

Employment and Earnings

February 1979



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In this issue:
Revised seasonally adjusted
labor force series





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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.

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

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Employment and Unemployment Developments, January 1979

Employment rose in January and unemployment was little changed. The unemployment rate was 5.8 percent; it has been either 5.8 or 5.9 percent for the past 6 months.

Total employment—as measured by the monthly survey of households—advanced by 450,000 in January to 96.3 million, and the employment-population ratio reached a new high of 59.3 percent.

Nonfarm payroll employment—as measured by the monthly survey of establishments—grew by 325,000 over the month to 87.6 million. Gains were widely dispersed throughout the major industry divisions.

Unemployment

The number of persons unemployed in January and the unemployment rate, 5.9 million and 5.8 percent, respectively, were about unchanged from the previous month and have been virtually the same for the past 6 months. Similarly, the jobless rates for adult men (4.0 percent), adult women (5.7 percent), and teenagers (15.7 percent) were little changed from December. The rates for whites (5.1 percent) and blacks (11.2 percent), like the overall rate, have remained at about their late-summer levels. Occupational and industry jobless rates were in line with those of the past several months. (See tables A-33 and A-36.)

Since January 1978, however, the overall unemployment rate has declined by about half a point, and nearly all worker groups—including Vietnam-Era veterans and persons of Hispanic origin—shared in the improvement. Among the exceptions were male teenagers and part-time workers. (See tables A-34, A-41, and A-43.)

Half of the jobless had been seeking work for less than 6 weeks; except for a dip in the prior 2 months, the median duration of unemployment has not changed since last June. Over the year, however, the duration of joblessness dropped by about half a week. (See table A-37.)

Total employment and the labor force

Total employment rose by about 450,000 in January, after having grown very little in the month before. From a 2-month perspective, the expansion was about on par with the continuing strong upward trend. Although adult men accounted for most of the over-the-month employment gain, adult women have comprised half of the 3.4 million increase in jobholders since January 1978.

The civilian labor force grew by more than 300,000 from December to January to 102.2 million and has risen

by 2.9 million from its year-earlier level. The civilian labor force participation rate rose slightly over the month to 63.7 percent, an all-time high. Over-the-year gains in participation were strongest among adult women and teenagers. (See table A-33.)

Industry payroll employment

Nonfarm payroll employment increased by 325,000 to 87.6 million in January, as employment grew in 72 percent of the 172 industries that comprise the BLS diffusion index of private nonagricultural employment. The number of nonfarm jobs was 3.6 million higher than a year earlier. (See tables B-4 and B-7.)

Over-the-month job gains took place in nearly all of the major industry divisions. The largest increase was in retail trade—130,000—which more than counteracted a small reduction in the prior month. Elsewhere in the service-producing sector, smaller gains occurred in services (40,000), finance, insurance, and real estate (25,000), and transportation and public utilities (15,000).

In the goods-producing sector, manufacturing employment continued the sustained growth evident since last September, although at a slower pace. Totalling 65,000, the gains were generally pervasive throughout the durable and nondurable goods industries. Over the past year, job growth in the durable goods industries (610,000) has far outpaced the increase in nondurables (115,000). Employment in mining and construction was little changed over the month. However, construction employment was 455,000 higher than its year-ago level.

Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 35.7 hours in January, down from December's level of 35.9 hours. The manufacturing workweek slipped by 0.1 hour to 40.6 hours. Factory overtime, at 3.8 hours, was unchanged from December. (See table C-7.)

Because the reduction in the workweek more than offset the employment pickup, the index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls declined 0.2 percent to 122.6 (1967=100) in January. The manufacturing index, however, continued to rise. The overall index was 5.5 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 increased 0.5 percent in January and 8.8 percent from a year ago (seasonally adjusted). Average weekly earnings were about unchanged over the month, reflecting the decline in the average workweek. Weekly earnings were 9.4 percent above the January 1978 level.

Before adjustment for seasonality, average hourly earnings rose 5 cents in January to \$5.95, 48 cents above January 1978; average weekly earnings were \$209.44, \$3.55 below December, out \$17.44 higher than a year earlier. (See tables C-1 and C-9.)

Revisions in the Current Population Survey in January 1979

Robert Tegels

The household data on the labor force status and other characteristics of the population are compiled monthly from a sample survey, the Current Population Survey (CPS), which is conducted by the Bureau of the Census for the Bureau of Labor Statistics.

Through December 1977, the published household data were derived from a sample of 47,000 households designed to produce estimates for the Nation as a whole. The sample was enlarged in January 1978 in order to produce reliable annual average estimates of unemployment for each State. This expanded sample was created by adding supplemental housing units to the national sample. This also necessitated a change in the method of producing the estimates from the CPS. These revisions in the CPS are described in an article by Margaret E. Schooley in the February 1978 issue of *Employment and Earnings*.

As a result of the revisions in the estimation methods, there was a decrease in the reliability of estimates involving metropolitan and nonmetropolitan residence. This decrease was due to the manner in which the areas were grouped in order to select the sample and to the procedure used in calculating the first-stage ratio estimation factors. (See Explanatory Notes section on household data for a description of the CPS sample and estimating methods.)

In order to improve the reliability of the metropolitan-nonmetropolitan estimates, a new first-stage ratio adjust-

ment procedure was implemented for the January 1979 data. This new procedure involves two first-stage ratio adjustments. The first step, performed by region (the four census regions are Northeast, North Central, South, and West), attempts to control the reliability on metropolitan-nonmetropolitan characteristics. A second adjustment is made by State in order to maintain control on the reliability of urban-rural residence characteristics.

Table 1 presents estimates from the December 1978 CPS using both the old and new first-stage ratio estimation procedures. There appears to be no change in the major labor force characteristics for the total United States; however, the new procedure yields slightly larger estimates for metropolitan characteristics and correspondingly smaller estimates for nonmetropolitan characteristics. These new estimates are closer to those which would have been produced under the method used before the expanded sample was incorporated in 1978. It is believed that the earlier estimation procedure based on the national sample was more reliable in producing estimates of metropolitan-nonmetropolitan characteristics than the method used in 1978.

* Robert Tegels is a mathematical statistician in the Statistical Methods Division of the Bureau of the Census, U.S. Department of Commerce.

Table 1. Comparison between old and new first-stage factor procedures for estimates of labor force status: December 1978

(In thousands)

Area and population group	Total population		Civilian labor force						Not in labor force	
	Old procedure	New procedure	Total		Employed		Unemployed		Old procedure	New procedure
			Old procedure	New procedure	Old procedure	New procedure	Old procedure	New procedure		
ALL AREAS										
Total, 16 years and over	160,142	160,142	101,632	101,622	95,906	95,898	5,725	5,724	58,510	58,519
Males	75,767	75,767	58,692	58,680	55,668	55,663	3,024	3,017	17,075	17,087
16-19 years	8,167	8,167	4,757	4,762	3,955	3,959	803	803	3,409	3,405
20 years and over	67,800	67,600	53,935	53,919	51,713	51,704	2,221	2,215	13,665	13,682
Females	84,375	84,375	42,940	42,942	40,239	40,236	2,701	2,707	41,435	41,433
16-19 years	8,256	8,256	4,426	4,426	3,782	3,780	644	646	3,830	3,829
20 years and over	76,119	76,119	38,514	38,516	36,457	36,456	2,057	2,060	37,605	37,603
Black and other, 16 years and over	19,635	19,635	12,076	12,078	10,773	10,776	1,303	1,302	7,559	7,557
Males	8,835	8,835	6,345	6,351	5,692	5,696	653	655	2,489	2,484
16-19 years	1,225	1,225	515	519	350	351	166	168	710	706
20 years and over	7,610	7,610	5,830	5,832	5,343	5,345	487	487	1,780	1,778
Females	10,800	10,800	5,731	5,728	5,081	5,080	650	647	5,069	5,073
16-19 years	1,308	1,308	483	481	326	324	156	156	825	827
20 years and over	9,493	9,493	5,248	5,247	4,755	4,756	493	491	4,244	4,246
Metropolitan areas										
Total, 16 years and over	108,604	109,037	70,031	70,331	66,128	66,414	3,903	3,917	38,573	38,706
Males	51,145	51,359	40,165	40,341	38,089	38,261	2,077	2,080	10,979	11,018
16-19 years	5,455	5,482	3,192	3,211	2,625	2,639	567	571	2,262	2,270
20 years and over	45,690	45,877	36,973	37,129	35,464	35,622	1,509	1,509	8,717	8,748
Females	57,459	57,678	29,865	29,990	28,040	28,153	1,826	1,838	27,594	27,687
16-19 years	5,533	5,557	3,053	3,068	2,616	2,626	437	441	2,480	2,489
20 years and over	51,926	52,121	26,812	26,923	25,423	25,526	1,389	1,397	25,114	25,198
Black and other, 16 years and over	14,916	15,023	9,346	9,409	8,330	8,386	1,016	1,021	5,570	5,615
Males	6,663	6,710	4,864	4,898	4,348	4,378	515	519	1,798	1,812
16-19 years	903	911	391	395	254	256	136	139	513	516
20 years and over	5,759	5,799	4,474	4,503	4,095	4,122	379	381	1,285	1,296
Females	8,254	8,313	4,482	4,511	3,981	4,008	501	502	3,772	3,803
16-19 years	981	988	352	353	242	242	110	110	629	635
20 years and over	7,273	7,325	4,131	4,157	3,740	3,766	391	392	3,143	3,168

Table 1. Comparison between old and new first-stage factor procedures for estimates of labor force status: December 1978—Continued

(In thousands)

Area and population group	Total population		Civilian labor force						Not in labor force	
	Old procedure	New procedure	Total		Employed		Unemployed		Old procedure	New procedure
			Old procedure	New procedure	Old procedure	New procedure	Old procedure	New procedure		
Nonmetropolitan areas										
Total, 16 years and over	51,538	51,105	31,600	31,291	29,779	29,485	1,823	1,807	19,936	19,814
Males	24,622	24,408	18,526	18,340	17,579	17,402	947	937	6,095	6,069
16-19 years	2,712	2,685	1,565	1,551	1,330	1,320	235	231	1,147	1,135
20 years and over	21,909	21,723	16,961	16,789	16,249	16,083	712	706	4,948	4,934
Females	26,916	26,697	13,075	12,952	12,200	12,083	875	869	13,841	13,746
16-19 years	2,723	2,699	1,373	1,358	1,166	1,154	207	206	1,350	1,340
20 years and over	24,193	23,998	11,702	11,593	11,034	10,930	668	664	12,491	12,405
Black and other, 16 years and over	4,719	4,611	2,731	2,671	2,443	2,389	286	281	1,988	1,942
Males	2,172	2,125	1,481	1,454	1,343	1,317	138	136	691	672
16-19 years	322	314	124	124	96	95	30	29	197	190
20 years and over	1,951	1,811	1,357	1,329	1,248	1,223	108	107	494	481
Females	2,547	2,487	1,250	1,217	1,100	1,072	149	145	1,297	1,270
16-19 years	327	320	131	127	85	82	47	46	196	192
20 years and over	2,219	2,167	1,118	1,090	1,015	989	103	99	1,101	1,077

NOTE: Data are not seasonally adjusted.

Revision of Seasonally Adjusted Labor Force Series

*Thomas J. Plewes

At the beginning of each year, the Bureau of Labor Statistics revises the seasonal adjustment factors for unemployment and other major labor force series derived from the Current Population Survey (CPS) to take into account data from the previous year. This year's revisions incorporate data through December 1978. The revised data for many of the labor force groups were released by the BLS on January 12 (USD L 79-72).¹

This issue of *Employment and Earnings* provides revised seasonal factors for the 12 component series comprising the civilian labor force. They are to be used in computation of the overall unemployment rate for each month of 1979 (shown on page 12). This issue also contains revised seasonally adjusted data for approximately 500 series for 1974-78, by month (see pages 136-165). These revised data replace those published beginning in the February 1978 issue which were based on experience through December 1978.

The incorporation of the 1978 observations and recomputation of the seasonally adjusted data led to minor revisions in the seasonally adjusted overall unemployment rate for 5 months of 1978. Table 1 compares the revised rates with those originally published.

Table 1. Revised seasonally adjusted unemployment rates in 1978

Month	As published during 1978	As revised
January	6.3	6.3
February	6.1	6.1
March	6.2	6.2
April	6.0	6.1
May	6.1	6.1
June	5.7	5.8
July	6.2	6.1
August	5.9	5.9
September	6.0	5.9
October	5.8	5.8
November	5.8	5.8
December	6.0 ¹	5.9

¹ This rate was revised prior to release but is presented here as it would have appeared if published using the revision factors generated in January 1978.

For most series, seasonality was computed based on the most recent 12-year period. For series with fewer than

12 years of observations, the full span of the series was used. Revisions in the series, however, are limited to the last 5 years, 1974-78, so only the seasonally adjusted series for those years are published in this issue. Seasonally adjusted data for 1973 and previous years are not subject to further revision. They appear in previous February issues of *Employment and Earnings*. Historical data for these series may be obtained from BLS in tabular or machine readable form upon request.

Method of adjustment

The Census Bureau's X-11 method² has been used to adjust the unemployment and other labor force series for the period 1967 to the present. Data for years prior to 1967 were adjusted using the BLS *Seasonal Factor Method*.³

The X-11 method uses either of two procedures. The *multiplicative* procedure assumes that the original series is the *product* of the trend-cycle, seasonal, and irregular components. The *additive* procedure assumes that the original series is the *sum* of the three components. Once a series is broken down into its components, the seasonally adjusted series are computed either by dividing each month's original value by the corresponding seasonal factor (the multiplicative procedure) or by subtracting that factor from the original value (the additive procedure).

Aggregation procedures

The BLS adjusts some 280 labor force series each year, and combines the resulting values to produce seasonally adjusted data for many other time series. Civilian labor force and unemployment rate statistics are computed by this method of aggregation, for example. Data for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment for four age-sex groups (males and females under and over 20 years of age)—are adjusted separately for seasonal

* Thomas J. Plewes is an economist in the Office of Current Employment Analysis, Bureau of Labor Statistics.

¹ Similar to the timing of this year's revisions, 1979 revisions may be introduced concurrent with the release of the December 1979 data in January 1980.

² For a detailed description of the X-11 method, see Technical Paper No. 15, the *X-11 Variant of the Census Method II Seasonal Adjustment Program*, by Julius Shiskin, Alan Young, and John Musgrave (Bureau of the Census, 1967).

³ This method is described in the *BLS Handbook of Methods*, Bulletin 1910 (Bureau of Labor Statistics 1976), Appendix A.

variation and then added to derive seasonally adjusted total figures. Total employment and civilian labor force estimates are derived in a similar fashion. The unemployment rate for all civilian workers is obtained by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted age-sex components) by the civilian labor force (the sum of 12 seasonally adjusted age-sex components).

Adjustment procedures

The procedures used in adjusting the labor force series this year are the same as those followed in 1978.⁴ All teenage unemployment series have been adjusted by the X-11 additive procedure since 1976; additive adjustment of teenage nonagricultural employment was initiated in January 1978. In order to correct for the sharp shift in the level of the adult male unemployment series at the end of 1974, a prior-weight adjustment option of the X-11 program was introduced in January 1978 and is retained in the current recomputation of seasonality.

Seasonal adjustment of the Vietnam-Era veteran series has been discontinued this year. For the past few years, the BLS has published seasonally adjusted labor force data for male Vietnam-Era veterans aged 20-34 years, and for the three 5-year age groups within this total (20-24, 25-29, and 30-34). As veteran cohorts have aged, however, it has become increasingly difficult to adequately identify repetitive seasonal fluctuations. While the seasonally adjusted data on Vietnam-Era veterans are not stable enough to warrant publication, the series for the 25-29 and 30-34 age groups continue to be adjusted for test purposes and are available upon request to the Division of Employment and Unemployment Analysis.

Alternative seasonal adjustment procedures

The search for an optimal method of seasonally adjusting the labor force series is a continuing process. Over the past few years, considerable research has been conducted by BLS and outside agencies to develop procedures for adjusting these sensitive series. The National Commission on Employment and Unemployment Statistics, for example, recently sponsored an intensive examination of seasonal adjustment methods and procedures.⁵

The analysis performed for the National Commission recommended two basic alternatives to the present procedure for seasonal adjustment—concurrent adjustment and conversion to a method known as X-11-ARIMA.

