
St. Louis	278.12	300.03	299.55	40.9	40.6	40.7	6.80	7.39	7.36
Springfield	193.77	221.34	221.36	38.6	38.9	38.7	5.02	5.69	5.72
MONTANA	323.79	346.48	341.85	43.0	42.1	42.1	7.53	8.23	8.12
NEBRASKA	222.12	259.58	255.00	38.9	41.4	40.8	5.71	6.27	6.25
Lincoln	204.63	245.12	254.38	35.9	38.3	39.5	5.70	6.40	6.44
Omaha	249.24	269.94	269.69	40.2	40.9	40.8	6.20	6.60	6.61
NEVADA	240.63	260.88	265.27	39.0	37.7	38.5	6.17	6.92	6.89
Las Vegas	303.38	331.11	(*)	39.4	39.0	(*)	7.70	8.49	(*)
NEW HAMPSHIRE	187.02	208.64	207.76	38.8	40.2	39.8	4.82	5.19	5.22
Manchester	168.19	179.80	178.99	38.4	38.5	37.9	4.38	4.67	4.72
Nashua	207.62	226.64	232.47	39.1	40.4	41.0	5.31	5.61	5.67
NEW JERSEY	230.20	269.80	270.63	37.8	41.7	41.7	6.09	6.47	6.49
Atlantic City	159.74	193.42	188.56	33.7	38.3	36.9	4.74	5.05	5.11
Camden ³	230.96	255.56	255.91	37.8	40.5	40.3	6.11	6.31	6.35
Hackensack	215.60	251.08	251.55	38.5	42.7	43.0	5.60	5.88	5.85
Jersey City ⁴	229.50	269.78	266.38	37.5	41.0	40.3	6.12	6.58	6.61
New Brunswick—Perth Amboy—Sayreville ⁴	236.60	286.53	292.22	36.4	40.7	41.1	6.50	7.04	7.11
Newark ⁴	234.17	274.75	276.02	38.2	42.4	42.4	6.13	6.48	6.51
Paterson—Clifton—Passaic ⁴	224.23	250.51	253.38	38.2	41.0	41.2	5.87	6.11	6.15
Trenton	226.49	267.15	271.32	35.5	40.6	40.8	6.38	6.58	6.65
NEW MEXICO	184.67	198.90	201.20	39.8	39.0	40.0	4.64	5.10	5.03
Albuquerque	188.33	202.57	209.09	40.5	38.5	40.6	4.65	5.26	5.15
NEW YORK	230.83	255.76	256.07	38.6	39.9	39.7	5.98	6.41	6.45
Albany—Schenectady—Troy	255.67	269.72	266.90	40.2	39.9	39.6	6.36	6.76	6.74
Binghamton	220.32	231.49	234.84	40.8	40.9	40.7	5.40	5.66	5.77
Buffalo	303.35	346.09	344.44	40.5	41.9	41.7	7.49	8.26	8.26
Elmira	232.46	251.83	254.34	39.4	40.1	40.5	5.90	6.28	6.28
Monroe County ⁵	303.48	349.75	348.53	40.9	42.6	42.4	7.42	8.21	8.22
Nassau—Suffolk ⁶	216.58	233.05	237.37	37.6	39.5	39.3	5.76	5.90	6.04
New York—Northeastern New Jersey	212.18	240.58	(*)	36.9	39.7	(*)	5.75	6.06	(*)
New York and Nassau—Suffolk ⁴	197.64	218.50	220.96	36.0	38.0	37.9	5.49	5.75	5.83
New York SMSA ⁶	193.49	215.27	217.33	35.7	37.7	37.6	5.42	5.71	5.78
New York City ⁷	191.16	213.18	214.48	35.4	37.4	37.3	5.40	5.70	5.75
Poughkeepsie	244.53	252.29	253.86	41.8	41.7	42.1	5.85	6.05	6.03
Rochester	286.94	327.54	327.60	40.7	42.1	42.0	7.05	7.78	7.80
Rockland County	227.43	241.59	246.38	39.9	40.4	41.2	5.70	5.98	5.98
Syracuse	264.50	286.54	287.43	41.2	42.2	41.9	6.42	6.79	6.86
Utica—Rome	220.80	242.17	240.60	40.0	40.7	39.9	5.52	5.95	6.03
Westchester County ⁷	211.30	227.03	235.41	37.8	39.9	39.3	5.59	5.69	5.99
NORTH CAROLINA	171.90	183.38	184.00	39.7	39.1	38.9	4.33	4.69	4.73
Asheville	168.75	186.81	188.38	39.8	40.7	40.6	4.24	4.59	4.64
Charlotte—Gastonia	176.20	185.65	191.90	40.6	39.5	40.4	4.34	4.70	4.75
Greensboro—Winston-Salem—High Point	186.73	193.66	197.12	39.9	38.5	38.5	4.68	5.03	5.12
Raleigh—Durham	190.70	207.24	208.03	39.4	39.4	39.4	4.84	5.26	5.28
NORTH DAKOTA	208.01	221.57	219.11	39.1	38.4	37.2	5.32	5.77	5.89
Fargo—Moorhead	217.99	233.36	231.84	37.2	37.7	36.8	5.86	6.19	6.30
OHIO	296.67	323.67	321.79	42.2	42.2	41.9	7.03	7.67	7.68
Akron	291.75	321.40	327.56	42.1	42.7	43.1	6.93	7.52	7.60
Canton	289.52	334.32	325.48	40.1	42.0	41.2	7.22	7.96	7.90
Cincinnati	276.64	299.29	298.75	42.3	41.8	41.9	6.54	7.16	7.13
Cleveland	306.72	343.73	338.48	42.6	43.4	42.9	7.20	7.92	7.89
Columbus	266.20	276.76	274.11	41.4	40.7	39.9	6.43	6.80	6.87
Dayton	306.02	334.19	331.14	42.8	42.9	42.4	7.15	7.79	7.81
Toledo	306.98	339.83	338.40	42.4	42.8	42.3	7.24	7.94	8.00
Youngstown—Warren	320.30	364.01	359.16	39.3	40.9	40.4	8.15	8.90	8.89

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. 1978	JAN. 1979	FEB. 1979p	FEB. 1978	JAN. 1979	FEB. 1979p	FEB. 1978	JAN. 1979	FEB. 1979p
OKLAHOMA	\$217.62	\$251.07	\$249.64	39.0	40.3	40.2	\$5.58	\$6.23	\$6.21
Oklahoma City	218.65	250.62	236.51	39.9	40.1	38.9	5.48	6.25	6.08
Tulsa	229.52	269.18	273.32	39.1	40.6	41.1	5.87	6.63	6.65
OREGON ¹	268.27	273.31	291.02	38.6	36.2	38.7	6.95	7.55	7.52
Eugene—Springfield ¹	297.60	291.24	(*)	40.0	36.0	(*)	7.44	8.09	(*)
Jackson County ¹	264.48	286.14	296.38	38.0	37.6	37.9	6.96	7.61	7.82
Portland ¹	258.62	(*)	(*)	38.6	(*)	(*)	6.70	(*)	(*)
PENNSYLVANIA	238.85	269.20	269.84	38.4	40.0	39.8	6.22	6.73	6.78
Allentown—Bethlehem—Easton	230.04	260.16	261.75	36.0	38.6	38.1	6.39	6.74	6.87
Altoona	201.63	225.61	226.78	37.9	38.5	38.7	5.32	5.86	5.86
Delaware Valley ³	237.17	276.29	273.24	36.6	40.1	39.6	6.48	6.89	6.90
Erie	262.06	281.06	281.73	42.2	41.7	41.8	6.21	6.74	6.74
Harrisburg	213.92	257.00	256.16	38.2	40.6	39.9	5.60	6.33	6.42
Johnstown	281.39	277.50	285.11	40.9	39.7	40.1	6.88	6.99	7.11
Lancaster	201.11	237.58	234.82	36.9	40.2	39.8	5.45	5.91	5.90
Northeast Pennsylvania	167.04	187.46	190.18	34.8	36.4	37.0	4.80	5.15	5.14
Philadelphia SMSA	236.26	272.68	270.75	36.8	40.1	39.7	6.42	6.80	6.82
Pittsburgh	303.40	321.98	334.97	40.4	39.8	40.9	7.51	8.09	8.19
Reading	204.05	238.85	235.74	35.0	38.4	37.9	5.83	6.22	6.22
Scranton ⁹	183.63	196.61	201.85	37.4	38.4	39.5	4.91	5.12	5.11
Wilkes-Barre—Hazleton ¹⁰	155.12	178.88	180.08	32.8	34.6	34.9	4.73	5.17	5.16
Williamsport	216.38	242.61	241.56	39.2	40.1	39.6	5.52	6.05	6.10
York	218.18	249.42	246.00	39.1	41.5	41.0	5.58	6.01	6.00
RHODE ISLAND	165.44	195.42	195.92	35.2	39.4	39.5	4.70	4.96	4.96
Providence—Warwick—Pawtucket	165.09	197.31	196.81	35.2	39.7	39.6	4.69	4.97	4.97
SOUTH CAROLINA	181.75	199.43	199.75	40.3	40.7	40.6	4.51	4.90	4.92
Charleston—North Charleston	209.51	228.80	227.55	41.0	41.3	41.0	5.11	5.54	5.55
Columbia	176.79	195.91	196.91	39.2	39.9	39.7	4.51	4.91	4.96
Greenville—Spartanburg	180.95	197.72	198.62	40.3	40.6	40.7	4.49	4.87	4.88
SOUTH DAKOTA	211.42	220.90	221.41	41.7	41.6	40.7	5.07	5.31	5.44
Rapid City	191.04	169.05	157.94	39.8	34.5	32.7	4.80	4.90	4.83
Sioux Falls	265.61	306.43	306.36	43.4	44.8	44.4	6.12	6.84	6.90
TENNESSEE	200.00	211.97	212.51	40.0	39.4	39.5	5.00	5.38	5.38
Chattanooga	204.11	221.25	217.34	40.1	40.3	40.1	5.09	5.49	5.42
Knoxville	231.55	252.34	251.47	40.2	40.7	40.3	5.76	6.20	6.24
Memphis	226.06	253.29	252.14	39.8	39.7	40.8	5.68	6.38	6.18
Nashville—Davidson	215.59	230.04	232.58	40.6	39.8	40.1	5.31	5.78	5.80
TEXAS	232.76	251.31	249.69	40.2	40.6	40.6	5.79	6.19	6.15
Amarillo	240.62	250.80	249.40	43.2	41.8	42.2	5.57	6.00	5.91
Austin	180.46	189.20	190.01	41.2	40.6	40.6	4.38	4.66	4.68
Beaumont—Port Arthur—Orange	344.03	308.16	313.20	41.4	36.0	36.0	8.31	8.56	8.70
Corpus Christi	285.20	297.78	289.38	40.0	42.0	40.7	7.13	7.09	7.11
Dallas—Fort Worth	205.29	236.16	232.58	38.3	40.3	40.1	5.36	5.86	5.80
El Paso	176.34	186.44	196.10	39.1	39.5	40.6	4.51	4.72	4.83
Galveston—Texas City	362.90	386.33	384.56	43.1	42.5	41.8	8.42	9.09	9.20
Houston	294.12	330.04	330.48	43.0	44.3	44.3	6.84	7.45	7.46
Lubbock	168.44	192.63	191.75	38.9	40.3	40.2	4.33	4.78	4.77
San Antonio	167.37	179.72	182.95	38.3	38.9	39.6	4.37	4.62	4.62
Waco	187.98	216.26	214.63	38.6	39.9	39.6	4.87	5.42	5.42
Wichita Falls	196.86	219.13	213.62	38.6	39.2	38.7	5.10	5.59	5.52
UTAH	214.63	238.34	236.77	39.6	39.2	39.2	5.42	6.08	6.04
Salt Lake City—Ogden	204.85	227.15	225.67	39.7	39.3	39.8	5.16	5.78	5.67
VERMONT	199.75	219.22	218.97	40.6	40.9	40.7	4.92	5.36	5.38
Burlington	232.52	243.07	242.11	42.2	42.2	41.6	5.51	5.76	5.82
Springfield	235.04	264.56	264.12	41.6	43.3	42.6	5.65	6.11	6.20
VIRGINIA	197.21	214.18	212.46	39.6	39.3	39.2	4.98	5.45	5.42
Bristol	184.61	193.50	190.76	38.3	37.5	38.0	4.82	5.16	5.02
Lynchburg	203.59	219.70	225.09	40.8	39.8	41.0	4.99	5.52	5.49
Norfolk—Virginia Beach—Portsmouth	217.46	246.97	255.64	39.9	41.3	41.5	5.45	5.98	6.16
Northern Virginia ¹¹	226.59	244.80	240.07	38.8	40.0	39.1	5.84	6.12	6.14
Petersburg-Colonial Heights-Hopewell	232.97	246.18	245.63	38.7	37.7	37.5	6.02	6.53	6.55

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
VIRGINIA—Continued									
Richmond	\$236.40	\$264.00	\$261.10	39.4	40.0	39.5	\$6.00	\$6.60	\$6.61
Roanoke	177.51	195.82	202.21	39.1	39.4	40.2	4.54	4.97	5.03
WASHINGTON	283.58	(*)	(*)	38.9	(*)	(*)	7.29	(*)	(*)
Seattle—Everett	290.47	(*)	(*)	39.2	(*)	(*)	7.41	(*)	(*)
Spokane	245.75	(*)	(*)	38.7	(*)	(*)	6.35	(*)	(*)
Tacoma	288.70	(*)	(*)	38.7	(*)	(*)	7.46	(*)	(*)
WEST VIRGINIA	253.34	278.87	286.08	39.4	39.5	39.9	6.43	7.06	7.17
Charleston	295.26	315.78	316.73	42.0	42.5	42.4	7.03	7.43	7.47
Huntington—Ashland	269.79	304.50	311.45	39.1	39.7	40.5	6.90	7.67	7.69
Parkersburg—Marietta	272.24	295.08	291.62	41.0	40.7	40.9	6.64	7.25	7.13
Wheeling	269.07	289.52	296.72	40.1	40.1	39.3	6.71	7.22	7.55
WISCONSIN	265.75	286.60	293.20	40.8	40.9	41.3	6.51	7.01	7.10
Appleton—Oshkosh	261.24	285.53	289.27	42.0	42.2	42.1	6.23	6.77	6.86
Eau Claire	257.13	278.64	294.66	40.7	40.1	42.2	6.32	6.94	6.98
Green Bay	264.22	290.93	291.24	41.0	41.1	41.2	6.44	7.08	7.07
Kenosha	279.12	300.19	321.29	38.9	39.1	39.8	7.18	7.67	8.07
La Crosse	214.68	222.02	226.71	39.5	39.6	40.1	5.44	5.61	5.66
Madison	274.91	277.42	280.52	40.2	39.4	39.8	6.84	7.05	7.05
Milwaukee	295.05	317.14	322.37	41.2	41.2	41.4	7.16	7.70	7.78
Racine	294.10	301.42	319.46	42.1	41.1	42.9	6.99	7.34	7.45
WYOMING	235.17	237.76	228.39	39.0	37.8	35.3	6.03	6.29	6.47
Casper	283.51	286.08	284.99	40.1	38.4	37.4	7.07	7.45	7.62
Cheyenne	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

¹ Revised to 1978 benchmark; not strictly comparable with previously published data.