Concurrent adjustment is a process of adjusting the data series each month as the latest observations become available. It contrasts with the present practice of adjusting the labor force series with projected seasonal factors based upon data from the previous year. Concurrent adjustment has the advantage of incorporating the actual behavior of the series (and, consequently, shifts in the underlying patterns of seasonality) in the computation of each month's adjustment factors. BLS has computed a concurrently adjusted overall unemployment rate for the past 2 years for illustrative purposes. It is released in a table appended to

the Commissioner of Labor Statistics' monthly testimony before the Joint Economic Committee.

The second major alternative proposed to the National Commission is adoption of the X-11-ARIMA method—an extension of the X-11 method developed by Estela Bee Dagum at Statistics Canada. This approach enlarges the unadjusted time series with 1 year of projected values at the ends of the observed series using ARIMA (autoregressive, integrated, moving average) models of the Box-Jenkins type which fit and project the original series well. Enlarging the series with additional data overcomes a weakness of the present X-11 program. The ratio-to-moving average procedure currently employed in the X-11 program is only able to estimate a trend-cycle that follows a straight line for the most recent 6 months of observations, and consequently will not identify turning points in the last 6 months. The X-11-ARIMA method can estimate moving seasonality more adequately and minimize the magnitude of subsequent revisions.

These alternative procedures for adjustment, as well as a number of other options proposed to the National Commission, will be the subject of extensive testing during 1979. A column showing the unemployment rate computed using the X-11-ARIMA method will be included in the table of alternative seasonally adjusted rates which is released monthly with the Commissioner's testimony to the Joint Economic Committee.

Availability of revised series

The revised seasonally adjusted series published in this volume have been selected from a much larger number of series (primarily components and aggregates of the series that appear) which have not been included because of space limitations. Any of the 1,800 seasonally adjusted series may be obtained in printed form from the BLS upon request. Inquiries regarding the printed tabulations should be addressed to the Division of Employment and Unemployment Analysis, Office of Current Employment Analysis, Bureau of Labor Statistics, Washington, D.C. 20212.

These series, plus many more not seasonally adjusted, are also maintained in the BLS computer data base (LABSTAT) from which series may be extracted in machine readable form. The LABSTAT file contains both original and seasonally adjusted monthly and quarterly series—as well as current seasonal factors for directly adjusted series—from the date of inception of a series through December 1978. The file is updated monthly; seasonally adjusted series are also revised annually. Inquiries concerning this file or these adjustment procedures should be addressed to the Data Services Group, Office of Current Employment Analysis, Bureau of Labor Statistics, Washington, D.C. 20212.

⁴ See Thomas J. Plewes, "Revision of Seasonally Adjusted Labor Force Series," *Employment and Earnings*, Feb. 1978, pp. 11-14.

⁵ See Estela Bee Dagum, "A Comparison and Assessment of Seasonal Adjustment Methods for Employment and Unemployment Statistics" (National Commission on Employment and Unemployment Statistics, Background Paper No. 5, February 1978).

Table 2. Current seasonal adjustment factors for labor force components

Procedure and series	Jan.	Feb.	Mar.	Apr.	May	June
Multiplicative Adjustment¹						
Agriculture employment:						
Males, 20 years and over	90.9	91.1	92.4	98.5	103.0	108.8
Females, 20 years and over	77.0	72.7	78.0	92.0	110.0	125.2
Males, 16-19 years	63.7	64.0	75.0	93.4	102.8	144.4
Females, 16-19 years	67.0	55.0	59.7	72.7	91.0	165.0
Nonagricultural employment:						
Males, 20 years and over	98.6	98.4	98.8	99.5	99.9	100.7
Females, 20 years and over	99.9	100.3	100.8	100.8	100.1	98.7
Unemployment:						
Males, 20 years and over	118.5	122.4	115.5	99.9	91.7	95.8
Females, 20 years and over	106.6	107.1	99.8	92.7	88.9	98.7
Additive Adjustment²						
Nonagricultural employment:						
Males, 16-19 years	-376	-392	-360	-219	-99	492
Females, 16-19 years	-286	-281	-252	-203	-110	260
Unemployment:						
Males, 16-19 years	15	36	-3	-97	-147	273
Females, 16-19 years	-16	-70	-38	-118	-106	306
	July	Aug.	Sept.	Oct.	Nov.	Dec.
Multiplicative Adjustment¹						
Agriculture employment:						
Males, 20 years and over	108.5	107.1	104.3	104.2	97.5	93.6
Females, 20 years and over	128.0	119.4	105.9	117.6	93.5	81.0
Males, 16-19 years	156.1	149.7	102.0	96.0	82.7	70.3
Females, 16-19 years	207.0	175.8	97.1	88.4	66.9	54.2
Nonagricultural employment:						
Males, 20 years and over	100.9	101.0	100.7	100.7	100.4	100.1
Females, 20 years and over	97.3	97.5	100.0	101.5	101.4	101.6
Unemployment:						
Males, 20 years and over	94.9	92.4	86.3	88.5	93.2	101.2
Females, 20 years and over	100.9	106.4	108.1	99.8	98.8	92.4
Additive Adjustment²						
Nonagricultural employment:						
Males, 16-19 years	946	771	-234	-136	-202	-190
Females, 16-19 years	668	483	-199	-75	-46	31
Unemployment:						
Males, 16-19 years	190	-21	-80	-85	-32	-46
Females, 16-19 years	161	35	30	-42	-45	-97

¹ Multiplicative procedure: To derive seasonally adjusted level, divide original value by factor and multiply by 100.

² Additive procedure: To derive seasonally adjusted level, subtract factor from original value.

CHARTS

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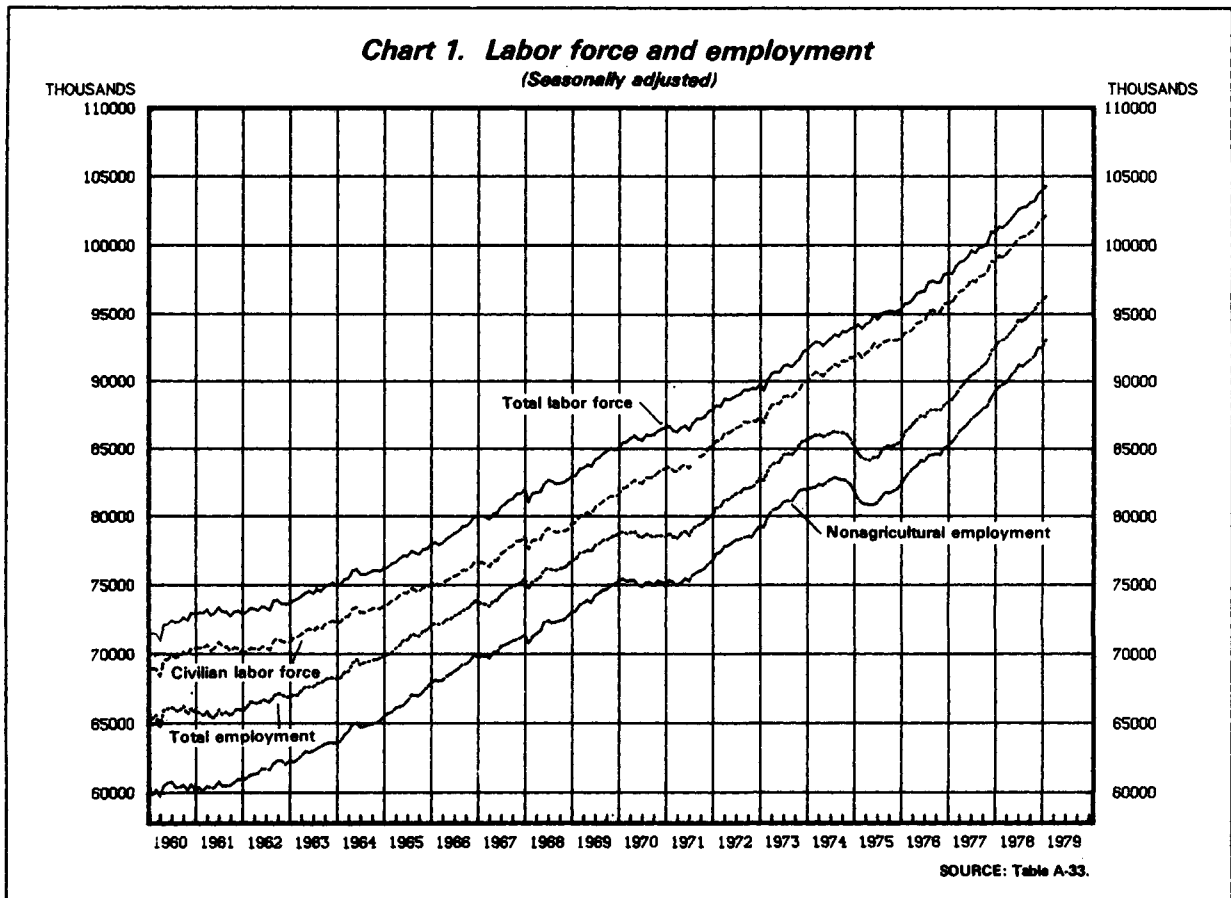
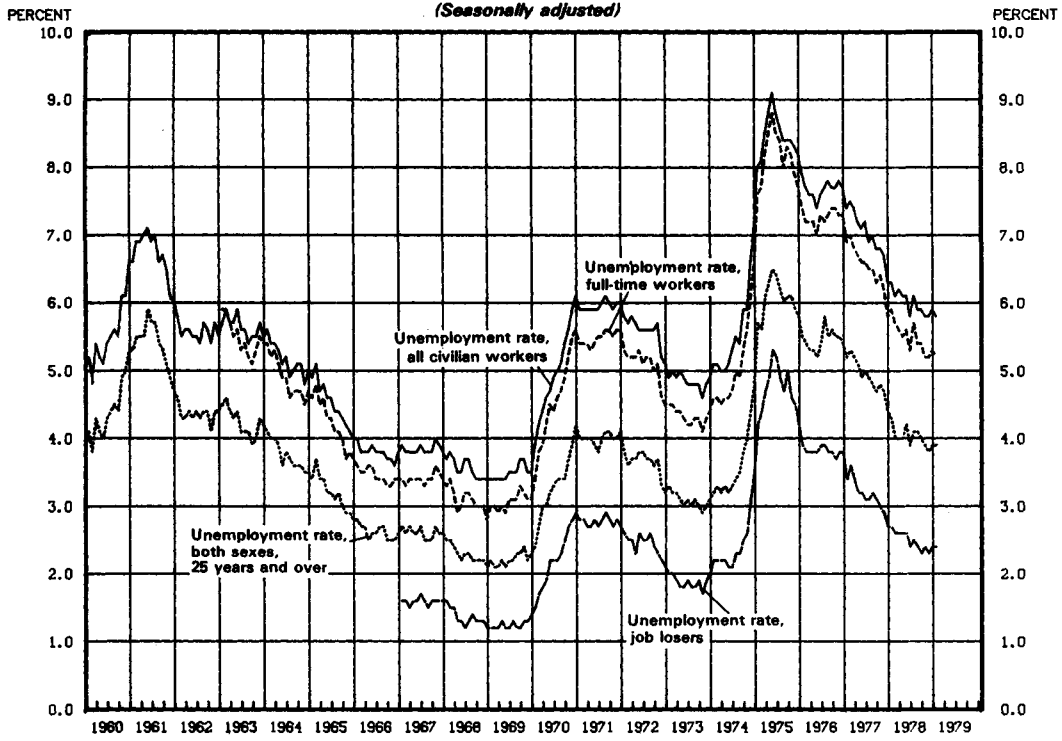
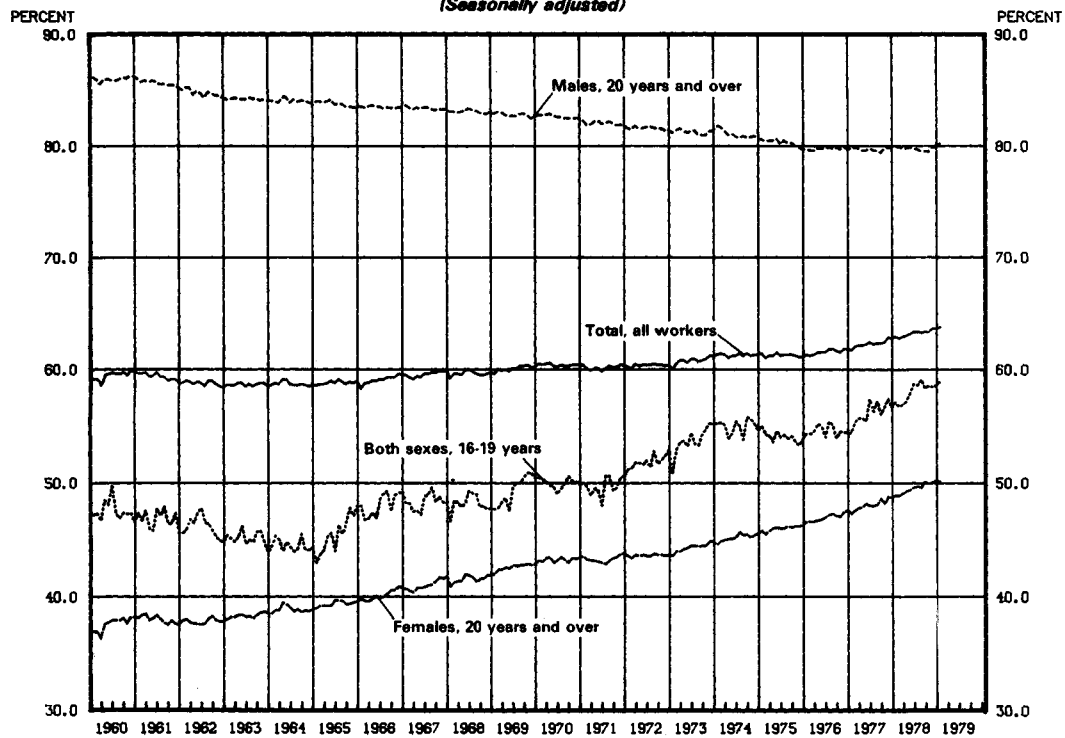


Chart 2. Major unemployment indicators
(Seasonally adjusted)



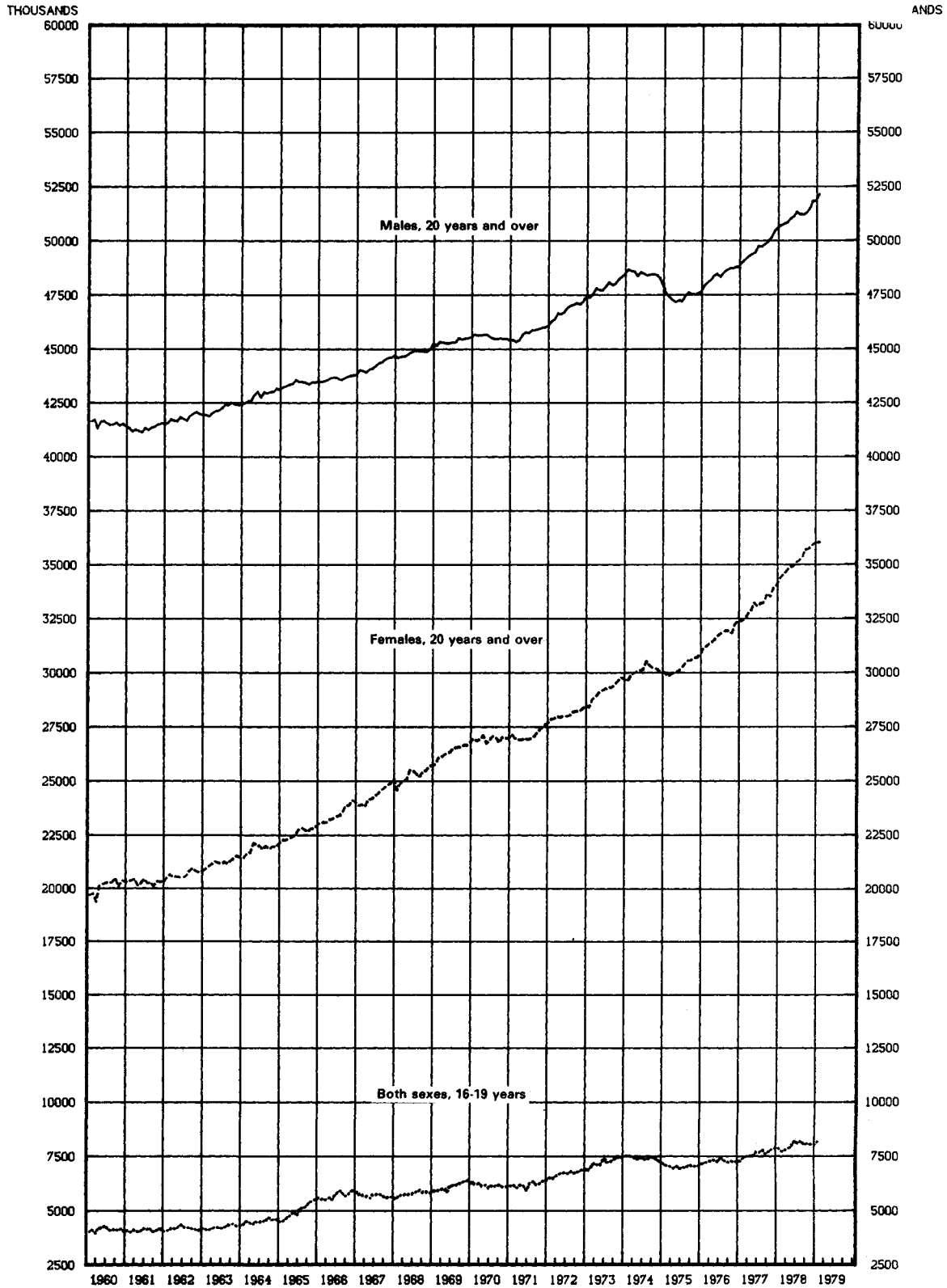
SOURCE: Tables A-36, A-38, and A-39.