² Data for 1979 are not strictly comparable with earlier years.

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

⁴ Subarea of New York-Northeastern New Jersey.

⁵ Subarea of Rochester Standard Metropolitan Statistical Area.

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

⁷ Subarea of New York Standard Metropolitan Statistical Area.

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

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

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

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

p=preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA LABOR TURNOVER

D-1. Labor turnover rates in manufacturing, 1969 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	5.0	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.5	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	5.2	4.6	3.9	3.1	2.3
1978	4.1	3.8	3.2	3.7	4.0	4.7	4.8	4.3	5.3	4.8	4.3	3.3	2.3
1979	-	4.0	3.3 ^p										
New hires													
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.5	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	2.9	2.2	1.6
1978	3.1	2.5	2.2	2.7	2.9	2.6	3.9	3.3	4.1	3.9	3.5	2.6	1.7
1979	-	2.8	2.4 ^p										
Recalls													
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	.9	.8	.6	.6	.5
1978	.7	1.0	.7	.8	.8	.8	.7	.8	.9	.8	.5	.5	.5
1979	-	.9	.7 ^p										
Total separations													
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.3	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	4.2	5.1	4.8	3.8	3.4	3.3
1978	3.8	3.6	3.1	3.5	3.6	3.6	3.8	4.1	5.2	4.8	4.0	3.5	3.4
1979	-	3.8	3.2 ^p										
Quits													
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.3	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	3.4	3.0	2.3	1.7	1.3
1979	-	1.8	1.6 ^p										
Layoffs													
1969	1.2	1.2	1.0	1.0	.9	.9	1.0	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.5	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	1.4	1.0	1.1	1.1	1.1	1.4
1978	.9	1.2	.9	.9	.7	.7	.7	1.0	.7	.8	.9	1.0	1.3
1979	-	1.1	.8 ^p										

^ppreliminary.

**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. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P
	MANUFACTURING	4.0	3.3	2.8	2.4	0.9	0.7	3.8	3.2	1.8	1.6	1.1	0.8
24, 25, 32-39	DURABLE GOODS	3.7	3.3	2.7	2.4	.7	.6	3.5	2.9	1.6	1.4	.9	.7
20-23, 26-31	NONDURABLE GOODS	4.3	3.5	3.0	2.5	1.1	.8	4.3	3.6	2.1	1.9	1.3	1.0
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	5.1	4.6	4.1	3.6	.8	.8	5.8	5.4	2.9	2.7	1.8	1.7
242	Sawmills and planing mills	3.8	-	3.2	-	.5	-	4.2	-	2.3	-	.8	-
2421	Sawmills and planing mills, general	3.2	-	2.6	-	.4	-	3.5	-	2.0	-	.6	-
243	Millwork, plywood, and structural members	5.1	-	4.1	-	.8	-	5.4	-	3.0	-	1.2	-
2431	Millwork	5.7	-	4.3	-	1.2	-	5.1	-	2.7	-	1.2	-
244	Wooden containers	10.3	-	9.0	-	1.2	-	7.5	-	5.6	-	.7	-
246	Wood buildings and mobile homes	8.1	-	6.7	-	1.3	-	14.4	-	5.4	-	7.1	-
2451	Mobile homes	10.3	-	8.5	-	1.7	-	14.5	-	6.7	-	5.4	-
249	Miscellaneous wood products	5.5	-	3.7	-	1.0	-	4.5	-	2.7	-	.9	-
25	FURNITURE AND FIXTURES	5.5	4.4	4.9	3.7	.4	.5	5.2	4.7	3.3	2.8	.8	.8
251	Household furniture	5.9	-	5.3	-	.4	-	5.6	-	3.7	-	.7	-
2511	Wood household furniture	6.2	-	5.9	-	.2	-	5.5	-	4.1	-	.2	-
2512	Upholstered household furniture	5.3	-	4.5	-	.6	-	5.3	-	3.5	-	.9	-
2515	Mattresses and bedsprings	5.7	-	4.9	-	.4	-	5.4	-	3.2	-	.4	-
252	Office furniture	3.2	-	3.0	-	.1	-	3.5	-	1.8	-	.9	-
254	Partitions and fixtures	6.6	-	5.4	-	1.0	-	5.7	-	2.9	-	1.4	-
32	STONE, CLAY, AND GLASS PRODUCTS	3.7	3.7	2.4	2.2	1.1	1.2	4.9	3.4	1.7	1.3	2.3	1.3
322	Glass and glassware, pressed or blown	3.3	-	1.0	-	1.8	-	3.9	-	.9	-	1.9	-
3221	Glass containers	3.2	-	.9	-	1.9	-	4.3	-	1.0	-	2.2	-
3229	Pressed and blown glass, nec	3.4	-	1.2	-	1.6	-	3.3	-	.6	-	1.6	-
323	Products of purchased glass	5.6	-	2.4	-	2.8	-	3.6	-	1.4	-	1.1	-
324	Cement, hydraulic .....	.9	-	.7	-	.1	-	1.0	-	.3	-	.3	-
325	Structural clay products	4.2	-	3.4	-	.7	-	5.8	-	2.5	-	2.3	-
326	Pottery and related products	2.9	-	2.4	-	.2	-	4.4	-	1.7	-	1.8	-
327	Concrete, gypsum, and plaster products	4.1	-	3.4	-	.6	-	8.1	-	2.5	-	4.6	-
329	Misc. nonmetallic mineral products	3.3	-	2.7	-	.5	-	2.9	-	1.5	-	.6	-
33	PRIMARY METAL INDUSTRIES	2.9	2.4	1.8	1.7	.8	.5	2.5	2.1	.9	.7	.6	.5
331	Blast furnace and basic steel products	2.6	-	1.0	-	1.2	-	2.2	-	.4	-	.8	-
3312	Blast furnaces and steel mills	2.5	-	.9	-	1.3	-	2.2	-	.3	-	.8	-
332	Iron and steel foundries	3.6	-	2.7	-	.7	-	3.4	-	1.6	-	.5	-
3321	Gray iron foundries	3.3	-	2.5	-	.4	-	3.4	-	1.6	-	.5	-
3325	Steel foundries, nec	3.6	-	2.7	-	.7	-	3.7	-	1.5	-	.7	-
333	Primary nonferrous metals	1.3	-	1.0	-	.2	-	1.4	-	.4	-	.3	-
335	Nonferrous rolling and drawing	2.2	-	1.6	-	.4	-	1.8	-	.7	-	.4	-
3351	Copper rolling and drawing	2.7	-	2.1	-	.5	-	1.9	-	.7	-	.6	-
3353	Aluminum sheet, plate, and foil	1.0	-	.5	-	.4	-	1.2	-	.2	-	.5	-
3357	Nonferrous wire drawing and insulating	2.1	-	1.5	-	.4	-	1.6	-	.7	-	.2	-
336	Nonferrous foundries	5.0	-	4.2	-	.5	-	3.8	-	2.1	-	.5	-
3361	Aluminum foundries	5.0	-	4.3	-	.4	-	3.7	-	2.1	-	.4	-
34	FABRICATED METAL PRODUCTS	4.0	3.4	3.0	2.8	.8	.5	3.9	3.4	1.8	1.6	1.1	.9
341	Metal cans and shipping containers	6.5	-	1.4	-	4.4	-	4.1	-	1.0	-	2.2	-
3411	Metal cans	6.9	-	1.0	-	5.2	-	4.0	-	.5	-	2.6	-
342	Cutlery, hand tools, and hardware	2.9	-	2.6	-	.3	-	3.7	-	1.8	-	.9	-
3423, 5	Hand and edge tools, and hand saws and blades	3.0	-	2.5	-	.4	-	3.3	-	1.8	-	.3	-
3429	Hardware, nec	3.0	-	2.7	-	.2	-	3.9	-	1.7	-	1.3	-
343	Plumbing and heating, except electric	4.0	-	3.1	-	.8	-	4.1	-	1.8	-	1.4	-
344	Fabricated structural metal products	4.0	-	3.2	-	.6	-	4.7	-	2.1	-	1.5	-
3441	Fabricated structural metal	5.3	-	4.2	-	.9	-	5.1	-	2.6	-	1.4	-
3442	Metal doors, sash, and trim	4.3	-	3.4	-	.8	-	7.3	-	2.8	-	3.3	-
3443	Fabricated plate work (boiler shops)	2.7	-	2.3	-	.4	-	2.7	-	1.2	-	.7	-
3444	Sheet metal work	4.2	-	3.7	-	.4	-	5.4	-	2.3	-	1.5	-
345	Screw machine products, bolts, etc.	4.8	-	4.4	-	.2	-	3.7	-	2.2	-	.4	-
3451	Screw machine products	6.1	-	5.7	-	.2	-	4.3	-	2.9	-	.3	-
3452	Bolts, nuts, rivets, and washers	3.5	-	3.1	-	.2	-	3.2	-	1.6	-	.5	-
346	Metal forgings and stampings	3.3	-	2.3	-	.6	-	3.2	-	1.2	-	1.1	-
3462	Iron and steel forgings	2.6	-	2.1	-	.2	-	2.2	-	.8	-	.5	-
3465	Automotive stampings	2.5	-	1.2	-	.5	-	3.2	-	.7	-	1.9	-
3469	Metal stampings, nec	4.4	-	3.6	-	.7	-	3.7	-	1.9	-	.8	-
347	Metal services, nec	5.8	-	4.7	-	.9	-	5.6	-	2.9	-	1.3	-
348	Ordinance and accessories, nec	1.7	-	1.3	-	.2	-	1.9	-	.7	-	.5	-
349	Misc. fabricated metal products	4.4	-	3.4	-	.8	-	3.1	-	1.8	-	.3	-
3494	Valves and pipe fittings	3.0	-	2.5	-	.2	-	2.4	-	1.3	-	.3	-
3496	Misc. fabricated wire products	5.6	-	5.2	-	.3	-	4.6	-	3.2	-	.3	-

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. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P
35	MACHINERY, EXCEPT ELECTRICAL	3.3	2.7	2.7	2.2	0.4	0.3	2.5	2.1	1.3	1.1	0.4	0.3
351	Engines and turbines	2.6	-	1.5	-	.3	-	2.2	-	.5	-	.4	-
3511	Turbines and turbine generator sets	1.1	-	.4	-	(¹)	-	2.3	-	.4	-	.6	-
3519	Internal combustion engines, nec	3.3	-	2.0	-	.4	-	2.2	-	.6	-	.3	-
352	Farm and garden machinery	4.8	-	3.7	-	.8	-	3.7	-	1.7	-	1.2	-
3523	Farm machinery and equipment	4.6	-	3.5	-	.8	-	3.8	-	1.7	-	1.2	-
353	Construction and related machinery	2.8	-	2.4	-	.2	-	2.3	-	1.2	-	.3	-
3531	Construction machinery	2.4	-	2.0	-	.3	-	1.8	-	.8	-	.4	-
3533	Oil field machinery	3.4	-	3.2	-	(¹)	-	3.0	-	2.0	-	(¹)	-
354	Metalworking machinery	3.4	-	2.9	-	.3	-	2.6	-	1.3	-	.3	-
3541	Machine tools, metal cutting types	2.6	-	2.3	-	.1	-	2.2	-	1.1	-	.3	-
3544	Special dies, tools, jigs, and fixtures	4.2	-	3.4	-	.4	-	3.2	-	1.6	-	.5	-
3545	Machine tool accessories	3.4	-	3.1	-	.2	-	2.1	-	1.1	-	.1	-
356	Special industry machinery	2.5	-	2.1	-	.2	-	2.1	-	1.2	-	.3	-
3561	Food products machinery	2.7	-	2.4	-	.2	-	1.8	-	1.0	-	.1	-
3562	Textile machinery	2.8	-	2.2	-	.3	-	2.9	-	1.5	-	.5	-
356	General industrial machinery	2.8	-	2.4	-	.2	-	2.2	-	1.1	-	.3	-
3561	Pumps and pumping equipment	2.4	-	2.2	-	.1	-	1.7	-	1.0	-	.2	-
3562	Ball and roller bearings	3.0	-	2.7	-	.1	-	1.8	-	.9	-	.1	-
3564	Blowers and fans	3.5	-	3.2	-	.2	-	2.4	-	1.3	-	.2	-
357	Office and computing machines	2.4	-	2.0	-	.1	-	2.0	-	1.0	-	.2	-
3573	Electronic computing equipment	2.5	-	2.0	-	.1	-	1.9	-	.9	-	.1	-
358	Refrigeration and service machinery	4.8	-	3.2	-	1.4	-	2.7	-	1.3	-	.4	-
3585	Refrigeration and heating equipment	5.5	-	3.3	-	1.8	-	2.8	-	1.2	-	.4	-
359	Misc. machinery, except electrical	4.6	-	3.8	-	.6	-	3.3	-	2.1	-	.3	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	3.6	3.1	2.5	2.3	.6	.4	3.2	2.8	1.4	1.4	.7	.4
361	Electric distributing equipment	3.7	-	2.5	-	.3	-	3.6	-	1.6	-	.3	-
3612	Transformers	3.8	-	2.4	-	.3	-	3.5	-	1.6	-	.3	-
3613	Switchgear and switchboard apparatus	3.6	-	2.6	-	.4	-	3.6	-	1.7	-	.3	-
362	Electrical industrial apparatus	3.1	-	2.2	-	.5	-	2.5	-	1.2	-	.3	-
3621	Motors and generators	3.4	-	2.1	-	.8	-	2.3	-	1.1	-	.2	-
3622	Industrial controls	2.4	-	1.9	-	.2	-	3.1	-	1.0	-	.4	-
363	Household appliances	4.5	-	1.7	-	2.2	-	3.9	-	1.6	-	1.3	-
3632	Household refrigerators and freezers	5.5	-	.9	-	3.1	-	4.2	-	.7	-	1.9	-
3633	Household laundry equipment	6.7	-	.6	-	5.7	-	.9	-	.3	-	.1	-
3634	Electric housewares and fans	4.5	-	2.7	-	1.5	-	6.0	-	3.2	-	2.1	-
364	Electric lighting and wiring equipment	3.9	-	2.8	-	.6	-	3.2	-	1.6	-	.5	-
3641	Electric lamps	2.3	-	1.3	-	.2	-	2.0	-	.7	-	.2	-
3643	Current-carrying wiring devices	3.2	-	2.4	-	.2	-	3.0	-	1.6	-	.5	-
365	Radio and TV receiving equipment	4.2	-	1.9	-	.8	-	7.8	-	1.7	-	4.1	-
3651	Radio and TV receiving sets	4.3	-	2.1	-	.5	-	7.5	-	1.7	-	3.6	-
366	Communication equipment	2.3	-	1.8	-	.2	-	1.7	-	.9	-	.2	-
3661	Telephone and telegraph apparatus	1.1	-	.7	-	.3	-	1.2	-	.5	-	.3	-
3662	Radio and TV communication equipment	2.8	-	2.3	-	.2	-	1.9	-	1.1	-	.2	-
367	Electronic components and accessories	4.6	-	3.9	-	.4	-	3.6	-	2.0	-	.5	-
3671-3	Electronic tubes	3.6	-	2.7	-	.2	-	2.8	-	1.2	-	.2	-
3674	Semiconductors and related devices	3.1	-	2.6	-	.2	-	2.3	-	1.0	-	.3	-
3679	Electronic components, nec	5.7	-	5.0	-	.4	-	4.7	-	2.7	-	.6	-
369	Misc. electrical equipment and supplies	3.4	-	2.5	-	.6	-	3.4	-	1.5	-	.9	-
3694	Engine electrical equipment	3.8	-	2.6	-	.9	-	3.5	-	1.4	-	1.2	-
37	TRANSPORTATION EQUIPMENT	3.7	-	2.1	-	1.1	-	3.2	-	1.1	-	1.1	-
371	Motor vehicles and equipment	2.6	-	1.3	-	.8	-	3.2	-	.8	-	1.2	-
3711	Motor vehicles and car bodies	1.9	-	.6	-	.6	-	2.4	-	.7	-	.7	-
3713	Truck and bus bodies	5.0	-	3.4	-	1.4	-	3.5	-	1.4	-	1.0	-
3714	Motor vehicle parts and accessories	2.8	-	1.4	-	.9	-	3.7	-	.8	-	1.7	-
3715	Truck trailers	6.3	-	5.7	-	.3	-	4.7	-	2.5	-	(¹)	-
372	Aircraft and parts	3.3	-	2.7	-	.2	-	1.6	-	.9	-	.1	-
3721	Aircraft	3.4	-	2.6	-	.3	-	1.4	-	.8	-	.2	-
3724	Aircraft engines and engine parts	2.1	-	1.8	-	.1	-	1.2	-	.5	-	.1	-
3728	Aircraft equipment, nec	4.7	-	4.2	-	.2	-	2.8	-	1.7	-	.1	-
373	Ship and boat building and repairing	6.6	-	4.0	-	2.4	-	6.3	-	2.1	-	3.0	-
3731	Ship building and repairing	6.6	-	3.5	-	2.9	-	6.8	-	1.9	-	3.8	-
3732	Boat building and repairing	6.7	-	5.9	-	.8	-	4.9	-	2.8	-	.5	-
374	Railroad equipment	3.0	-	1.8	-	.6	-	3.5	-	.6	-	1.3	-
376	Guided missiles, space vehicles, parts	2.2	-	1.2	-	.5	-	1.7	-	.7	-	.4	-
3761	Guided missiles and space vehicles	2.0	-	1.2	-	.4	-	1.6	-	.7	-	.4	-
379	Miscellaneous transportation equipment	8.3	-	5.9	-	1.7	-	9.2	-	4.3	-	3.3	-
38	INSTRUMENTS AND RELATED PRODUCTS	3.0	2.7	2.5	2.3	.3	.2	2.5	2.5	1.4	1.3	.3	.3
381	Engineering and scientific instruments	3.3	-	3.0	-	.2	-	1.9	-	1.3	-	.1	-
382	Measuring and controlling devices	3.4	-	2.8	-	.3	-	2.4	-	1.4	-	.3	-
3822	Environmental controls	3.9	-	2.8	-	.5	-	2.8	-	1.4	-	.4	-
3823	Process control instruments	3.2	-	2.3	-	.4	-	2.6	-	1.4	-	.3	-
3825	Instruments to measure electricity	3.2	-	2.7	-	(¹)	-	2.0	-	1.4	-	.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. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P
INSTRUMENTS AND RELATED PRODUCTS—Cont'd													
383	Optical instruments and lenses	2.5	-	2.3	-	0.1	-	2.1	-	1.6	-	0.1	-
384	Medical instruments and supplies	3.8	-	3.2	-	.4	-	3.4	-	2.0	-	.6	-
3841	Surgical and medical instruments	4.1	-	3.6	-	.3	-	4.0	-	2.7	-	.4	-
3842	Surgical appliances and supplies	3.4	-	2.5	-	.6	-	3.0	-	1.4	-	1.0	-
385	Ophthalmic goods	3.0	-	2.4	-	.5	-	3.4	-	2.0	-	.6	-
386	Photographic equipment and supplies	1.0	-	.9	-	(¹)	-	1.3	-	.6	-	.1	-
387	Watches, clocks, and watchcases	4.0	-	2.5	-	1.1	-	4.6	-	1.8	-	1.1	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.6	4.8	3.5	3.3	2.0	1.4	5.8	4.3	2.5	2.0	2.1	1.3
391	Jewelry, silverware, and plated ware	3.9	-	2.8	-	1.0	-	4.8	-	2.1	-	1.8	-
393	Musical instruments	4.3	-	3.8	-	.2	-	3.9	-	2.7	-	.2	-
394	Toys and sporting goods	9.4	-	3.4	-	5.8	-	7.4	-	2.6	-	3.2	-
3942,4	Dolls, games, toys, and children's vehicles	15.1	-	3.6	-	11.4	-	9.8	-	3.2	-	4.3	-
3949	Sporting and athletic goods, nec	4.7	-	3.3	-	1.1	-	5.6	-	2.2	-	2.3	-
395	Pens, pencils, office and art supplies	3.8	-	3.4	-	.3	-	3.3	-	1.7	-	.7	-
396	Costume jewelry and notions	5.3	-	3.5	-	1.5	-	9.2	-	3.4	-	4.1	-
399	Miscellaneous manufactures	4.6	-	3.8	-	.6	-	4.5	-	2.3	-	1.3	-
NONDURABLE GOODS													
20	FOOD AND KINDRED PRODUCTS	5.2	4.2	3.4	2.8	1.5	1.2	5.8	4.6	2.6	2.4	2.3	1.5
201	Meat products	6.8	-	5.1	-	1.0	-	6.7	-	4.1	-	1.7	-
2011	Meat packing plants	4.1	-	2.2	-	1.2	-	4.4	-	1.8	-	1.7	-
2013	Sausages and other prepared meats	3.4	-	1.9	-	1.3	-	5.0	-	1.8	-	2.2	-
2016	Poultry dressing plants	12.6	-	10.9	-	.7	-	11.6	-	8.9	-	1.5	-
202	Dairy products	3.4	-	2.5	-	.7	-	3.6	-	1.9	-	1.0	-
203	Preserved fruits and vegetables	8.4	-	4.1	-	4.3	-	8.8	-	2.9	-	4.8	-
204	Grain mill products	4.1	-	3.2	-	.7	-	4.3	-	2.2	-	1.0	-
205	Bakery products	3.4	-	2.2	-	.7	-	3.3	-	1.7	-	.9	-
2051	Bread, cake, and related products	3.3	-	2.3	-	.4	-	3.4	-	1.8	-	.8	-
2052	Cookies and crackers	4.1	-	1.6	-	2.4	-	3.2	-	1.0	-	1.7	-
206	Sugar and confectionery products	5.4	-	2.9	-	2.2	-	8.4	-	2.5	-	5.0	-
207	Fats and oils	3.6	-	3.1	-	.5	-	4.3	-	1.8	-	1.7	-
208	Beverages	3.9	-	2.5	-	1.3	-	5.3	-	1.7	-	2.6	-
2082	Malt beverages	3.8	-	1.0	-	2.6	-	5.7	-	.4	-	4.5	-
2086	Bottled and canned soft drinks	3.8	-	3.3	-	.3	-	4.7	-	2.5	-	1.2	-
209	Misc. foods and kindred products	5.4	-	3.3	-	1.9	-	6.6	-	2.7	-	3.0	-
21	TOBACCO MANUFACTURES	2.4	-	.9	-	.7	-	4.7	-	.7	-	3.0	-
211	Cigarettes	1.6	-	.5	-	.2	-	1.4	-	.2	-	(¹)	-
22	TEXTILE MILL PRODUCTS	4.5	3.8	3.4	2.9	.7	.5	4.5	3.8	2.7	2.4	.8	.6
221	Weaving mills, cotton	4.2	-	3.2	-	.3	-	3.9	-	2.4	-	.3	-
222	Weaving mills, synthetics	4.0	-	3.3	-	.3	-	4.0	-	2.8	-	.3	-
223	Weaving and finishing mills, wool	5.6	-	4.5	-	.9	-	4.5	-	3.1	-	.4	-
224	Narrow fabric mills	4.6	-	3.7	-	.7	-	4.3	-	2.2	-	1.1	-
225	Knitting mills	4.8	-	3.3	-	1.1	-	5.3	-	2.9	-	1.5	-
2251	Women's hosiery, except socks	5.0	-	4.6	-	.3	-	4.3	-	3.2	-	.2	-
2252	Hosiery, nec	4.9	-	4.3	-	.4	-	4.5	-	3.5	-	.4	-
2253	Knit outerwear mills	5.0	-	3.1	-	1.6	-	6.8	-	3.2	-	2.7	-
2254	Knit underwear mills	3.7	-	3.1	-	.6	-	3.6	-	2.8	-	.4	-
2257	Circular knit fabric mills	6.1	-	2.9	-	1.9	-	6.3	-	2.4	-	2.2	-
226	Textile finishing, except wool	3.4	-	2.3	-	.7	-	3.9	-	1.9	-	1.0	-
227	Floor covering mills	3.9	-	3.2	-	.4	-	3.8	-	2.1	-	.7	-
228	Yarn and thread mills	5.5	-	4.4	-	.7	-	5.2	-	3.8	-	.3	-
229	Miscellaneous textile goods	4.1	-	2.9	-	.8	-	3.9	-	1.9	-	.9	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.2	4.9	3.8	3.2	2.2	1.4	6.0	4.9	3.0	2.6	2.2	1.6
231	Men's and boys' suits and coats	5.0	-	2.2	-	2.5	-	4.9	-	1.7	-	2.4	-
232	Men's and boys' furnishings	5.7	-	4.2	-	1.2	-	5.7	-	3.5	-	1.5	-
2321	Men's and boys' shirts and nightwear	5.2	-	3.7	-	1.2	-	4.9	-	3.4	-	.7	-
2327	Men's and boys' separate trousers	5.5	-	4.5	-	.7	-	4.7	-	3.5	-	.7	-
2328	Men's and boys' work clothing	6.3	-	5.5	-	.6	-	6.3	-	4.0	-	1.5	-
233	Women's and misses' outerwear	7.6	-	3.7	-	3.6	-	6.4	-	2.8	-	2.8	-
234	Women's and children's undergarments	5.5	-	3.5	-	1.9	-	5.7	-	3.1	-	1.9	-
2341	Women's and children's underwear	5.7	-	3.6	-	1.9	-	6.0	-	3.5	-	1.9	-
2342	Brassieres and allied garments	4.7	-	2.9	-	1.8	-	4.6	-	1.9	-	1.8	-
236	Children's outerwear	5.4	-	3.6	-	1.7	-	5.1	-	2.6	-	1.8	-
238	Misc. apparel and accessories	5.6	-	3.7	-	1.6	-	7.2	-	2.7	-	3.9	-
239	Misc. fabricated textile products	5.5	-	4.2	-	1.2	-	5.9	-	3.1	-	1.4	-
26	PAPER AND ALLIED PRODUCTS	2.6	2.2	1.8	1.5	.7	.6	2.7	2.4	1.2	1.0	.8	.8
261,2,6	Paper and pulp mills	1.5	-	.8	-	.5	-	1.7	-	.6	-	.6	-
262	Paper mills, except building paper	1.5	-	.8	-	.5	-	1.7	-	.6	-	.6	-