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



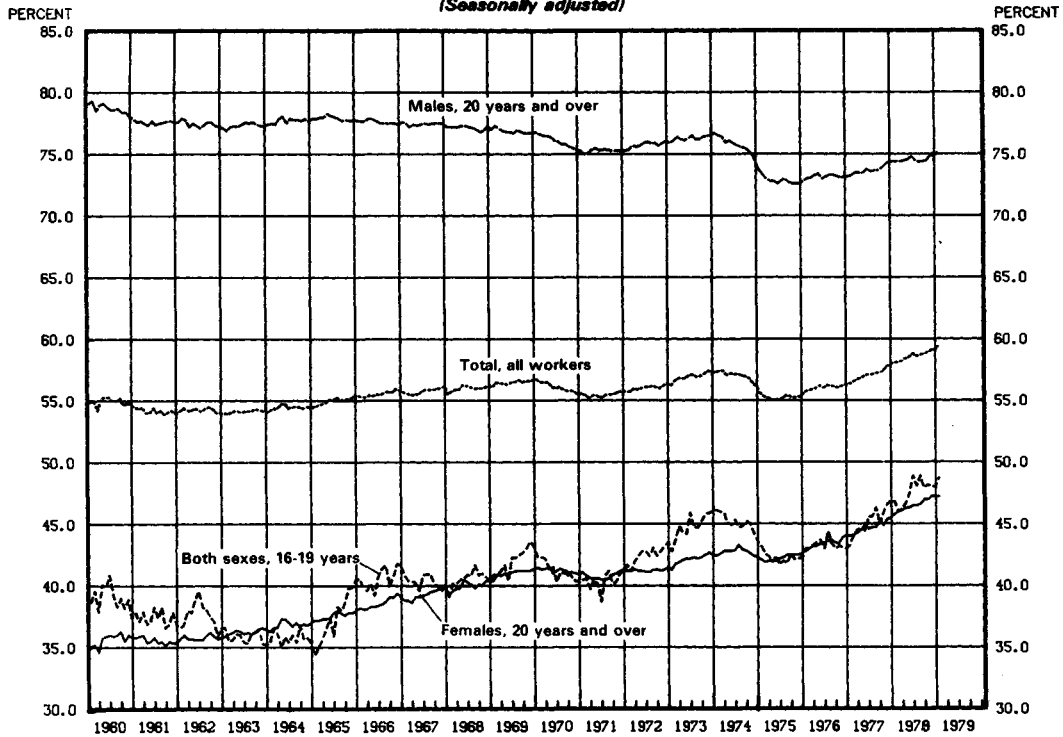
SOURCE: Table A-33.

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



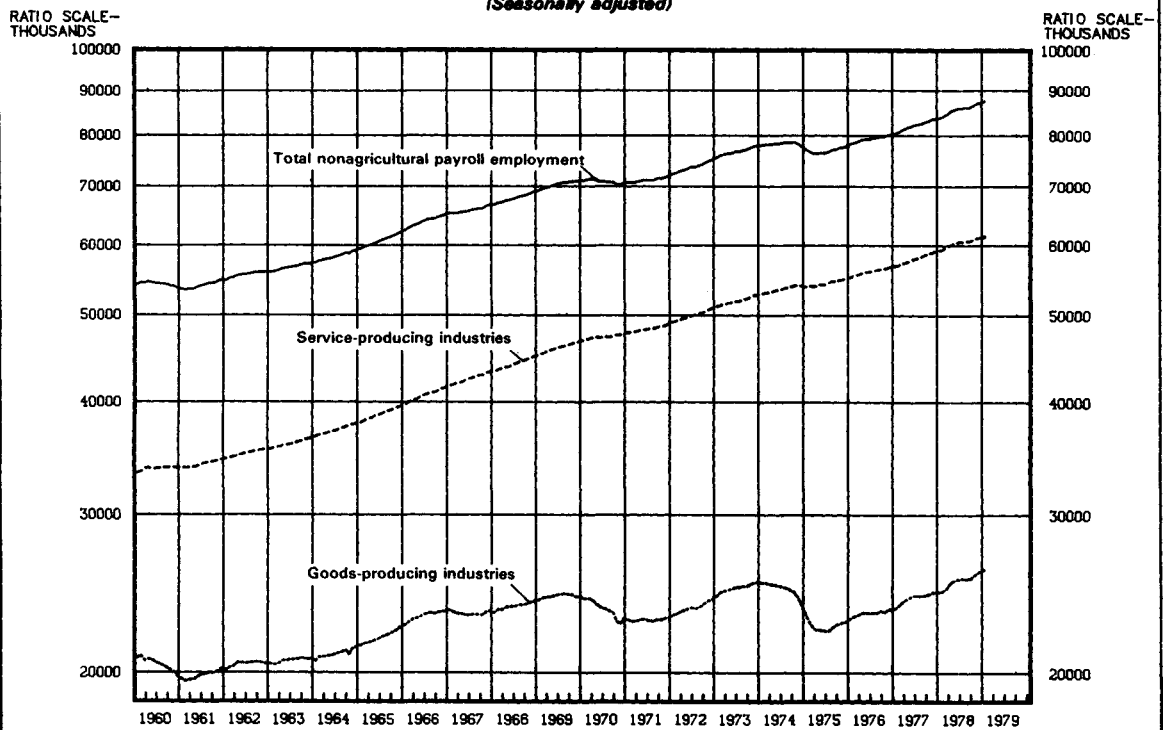
SOURCE: Table A-33.

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



SOURCE: Table A-33.

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

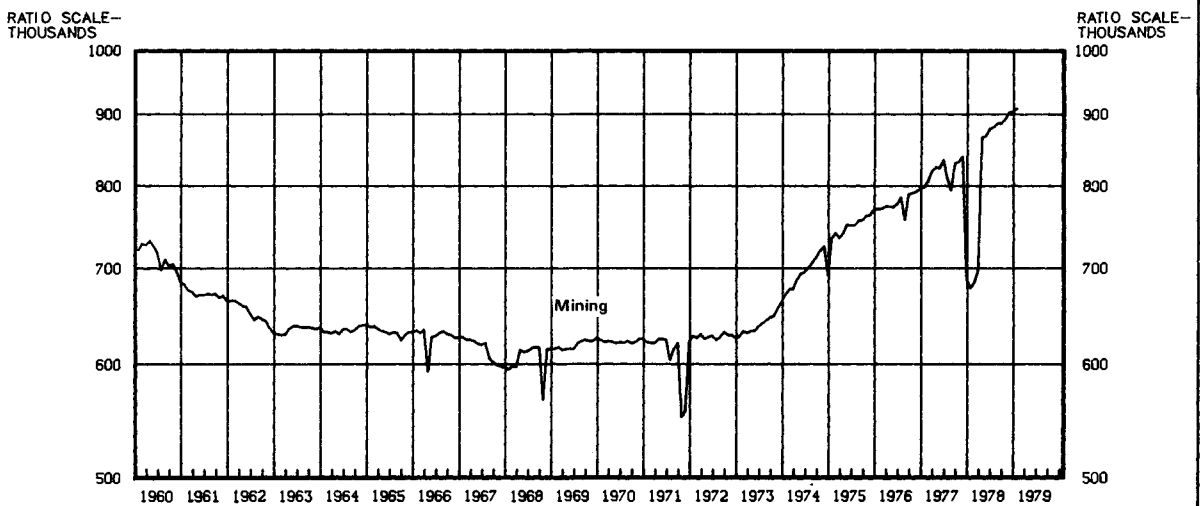
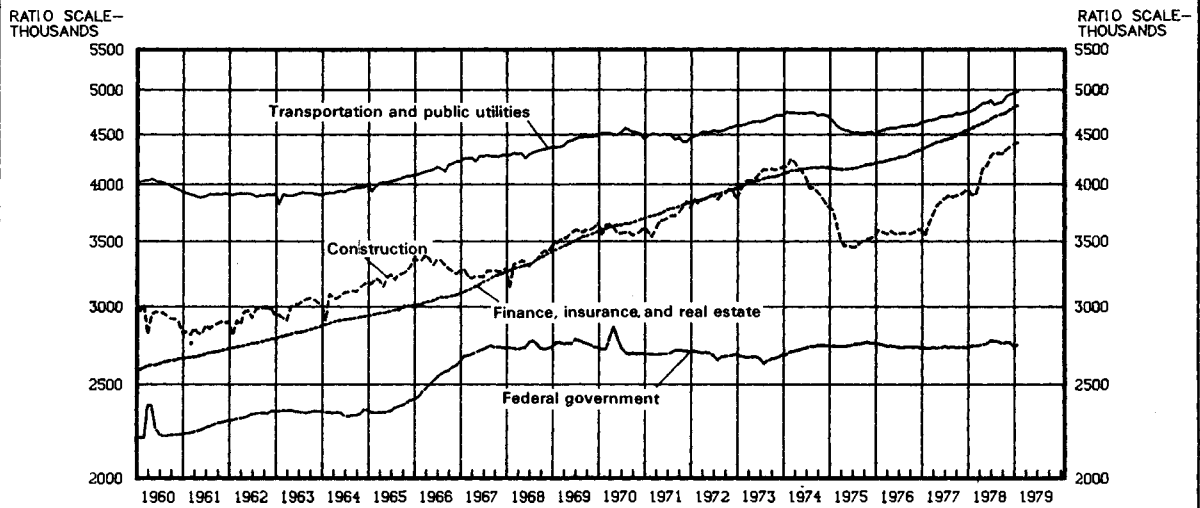
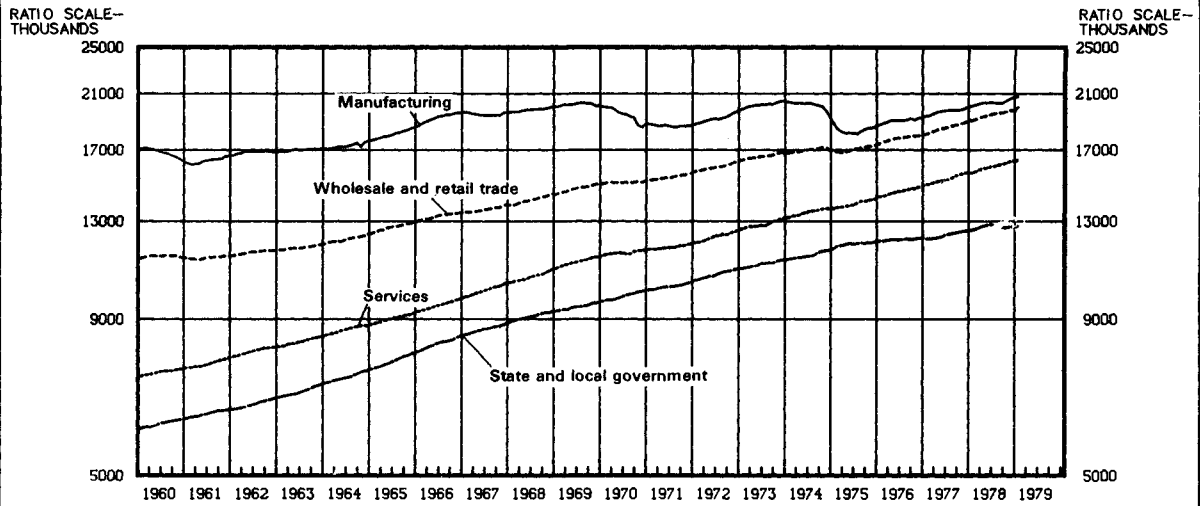


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 7. Nonagricultural payroll employment by industry