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. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P	Jan. 1979	Feb. 1979 ^P
	PAPER AND ALLIED PRODUCTS—Continued												
263	Paperboard mills	1.4	—	1.0	—	0.2	—	1.6	—	0.7	—	0.4	—
264	Misc. converted paper products	3.3	—	2.4	—	.8	—	3.1	—	1.6	—	.7	—
265	Paperboard containers and boxes	3.4	—	2.3	—	.8	—	3.5	—	1.4	—	1.2	—
2651	Folding paperboard boxes	3.3	—	2.6	—	.6	—	3.3	—	1.4	—	1.1	—
2653	Corrugated and solid fiber boxes	2.8	—	2.2	—	.3	—	2.9	—	1.4	—	.7	—
27	PRINTING AND PUBLISHING	3.6	3.0	2.9	2.5	.5	0.5	3.5	2.7	1.9	1.7	.8	0.6
271	Newspapers	3.7	—	3.2	—	.2	—	3.6	—	2.6	—	.2	—
272	Periodicals	2.8	—	2.7	—	.1	—	2.0	—	1.4	—	.1	—
273	Books	4.1	—	2.9	—	1.1	—	3.5	—	1.7	—	1.1	—
274	Miscellaneous publishing	3.5	—	2.9	—	.5	—	3.7	—	1.7	—	.9	—
275	Commercial printing	3.5	—	2.5	—	.8	—	3.5	—	1.4	—	1.3	—
2751	Commercial printing, letterpress	3.7	—	2.4	—	1.1	—	3.8	—	1.6	—	1.7	—
2752	Commercial printing, lithographic	3.5	—	2.8	—	.5	—	3.4	—	1.3	—	1.1	—
278	Blankbooks and bookbinding	4.9	—	4.0	—	.9	—	4.4	—	2.5	—	1.1	—
28	CHEMICALS AND ALLIED PRODUCTS	1.7	1.6	1.3	1.2	.3	.3	1.7	1.4	.7	.6	.4	.3
281	Industrial inorganic chemicals	1.2	—	.8	—	.2	—	1.4	—	.4	—	.4	—
2819	Industrial inorganic chemicals, nec	1.2	—	.8	—	.3	—	1.2	—	.4	—	.2	—
282	Plastics materials and synthetics	1.3	—	.9	—	.2	—	1.1	—	.5	—	.1	—
2821	Plastics materials and resins	1.9	—	1.4	—	.3	—	1.4	—	.6	—	.1	—
2824	Organic fibers, noncellulosic	.7	—	.4	—	.1	—	.7	—	.4	—	(¹)	—
283	Drugs	1.7	—	1.4	—	.3	—	1.7	—	.7	—	.4	—
2834	Pharmaceutical preparations	1.8	—	1.5	—	.3	—	1.8	—	.8	—	.4	—
284	Soap, cleaners, and toilet goods	2.1	—	1.7	—	.3	—	2.5	—	.9	—	.9	—
2841	Soap and other detergents	1.3	—	.8	—	.4	—	2.1	—	.5	—	1.1	—
2844	Toilet preparations	2.7	—	2.2	—	.3	—	2.7	—	1.3	—	.6	—
285	Paints and allied products	2.2	—	1.6	—	.5	—	2.0	—	.9	—	.4	—
286	Industrial organic chemicals	1.2	—	.9	—	.1	—	1.1	—	.4	—	.1	—
287	Agricultural chemicals	4.0	—	3.1	—	.7	—	2.6	—	1.2	—	.9	—
289	Miscellaneous chemical products	2.3	—	1.9	—	.3	—	2.6	—	1.2	—	.6	—
29	PETROLEUM AND COAL PRODUCTS	2.1	1.7	1.7	1.4	.2	.2	2.0	1.7	.7	.5	.5	.4
291	Petroleum refining	1.5	—	1.3	—	(¹)	—	1.3	—	.4	—	.2	—
295	Paving and roofing materials	4.6	—	3.2	—	1.2	—	5.2	—	1.7	—	2.6	—
30	RUBBER AND MISC. PLASTICS PRODUCTS	5.1	3.9	3.8	3.2	1.0	.5	4.4	3.9	2.5	2.1	.9	.8
301	Tires and inner tubes	2.0	—	1.0	—	.6	—	1.6	—	.5	—	.4	—
302	Rubber and plastics footwear	7.4	—	6.7	—	.3	—	6.3	—	5.0	—	.6	—
303,4	Reclaimed rubber, and rubber and plastics hose and belting	4.5	—	3.4	—	.6	—	4.0	—	1.8	—	1.4	—
306	Fabricated rubber products, nec	4.2	—	3.3	—	.7	—	3.5	—	1.8	—	.5	—
307	Miscellaneous plastics products	6.0	—	4.5	—	1.3	—	5.3	—	3.0	—	1.1	—
31	LEATHER AND LEATHER PRODUCTS	6.9	5.0	4.3	3.5	2.1	1.1	6.5	6.1	3.7	3.3	1.8	1.8
311	Leather tanning and finishing	3.7	—	2.2	—	1.4	—	5.3	—	1.6	—	2.8	—
314	Footwear, except rubber	7.1	—	4.9	—	1.8	—	6.7	—	4.1	—	1.5	—
3143	Men's footwear, except athletic	6.0	—	5.0	—	.6	—	6.5	—	4.7	—	.8	—
3144	Women's footwear, except athletic	6.9	—	4.7	—	1.7	—	6.9	—	3.5	—	2.2	—
	NONMANUFACTURING:												
—	MINING	4.7	4.2	3.6	3.1	.6	.7	4.7	3.9	2.6	2.4	1.0	.7
10	METAL MINING	2.7	2.7	2.1	2.3	.3	.2	2.7	2.5	1.3	1.2	.5	.5
101	Iron ores	1.6	—	.5	—	.5	—	2.4	—	.4	—	.9	—
102	Copper ores	1.8	—	1.4	—	.3	—	1.4	—	.4	—	.1	—
12	BITUMINOUS COAL AND LIGNITE MINING	1.9	1.4	1.3	.9	.2	.4	2.6	1.8	.6	.6	1.3	.9
13	OIL AND GAS EXTRACTION	7.1	6.4	5.7	4.9	.8	.8	6.1	5.5	4.4	4.0	.4	.5
131, 2	Crude petroleum, natural gas, and natural gas liquids	2.5	—	1.8	—	.4	—	1.6	—	.8	—	.2	—
138	Oil and gas field services	10.4	—	8.5	—	1.1	—	9.4	—	6.9	—	.6	—
14	NONMETALLIC MINERALS, EXCEPT FUELS	3.2	3.4	2.1	1.9	1.0	1.3	5.3	3.1	1.4	1.5	3.3	.9
142	Crushed and broken stone	3.7	—	1.8	—	1.8	—	6.4	—	1.5	—	4.3	—
144	Sand and gravel	2.4	—	1.5	—	.8	—	7.7	—	1.3	—	5.7	—
—	COMMUNICATION:												
481	Telephone communication	1.5	—	1.1	—	(¹)	—	.7	—	.4	—	.1	—

¹ Less than 0.06.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1969 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1969	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972	4.3	4.3	4.4	4.4	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	4.7	4.5	4.3	4.2	4.1	4.0	3.8	3.3	3.1
1975	3.0	3.1	3.2	3.8	3.6	3.8	4.0	4.0	3.8	3.9	3.9	3.9
1976	4.2	4.2	4.2	4.1	3.9	3.8	3.8	3.7	3.7	3.8	3.8	4.0
1977	4.0	4.4	4.1	3.9	3.9	3.9	3.9	3.7	3.9	4.0	4.1	4.4
1978	4.2	4.0	3.9	4.2	4.0	3.9	3.8	3.8	4.1	4.4	4.5	4.4
1979	4.4	4.2 ^P										
New hires												
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.7	3.5	3.7	3.6	3.5	3.5
1970	3.3	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971	2.4	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	3.2	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	2.3	2.4	2.5	2.5
1976	2.6	2.8	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.5	2.5	2.6
1977	2.7	2.8	2.9	2.8	3.0	2.8	2.7	2.7	2.7	2.8	2.9	3.3
1978	3.1	3.0	3.0	3.1	3.0	3.0	2.9	2.8	3.1	3.4	3.5	3.5
1979	3.4	3.3 ^P										
Total separations												
1969	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972	4.2	4.1	4.2	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	4.5	4.5	4.6	4.7	4.5	4.8	5.1	4.9
1975	5.2	5.0	4.6	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.5
1976	3.6	3.6	3.9	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.7	3.7
1977	4.0	4.1	3.7	3.7	3.8	3.8	3.9	3.9	3.8	3.7	3.9	3.9
1978	3.8	3.8	3.8	4.0	3.9	4.0	3.9	3.7	3.7	3.9	3.9	4.1
1979	4.0	4.0 ^P										
Quits												
1969	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
1970	2.4	2.5	2.3	2.3	2.1	2.2	2.1	2.0	2.0	1.9	1.8	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972	2.1	2.1	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	2.3	2.3	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	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.7
1977	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.9	2.0	2.0
1978	2.0	2.0	2.0	2.2	2.1	2.1	2.0	1.9	2.0	2.3	2.2	2.2
1979	2.3	2.3 ^P										
Layoffs												
1969	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.5	1.9	1.9	2.2	2.0	1.7
1971	1.7	1.5	1.5	1.5	1.6	1.5	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	1.0	1.1	1.2	1.4	1.3	1.8	2.4	2.5
1975	2.9	2.9	2.7	2.6	2.5	2.2	1.7	1.7	1.7	1.5	1.5	1.3
1976	1.2	1.0	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.3	1.2
1977	1.3	1.4	1.1	1.1	1.1	1.2	1.2	1.3	1.1	1.1	1.0	1.0
1978	.9	.9	1.0	.9	1.0	1.0	.9	.9	.8	.9	.8	.9
1979	.8	.8 ^P										

p=preliminary.

**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. 1978	Jan. 1979 ^P	Dec. 1978	Jan. 1979 ^P	Dec. 1978	Jan. 1979 ^P	Dec. 1978	Jan. 1979 ^P	Dec. 1978	Jan. 1979 ^P	Dec. 1978	Jan. 1979 ^P
MINNESOTA	2.7	4.4	2.1	3.1	0.5	1.2	4.0	3.6	1.5	1.8	1.8	1.0
Minneapolis—St. Paul	2.5	4.0	2.0	2.8	.4	1.0	3.4	3.1	1.3	1.7	1.5	.5
MISSISSIPPI:												
Jackson	2.3	4.8	2.0	3.1	.3	1.7	3.9	4.3	1.9	2.1	.9	1.4
MISSOURI	2.1	3.5	1.5	2.4	.4	.9	2.7	3.3	1.2	1.6	.9	.9
Kansas City	2.2	3.2	1.7	2.4	.4	.6	2.5	2.7	1.4	1.4	.6	.3
St. Louis	1.5	2.6	1.0	1.7	.4	.8	2.3	2.5	.7	1.0	.9	.8
MONTANA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
NEBRASKA	2.9	4.5	2.5	3.9	.3	.6	3.2	3.8	2.0	2.3	.6	.6
NEVADA	5.0	11.2	4.2	9.2	.2	1.3	6.2	8.6	3.2	5.9	1.1	.4
NEW HAMPSHIRE	3.5	(*)	3.2	(*)	.2	(*)	3.9	(*)	2.4	(*)	.8	(*)
NEW JERSEY:												
Camden	1.8	3.3	1.1	1.5	.4	1.2	2.9	3.0	.6	.9	1.2	.8
Hackensack	2.9	4.5	2.3	3.2	.5	1.2	3.5	3.9	1.5	2.1	1.2	.9
Jersey City	2.7	3.8	2.1	1.7	.5	1.8	7.1	3.9	.8	.8	5.5	2.3
Newark	2.1	3.1	1.6	2.2	.3	.7	2.7	3.5	1.0	1.2	.9	1.3
New Brunswick—Perth Amboy—Sayreville	1.9	4.5	1.5	2.5	.3	1.8	4.2	3.3	1.0	1.5	2.3	.8
Paterson—Clifton—Passaic	2.4	3.5	1.8	2.2	.4	1.1	4.5	3.2	1.3	1.4	2.4	.9
Trenton	1.8	2.5	1.2	1.9	.4	.4	2.0	2.7	.7	.9	.7	1.0
NEW YORK	2.2	3.6	1.3	2.2	.7	1.2	4.0	4.2	.8	1.2	2.5	2.1
Albany—Schenectady—Troy	1.8	2.4	.8	1.1	.4	.6	2.8	3.6	.5	.7	1.3	.8
Binghamton	1.9	2.1	1.4	1.8	.2	.3	1.9	3.8	.9	1.3	.3	1.1
Buffalo	1.9	2.4	.8	1.3	.9	.8	2.1	2.8	.5	.6	1.1	1.4
Elmira	1.9	2.9	1.6	2.2	(²)	.3	2.5	9.6	.9	1.2	.7	.7
Monroe County ⁸	1.4	1.8	.9	1.5	.3	.1	1.8	1.8	.6	.9	.7	.3
Nassau—Suffolk ⁹	3.2	4.8	2.5	4.2	.5	.4	3.6	6.0	1.5	2.4	1.2	2.3
New York and Nassau—Suffolk	2.7	4.6	1.7	2.9	.9	1.5	5.6	5.8	1.1	1.5	3.8	3.2
New York SMSA ⁹	2.6	4.5	1.5	2.6	1.0	1.8	6.1	5.7	1.0	1.2	4.5	3.5
New York City ¹⁰	2.8	4.8	1.5	2.6	1.1	2.1	6.1	6.2	1.0	1.2	4.4	3.9
Rochester	1.6	2.1	1.1	1.6	.4	.3	2.7	2.3	.7	1.0	1.4	.6
Syracuse	1.4	2.3	1.0	1.8	.2	.3	2.7	3.0	.6	1.1	1.6	1.1
Utica—Rome	1.4	2.6	.8	1.5	.5	.9	2.1	2.5	.5	1.0	1.2	.8
Westchester County ¹⁰	1.8	2.7	1.3	2.1	.2	.5	6.9	2.8	.8	1.1	5.7	.8
NORTH CAROLINA	2.2	4.4	1.8	3.6	.2	.4	2.9	4.2	1.7	2.7	.6	.6
Charlotte—Gastonia	2.4	5.5	2.1	4.4	.2	.8	3.3	4.5	2.1	3.3	.5	.2
Greensboro—Winston-Salem—High Point	2.1	4.6	1.7	3.9	.1	.2	2.9	4.1	1.6	2.8	.6	.3
NORTH DAKOTA	5.5	7.0	4.4	3.7	.9	3.1	8.0	5.1	2.5	2.7	5.0	1.6
Fargo—Moorhead	3.1	3.8	2.3	3.2	.1	.2	7.1	6.0	1.7	1.6	4.1	3.8
OHIO	1.6	2.7	1.0	1.5	(*)	(*)	2.1	2.9	.6	.9	.8	1.0
Akron	1.2	1.7	.8	1.3	(*)	(*)	1.2	2.1	.5	.7	.2	.8
Canton	1.7	2.8	1.0	1.5	(*)	(*)	2.1	2.6	.5	.8	.5	.5
Cincinnati	2.0	2.5	1.3	1.5	(*)	(*)	2.2	2.7	.8	1.0	.7	1.0
Cleveland	1.7	2.7	1.3	2.0	(*)	(*)	1.8	2.9	.9	1.3	.3	.5
Columbus	1.6	1.8	1.1	1.0	(*)	(*)	2.1	2.4	.8	.8	.6	.8
Dayton	1.1	2.2	.8	1.8	(*)	(*)	1.3	2.5	.6	.8	.3	.6
Toledo	1.6	2.4	.7	1.5	(*)	(*)	2.3	3.0	.5	.7	1.1	1.2
Youngstown—Warren	1.3	2.9	.3	.5	(*)	(*)	2.7	2.8	.3	.4	1.8	1.3
OKLAHOMA	3.9	6.0	3.4	5.4	.4	.5	4.6	5.2	3.1	3.6	.6	.6
Oklahoma City	4.0	5.9	3.4	5.3	.6	.5	4.9	5.3	3.3	3.6	.6	.5
Tulsa ¹¹	4.2	6.7	3.9	6.0	.2	.2	4.9	5.5	3.0	3.4	.7	.8
OREGON ¹	2.8	4.3	2.1	3.0	.5	1.2	3.8	4.1	1.6	2.0	1.5	1.3
Portland ¹	3.3	5.1	2.6	3.5	.6	1.4	3.4	4.4	1.6	2.2	1.1	1.3
PENNSYLVANIA	1.9	3.0	1.1	1.7	.6	1.1	2.7	3.1	.8	1.0	1.3	1.3
Allentown—Bethlehem—Easton	1.2	2.5	.6	1.3	.4	1.1	2.1	2.0	.7	.8	1.1	.6
Altoona	1.3	2.1	.3	.7	.9	1.2	2.6	1.8	.5	.4	1.7	.9
Erie	1.7	3.3	1.1	1.7	.4	1.3	3.8	3.5	.7	1.0	2.5	1.5
Harrisburg	1.9	2.8	1.5	2.0	.2	.5	3.0	2.5	.9	1.2	1.4	.6
Johnstown	1.7	3.2	.8	1.1	.9	2.1	1.8	5.2	.8	.6	.6	3.5
Lancaster	2.0	3.0	1.6	2.4	.2	.4	2.7	2.6	1.3	1.4	1.0	.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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Dec. 1978	Jan. 1979P	Dec. 1978	Jan. 1979P	Dec. 1978	Jan. 1979P	Dec. 1978	Jan. 1979P	Dec. 1978	Jan. 1979P	Dec. 1978	Jan. 1979P
ALABAMA:												
Birmingham	1.4	2.3	0.7	1.1	0.4	0.8	2.2	2.7	0.7	0.9	0.8	0.8
Mobile ¹	2.8	9.2	1.1	1.2	1.6	8.0	6.8	5.3	1.0	1.0	5.1	3.2
ALASKA	4.1	(*)	3.4	(*)	.3	(*)	12.5	(*)	5.0	(*)	3.7	(*)
ARIZONA	3.6	5.0	3.2	4.2	.3	.5	3.6	4.6	2.0	2.5	.6	.8
Phoenix	3.7	5.0	3.3	4.4	.3	.3	3.7	4.3	2.0	2.5	.5	.3
ARKANSAS	3.1	5.3	2.6	3.7	.3	1.3	5.1	5.3	2.5	3.0	1.8	1.2
Fort Smith	2.7	5.1	2.1	4.0	.3	.8	3.7	4.6	2.3	3.1	.9	.5
Little Rock—North Little Rock	2.0	5.8	1.6	2.9	.2	2.8	4.6	3.5	1.5	2.1	2.3	.6
Pine Bluff	2.2	2.8	1.8	2.3	.2	.3	2.5	2.9	1.6	1.9	.5	.4
COLORADO	3.9	5.4	2.5	4.9	.4	.4	3.9	4.3	2.2	2.6	.7	.6
Denver—Boulder	4.9	5.8	3.2	5.5	.2	.3	3.5	5.0	2.3	3.0	.4	.8
CONNECTICUT	1.9	3.1	1.5	2.3	.2	.6	2.2	2.7	1.0	1.4	.7	.6
Hartford	2.4	3.4	2.1	2.6	.1	.4	1.9	2.3	.9	1.3	.6	.5
DELAWARE	1.2	1.9	.6	1.0	.3	.4	1.6	2.1	.5	.7	.7	.8
Wilmington	1.1	1.5	.4	.5	.3	.4	1.5	1.7	.3	.4	.6	.7
FLORIDA	4.5	5.8	3.5	5.0	.9	.6	4.6	4.9	2.6	3.1	1.1	.7
Fort Lauderdale—Hollywood	4.4	6.6	3.6	6.4	.8	.2	4.5	6.2	3.1	4.6	.2	.5
Jacksonville	4.4	5.6	3.0	5.1	1.4	.4	4.7	5.2	2.3	3.2	1.7	.9
Miami	3.8	5.9	3.5	5.4	.3	.3	4.5	4.4	2.5	2.9	1.2	.4
Orlando	4.6	5.6	3.7	5.0	.8	.6	3.1	4.2	2.0	2.9	.4	.4
Pensacola	1.6	3.1	1.4	3.1	.1	(²)	1.2	2.2	.7	1.3	(²)	.1
Tampa—St. Petersburg	6.0	6.9	3.9	5.1	2.0	1.6	6.3	5.0	3.6	3.1	1.8	1.1
West Palm Beach—Boca Raton	5.2	5.4	4.3	5.4	.9	(²)	3.7	5.0	2.4	2.4	(²)	(²)
GEORGIA	2.2	4.1	1.7	3.3	.3	.5	2.6	3.9	1.6	2.3	.3	.7
Atlanta ³	2.4	3.3	1.8	2.6	.4	.4	3.0	3.0	1.8	1.5	.3	.7
HAWAII ⁴	2.9	2.1	1.0	1.7	1.0	.2	2.1	2.4	1.5	.9	.3	.7
IDAHO ⁵	4.1	4.8	2.4	3.0	1.4	1.7	5.9	5.8	2.2	2.3	2.8	2.4
ILLINOIS:												
Chicago SMSA	2.2	3.0	1.8	2.5	.2	.3	2.3	3.2	1.2	1.6	.4	.5
INDIANA	1.8	3.0	1.1	1.9	.2	.7	3.0	3.2	.9	1.2	1.4	1.2
Indianapolis ⁶	2.1	3.3	1.3	1.9	.4	.9	2.3	2.8	.7	1.1	.8	.8
IOWA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Cedar Rapids	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Des Moines	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
KANSAS	3.4	5.2	2.9	4.3	.3	.6	3.4	4.0	2.0	2.4	.5	.5
Topeka	3.3	5.7	2.7	4.1	.5	.9	2.1	2.2	1.1	1.3	.4	.3
Wichita	3.7	5.8	3.4	4.7	.1	.8	4.5	3.6	2.1	2.2	1.2	.4
KENTUCKY	3.3	3.1	1.9	1.9	1.0	.8	4.6	2.8	1.3	1.3	2.5	.7
Louisville	1.8	2.0	.9	.8	.3	.7	2.6	2.1	.7	.7	.9	.5
LOUISIANA:												
New Orleans	3.5	4.9	2.9	4.2	.4	.4	4.2	5.0	2.1	3.0	1.2	.8
MAINE	3.9	5.1	3.1	3.8	.6	1.0	4.5	5.2	2.1	2.8	1.7	1.4
Portland	3.5	4.3	2.9	3.4	.3	.3	4.7	4.4	2.0	2.5	1.6	.8
MARYLAND	1.5	2.5	1.0	1.4	.4	.9	2.4	2.9	.7	.9	1.3	1.1
Baltimore	1.3	2.3	.8	1.3	.4	.9	2.2	2.7	.6	.7	1.2	1.2
MASSACHUSETTS	2.5	3.9	1.8	2.8	.5	.7	3.4	3.5	1.3	1.9	1.3	.8
Boston	2.5	3.3	1.6	2.4	.7	.6	3.5	3.3	1.1	1.5	1.7	.9
MICHIGAN	1.5	2.1	.8	1.4	.4	.5	2.1	1.9	.6	.7	.9	.7
Detroit	1.2	1.5	.7	1.0	.3	.3	1.9	1.6	.5	.6	.8	.5
Flint	.8	1.0	.5	.8	(²)	(²)	2.2	.9	.2	.1	.7	.4
Grand Rapids	1.6	2.6	1.2	2.1	.3	.3	1.9	2.7	.8	1.5	.4	.7
Lansing—East Lansing	.6	.4	.5	.3	(²)	.1	1.3	.3	.3	.2	.7	(²)

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. 1978	Jan. 1979 ^p	Dec. 1978	Jan. 1979 ^p	Dec. 1978	Jan. 1979 ^p	Dec. 1978	Jan. 1979 ^p	Dec. 1978	Jan. 1979 ^p	Dec. 1978	Jan. 1979 ^p
PENNSYLVANIA—Continued												
Northeast Pennsylvania	2.0	6.1	1.0	2.3	0.9	3.6	6.0	3.5	1.0	1.0	4.5	2.0
Philadelphia SMSA	1.7	2.8	1.1	1.9	.4	.8	2.3	2.9	.7	1.1	.9	1.2
Pittsburgh	1.9	2.7	.6	1.3	1.1	1.0	2.5	2.6	.4	.5	1.4	1.2
Reading ¹²	2.5	3.7	1.7	2.8	.6	.8	2.6	3.3	1.1	1.5	1.0	1.1
Scranton	1.5	5.1	.8	2.1	.6	2.7	5.2	4.2	1.2	1.2	3.7	2.5
Wilkes-Barre—Hazleton ¹²	1.5	6.2	.8	1.7	.6	4.1	6.2	3.0	.6	.8	5.1	1.9
Williamsport	1.9	3.3	.8	1.7	1.0	1.4	1.4	2.5	.6	.8	.5	1.3
York	2.7	3.7	2.1	2.9	.4	.6	4.7	4.4	1.8	2.2	2.3	1.5
RHODE ISLAND												
Providence—Warwick—Pawtucket	2.6	5.9	2.0	3.7	.4	1.9	6.9	5.5	2.1	2.6	3.7	1.6
Providence—Warwick—Pawtucket	2.6	5.4	2.0	3.6	.4	1.6	6.0	5.2	2.1	2.6	2.9	1.4
SOUTH CAROLINA												
Charleston—North Charleston	2.1	3.7	1.7	3.1	.3	.3	2.7	3.7	1.5	2.2	.5	.5
Charleston—North Charleston	1.8	5.1	1.3	4.2	.2	.8	1.9	3.7	1.2	1.6	(²)	1.2
Columbia	2.2	4.7	2.1	4.5	(²)	.1	2.9	3.6	1.5	2.5	.6	.2
Greenville—Spartanburg	3.0	4.0	2.3	3.4	.5	.2	3.2	4.2	1.8	2.6	.4	.4
SOUTH DAKOTA												
Sioux Falls	3.2	(*)	2.8	(*)	.3	(*)	3.9	(*)	2.1	(*)	1.1	(*)
Sioux Falls	3.5	2.8	2.8	2.3	.7	.4	4.6	2.5	1.8	1.5	2.1	.7
TENNESSEE:												
Memphis	1.8	3.3	1.3	2.2	.3	1.0	3.3	2.7	1.0	1.2	1.5	.7
TEXAS:												
Dallas—Fort Worth	3.8	(*)	3.3	(*)	.3	(*)	4.1	(*)	2.9	(*)	.3	(*)
Houston	3.1	(*)	2.9	(*)	.1	(*)	3.7	(*)	2.4	(*)	.4	(*)
San Antonio	3.6	(*)	3.5	(*)	.1	(*)	3.4	(*)	2.7	(*)	.2	(*)
UTAH³												
Salt Lake City—Ogden ³	4.7	6.2	4.0	4.9	.4	.8	5.0	5.7	2.8	3.4	1.2	1.4
Salt Lake City—Ogden ³	4.6	5.6	4.3	5.1	.2	.4	4.4	4.9	2.9	3.3	.6	.5
VERMONT												
Burlington	2.6	4.6	2.0	2.5	.5	2.0	4.1	3.1	1.2	1.5	2.3	.9
Burlington	1.4	2.1	1.1	1.9	.1	.1	1.1	1.6	.5	.6	.4	.5
Springfield	3.5	4.0	2.4	3.0	1.1	.9	2.7	2.5	1.0	1.4	1.2	.6
VIRGINIA												
Richmond	2.4	3.1	1.3	2.2	.8	.7	3.7	3.6	1.2	1.5	1.7	1.1
Richmond	1.6	1.9	1.1	1.1	(²)	.7	1.9	2.3	.7	.5	.6	.8
WASHINGTON:												
Seattle—Everett ¹³	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
WISCONSIN												
Milwaukee	2.0	3.3	1.3	2.1	.4	.9	2.7	3.3	.9	1.1	1.2	1.3
Milwaukee	2.0	4.0	1.3	2.1	.3	1.4	2.5	3.9	.9	1.1	.8	1.7
WYOMING												
.....	4.9	6.9	4.2	5.2	.6	1.5	7.0	10.1	4.1	4.0	1.3	4.4

¹ Excludes canning and preserving.