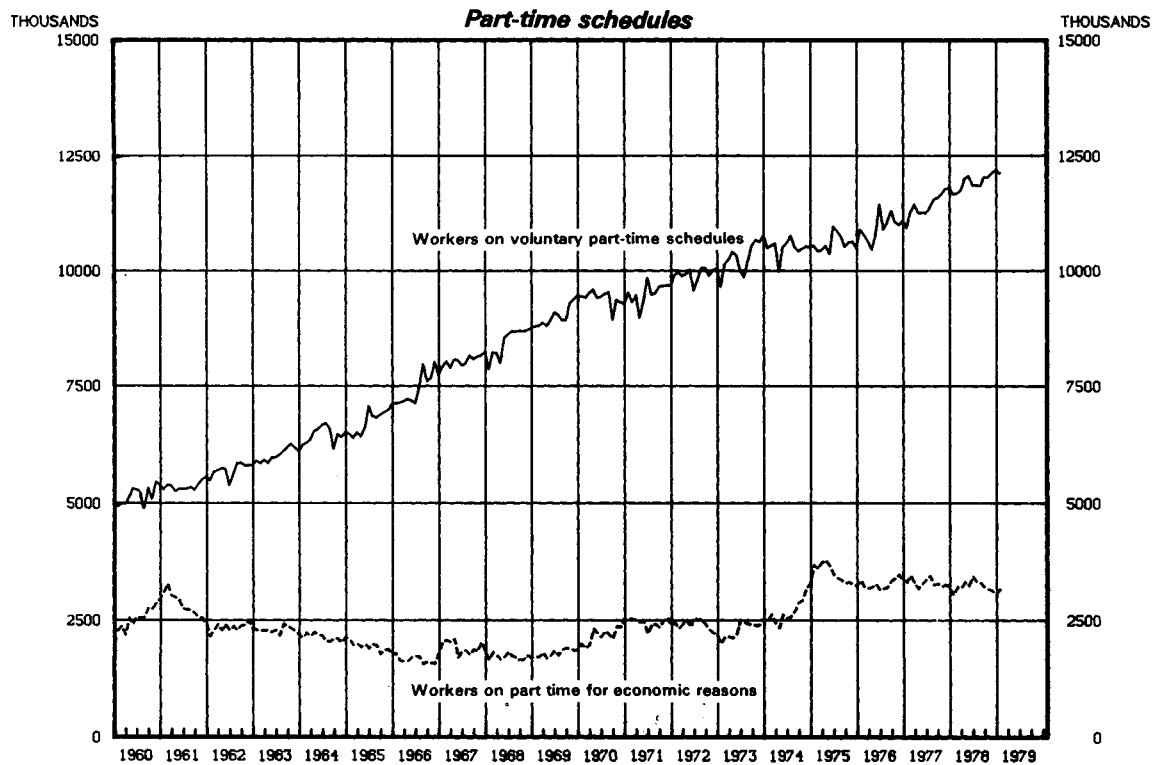
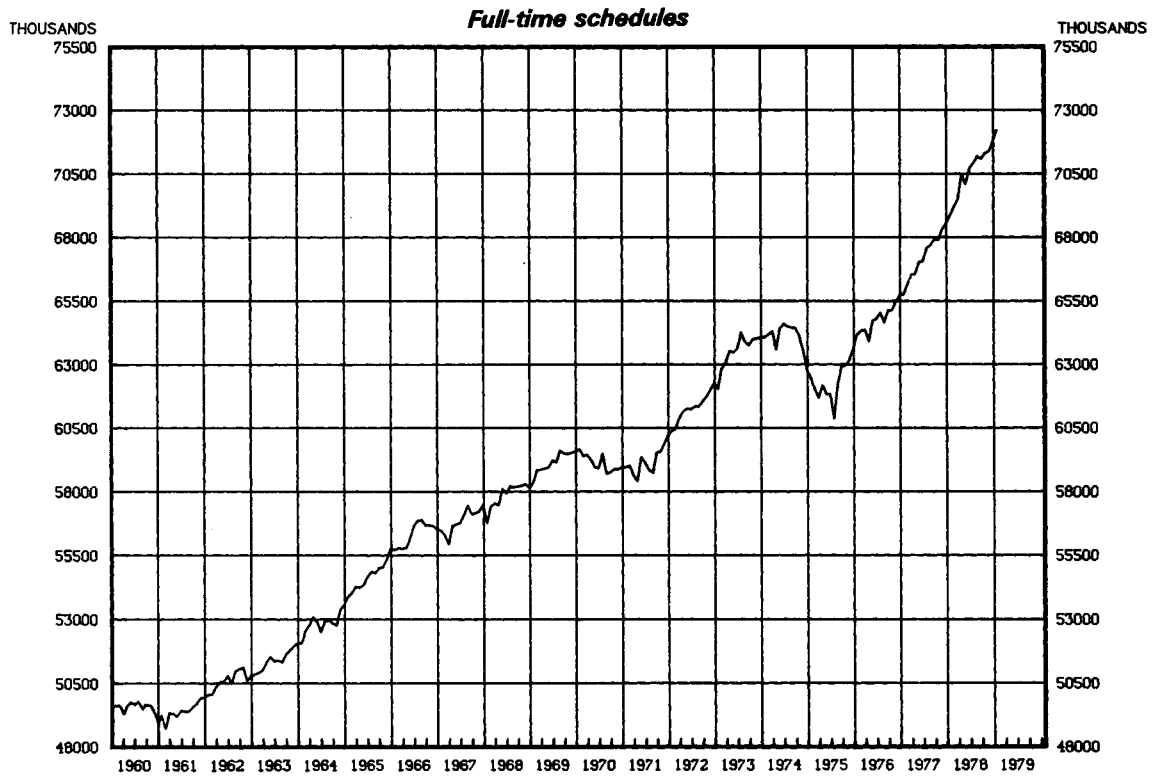
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

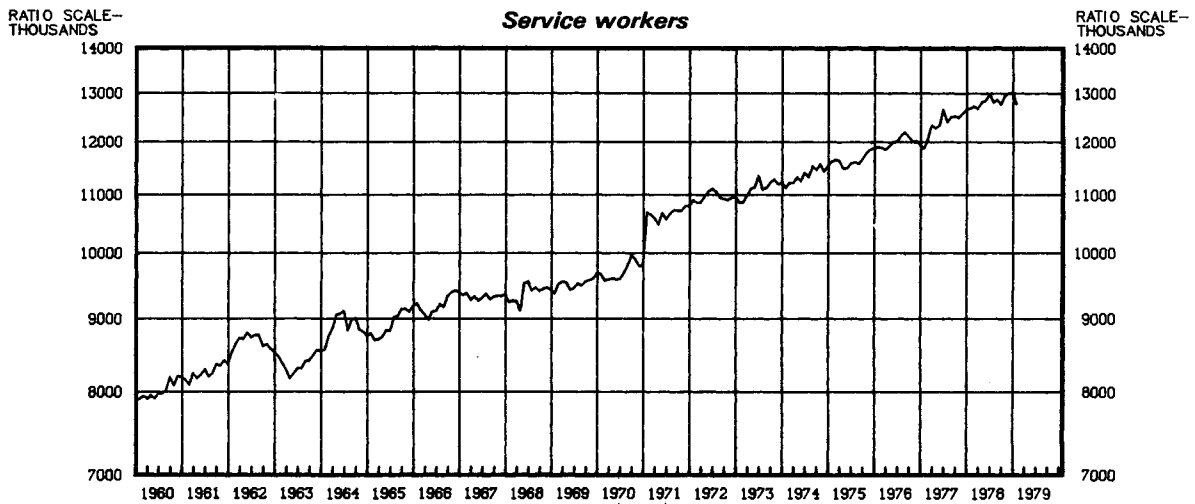
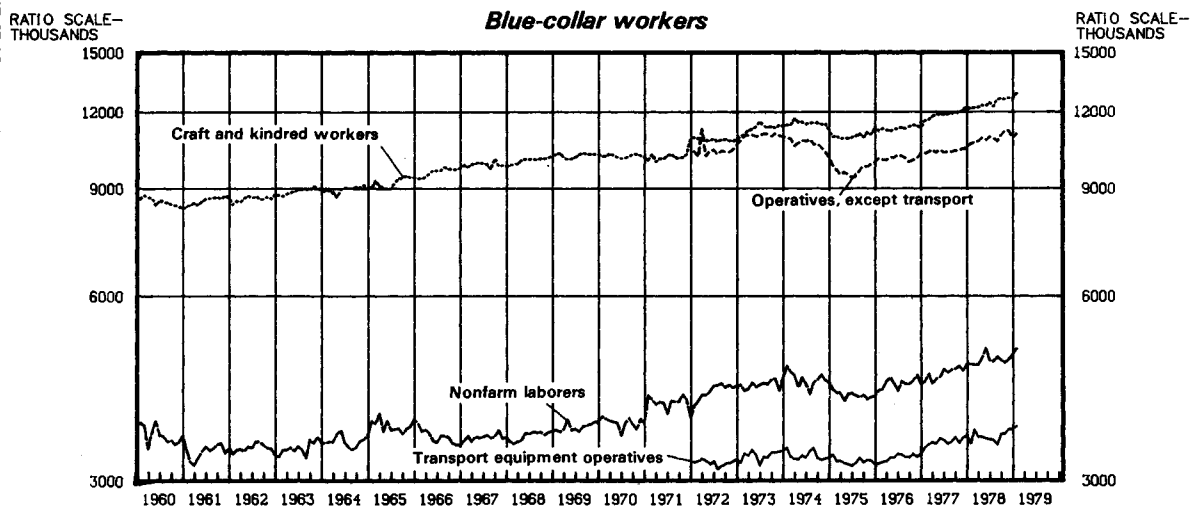
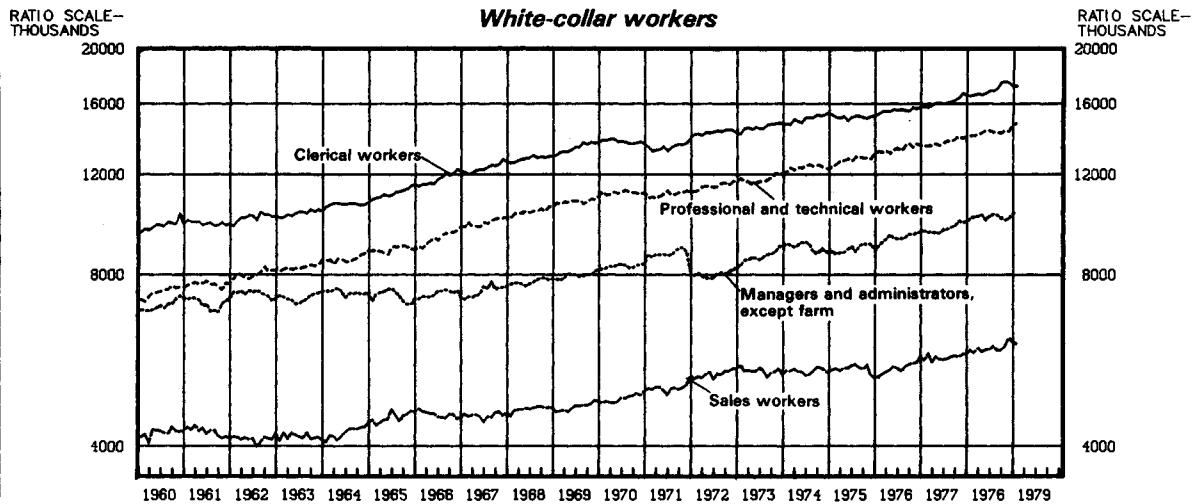
Chart 8. Persons at work full and part time in nonagricultural industries
(Seasonally adjusted)



SOURCE: Table A-42.

Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)



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

SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age

(Seasonally adjusted)

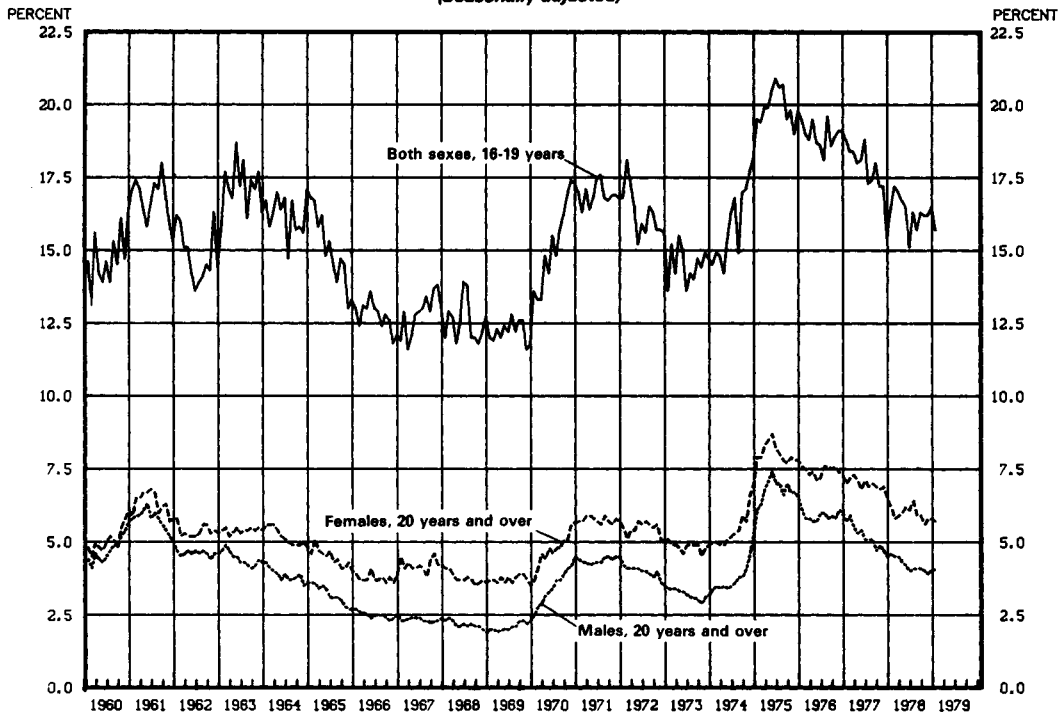
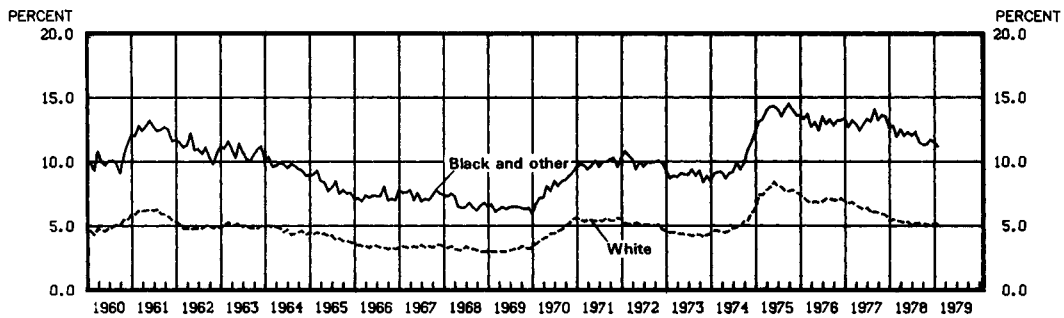
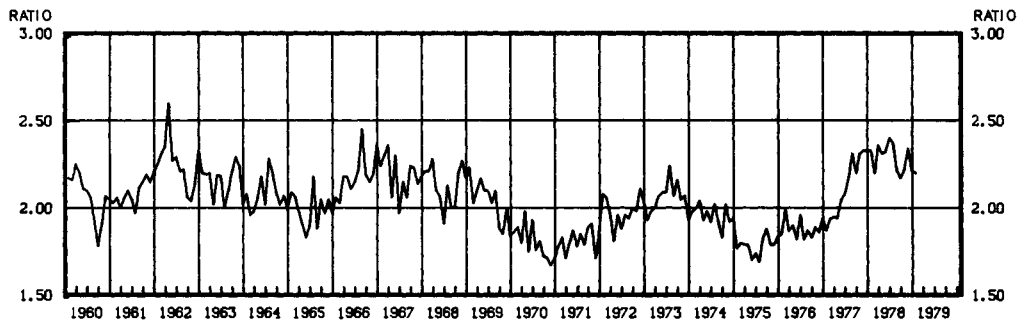


Chart 11. Unemployment rates by race

(Seasonally adjusted)