² Less than 0.05.

³ Excludes agricultural chemicals, and miscellaneous manufacturing.

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

⁵ Excludes canning and preserving, and sugar.

⁶ Excludes canning and preserving, and newspapers.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

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

¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Excludes new-hire rate for transportation equipment.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹³ Excludes canning and preserving, printing and publishing.

^p preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
ALABAMA	1,532.9	1,579.1	1,591.5	107.3	115.3	118.5	7.0	7.3	7.4
Birmingham	358.9	370.7	372.0	22.7	24.6	24.3	6.3	6.6	6.5
Huntsville	128.2	132.2	132.8	8.7	9.6	9.6	6.8	7.2	7.2
Mobile	173.2	176.7	177.4	13.8	13.7	13.0	8.0	7.8	7.3
Montgomery	107.8	114.7	115.9	5.3	6.9	7.0	4.9	6.1	6.0
Tuscaloosa	52.3	50.6	51.1	4.0	3.6	3.7	7.7	7.2	7.2
ALASKA	169.1	170.7	175.7	20.0	20.0	20.9	11.8	11.7	11.9
ARIZONA	983.2	1,030.6	1,041.9	69.6	66.7	63.6	7.1	6.5	6.1
Phoenix	590.9	624.3	629.8	35.6	33.7	32.6	6.0	5.4	5.2
Tucson	179.8	185.6	187.5	11.9	10.5	9.3	6.6	5.7	5.0
ARKANSAS	894.9	897.0	916.7	65.4	71.0	67.3	7.3	7.9	7.3
Fayetteville-Springdale	70.2	70.6	71.2	4.5	4.1	4.0	6.4	5.8	5.6
Fort Smith	80.1	83.4	84.6	5.9	8.0	8.4	7.3	9.7	10.0
Little Rock-North Little Rock	170.0	172.3	174.3	7.9	8.3	8.0	4.6	4.8	4.6
Pine Bluff	35.8	35.1	35.9	2.7	2.7	2.6	7.4	7.8	7.2
CALIFORNIA	10,424.8	10,806.5	10,825.6	856.8	779.9	761.8	8.2	7.2	7.0
Anaheim-Santa Ana-Garden Grove	971.1	1,036.0	1,038.0	50.7	49.2	43.2	5.2	4.7	4.2
Bakersfield	165.1	170.5	170.5	16.0	15.6	17.0	9.7	9.2	10.0
Fresno	244.7	249.1	250.1	27.3	23.1	25.0	11.2	9.3	10.0
Los Angeles-Long Beach	3,386.0	3,541.0	3,552.0	283.0	229.0	221.0	8.3	6.5	6.2
Modesto	128.0	127.8	131.5	20.2	16.5	20.0	15.8	12.9	15.2
Oxnard-Biml Valley-Ventura	207.9	208.5	209.8	17.0	17.7	16.7	8.2	8.5	8.0
Riverside-San Bernardino-Ontario	542.2	563.5	564.1	38.6	38.4	36.6	7.1	6.8	6.5
Sacramento	438.6	450.8	450.8	38.4	38.4	37.3	8.8	8.5	8.3
Salinas-Seaside-Monterey	120.0	120.1	121.7	15.4	13.5	15.2	12.9	11.2	12.5
San Diego	673.3	709.7	707.1	47.2	48.3	43.4	7.0	6.8	6.1
San Francisco-Oakland	1,555.9	1,596.7	1,589.5	98.6	98.6	90.5	6.3	6.2	5.7
San Jose	647.8	667.5	672.4	43.2	38.3	39.4	6.7	5.7	5.9
Santa Barbara-Santa Maria-Lompoc	138.8	142.7	141.3	10.5	11.4	10.7	7.6	8.0	7.6
Santa Rosa	118.8	120.6	121.4	11.1	9.8	9.6	9.4	8.1	7.9
Stockton	153.0	154.7	154.9	21.5	19.4	20.4	14.1	12.5	13.2
Vallejo-Fairfield-Napa	119.1	120.3	121.7	9.2	8.7	8.5	7.7	7.3	7.0
COLORADO	1,249.6	1,288.5	1,295.6	73.1	69.9	68.9	5.9	5.4	5.3
Denver-Boulder	740.9	764.1	766.1	38.7	37.1	35.5	5.2	4.9	4.6
CONNECTICUT	1,469.3	N.A.	N.A.	94.0	N.A.	N.A.	6.4	N.A.	N.A.
Bridgeport	180.9	N.A.	N.A.	12.4	N.A.	N.A.	6.8	N.A.	N.A.
Hartford	351.1	N.A.	N.A.	19.8	N.A.	N.A.	5.6	N.A.	N.A.
New Britain	69.7	N.A.	N.A.	5.0	N.A.	N.A.	7.2	N.A.	N.A.
New Haven-West Haven	187.1	N.A.	N.A.	11.1	N.A.	N.A.	6.0	N.A.	N.A.
Stamford	112.5	N.A.	N.A.	5.4	N.A.	N.A.	4.8	N.A.	N.A.
Waterbury	104.2	N.A.	N.A.	7.5	N.A.	N.A.	7.2	N.A.	N.A.
DELAWARE	264.9	270.1	269.4	26.4	19.2	21.6	10.0	7.1	8.0
Wilmington	232.0	241.2	240.5	22.1	16.7	17.9	9.5	6.9	7.4
DISTRICT OF COLUMBIA	328.8	330.6	328.9	30.9	24.9	25.0	9.4	7.5	7.6
Washington SMSA	1,507.9	1,549.5	1,542.2	79.3	76.9	77.6	5.3	5.0	5.0
FLORIDA	3,623.4	3,756.4	3,780.9	221.9	283.3	220.9	6.1	7.5	5.8
Fort Lauderdale-Hollywood	378.5	385.7	391.5	24.7	27.4	22.1	6.5	7.1	5.6
Jacksonville	290.9	300.2	300.8	16.6	22.1	17.6	5.7	7.4	5.9
Miami	675.7	695.0	696.6	44.8	52.7	40.7	6.6	7.6	5.8
Orlando	279.7	298.5	299.3	16.1	21.0	16.3	5.8	7.0	5.5
Pensacola	104.4	109.0	108.6	5.1	8.7	6.0	4.9	7.9	5.5
Tampa-St. Petersburg	552.7	569.1	572.7	31.8	39.3	31.1	5.7	6.9	5.4
West Palm Beach-Boca Raton	211.6	222.9	224.4	12.3	16.4	12.6	5.8	7.3	5.6
GEORGIA	2,257.0	2,327.9	2,327.5	128.4	150.5	135.4	5.7	6.5	5.8
Albany	45.3	49.9	50.1	3.0	3.3	2.9	6.5	6.6	5.8
Atlanta	889.4	915.4	915.6	47.4	57.5	52.0	5.3	6.3	5.7
Augusta	119.0	124.6	124.4	7.6	8.1	7.4	6.4	6.5	5.9
Columbus	82.2	87.2	87.2	4.9	6.7	6.5	6.0	7.7	7.4
Macon	100.9	100.9	101.1	7.5	7.0	6.7	7.4	6.9	6.6
Savannah	87.5	91.8	90.7	4.8	6.5	5.6	5.5	7.0	6.2

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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
HAWAII	397.6	395.5	403.9	30.4	31.2	29.1	7.6	7.9	7.2
Honolulu	314.1	310.7	318.2	23.5	23.9	22.1	7.5	7.7	7.0
IDAHO	380.1	400.9	400.4	25.4	35.2	33.3	6.7	8.8	8.3
Boise City	80.2	87.5	87.4	3.1	5.4	5.4	3.9	6.1	6.1
ILLINOIS ⁽⁶⁾	5,227.0	5,272.1	5,224.4	373.4	303.1	295.9	7.1	5.7	5.7
Bloomington—Normal	58.6	58.1	59.0	3.4	2.7	2.7	5.8	4.6	4.6
Champaign—Urbana—Rantoul	77.3	77.7	79.2	4.5	3.9	3.7	5.8	5.0	4.7
Chicago	3,334.0	3,383.4	3,341.0	218.8	177.1	170.4	6.6	5.2	5.1
Davenport—Rock Island—Moline ¹	178.8	179.2	178.3	11.0	8.6	8.1	6.1	4.8	4.5
Decatur	59.0	59.3	58.5	5.1	4.1	4.0	8.6	6.9	6.8
Peoria	169.7	173.7	172.3	10.5	9.3	9.5	6.2	5.4	5.5
Rockford	133.5	136.7	134.5	8.0	7.0	6.7	6.0	5.1	5.0
Springfield	94.8	94.2	93.2	6.8	6.4	6.2	7.2	6.7	6.7
INDIANA	2,506.4	2,588.8	2,592.2	172.9	165.4	167.6	6.9	6.4	6.5
Anderson	59.6	61.0	61.0	4.1	4.1	4.8	6.9	6.8	7.8
Evansville ¹	137.3	138.9	139.0	7.9	8.9	8.0	5.7	6.4	5.7
Fort Wayne	181.1	188.7	188.3	10.1	9.7	9.3	5.6	5.1	5.0
Gary—Hammond—East Chicago	279.7	290.1	289.2	19.1	17.4	16.5	6.8	6.0	5.7
Indianapolis	565.6	580.7	579.3	36.2	33.4	31.2	6.4	5.7	5.4
Lafayette—West Lafayette	61.2	64.2	64.9	3.3	3.6	3.1	5.3	5.6	4.8
Muncie	56.2	57.0	57.0	4.7	4.4	4.1	8.3	7.7	7.2
South Bend	138.5	141.2	142.9	8.3	7.9	7.9	6.0	5.6	5.5
Terre Haute	80.7	82.0	82.5	6.8	5.6	5.7	8.5	6.9	6.8
IOWA	1,358.7	1,364.6	1,377.8	70.1	69.8	67.2	5.2	5.1	4.9
Cedar Rapids	82.6	85.0	86.0	3.4	3.5	3.7	4.1	4.1	4.3
Des Moines	178.1	179.1	179.5	8.0	8.4	8.0	4.5	4.7	4.5
Dubuque	44.4	44.2	44.5	2.7	2.9	2.8	6.0	6.6	6.3
Sioux City ¹	56.2	55.6	55.5	3.5	4.6	4.3	6.2	8.2	7.8
Waterloo—Cedar Falls	66.7	68.0	68.5	3.3	3.7	3.7	5.0	5.4	5.4
KANSAS	1,119.0	1,158.5	1,165.8	44.2	40.4	37.4	3.9	3.5	3.2
Topeka	93.2	95.8	97.0	4.2	4.4	4.0	4.5	4.6	4.1
Wichita	206.4	221.9	223.5	8.2	7.7	6.8	4.0	3.5	3.0
KENTUCKY	1,498.0	1,526.4	1,506.2	116.0	114.6	99.1	7.7	7.5	6.6
Lexington—Fayette	149.7	156.4	154.0	5.8	7.1	5.5	3.9	4.5	3.5
Louisville	399.5	408.7	405.3	26.9	25.2	23.0	6.7	6.2	5.7
Owensboro	36.1	37.9	37.5	2.4	3.0	2.5	6.5	7.8	6.7
LOUISIANA	1,577.7	1,606.7	1,620.2	112.0	103.3	97.1	7.1	6.4	6.0
Alexandria	66.1	66.3	66.6	6.2	5.1	5.0	9.3	7.7	7.4
Baton Rouge	199.7	200.4	203.6	12.9	12.1	11.6	6.5	6.0	5.7
Lafayette	61.4	64.6	65.6	2.9	2.8	2.7	4.8	4.4	4.1
Lake Charles	64.4	64.6	65.1	5.0	4.3	4.1	7.8	6.6	6.4
Monroe	51.0	53.5	53.1	3.6	4.0	3.5	7.0	7.5	6.6
New Orleans	459.0	458.3	459.9	31.4	26.4	24.4	6.9	5.8	5.3
Shreveport	144.1	148.0	148.1	9.2	8.5	7.7	6.4	5.7	5.2
MAINE	449.8	N.A.	N.A.	34.1	N.A.	N.A.	7.6	N.A.	N.A.
Lewiston—Auburn	35.8	N.A.	N.A.	2.3	N.A.	N.A.	6.4	N.A.	N.A.
Portland	79.9	N.A.	N.A.	4.7	N.A.	N.A.	5.9	N.A.	N.A.
MARYLAND	1,957.6	2,034.1	2,038.4	130.8	137.4	139.3	6.7	6.8	6.8
Baltimore	997.4	1,042.3	1,041.2	72.9	74.6	72.3	7.3	7.2	6.9
MASSACHUSETTS ²	2,789.5	2,904.6	2,917.7	199.2	219.2	193.1	7.1	7.5	6.6
Boston	1,348.4	N.A.	1,411.2	90.6	N.A.	86.7	6.7	N.A.	6.1
Brockton	80.0	N.A.	85.5	6.6	N.A.	5.9	8.2	N.A.	6.9
Fall River ¹	78.7	N.A.	N.A.	6.9	N.A.	N.A.	8.7	N.A.	N.A.
Lawrence—Haverhill ¹	138.1	N.A.	N.A.	11.2	N.A.	N.A.	8.1	N.A.	N.A.
Lowell ¹	111.1	N.A.	115.8	8.2	N.A.	7.0	7.4	N.A.	6.0
New Bedford	81.9	N.A.	85.5	8.2	N.A.	8.6	10.1	N.A.	10.1
Springfield—Chicopee—Holyoke ¹	271.9	N.A.	284.9	16.0	N.A.	15.7	5.9	N.A.	5.5
Worcester	193.5	N.A.	202.9	11.1	N.A.	10.9	5.8	N.A.	5.3
MICHIGAN ³	4,171.3	4,275.0	4,288.4	299.4	341.3	351.6	7.2	8.0	8.2
Ann Arbor	136.4	139.7	142.3	6.9	7.5	7.9	5.1	5.4	5.6

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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
MICHIGAN—Continued									
Battle Creek	81.5	83.0	83.2	5.9	6.1	6.0	7.3	7.4	7.3
Bay City	53.8	54.7	55.7	3.7	3.9	4.3	6.9	7.2	7.7
Detroit	1,997.9	2,026.6	2,033.8	141.6	150.6	159.0	7.1	7.4	7.8
Flint	222.1	231.7	232.3	15.9	20.1	19.0	7.2	8.7	8.2
Grand Rapids	286.1	292.6	294.2	14.4	18.6	18.0	5.0	6.3	6.1
Jackson	64.8	67.6	68.0	3.9	4.8	4.9	6.0	7.1	7.3
Kalamazoo—Portage	130.9	132.7	135.3	7.1	8.8	9.3	5.4	6.6	6.8
Lansing—East Lansing	226.7	232.2	234.9	13.4	15.8	15.0	5.9	6.8	6.4
Muskegon—Norton Shores—Muskegon Heights	76.0	77.4	78.1	7.0	7.6	8.0	9.2	9.8	10.2
Saginaw	103.0	107.9	108.9	5.3	7.4	7.6	5.2	6.8	6.9
MINNESOTA									
Duluth—Superior ¹	1,898.3	N.A.	N.A.	95.0	N.A.	N.A.	5.0	N.A.	N.A.
Minneapolis—St. Paul	111.6	N.A.	N.A.	9.0	N.A.	N.A.	8.1	N.A.	N.A.
1,019.0	N.A.	N.A.	36.0	N.A.	N.A.	3.5	N.A.	N.A.	
MISSISSIPPI									
Jackson	930.2	964.8	971.1	67.0	70.9	66.3	7.2	7.3	6.8
	132.5	142.8	143.3	7.0	6.8	5.6	5.3	4.8	3.9
MISSOURI									
Kansas City ¹	2,213.8	2,248.3	2,251.9	145.8	122.6	115.8	6.6	5.5	5.1
St. Joseph	673.5	684.1	682.1	33.2	30.9	27.3	4.9	4.5	4.0
St. Louis ¹	45.0	43.8	44.1	2.8	2.5	2.4	6.3	5.7	5.3
Springfield	1,075.8	1,085.5	1,082.8	77.7	62.2	58.9	7.2	5.7	5.4
	99.8	101.1	102.0	5.0	4.6	4.2	5.0	4.6	4.1
MONTANA									
Billings	342.5	356.2	357.2	25.7	26.6	22.1	7.5	7.5	6.2
Great Falls	51.4	53.1	53.2	2.9	3.1	2.4	5.6	5.8	4.5
	33.7	34.9	34.9	2.7	3.0	2.4	8.0	8.6	7.0
NEBRASKA									
Lincoln	735.9	746.8	745.1	32.1	25.4	22.7	4.4	3.4	3.1
Omaha ¹	99.2	110.8	111.7	4.7	3.2	2.5	4.7	2.9	2.3
	274.8	273.7	273.3	13.9	11.3	10.5	5.1	4.1	3.8
NEVADA									
Las Vegas	318.4	331.7	331.5	18.3	17.0	17.6	5.7	5.1	5.3
Reno	172.8	177.9	177.9	10.5	8.9	9.6	6.1	5.0	5.4
	91.3	97.9	97.8	4.2	4.1	3.9	4.6	4.1	4.0
NEW HAMPSHIRE									
Manchester	404.2	N.A.	N.A.	17.8	N.A.	N.A.	4.4	N.A.	N.A.
Nashua	77.5	N.A.	N.A.	3.4	N.A.	N.A.	4.4	N.A.	N.A.
	53.7	N.A.	N.A.	2.2	N.A.	N.A.	4.1	N.A.	N.A.
NEW JERSEY									
Atlantic City	3,323.4	3,511.2	3,545.9	276.6	262.4	295.9	8.3	7.5	8.3
Jersey City	76.9	85.3	85.1	10.9	10.2	10.5	14.2	12.0	12.3
Long Branch—Asbury Park	253.2	253.6	258.3	28.8	28.5	31.4	11.4	11.3	12.1
Newark	212.4	221.2	224.0	17.9	19.7	21.1	8.4	8.9	9.4
New Brunswick—Perth Amboy—Sayreville	935.5	964.0	972.5	72.3	63.9	71.6	7.7	6.6	7.4
Paterson—Clifton—Passaic	305.3	321.9	324.8	21.6	18.6	22.0	7.1	5.8	6.8
Trenton	208.0	220.5	225.0	20.4	19.4	22.2	9.8	8.8	9.9
Vineland—Millville—Bridgeton	155.5	161.3	163.6	8.7	9.7	10.8	5.6	6.0	6.6
	59.0	62.5	62.1	6.0	7.5	7.6	10.2	12.0	12.2
NEW MEXICO									
Albuquerque	502.2	520.9	519.8	32.1	36.0	34.8	6.4	6.9	6.7
	190.1	198.2	198.0	11.3	12.6	12.2	6.0	6.4	6.2
NEW YORK									
Albany—Schenectady—Troy	7,715.9	7,987.1	7,951.4	685.7	617.7	585.6	8.9	7.7	7.4
Binghamton ¹	363.0	380.1	375.0	25.7	24.4	23.7	7.1	6.4	6.3
Buffalo	133.5	143.6	142.0	10.0	9.0	8.4	7.8	6.3	5.9
Elmira	555.6	589.5	580.7	51.4	46.9	43.3	9.2	8.0	7.5
Nassau—Suffolk	39.1	41.5	40.9	3.6	2.9	2.7	9.1	7.0	6.7
New York ¹	1,190.9	1,285.3	1,265.4	97.1	84.5	81.3	8.2	6.6	6.4
New York City ²	3,624.9	3,626.4	3,640.6	338.4	301.6	283.6	9.3	8.3	7.8
Poughkeepsie	3,062.0	3,025.0	3,045.0	300.0	266.0	250.0	9.8	8.8	8.2
Rochester	98.8	106.0	107.1	6.0	5.8	5.7	6.1	5.5	5.3
Syracuse	445.3	474.6	469.1	31.3	27.8	26.6	7.0	5.9	5.7
Utica—Rome	289.3	307.4	305.7	22.6	20.9	20.5	7.8	6.8	6.7
	132.3	139.6	138.8	11.3	10.1	9.8	8.5	7.2	7.1
NORTH CAROLINA									
Asheville	2,618.2	2,657.0	2,673.0	143.6	128.7	134.8	5.5	4.8	5.0
Charlotte—Gastonia	80.1	81.3	81.1	4.5	4.5	4.2	5.6	5.5	5.2
	325.2	331.3	332.3	11.2	10.8	10.5	3.4	3.3	3.2

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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
NORTH CAROLINA—Continued									
Greensboro—Winston-Salem—High Point	411.7	414.0	415.4	19.3	16.3	16.5	4.7	3.9	4.0
Raleigh—Durham	269.7	274.9	276.7	9.7	8.0	8.5	3.6	2.9	3.1
NORTH DAKOTA	272.5	278.8	285.7	16.7	17.3	16.3	6.1	6.2	5.7
Fargo—Moorhead ¹	67.4	N.A.	N.A.	2.9	N.A.	N.A.	4.3	N.A.	N.A.
OHIO	4,742.9	4,997.1	4,983.5	296.7	331.1	325.8	6.3	6.6	6.5
Akron	288.5	299.7	298.4	18.0	20.4	20.4	6.2	6.8	6.8
Canton	170.7	180.7	179.8	11.3	12.3	12.1	6.6	6.8	6.7
Cincinnati ¹	614.9	656.0	652.1	35.6	42.1	39.0	5.8	6.4	6.0
Cleveland	887.0	931.1	927.8	44.9	50.2	49.9	5.1	5.4	5.4
Columbus	507.0	537.7	538.1	26.1	29.2	30.6	5.1	5.4	5.7
Dayton	364.6	386.6	386.2	18.3	21.9	22.2	5.0	5.7	5.8
Toledo	349.3	369.2	369.8	23.4	28.6	28.1	6.7	7.8	7.6
Youngstown—Warren	229.4	236.2	234.4	21.1	18.4	17.6	9.2	7.8	7.5
OKLAHOMA	1,227.6	1,249.1	1,261.4	61.8	49.6	52.1	5.0	4.0	4.1
Oklahoma City	367.1	381.4	385.9	16.2	13.9	15.3	4.4	3.6	4.0
Tulsa	293.7	297.7	299.1	15.0	11.7	10.6	5.1	3.9	3.6
OREGON	1,149.5	1,201.0	1,196.4	83.8	99.2	94.3	7.3	8.3	7.9
Eugene—Springfield	119.9	N.A.	N.A.	9.2	N.A.	N.A.	7.7	N.A.	N.A.
Portland ¹	557.7	N.A.	N.A.	34.3	N.A.	N.A.	6.1	N.A.	N.A.
Salem	106.5	N.A.	N.A.	7.2	N.A.	N.A.	6.8	N.A.	N.A.
PENNSYLVANIA	5,132.2	5,275.6	5,239.5	392.0	376.0	394.0	7.6	7.1	7.5
Allentown—Bethlehem—Easton ¹	287.2	299.5	296.9	19.7	19.7	19.9	6.9	6.6	6.7
Altoona	55.6	57.7	57.7	4.5	5.1	5.6	8.1	8.9	9.7
Erie	119.1	125.9	125.1	8.0	9.5	9.6	6.7	7.5	7.6
Harrisburg	209.1	218.4	213.6	11.5	11.9	10.5	5.5	5.5	4.9
Johnstown	106.4	107.2	107.0	13.2	10.0	10.5	12.4	9.4	9.8
Lancaster	165.7	173.9	172.2	8.3	8.3	8.3	5.0	4.8	4.8
Northeast Pennsylvania	269.7	281.8	280.9	24.2	26.2	26.1	9.0	9.3	9.3
Philadelphia ¹	2,031.9	2,098.1	2,090.8	153.7	143.2	156.9	7.6	6.8	7.5
Pittsburgh	969.1	1,004.0	994.7	68.6	63.3	67.1	7.1	6.3	6.7
Reading	142.8	152.0	151.0	8.7	8.2	8.5	6.1	5.4	5.6
Williamsport	51.8	54.4	55.0	4.9	4.5	5.3	9.4	8.2	9.6
York	160.1	168.8	167.8	9.5	8.9	10.1	5.9	5.3	6.0
RHODE ISLAND	418.5	N.A.	N.A.	36.6	N.A.	N.A.	8.7	N.A.	N.A.
Providence—Warwick—Pawtucket ¹	426.8	N.A.	N.A.	36.4	N.A.	N.A.	8.5	N.A.	N.A.
SOUTH CAROLINA	1,262.8	1,270.8	1,268.9	78.9	75.3	71.5	6.2	5.9	5.6
Charleston—North Charleston	147.0	150.1	149.8	9.4	9.0	8.5	6.4	6.0	5.7
Columbia	167.0	167.9	168.2	7.9	7.3	6.9	4.7	4.3	4.1
Greenville—Spartanburg	253.1	253.2	251.8	13.6	11.2	10.7	5.4	4.4	4.2
SOUTH DAKOTA	302.3	317.4	321.7	11.3	14.2	12.1	3.7	4.5	3.8
Sioux Falls	56.8	61.1	61.3	1.6	2.2	1.7	2.8	3.6	2.8
TENNESSEE	1,875.8	1,939.3	1,921.6	124.8	143.5	122.8	6.7	7.4	6.4
Chattanooga ¹	183.3	186.7	186.3	11.3	11.5	10.5	6.2	6.2	5.6
Knoxville	194.7	207.3	204.9	10.3	11.4	9.0	5.3	5.5	4.4
Memphis ¹	364.0	375.3	372.3	20.8	25.4	19.6	5.7	6.8	5.3
Nashville—Davidson	381.1	400.0	396.9	18.1	19.7	16.5	4.7	4.9	4.2
TEXAS	5,833.9	6,084.6	6,154.4	317.2	269.0	276.5	5.4	4.4	4.5
Amarillo	82.1	86.2	86.7	3.4	3.6	2.9	4.2	4.2	3.3
Austin	229.2	240.3	247.8	7.9	7.6	7.6	3.5	3.2	3.1
Beaumont—Port Arthur—Orange	164.9	165.9	167.5	12.5	11.0	11.3	7.6	6.6	6.7
Corpus Christi	128.2	130.9	133.3	8.2	6.3	6.6	6.4	4.8	5.0
Dallas—Fort Worth	1,343.5	1,432.7	1,451.1	63.0	54.0	54.1	4.7	3.8	3.7
El Paso	162.8	168.6	171.2	16.1	13.3	14.3	9.9	7.9	8.4
Galveston—Texas City	79.0	81.9	82.6	5.9	4.5	4.6	7.4	5.5	5.6
Houston	1,300.1	1,377.5	1,385.5	57.7	48.3	47.9	4.4	3.5	3.5
Lubbock	98.0	102.5	103.1	4.3	3.6	3.7	4.3	3.8	3.6
San Antonio	394.9	406.6	411.3	26.4	22.9	24.0	6.7	5.6	5.8
Waco	74.6	77.3	78.1	4.1	3.3	3.2	5.5	4.2	4.1
Wichita Falls	58.0	59.7	60.1	2.5	2.2	2.2	4.3	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. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P	FEB. 1978	JAN. 1979	FEB. 1979P
UTAH	521.5	542.1	549.9	24.5	24.1	24.8	4.7	4.4	4.5
Salt Lake City—Ogden	345.5	359.7	365.1	15.5	15.0	15.8	4.5	4.2	4.3
VERMONT	230.5	N.A.	N.A.	16.7	N.A.	N.A.	7.3	N.A.	N.A.
VIRGINIA	2,353.6	2,429.4	2,415.2	159.2	151.6	159.6	6.8	6.2	6.6
Lynchburg	71.6	72.2	72.0	4.7	3.7	3.9	6.5	5.1	5.4
Newport News—Hampton	149.2	153.9	149.9	10.8	12.2	11.1	7.2	7.9	7.4
Norfolk—Virginia Beach—Portsmouth ¹	306.5	316.3	312.8	23.4	21.9	22.1	7.6	6.9	7.1
Petersburg—Colonial Heights—Hopewell	58.4	60.6	60.2	4.0	4.4	4.4	6.8	7.2	7.4
Richmond	304.4	316.7	314.1	12.9	12.1	13.3	4.2	3.8	4.2
Roanoke	108.9	108.4	107.9	9.4	6.6	7.0	8.6	6.1	6.5
WASHINGTON	1,672.9	1,755.3	1,757.8	138.8	142.3	149.5	8.3	8.1	8.5
Seattle—Everett	722.4	770.2	765.8	49.4	46.8	46.6	6.8	6.1	6.1
Spokane	136.3	139.9	141.9	10.3	10.8	13.3	7.5	7.7	9.4
Tacoma	159.8	164.8	164.5	13.8	13.6	14.1	8.7	8.2	8.6
WEST VIRGINIA	709.8	746.9	735.8	69.3	66.9	65.8	9.8	9.0	8.9
Charleston	115.8	121.8	120.1	8.3	7.0	6.9	7.2	5.7	5.7
Huntington—Ashland ¹	116.6	120.0	118.5	10.7	8.8	8.5	9.2	7.3	7.2
Parkersburg—Marietta ¹	65.5	70.4	69.9	4.9	5.1	5.1	7.4	7.3	7.3
Wheeling ¹	76.0	80.3	79.2	7.0	6.0	5.9	9.2	7.5	7.4
WISCONSIN	2,226.9	N.A.	N.A.	140.0	N.A.	N.A.	6.3	N.A.	N.A.
Appleton—Oshkosh	138.7	N.A.	N.A.	8.3	N.A.	N.A.	6.0	N.A.	N.A.
Eau Claire	50.4	N.A.	N.A.	3.8	N.A.	N.A.	7.5	N.A.	N.A.
Green Bay	84.2	N.A.	N.A.	5.4	N.A.	N.A.	6.6	N.A.	N.A.
Kenosha	55.0	N.A.	N.A.	7.6	N.A.	N.A.	13.8	N.A.	N.A.
La Crosse	43.9	N.A.	N.A.	2.8	N.A.	N.A.	6.4	N.A.	N.A.
Madison	170.3	N.A.	N.A.	8.5	N.A.	N.A.	5.0	N.A.	N.A.
Milwaukee	688.4	N.A.	N.A.	33.9	N.A.	N.A.	4.9	N.A.	N.A.
Racine	87.1	N.A.	N.A.	6.3	N.A.	N.A.	7.2	N.A.	N.A.
WYOMING	184.7	202.5	198.8	7.4	8.1	6.6	4.0	4.0	3.3