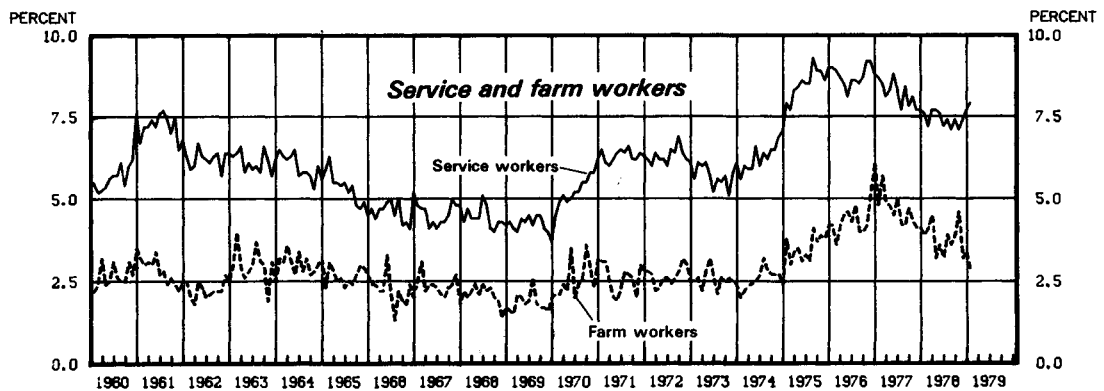
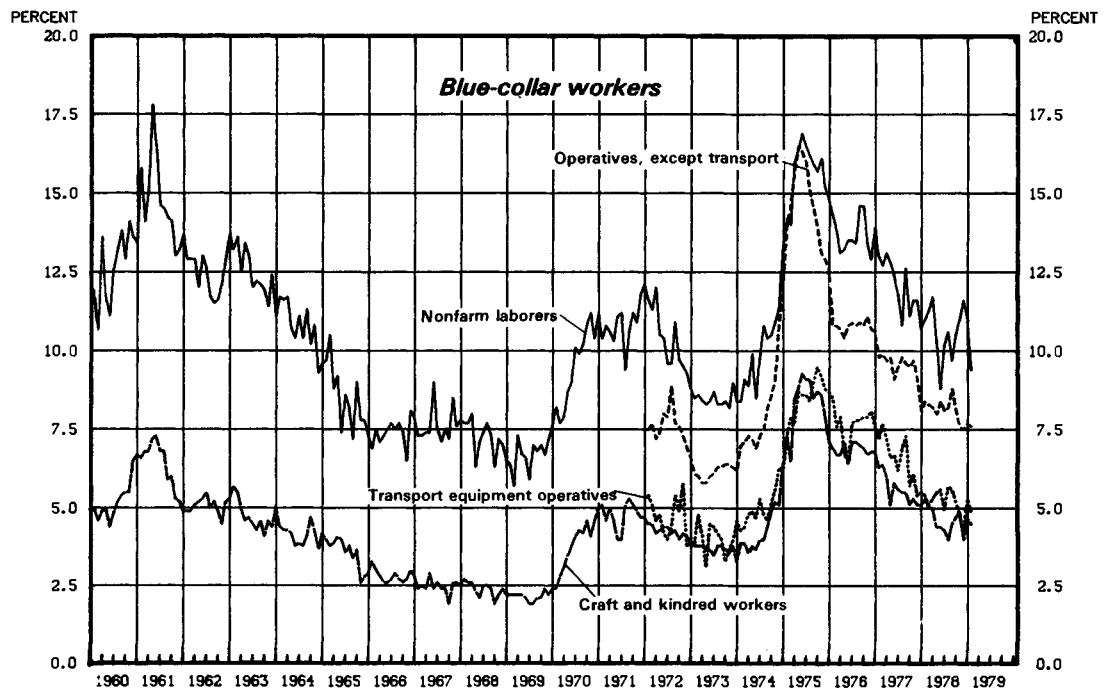
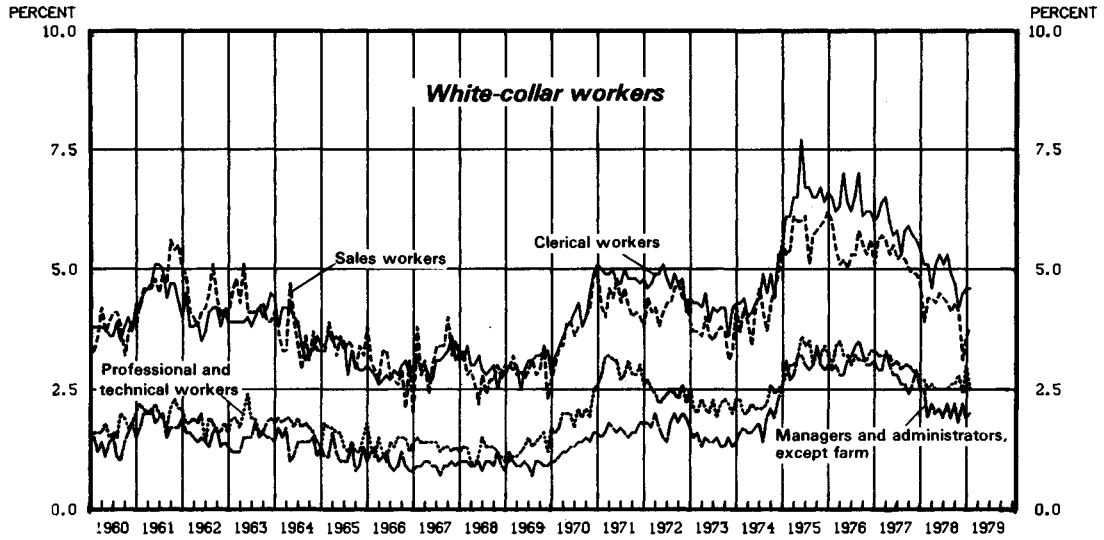


Ratio of black to white unemployment rate



SOURCE: Table A-36.

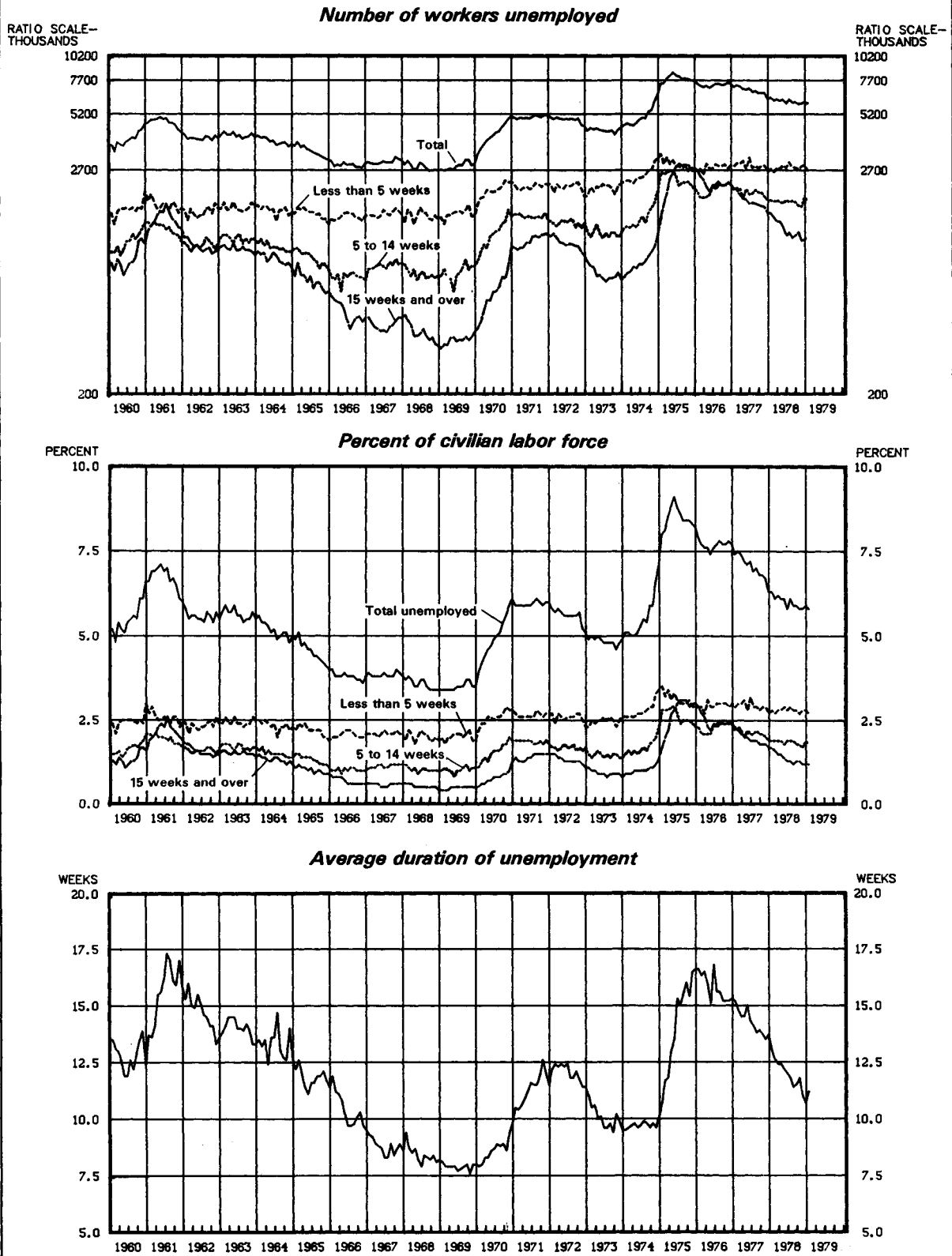
Chart 12. Unemployment rates by major occupational groups
(Seasonally adjusted)



SOURCE: Table A-36.

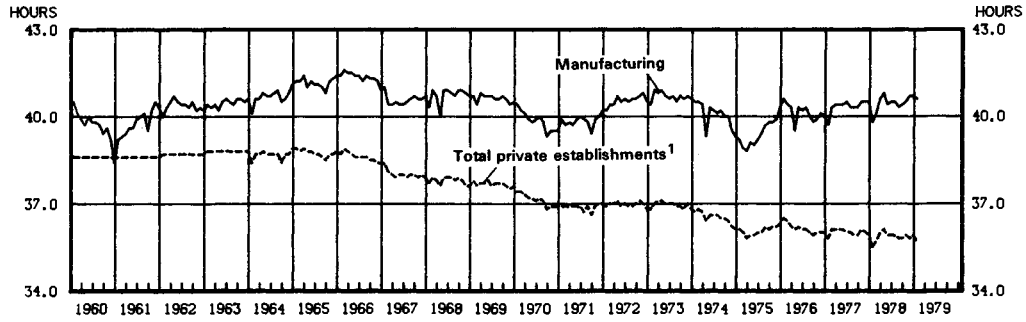
Chart 13. Duration of unemployment

(Seasonally adjusted)

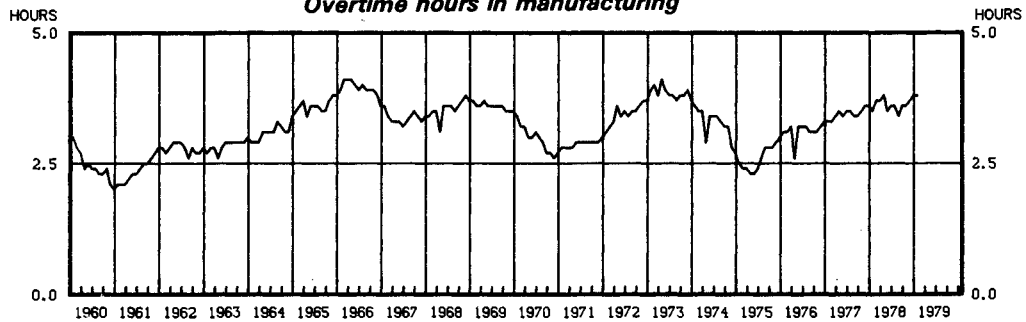


SOURCE: Table A-37.

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



Overtime hours in manufacturing

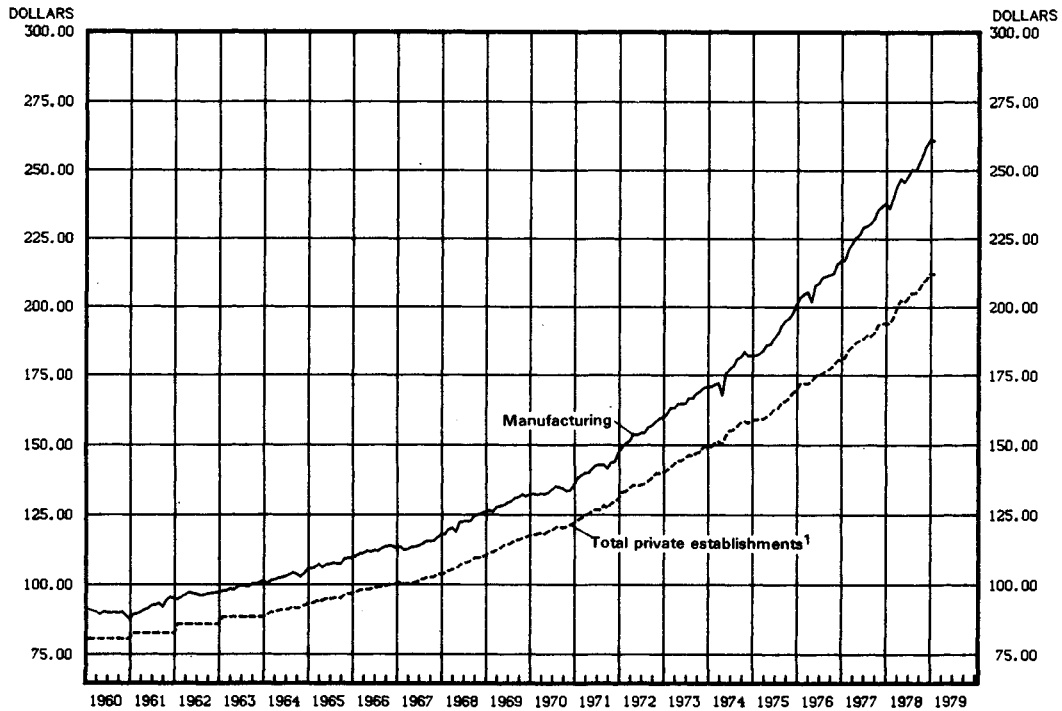


¹Annual averages prior to 1964.

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)

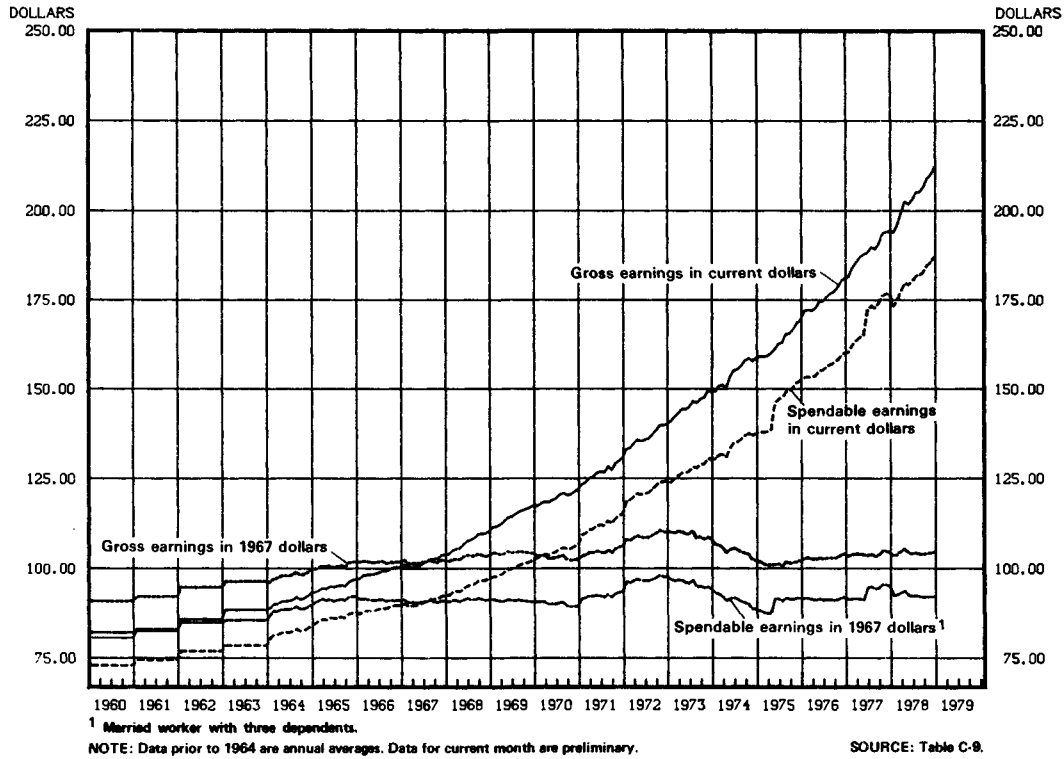
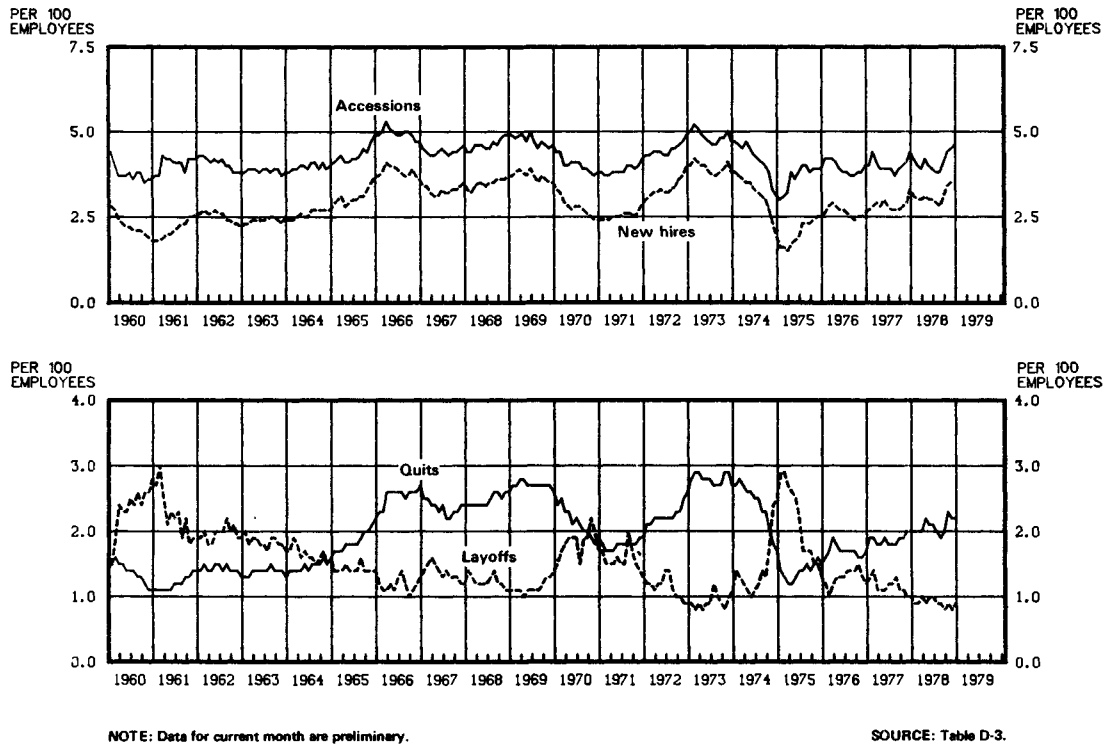


Chart 17. Labor turnover rates in manufacturing
(Seasonally adjusted)



**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.....	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	84,110	79,120	3,387	75,732	4,993	5.9	55,666
1972.....	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973.....	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978.....	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
Monthly data, seasonally adjusted²										
1978:										
January..	159,937	101,336	63.4	99,215	92,923	3,363	89,560	6,292	6.3	58,601
February..	160,128	101,263	63.2	99,139	93,047	3,280	89,767	6,092	6.1	58,865
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	58,286
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

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	
MALES										
Annual averages										
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972.....	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973.....	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,964	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978.....	77,169	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
Monthly data, seasonally adjusted²										
1978:										
January..	76,636	60,251	78.6	58,248	54,992	2,734	52,258	3,254	5.6	16,385
February..	76,725	60,171	78.4	58,164	54,943	2,604	52,339	3,221	5.5	16,555
March....	76,811	60,278	78.5	58,277	55,042	2,641	52,401	3,234	5.6	16,533
April.....	76,901	60,277	78.4	58,280	55,184	2,598	52,586	3,099	5.3	16,624
May.....	77,000	60,396	78.4	58,404	55,372	2,636	52,736	3,035	5.2	16,604
June.....	77,102	60,555	78.5	58,582	55,766	2,745	53,021	2,811	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	2,933	5.0	16,792
September	77,407	60,552	78.2	58,559	55,594	2,739	52,855	2,966	5.1	16,855
October..	77,546	60,717	78.3	58,725	55,754	2,707	53,047	2,977	5.1	16,829
November..	77,643	61,006	78.6	59,019	56,096	2,614	53,482	2,922	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	53,854	3,021	5.1	16,401
Annual averages										
FEMALES										
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,46	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,39	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,42	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,85	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,21	6.9	41,952
1972.....	75,911	33,320	43.9	33,277	31,072	633	30,439	2,20	6.6	42,591
1973.....	77,242	34,561	44.7	34,510	32,446	619	31,827	2,06	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,40	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,44	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,32	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,26	8.2	42,510
1978.....	83,890	42,002	50.1	41,878	38,882	661	38,221	2,99	7.2	41,887
Monthly data, seasonally adjusted²										
1978:										
January..	83,301	41,084	49.3	40,967	37,931	629	37,302	3,03	7.4	42,217
February..	83,403	41,092	49.3	40,975	38,104	676	37,428	2,87	7.0	42,311
March....	83,501	41,280	49.4	41,158	38,240	693	37,547	2,91	7.1	42,222
April.....	83,603	41,608	49.8	41,487	38,520	676	37,844	2,96	7.2	41,995
May.....	83,714	41,826	50.0	41,705	38,581	607	37,974	3,12	7.5	41,888
June.....	83,826	42,047	50.2	41,922	38,874	679	38,195	3,04	7.3	41,779
July.....	83,941	42,246	50.3	42,120	38,915	659	38,256	3,20	7.6	41,695
August....	84,047	42,276	50.3	42,146	39,143	656	38,487	3,00	7.1	41,772
September	84,162	42,545	50.6	42,415	39,416	667	38,749	2,99	7.1	41,618
October..	84,283	42,482	50.4	42,352	39,487	667	38,820	2,86	6.8	41,801
November..	84,390	42,738	50.6	42,609	39,655	661	38,994	2,95	6.9	41,652
December..	84,504	42,886	50.7	42,751	39,783	685	39,098	2,96	6.9	41,624
1979:										
January..	84,608	42,840	50.6	42,708	39,851	636	39,214	2,85	6.7	41,769

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	January 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	60,467	77.7	58,505	55,057	3,447	5.9	17,372	440	4,298	1,734	10,900
16 to 21 years	8,438	66.2	7,764	6,555	1,210	15.6	4,306	18	3,613	33	642
16 to 19 years	4,974	58.8	4,671	3,831	841	18.0	3,480	17	3,073	17	374
16 to 17 years	1,931	46.0	1,912	1,509	403	21.1	2,270	4	1,108	9	149
18 to 19 years	3,042	71.5	2,759	2,321	438	15.9	1,210	12	965	8	225
20 to 64 years	53,603	89.5	51,943	49,409	2,535	4.9	6,266	167	1,219	1,233	3,648
20 to 24 years	8,756	85.8	8,019	7,210	809	10.1	1,444	8	907	50	478
25 to 54 years	37,687	98.3	36,765	35,256	1,509	4.1	2,258	82	308	646	1,222
25 to 29 years	8,433	94.1	8,069	7,575	494	6.1	528	18	205	55	251
30 to 34 years	7,663	96.4	7,421	7,128	293	3.9	289	5	55	66	164
35 to 39 years	6,223	96.4	6,032	5,823	209	3.5	230	8	16	77	128
40 to 44 years	5,216	94.8	5,129	4,951	178	3.5	289	4	16	93	175
45 to 49 years	5,095	93.5	5,065	4,920	145	2.9	353	24	8	123	199
50 to 54 years	5,056	89.9	5,049	4,858	191	3.8	568	22	8	232	306
55 to 64 years	7,160	73.6	7,158	6,942	216	3.0	2,565	78	3	536	1,947
55 to 59 years	4,403	82.5	4,402	4,274	128	2.9	931	28	--	299	604
60 to 64 years	2,757	62.8	2,757	2,668	88	3.2	1,634	50	3	237	1,343
65 years and over	1,890	19.9	1,890	1,818	72	3.8	7,626	256	7	484	6,879
65 to 69 years	1,098	29.2	1,098	1,052	46	4.2	2,669	70	1	172	2,426
70 years and over	792	13.8	792	766	26	3.3	4,957	186	6	312	4,453
White											
16 years and over	53,841	78.5	52,277	49,518	2,758	5.3	14,753	358	3,398	1,390	9,607
16 to 21 years	7,428	68.5	6,905	5,949	955	13.8	3,411	16	2,867	25	503
16 to 19 years	4,440	62.0	4,206	3,530	676	16.1	2,726	15	2,407	11	292
16 to 17 years	1,767	49.9	1,751	1,396	355	20.3	1,777	4	1,638	6	126
18 to 19 years	2,673	73.8	2,455	2,133	321	13.1	949	10	769	5	164
20 to 64 years	47,696	90.2	46,366	44,343	2,024	4.4	5,162	130	984	984	3,065
20 to 24 years	7,624	86.8	7,052	6,417	636	9.0	1,156	6	745	40	365
25 to 54 years	33,536	95.0	32,778	31,581	1,197	3.7	1,747	63	236	498	949
25 to 29 years	14,237	95.8	13,747	13,129	618	4.5	624	15	198	91	320
30 to 34 years	10,200	96.4	9,966	9,658	308	3.1	383	12	26	122	223
35 to 44 years	9,099	92.5	9,066	8,795	271	3.0	740	36	12	286	407
55 to 64 years	6,536	74.3	6,535	6,344	191	2.9	2,259	60	3	446	1,750
55 to 59 years	4,009	83.4	4,008	3,895	113	2.8	799	22	--	251	527
60 to 64 years	2,527	63.4	2,527	2,449	78	3.1	1,460	38	3	195	1,224
65 years and over	1,705	19.9	1,705	1,646	58	3.4	6,866	214	7	394	6,250
Black and other											
16 years and over	6,626	71.7	6,228	5,539	689	11.1	2,619	81	900	344	1,293
16 to 21 years	1,010	53.0	860	605	255	29.6	895	2	747	8	138
16 to 19 years	533	41.4	465	301	164	35.3	754	2	665	6	81
16 to 17 years	164	25.0	161	113	48	29.7	493	--	470	3	21
18 to 19 years	369	58.6	304	188	116	38.3	261	2	196	3	61
20 to 64 years	5,907	84.3	5,577	5,066	511	9.2	1,104	38	234	248	583
20 to 24 years	1,132	79.7	967	794	173	17.9	288	1	162	11	113
25 to 54 years	4,151	89.1	3,987	3,675	312	7.8	510	19	72	147	273
25 to 29 years	1,859	90.6	1,743	1,574	169	9.7	194	8	62	30	94
30 to 34 years	1,240	90.1	1,195	1,117	78	6.6	135	--	6	48	81
35 to 44 years	1,052	85.3	1,048	984	65	6.2	181	10	4	69	98
55 to 64 years	624	67.1	624	598	26	4.1	306	18	--	91	197
55 to 59 years	394	74.9	394	379	15	3.8	132	6	--	48	77
60 to 64 years	230	56.9	230	219	10	4.5	174	12	--	43	119
65 years and over	186	19.6	186	172	14	7.5	760	41	--	90	629

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	January 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	42,494	50.2	42,362	39,378	2,984	7.0	42,115	32,959	4,142	1,079	3,935
16 to 21 years	7,016	56.2	6,963	5,959	1,004	14.4	5,468	1,376	3,561	20	513
16 to 19 years	4,227	51.1	4,204	3,529	675	16.0	4,045	633	3,098	15	299
18 to 17 years	1,688	41.5	1,687	1,391	295	17.5	2,380	152	2,118	4	106
18 to 19 years	2,539	60.4	2,517	2,138	379	15.1	1,664	480	980	11	193
20 to 64 years	37,126	59.2	37,017	34,753	2,265	6.1	25,637	22,362	1,038	491	1,746
20 to 24 years	6,889	67.6	6,822	6,171	651	9.5	3,296	2,188	717	25	365
25 to 54 years	25,664	61.5	25,622	24,160	1,462	5.7	16,051	14,686	317	249	799
25 to 29 years	5,931	65.0	5,902	5,436	466	7.9	3,198	2,868	135	22	172
30 to 34 years	4,993	61.2	4,986	4,674	312	6.2	3,166	2,937	95	20	114
35 to 39 years	4,235	62.4	4,233	3,978	254	6.0	2,551	2,364	42	43	102
40 to 44 years	3,590	61.6	3,589	3,423	166	4.6	2,237	2,066	32	38	101
45 to 49 years	3,459	60.1	3,458	3,317	141	4.1	2,293	2,122	6	35	130
50 to 54 years	3,455	57.0	3,455	3,333	122	3.5	2,606	2,329	7	90	180
55 to 64 years	4,573	42.1	4,573	4,421	152	3.3	6,291	5,488	4	217	582
55 to 59 years	2,854	48.7	2,854	2,758	96	3.4	3,005	2,675	2	95	233
60 to 64 years	1,719	34.4	1,719	1,664	56	3.2	3,285	2,814	2	121	349
65 years and over	1,141	8.4	1,141	1,096	44	3.9	12,433	9,964	6	573	1,890
65 to 69 years	728	15.4	728	696	33	4.5	3,991	3,417	5	95	475
70 years and over	412	4.7	412	400	12	2.8	8,442	6,547	1	479	1,415
White											
16 years and over	36,815	49.9	36,712	34,432	2,280	6.2	36,942	29,553	3,264	818	3,307
16 to 21 years	6,182	58.7	6,140	5,367	773	12.6	4,345	1,113	2,832	14	386
16 to 19 years	3,770	54.2	3,752	3,217	535	14.3	3,190	503	2,452	10	225
18 to 17 years	1,509	44.2	1,508	1,264	244	16.2	1,904	125	1,696	4	79
18 to 19 years	2,261	63.7	2,244	1,953	291	13.0	1,286	378	755	6	146
20 to 64 years	32,039	58.8	31,953	30,249	1,704	5.3	22,452	19,851	808	371	1,423
20 to 24 years	5,961	69.1	5,908	5,439	470	7.9	2,664	1,807	568	21	268
25 to 54 years	21,976	60.9	21,943	20,836	1,106	5.0	14,125	13,049	236	187	653
25 to 29 years	9,255	62.4	9,226	8,661	565	6.1	5,570	5,150	171	34	214
30 to 34 years	6,671	61.2	6,668	6,336	332	5.0	4,236	3,943	55	64	174
35 to 44 years	6,050	58.3	6,049	5,840	209	3.5	4,319	3,956	9	89	265
55 to 64 years	4,103	42.0	4,103	3,974	128	3.1	5,663	4,995	4	162	502
55 to 59 years	2,561	48.8	2,561	2,483	79	3.1	2,686	2,426	2	70	188
60 to 64 years	1,541	34.1	1,541	1,492	49	3.2	2,977	2,570	2	92	313
65 years and over	1,006	8.2	1,006	966	40	4.0	11,300	9,199	4	437	1,659
Black and other											
16 years and over	5,679	52.3	5,651	4,947	704	12.5	5,173	3,405	878	261	628
16 to 21 years	834	42.6	824	592	231	28.1	1,124	263	728	6	127
16 to 19 years	457	34.8	452	313	139	30.9	855	130	646	5	74
18 to 17 years	179	27.3	179	127	52	28.8	477	27	422	--	27
18 to 19 years	278	42.3	273	185	88	32.2	379	102	225	5	46
20 to 64 years	5,087	61.5	5,063	4,503	560	11.1	3,185	2,511	230	120	323
20 to 24 years	928	59.5	914	733	181	19.8	632	381	149	4	98
25 to 54 years	3,688	65.7	3,679	3,324	356	9.7	1,926	1,637	81	62	146
25 to 29 years	1,670	67.8	1,661	1,449	213	12.8	793	655	59	8	72
30 to 34 years	1,154	67.7	1,154	1,066	88	7.6	552	487	18	18	29
35 to 44 years	864	59.8	864	810	55	6.3	580	495	4	35	46
55 to 64 years	471	42.9	471	447	24	5.1	627	493	--	55	80
55 to 59 years	293	47.8	293	275	17	6.0	319	249	--	25	45
60 to 64 years	178	36.6	178	172	6	3.6	308	244	--	30	35
65 years and over	135	10.6	135	131	4	3.1	1,133	765	2	136	231