¹ Includes interstate portion of area located in adjacent State.

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

NOTE: Estimates for 1978 have been benchmarked to 1978 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for

1979 are provisional 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

These explanatory notes provide information on the concepts, methodology, and scope of Household Data (A tables), Establishment Data (B, C, and D tables), and State and Area Unemployment Data (E table) published in *Employment and Earnings*.

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 56,000 households, representing 614 areas in 1,113 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

Employment

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

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

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

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

Hours of work

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, domestic service, self-employment, unpaid family work, and religious organizations). 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 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 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 obtained from the Department of Defense.

Each month, 56,000 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 56,000 occupied units, there are 9,500 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.

CONCEPTS

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

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

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.

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

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and 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 public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated pick-up point.

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria

described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

The unemployment rate represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

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

Employment-population ratios represent the proportion of the total noninstitutional population that is employed. This measure can also be computed as a ratio of employment and the civilian noninstitutional population.

Not in labor force includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

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

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

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

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

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

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

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

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

Race. White and black and other are terms used to describe the race of workers. The black and other category, which until recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who 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, Asian and Pacific Islanders, and all other "non-white" groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

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, approximately 96 percent of their population is white.

Major activity: *going to school* and major activity: *other* are terms used to describe whether the activity of young persons during the reference week are primarily one of going to school or not. Statistics on major 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 nonpoor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

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

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

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged.

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

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

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

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

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than 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 has race determined by the household respondent and seven-eighths of the sample households has race determined by interviewer observation. The corresponding numbers are 2/8 and 6/8 in November 1978, 3/8 and 5/8 in December 1978, 4/8 and 4/8 from January 1979 through September 1979, 5/8 and 3/8 in October 1979, and so on, until the entire sample has race determined by the household respondent in January 1980. Although the impact of this change is presently unknown, it is possible that it will cause a break in the time series given 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 "Revisions in the Current Population Survey in January 1979" in the February 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 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 non-farm 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 occupation classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

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

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. A recent change was introduced in January 1978, when a supplemental sample of housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual

Time period	Number of sample areas ¹	Households eligible		Households visited not eligible ²
		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 ³	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 present	614	53,500	2,500	9,500

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

² These are households which were visited, but were found to

be vacant or otherwise not eligible for interview.

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

average estimates for States, was incorporated with the existing design. A coverage improvement sample 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. This sample is composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units. These new construction units are composed of those units where building permits were issued prior to January 1970 and construction was not completed by the time of the 1970 Census (i.e., April 1970). The extent of other sources of housing undercoverage is unknown but believed to be small. The inclusion of this coverage improvement sample in the CPS does not have a significant effect on the estimates.

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*, U.S. Department of Commerce, Bureau of the Census, Technical Paper No. 40, 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 no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

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 expansion, 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 black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the 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 614 sample areas are 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. U.S. Department of Commerce, Bureau of the Census.

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. Bailer, *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 used 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 appear in An Error Profile: *Employment as Measured by the Current Population Survey*, by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in the paper "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, No. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, U.S. Department of Commerce, Bureau of the Census. 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 the one standard error or below the estimate to one standard error above the estimate would include the average result of all possible sample.
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 procedure in effect prior to the expansion for annual average 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 error 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

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
<i>(In thousands)</i>		
Total, 16 years and over:		
Civilian labor force	223	171
Employed	236	180
Unemployed	107	111
Males, 20 years and over:		
Civilian labor force	124	107
Employed	135	118
Unemployed	68	71
Females, 20 years and over:		
Civilian labor force	168	129
Employed	167	131
Unemployed	64	67
Both sexes, 16-19 years:		
Civilian labor force	80	85
Employed	84	94
Unemployed	56	69
Black and other, 16 years and over:		
Civilian labor force	78	60
Employed	85	65
Unemployed	54	57
Males, 20 years and over:		
Civilian labor force	44	38
Employed	49	43
Unemployed	33	35
Females, 20 years and over:		
Civilian labor force	62	48
Employed	62	49
Unemployed	34	36
Both sexes, 16-19 years:		
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 58 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 shows 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 percent). The appropriate factor from table H for the numerator of the percentage, agriculture employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.1$ percent.

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 percentage 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 percent). The appropriate factor then from table I is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.11 \times 1.40 = 0.15$ percent.

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	OCCUPATION—Continued		
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	INDUSTRY		
Part-time workers . . . . .	.32	.40	Nonagricultural private wage and salary workers . . . . .	.12	.13
Unemployed 15 weeks and over . . . . .	.06	.07	Construction . . . . .	.58	.66
OCCUPATION			Manufacturing . . . . .	.22	.24
White-collar workers . . . . .	.12	.13	Durable goods . . . . .	.27	.30
Professional and technical . . . . .	.18	.20	Non-durable 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 ¹								
	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	—	—	—	—	—	—	—

¹ 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 ¹							
	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 ²	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	—	—	—	—	—	—	—

¹ See footnote 1, table C.

² Part-time labor force for unemployment also includes persons

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

Table 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
Agricultural employment:					
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
Labor force data other than agricultural employment data and unemployment data:					
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
Unemployment:					
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 with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents, and together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

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

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Report on Employment, Payroll, and Hours; and Form 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 assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

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

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the 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.

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 laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid during the period.

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plants own use (e.g., power plant), and record-keeping 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 pre-cutting and preassembling) ordinarily performed by members of the construction trades.

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

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

Hours cover the hours paid for, during the pay period which

includes the 12th of the month, for production, construction, or nonsupervisory workers. Included are hours paid for holidays 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 does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production worker, construction worker, or nonsupervisory employee definitions.

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying 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 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 for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

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

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

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 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 nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with no dependents or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

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

"Real" earnings 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. "Real" earnings for months prior to January 1978 are deflated by the unrevised CPI-W, whereas those for January 1978 forward are deflated by the revised CPI-W. 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. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

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

Indexes of diffusion of changes in number of employees on non-agricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

Labor turnover

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

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

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

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 are 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, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

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

The "link relative" technique

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

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)
Monthly data		
All employees	All-employees estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	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. ²	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. ²	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime hours divided by number of production workers. ²	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
Annual average data		
All employees, 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 aggregate (of each labor turnover action) divided by annual sum of employment.

¹ The estimates result from multiplying the product shown by business birth adjustment factors to compensate for the under representation of newly formed enterprises in the sample.

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

computing industry statistics on employment, hours, earnings, and labor turnover.

Size and regional stratification

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

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1977 levels. Normally, benchmark adjustments are made annually.

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

The estimates 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 at levels 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 1977 benchmark adjustment is shown in table K.

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.

Table K. Comparison of nonagricultural employment benchmarks based on 1972 SIC and estimates based on 1967 SIC for 1977

Industry division	Benchmark (1972 SIC) March 1977	Estimate (1967 SIC) March 1977	Percent difference
Total	80,493	80,547	-0.1
Mining	805	827	-2.7
Construction	3,430	3,451	.6
Manufacturing	19,253	19,183	.4
Transportation and public utilities	4,603	4,522	1.8
Wholesale and retail trade	17,891	17,799	.5
Finance, insurance, and real estate	4,377	4,422	-1.0
Services	14,935	15,028	-.6
Government	15,199	15,315	-.8

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

THE SAMPLE

Design

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

establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to 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 fluctuations 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 reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table 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.

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 (based on the 1967 SIC) of the

Table L. Approximate size and coverage of BLS employment and payrolls sample, March 1977¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	164,300	32,152,000	40
Mining	2,100	313,000	39
Construction	16,300	686,000	20
Manufacturing	47,100	11,166,000	58
Transportation and public utilities:			
Railroad transportation (ICC)	77	508,000	95
Other transportation and public utilities ..	7,400	2,208,000	53
Wholesale and retail trade	40,600	3,242,000	18
Finance, insurance, and real estate	10,600	1,583,000	36
Services	24,300	2,896,000	19
Government:			
Federal (Civil Service Commission) ²	3,700	2,714,000	100
State and local	12,100	6,836,000	55

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

² National estimates of Federal employment are provided to the BLS by the Civil Service Commission. State and area estimates are based on a sample of 3,700 reports covering about 55 percent of employment in Federal establishments.

Table M. Approximate size and coverage of BLS labor turnover sample, March 1977

Industry	Employees	
	Number reported	Percent of total
Total	10,070,140	49
Manufacturing	9,233,370	48
Mining	136,810	41
Telephone communication	699,960	72

six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors (based on the 1967 SIC) 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 experience of the last 6 years and the 1967 SIC) of differences between final estimates and benchmarks are presented in table O.

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

Table N. Average benchmark percent revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry division¹

[In percent]

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

¹ Based on 1967 SIC.

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

³ Relative errors relate to March 1971 data.

⁴ 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.

normally not greater than .1 of an hour for weekly hours and 1 cent for hourly earnings.

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 earnings¹

Size of employment estimate	Root-mean-square error of employment estimates ²	Relative errors ³ (in percent)	
		Average weekly hours	Average hourly earnings
50,000	1,900	0.9	1.5
100,000	2,700	.7	1.1
200,000	4,100	.5	.9
500,000	9,600	.4	.8
1,000,000	13,000	.3	.5
2,000,000	16,800	.3	.5

¹ Based on 1967 SIC.

² Assuming 12-month intervals between benchmark revisions.

³ Relative errors relate to March 1971 data.

Table P. Errors of preliminary employment estimates¹

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	800	700
200,000	1,400	1,200
500,000	3,300	3,200
1,000,000	4,200	4,200
2,000,000	6,500	6,300
10,000,000	27,000	23,000
Total nonagricultural employment	94,000	81,000
Mining	6,000	5,000
Contract construction	17,000	15,000
Manufacturing	35,000	33,000
Transportation and public utilities	14,000	12,000
Wholesale and retail trade	33,000	31,000
Finance, insurance, and real estate	6,000	6,000
Services	27,000	22,000
Government	45,000	39,000

¹ Based on 1967 SIC.

STATISTICS FOR STATES AND AREAS

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

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

PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and Gross National Product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

Definition

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 payment for the self-employed, except for non-financial 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 households and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate 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 hour data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

State and area unemployment data

(E table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

Monthly employment and unemployment estimates in the remaining 40 States and 205 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 residence 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 UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force of 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 six 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 labor force included in the LMA's exhaust 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

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment programs used for these series are an adaptation 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).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal adjustment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally

adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. In January 1978, modifications were introduced in the procedure for seasonally adjusting teenage nonagricultural employment, a number of other teenage employment series, and adult male unemployment.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted series for major components of the labor force based on data through December 1978, new seasonal factors for the 12 major components of the civilian labor force, and a description of the seasonal adjustment methodology are published in the February 1979 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, seasonally adjusted series for all employees, women employees, production workers, hours, and earnings, are computed using the *BLS Seasonal Factor Method*. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly

earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted revised Consumer Price Index for Urban Wage Earners and Clerical Workers (revised 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 May 1978. Seasonal factors to be used for current adjustment appear in the October 1978 issue of *Employment and Earnings*.

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

U.S. Department of Labor

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

BLS
Region

IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Montgomery 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 (LAUS and CES).
VIII COLORADO	-Management Services, Department of Labor and Employment, 1210 Sherman Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
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IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
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