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
MALES								
16 years and over	59,337	60,467	77.4	77.7	57,334	58,505	76.8	77.1
16 to 19 years	4,915	4,974	57.9	58.8	4,593	4,671	56.2	57.3
16 to 17 years	1,905	1,931	44.9	46.0	1,872	1,912	44.5	45.7
18 to 19 years	3,010	3,042	70.9	71.5	2,721	2,759	68.8	69.5
20 to 24 years	8,557	8,756	85.2	85.8	7,813	8,019	84.0	84.7
25 to 54 years	37,034	37,687	94.5	94.3	36,099	36,765	94.3	94.2
25 to 34 years	15,654	16,096	95.2	95.2	15,041	15,490	95.0	95.0
35 to 44 years	11,132	11,439	96.1	95.7	10,849	11,161	96.0	95.6
45 to 54 years	10,248	10,151	91.8	91.7	10,209	10,114	91.7	91.6
55 to 64 years	6,974	7,160	72.7	73.6	6,972	7,158	72.7	73.6
55 to 59 years	4,309	4,403	82.0	82.5	4,307	4,402	82.0	82.5
60 to 64 years	2,665	2,757	61.5	62.8	2,665	2,757	61.5	62.8
65 years and over	1,857	1,890	20.0	19.9	1,857	1,890	20.0	19.9
White								
16 years and over	52,863	53,841	78.1	78.5	51,224	52,277	77.6	78.0
16 to 19 years	4,381	4,440	60.7	62.0	4,119	4,206	59.3	60.7
16 to 17 years	1,741	1,767	48.5	49.9	1,713	1,751	48.1	49.6
18 to 19 years	2,641	2,673	72.9	73.8	2,406	2,455	71.0	72.1
20 to 24 years	7,458	7,624	86.0	86.8	6,866	7,052	85.0	85.9
25 to 54 years	32,992	33,536	95.1	95.0	32,208	32,778	95.0	94.9
25 to 34 years	13,879	14,237	95.8	95.8	13,371	13,747	95.6	95.7
35 to 44 years	9,906	10,200	96.7	96.4	9,667	9,966	96.6	96.3
45 to 54 years	9,206	9,099	92.5	92.5	9,171	9,066	92.5	92.4
55 to 64 years	6,369	6,536	73.3	74.3	6,368	6,535	73.3	74.3
55 to 59 years	3,922	4,009	82.7	83.4	3,921	4,008	82.7	83.4
60 to 64 years	2,447	2,527	62.1	63.4	2,447	2,527	62.1	63.4
65 years and over	1,663	1,705	19.8	19.9	1,663	1,705	19.8	19.9
Black and other								
16 years and over	6,474	6,626	72.1	71.7	6,110	6,228	70.9	70.4
16 to 19 years	534	533	41.9	41.4	474	465	39.0	38.2
16 to 17 years	165	164	25.2	25.0	159	161	24.6	24.6
18 to 19 years	369	369	59.3	58.6	315	304	55.4	53.8
20 to 24 years	1,099	1,132	80.0	79.7	947	967	77.6	77.1
25 to 54 years	4,043	4,151	89.6	89.1	3,891	3,987	89.3	88.7
25 to 34 years	1,775	1,859	90.7	90.6	1,670	1,743	90.2	90.0
35 to 44 years	1,225	1,240	91.5	90.1	1,182	1,195	91.3	89.8
45 to 54 years	1,042	1,052	85.6	85.3	1,038	1,048	85.6	85.3
55 to 64 years	604	624	66.7	67.1	604	624	66.7	67.1
55 to 59 years	386	394	75.6	74.9	386	394	75.6	74.9
60 to 64 years	218	230	55.2	56.9	218	230	55.2	56.9
65 years and over	195	186	21.2	19.6	195	186	21.2	19.6

HOUSEHOLD DATA

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
FEMALES								
16 years and over	40,734	42,494	48.9	50.2	40,616	42,362	48.8	50.1
16 to 19 years	4,011	4,227	48.3	51.1	3,993	4,204	48.2	51.0
16 to 17 years	1,573	1,688	38.3	41.5	1,573	1,687	38.3	41.5
18 to 19 years	2,437	2,539	58.0	60.4	2,420	2,517	57.9	60.2
20 to 24 years	6,708	6,889	66.9	67.6	6,644	6,822	66.7	67.4
25 to 54 years	24,423	25,664	59.6	61.5	24,388	25,622	59.6	61.5
25 to 34 years	10,154	10,925	60.3	63.2	10,123	10,887	60.3	63.1
35 to 44 years	7,498	7,825	61.4	62.0	7,495	7,821	61.4	62.0
45 to 54 years	6,771	6,914	56.7	58.5	6,770	6,913	56.7	58.5
55 to 64 years	4,463	4,573	41.6	42.1	4,463	4,573	41.6	42.1
55 to 59 years	2,832	2,854	49.0	48.7	2,832	2,854	49.0	48.7
60 to 64 years	1,631	1,719	33.0	34.4	1,631	1,719	33.0	34.4
65 years and over	1,128	1,141	8.5	8.4	1,128	1,141	8.5	8.4
White								
16 years and over	35,276	36,815	48.5	49.9	35,181	36,712	48.4	49.8
16 to 19 years	3,599	3,770	51.3	54.2	3,583	3,752	51.2	54.1
16 to 17 years	1,442	1,509	41.7	44.2	1,441	1,508	41.7	44.2
18 to 19 years	2,156	2,261	60.7	63.7	2,142	2,244	60.5	63.6
20 to 24 years	5,787	5,961	67.9	69.1	5,736	5,908	67.7	68.9
25 to 54 years	20,883	21,976	58.7	60.9	20,855	21,943	58.7	60.8
25 to 34 years	8,600	9,255	59.4	62.4	8,576	9,226	59.3	62.4
35 to 44 years	6,382	6,671	60.4	61.2	6,379	6,668	60.4	61.1
45 to 54 years	5,901	6,050	56.1	58.3	5,900	6,049	56.1	58.3
55 to 64 years	4,003	4,103	41.5	42.0	4,003	4,103	41.5	42.0
55 to 59 years	2,529	2,561	48.8	48.8	2,529	2,561	48.8	48.8
60 to 64 years	1,474	1,541	33.0	34.1	1,474	1,541	33.0	34.1
65 years and over	1,004	1,006	8.3	8.2	1,004	1,006	8.3	8.2
Black and other								
16 years and over	5,458	5,679	51.8	52.3	5,436	5,651	51.7	52.2
16 to 19 years	412	457	31.7	34.8	410	452	31.6	34.6
16 to 17 years	131	179	20.1	27.3	131	179	20.1	27.3
18 to 19 years	281	278	43.4	42.3	278	273	43.2	41.9
20 to 24 years	921	928	61.0	59.5	908	914	60.6	59.1
25 to 54 years	3,539	3,688	65.2	65.7	3,532	3,679	65.2	65.6
25 to 34 years	1,553	1,670	66.1	67.8	1,547	1,661	66.0	67.7
35 to 44 years	1,116	1,154	67.4	67.7	1,116	1,154	67.4	67.6
45 to 54 years	870	864	61.2	59.8	870	864	61.2	59.8
55 to 64 years	460	471	43.1	42.9	460	471	43.1	42.9
55 to 59 years	304	293	51.3	47.8	304	293	51.3	47.8
60 to 64 years	157	178	32.9	36.6	157	178	32.9	36.6
65 years and over	125	135	10.2	10.6	125	135	10.2	10.6

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

[Numbers in thousands]

Sex and age	January 1979						Not in labor force	
	Civilian labor force					Percent of labor force		
	Total	Employed			Unemployed			
		Total	Agri-culture	Nonagri-cultural industries	Number			
TOTAL								
16 years and over	10,088	8,822	216	8,606	1,266	12.5	6,767	
16 to 19 years	782	511	9	502	271	34.6	1,440	
16 to 17 years	282	197	4	193	85	30.2	876	
18 to 19 years	500	314	5	309	185	37.1	564	
20 to 24 years	1,625	1,294	12	1,282	331	20.4	779	
25 to 54 years	6,447	5,847	136	5,711	601	9.3	2,038	
25 to 34 years	2,854	2,502	28	2,474	352	12.3	775	
35 to 44 years	1,995	1,846	70	1,776	149	7.5	586	
45 to 54 years	1,599	1,499	38	1,461	100	6.3	677	
55 to 64 years	954	908	33	875	46	4.8	839	
55 to 59 years	588	558	25	533	30	5.0	401	
60 to 64 years	367	351	9	342	16	4.4	438	
65 years and over	279	262	26	237	17	6.1	1,670	
Males								
16 years and over	5,252	4,623	189	4,434	629	12.0	2,310	
16 to 19 years	401	255	8	247	146	36.4	672	
16 to 17 years	134	94	3	91	40	29.9	447	
18 to 19 years	267	161	5	156	105	39.3	225	
20 to 24 years	832	668	9	659	164	19.7	237	
25 to 54 years	3,329	3,048	120	2,927	282	8.5	462	
25 to 34 years	1,434	1,280	24	1,257	153	10.7	170	
35 to 44 years	1,012	939	65	874	73	7.2	124	
45 to 54 years	884	829	32	797	56	6.3	169	
55 to 64 years	537	512	30	482	25	4.7	280	
55 to 59 years	332	317	22	296	15	4.5	123	
60 to 64 years	206	196	9	186	10	4.9	157	
65 years and over	152	139	21	120	13	8.6	658	
Females								
16 years and over	4,836	4,199	27	4,172	637	13.2	4,457	
16 to 19 years	381	256	1	255	125	32.9	768	
16 to 17 years	148	103	1	102	45	30.4	429	
18 to 19 years	233	153	--	153	80	34.4	339	
20 to 24 years	793	626	3	623	167	21.1	542	
25 to 54 years	3,118	2,799	16	2,784	319	10.2	1,576	
25 to 34 years	1,420	1,222	4	1,217	199	14.0	605	
35 to 44 years	983	907	5	902	76	7.7	462	
45 to 54 years	715	670	6	664	44	6.2	508	
55 to 64 years	417	396	3	393	21	5.0	559	
55 to 59 years	256	241	3	237	15	6.0	278	
60 to 64 years	161	155	--	156	6	3.5	281	
65 years and over	127	123	5	117	4	3.5	1,012	

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

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

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
TOTAL								
Total noninstitutional population	159,937	162,448	68,148	69,385	74,991	76,337	16,798	16,725
Total labor force	100,071	102,961	54,422	55,493	36,723	38,267	8,926	9,201
Percent of population	62.6	63.4	79.9	80.0	49.0	50.1	53.1	55.0
Civilian labor force	97,950	100,867	52,741	53,833	36,624	38,158	8,585	8,875
Employed	91,053	94,436	49,822	51,227	34,184	35,849	7,046	7,360
Agriculture	2,868	2,762	2,171	2,064	421	451	275	228
Nonagricultural industries	88,185	91,673	47,651	49,163	33,763	35,398	6,771	7,132
Unemployed	6,897	6,431	2,919	2,607	2,440	2,309	1,539	1,515
Percent of labor force	7.0	6.4	5.5	4.8	6.7	6.1	17.9	17.1
Not in labor force	59,866	59,487	13,726	13,892	38,268	38,070	7,872	7,525
White								
Total noninstitutional population	140,421	142,351	60,439	61,428	65,759	66,797	14,223	14,126
Total labor force	88,138	90,656	48,481	49,401	31,677	33,045	7,980	8,210
Percent of population	62.8	63.7	80.2	80.4	48.2	49.5	56.1	58.1
Civilian labor force	86,405	88,988	47,105	48,071	31,598	32,959	7,702	7,958
Employed	81,061	83,950	44,817	45,989	29,726	31,215	6,518	6,746
Agriculture	2,617	2,498	1,962	1,868	386	415	268	215
Nonagricultural industries	78,444	81,452	42,854	44,121	29,340	30,800	6,250	6,531
Unemployed	5,344	5,038	2,288	2,082	1,872	1,744	1,184	1,212
Percent of labor force	6.2	5.7	4.9	4.3	5.9	5.3	15.4	15.2
Not in labor force	52,283	51,695	11,958	12,028	34,082	33,752	6,243	5,915
Black and other								
Total noninstitutional population	19,516	20,097	7,709	7,957	9,231	9,540	2,575	2,600
Total labor force	11,932	12,305	5,941	6,093	5,046	5,222	946	990
Percent of population	61.1	61.2	77.1	76.6	54.7	54.7	36.7	38.1
Civilian labor force	11,546	11,879	5,636	5,763	5,026	5,198	883	917
Employed	9,992	10,486	5,006	5,238	4,458	4,634	528	614
Agriculture	251	264	209	216	35	36	7	12
Nonagricultural industries	9,741	10,222	4,797	5,022	4,423	4,598	521	601
Unemployed	1,554	1,393	631	525	568	564	355	304
Percent of labor force	13.5	11.7	11.2	9.1	11.3	10.9	40.2	33.1
Not in labor force	7,583	7,792	1,768	1,864	4,186	4,318	1,629	1,609

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

(Numbers in thousands)

Employment status	January 1979								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	25,229	12,745	12,485	21,366	10,840	10,526	3,863	1,905	1,958
Total labor force	15,455	8,438	7,016	13,610	7,428	6,182	1,845	1,010	834
Percent of population	61.3	66.2	56.2	63.7	68.5	58.7	47.8	53.0	42.6
Civilian labor force	14,728	7,764	6,963	13,044	6,905	6,140	1,684	860	824
Employed	12,514	6,555	5,959	11,316	5,949	5,367	1,198	605	592
Agriculture	360	301	59	341	284	57	18	17	2
Nonagricultural industries	12,154	6,254	5,901	10,975	5,665	5,310	1,179	569	591
Unemployed	2,214	1,210	1,004	1,728	955	773	486	255	231
Looking for full-time work	1,282	718	564	944	537	407	338	182	157
Looking for part-time work	932	492	440	784	419	365	147	73	75
Percent of labor force	15.0	15.6	14.4	13.2	13.8	12.6	28.9	29.6	28.1
Not in labor force	9,774	4,306	5,468	7,756	3,411	4,345	2,018	895	1,124
Major activity: going to school									
Civilian labor force	4,121	2,136	1,984	3,687	1,921	1,765	434	215	219
Employed	3,323	1,691	1,632	3,034	1,548	1,486	289	143	146
Agriculture	110	91	19	108	89	19	2	2	--
Nonagricultural industries	3,214	1,600	1,614	2,927	1,460	1,467	287	141	147
Unemployed	797	446	352	652	373	279	145	72	73
Looking for full-time work	70	35	35	49	25	24	22	10	12
Looking for part-time work	727	410	317	604	348	256	123	62	61
Percent of labor force	19.4	20.9	17.7	17.7	19.4	15.8	33.4	33.7	33.1
Not in labor force	7,174	3,613	3,561	5,699	2,867	2,832	1,475	747	728
Major activity: other									
Civilian labor force	10,607	5,628	4,979	9,357	4,983	4,374	1,250	645	605
Employed	9,191	4,864	4,327	8,282	4,401	3,881	909	463	446
Agriculture	250	210	40	233	196	38	17	15	2
Nonagricultural industries	8,941	4,653	4,287	8,048	4,205	3,843	892	448	444
Unemployed	1,417	764	652	1,076	582	493	341	182	159
Looking for full-time work	1,212	683	529	895	512	384	317	172	145
Looking for part-time work	205	81	124	180	71	110	24	11	14
Percent of labor force	13.4	13.6	13.1	11.5	11.7	11.3	27.3	28.2	26.2
Not in labor force	2,601	693	1,908	2,057	545	1,512	544	148	395

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

(Numbers in thousands)

Race, sex, and age	January 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 for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over.....	85,273	77,201	3,202	4,870	5.7	15,594	14,032	1,561	10.0
16 to 21 years.....	8,916	6,922	712	1,282	14.4	5,811	4,880	932	16.0
16 to 19 years.....	4,156	3,033	408	715	17.2	4,719	3,919	800	16.9
16 to 17 years.....	652	376	101	174	26.7	2,947	2,423	524	17.8
18 to 19 years.....	3,504	2,657	306	541	15.4	1,772	1,496	276	15.6
20 years and over.....	81,117	74,168	2,795	4,154	5.1	10,874	10,113	761	7.0
20 to 24 years.....	12,762	10,884	647	1,232	9.7	2,079	1,851	228	11.0
25 years and over.....	68,355	63,285	2,148	2,923	4.3	8,795	8,262	533	6.1
25 to 54 years.....	56,416	52,155	1,690	2,571	4.6	5,972	5,571	400	6.7
55 years and over.....	11,940	11,130	458	352	2.9	2,823	2,691	133	4.7
Males, 16 years and over.....	53,378	49,216	1,368	2,794	5.2	5,127	4,474	653	12.7
16 to 21 years.....	4,923	3,866	339	718	14.6	2,841	2,350	492	17.3
16 to 19 years.....	2,314	1,725	190	400	17.3	2,357	1,916	441	18.7
20 years and over.....	51,063	47,491	1,178	2,394	4.7	2,770	2,558	212	7.7
20 to 24 years.....	7,150	6,138	290	723	10.1	869	783	86	9.9
25 years and over.....	43,913	41,353	888	1,671	3.8	1,901	1,775	127	6.7
25 to 54 years.....	36,013	33,900	673	1,440	4.0	752	684	70	9.3
55 years and over.....	7,900	7,453	216	231	2.9	1,149	1,091	58	5.0
Females, 16 years and over.....	31,895	27,986	1,834	2,076	6.5	10,467	9,559	908	8.7
16 to 21 years.....	3,993	3,056	373	564	14.1	2,970	2,530	440	14.8
16 to 19 years.....	1,842	1,308	218	316	17.1	2,362	2,004	359	15.2
20 years and over.....	30,054	26,677	1,617	1,760	5.9	8,104	7,555	549	6.8
20 to 24 years.....	5,612	4,746	357	509	9.1	1,210	1,068	142	11.7
25 years and over.....	24,442	21,931	1,259	1,251	5.1	6,894	6,487	407	5.9
25 to 54 years.....	20,403	18,255	1,017	1,131	5.5	5,219	4,888	331	6.3
55 years and over.....	4,039	3,677	242	120	3.0	1,675	1,599	76	4.5
White									
Males, 16 years and over.....	47,709	44,331	1,162	2,215	4.6	4,568	4,024	543	11.9
16 to 21 years.....	4,331	3,505	289	537	12.4	2,574	2,155	419	16.3
16 to 19 years.....	2,068	1,599	166	302	14.6	2,138	1,764	374	17.5
20 years and over.....	45,641	42,732	996	1,913	4.2	2,430	2,260	169	7.0
20 to 24 years.....	6,288	5,488	233	567	9.0	765	696	69	9.0
25 years and over.....	39,353	37,244	763	1,346	3.4	1,666	1,565	101	6.1
25 to 54 years.....	32,152	30,425	577	1,151	3.6	626	580	47	7.5
55 years and over.....	7,200	6,819	186	195	2.7	1,039	985	54	5.2
Females, 16 years and over.....	27,213	24,154	1,545	1,514	5.6	9,498	8,732	766	8.1
16 to 21 years.....	3,460	2,740	313	407	11.8	2,680	2,315	365	13.6
16 to 19 years.....	1,620	1,197	186	238	14.7	2,132	1,834	297	13.9
20 years and over.....	25,593	22,957	1,360	1,276	5.0	7,366	6,898	468	6.4
20 to 24 years.....	4,836	4,178	303	355	7.3	1,072	957	115	10.7
25 years and over.....	20,757	18,780	1,057	921	4.4	6,293	5,940	353	5.6
25 to 54 years.....	17,127	15,449	861	816	4.8	4,816	4,526	290	6.0
55 years and over.....	3,630	3,330	196	105	2.9	1,478	1,414	63	4.3
Black and other									
Males, 16 years and over.....	5,669	4,884	206	579	10.2	559	449	110	19.7
16 to 21 years.....	592	361	49	182	30.7	267	195	73	27.2
16 to 19 years.....	247	126	24	97	39.4	219	152	67	30.7
20 years and over.....	5,422	4,758	182	482	8.9	340	298	43	12.6
20 to 24 years.....	862	649	56	156	18.1	105	88	17	16.3
25 years and over.....	4,560	4,108	126	325	7.1	235	210	25	10.6
25 to 54 years.....	3,861	3,475	96	289	7.5	126	104	22	12.5
55 years and over.....	699	633	30	36	5.2	109	106	3	2.8
Females, 16 years and over.....	4,682	3,832	289	562	12.0	968	826	142	14.7
16 to 21 years.....	533	316	60	157	29.4	290	216	75	25.7
16 to 19 years.....	221	111	32	78	35.2	231	169	62	26.7
20 years and over.....	4,461	3,720	257	484	10.8	738	657	81	10.9
20 to 24 years.....	776	568	54	154	19.9	138	111	27	19.6
25 years and over.....	3,684	3,151	203	330	9.0	600	546	54	9.0
25 to 54 years.....	3,276	2,805	157	314	9.6	403	362	41	10.2
55 years and over.....	409	346	46	15	3.7	197	184	12	6.1

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

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

(Numbers in thousands)

Family relationship	January 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	100,867	62.9	94,436	6,431	6.4	59,487	33,398	8,440	2,813	14,835
Husbands ¹	40,747	81.5	39,434	1,313	3.2	9,231	208	181	1,185	7,657
With employed wife	20,265	91.7	19,723	543	2.7	1,823	55	98	377	1,292
With unemployed wife	1,211	93.2	1,063	148	12.2	90	4	3	32	50
With wife not in labor force	17,651	72.1	17,113	538	3.0	6,841	129	71	693	5,948
Wives	23,389	48.8	22,089	1,300	5.6	24,492	22,734	222	269	1,267
With employed husband	20,786	54.8	19,723	1,063	5.1	17,113	16,168	187	102	655
With unemployed husband	690	56.2	542	148	21.4	538	499	10	4	25
With husband not in labor force	1,913	21.9	1,823	90	4.7	6,841	6,067	25	163	586
Relatives in husband-wife families	13,653	59.5	11,869	1,785	13.1	9,287	1,356	5,909	352	1,671
16-19 years	6,383	54.0	5,400	983	15.4	5,436	186	4,780	17	453
20-24 years	4,709	73.4	4,194	514	10.9	1,703	186	1,040	45	432
25 years and over	2,561	54.4	2,275	288	11.2	2,148	984	89	290	786
Women who head families	4,847	58.0	4,463	384	7.9	3,506	2,911	97	144	354
Relatives in female-headed families	3,878	53.4	3,143	736	19.0	3,383	787	1,484	270	842
16-19 years	1,260	46.6	917	343	27.2	1,444	69	1,195	15	165
20-24 years	1,164	69.2	938	225	19.3	519	104	245	17	153
25 years and over	1,454	50.6	1,288	168	11.6	1,420	614	44	238	524
Persons not living in families ²	14,353	60.0	13,438	913	6.4	9,588	5,402	547	593	3,044

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	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
	Total, 16 years and over	3,726	3,447	6.5	5.9	3,172	2,984	7.8	7.0
Married, spouse present	1,493	1,291	3.8	3.2	1,421	1,359	6.2	5.7
Widowed, divorced, or separated	382	341	8.9	7.4	584	516	7.6	6.5
Single (never married)	1,851	1,815	13.9	13.1	1,167	1,109	11.7	10.4
White, 16 years and over	2,916	2,758	5.7	5.3	2,427	2,280	6.9	6.2
Married, spouse present	1,254	1,079	3.5	3.0	1,172	1,147	5.7	5.4
Widowed, divorced, or separated	255	252	7.4	6.8	426	358	7.0	5.6
Single (never married)	1,407	1,428	12.1	11.8	829	775	9.7	8.6
Black and other, 16 years and over	809	689	13.2	11.1	744	704	13.7	12.5
Married, spouse present	239	212	6.6	6.0	249	212	10.2	8.8
Widowed, divorced, or separated	127	89	15.1	10.0	158	158	10.1	10.1
Single (never married)	444	388	26.5	21.4	338	334	23.3	20.0
Total, 20 to 64 years of age	2,822	2,535	5.5	4.9	2,388	2,265	6.7	6.1
Married, spouse present	1,407	1,233	3.7	3.2	1,315	1,270	5.5	5.5
Widowed, divorced, or separated	352	320	8.7	7.4	536	471	7.7	6.5
Single (never married)	1,064	981	12.0	10.5	535	523	8.4	7.6
White, 20 to 64 years of age	2,217	2,024	4.9	4.4	1,820	1,704	5.5	5.3
Married, spouse present	1,178	1,034	3.4	3.0	1,088	1,065	5.5	5.2
Widowed, divorced, or separated	238	234	7.3	6.7	378	318	6.9	5.5
Single (never married)	801	756	10.5	9.5	354	322	6.7	5.7
Black and other, 20 to 64 years of age	605	511	11.1	9.2	568	560	11.6	11.1
Married, spouse present	229	199	6.6	5.9	228	205	9.7	8.7
Widowed, divorced, or separated	114	87	14.5	10.2	159	154	10.8	10.5
Single (never married)	262	224	21.9	16.7	181	201	16.7	16.2

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
Total, 16 years and over	6,897	6,431	7.0	6.4	6.5	5.9	7.8	7.0
White-collar workers	1,906	1,787	3.9	3.6	2.7	2.5	5.0	4.5
Professional and technical	391	379	2.7	2.5	2.1	1.9	3.4	3.2
Managers and administrators, except farm	291	242	2.8	2.3	2.1	1.9	5.3	3.4
Sales workers	288	289	4.8	4.7	3.5	3.4	6.3	6.2
Clerical workers	937	878	5.3	4.8	4.8	4.1	5.5	5.0
Blue-collar workers	2,974	2,713	9.1	8.0	8.5	7.5	12.1	10.3
Craft and kindred workers	856	768	6.8	5.4	6.7	5.7	9.0	7.9
Carpenters and other construction craft	499	414	12.6	10.5	12.6	10.4	(1)	(1)
All other	357	354	4.1	3.8	3.8	3.5	8.2	7.1
Operatives, except transport	1,144	1,065	9.9	9.0	8.2	7.6	12.4	11.0
Transport equipment operatives	252	241	6.9	6.3	6.8	6.3	8.9	5.9
Nonfarm laborers	722	639	15.1	13.0	15.1	13.3	15.1	10.3
Construction laborers	230	233	25.3	23.2	25.6	23.5	(1)	(1)
All other	492	406	12.7	10.3	12.4	10.3	15.3	10.5
Service workers	1,105	1,155	8.1	8.4	7.8	8.4	6.3	8.4
Private household	61	60	4.9	5.4	(1)	(1)	5.0	5.2
All other	1,045	1,095	8.5	8.7	7.8	8.4	8.9	8.8
Farm workers	131	88	5.1	3.6	3.8	2.8	12.3	8.0
No previous work experience	781	688	--	--	--	--	--	--
16 to 19 years	573	503	--	--	--	--	--	--
20 to 24 years	142	113	--	--	--	--	--	--
25 years and over	66	73	--	--	--	--	--	--

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	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
Total, 16 years and over	100.0	100.0	7.0	6.4	6.5	5.9	7.8	7.0
Nonagricultural private wage and salary workers	75.1	76.0	7.3	6.6	6.8	6.2	7.9	7.1
Mining	.7	.6	5.5	4.6	5.2	5.2	(1)	.7
Construction	10.9	11.7	16.8	15.7	17.2	16.3	12.1	7.0
Manufacturing	20.9	20.1	6.6	5.7	5.1	4.5	9.9	8.3
Durable goods	11.4	10.6	6.1	5.0	5.2	4.5	9.1	6.6
Lumber and wood products	1.1	.9	11.2	7.6	10.9	7.7	(1)	7.2
Furniture and fixtures	.6	.6	7.6	6.4	7.0	7.9	8.8	3.6
Stone, clay, and glass products	.8	.8	7.0	6.8	5.5	6.3	12.4	8.4
Primary metal industries	1.2	.8	6.6	4.1	6.3	3.9	8.6	5.6
Fabricated metal products	1.4	1.5	6.6	6.4	5.9	6.0	9.4	8.0
Machinery, except electrical equipment	1.5	1.0	4.1	2.3	3.4	2.2	7.4	2.6
Electrical equipment	1.9	1.8	5.8	5.1	4.1	3.5	8.1	7.2
Transportation equipment	1.4	1.8	4.4	4.8	4.2	4.5	6.0	5.9
Automobiles	.6	1.2	3.5	5.4	3.5	4.9	3.7	8.0
Other transportation equipment	.7	.6	5.7	3.9	5.1	4.0	9.0	3.2
Instruments and related products	.3	.3	3.7	3.5	2.6	2.1	5.1	5.6
Other durable goods industries	1.3	1.2	11.7	10.1	7.4	8.1	17.3	12.8
Nondurable goods	9.5	9.5	7.2	6.8	5.0	4.5	10.5	9.9
Food and kindred products	2.3	2.4	8.1	8.2	6.9	5.7	11.3	13.7
Textile mill products	1.1	1.1	7.4	7.7	4.5	6.1	10.8	9.6
Apparel and other textile products	2.5	2.0	12.3	9.2	6.4	2.9	13.9	10.7
Paper and allied products	.4	.8	4.1	7.3	2.4	4.4	9.9	15.7
Printing and publishing	1.0	1.1	5.0	4.8	3.9	4.7	6.6	5.1
Chemicals and allied products	.6	.8	3.7	4.2	3.1	3.9	5.4	5.1
Rubber and plastics products	.9	.8	7.6	6.5	5.6	3.9	11.0	10.8
Other nondurable goods industries	.7	.5	7.1	5.3	6.7	2.2	7.5	9.2
Transportation and public utilities	3.7	3.4	5.0	4.1	5.1	3.8	4.6	5.0
Railroads and railway express	.4	.2	5.4	2.6	5.6	2.9	(1)	(1)
Other transportation	2.4	2.4	6.6	6.0	6.9	5.6	5.7	7.3
Communication and other public utilities	.9	.8	2.9	2.3	2.2	1.5	4.1	3.8
Wholesale and retail trade	21.6	21.6	8.2	7.5	6.9	6.3	9.8	8.8
Finance, insurance, and real estate	2.4	2.9	3.4	3.4	3.4	3.1	3.3	3.7
Service industries	15.0	15.7	6.5	6.1	6.1	5.8	6.7	6.2
Professional services	6.0	6.5	4.5	4.3	3.5	3.4	4.9	4.7
All other service industries	9.1	9.2	9.2	8.7	8.5	8.1	9.7	9.2
Agricultural wage and salary workers	2.4	1.9	12.5	10.0	10.9	8.7	18.8	14.9
All other classes of workers	11.2	11.3	3.1	3.0	2.9	2.5	3.4	3.5
No previous work experience	11.3	10.7	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands.....	6,897	6,431	2,919	2,607	2,440	2,309	1,539	1,515	5,344	5,038	1,554	1,393
Job losers.....	3,367	3,048	1,952	1,678	1,037	972	378	398	2,672	2,394	695	654
On layoff.....	1,129	1,146	680	641	326	384	122	120	991	953	137	193
Other job losers.....	2,238	1,902	1,272	1,037	711	588	256	278	1,681	1,441	558	461
Job leavers.....	876	943	337	366	402	403	137	174	740	796	136	147
Reentrants.....	1,877	1,753	534	494	890	817	453	443	1,407	1,341	470	412
New entrants.....	778	686	96	68	111	118	571	500	525	507	254	179
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.....	48.8	47.4	66.9	64.4	42.5	42.1	24.6	26.2	50.0	47.5	44.7	47.0
On layoff.....	16.4	17.8	23.3	24.6	13.4	16.6	8.0	7.9	18.6	18.9	8.8	13.9
Other job losers.....	32.4	29.6	43.6	39.8	29.1	25.5	16.6	18.3	31.4	28.6	35.9	33.1
Job leavers.....	12.7	14.7	11.5	14.0	16.5	17.4	8.9	11.5	13.9	15.8	8.7	10.5
Reentrants.....	27.2	27.3	18.3	18.9	36.5	35.4	29.4	29.2	26.3	26.6	30.2	29.6
New entrants.....	11.3	10.7	3.3	2.6	4.6	5.1	37.1	33.0	9.8	10.1	16.3	12.9
UNEMPLOYMENT RATE												
Total unemployment rate.....	7.0	6.4	5.5	4.8	6.7	6.1	17.9	17.1	6.2	5.7	13.5	11.7
Job loser rate ¹	3.5	3.0	3.7	3.1	2.8	2.5	4.4	4.5	3.0	2.7	6.0	5.5
On layoff.....	.9	.9	.6	.7	1.1	1.1	1.6	2.0	.9	.9	1.2	1.2
Other job losers.....	1.9	1.7	1.0	.9	2.4	2.1	5.3	5.0	1.6	1.5	4.1	3.5
Job leavers.....	.8	.7	.2	.1	.3	.3	6.7	5.6	.6	.6	2.2	1.5

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	January 1979						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 2 weeks	8 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	6,431	100.0	47.2	32.7	20.2	12.1	8.0
Job losers.....	3,048	100.0	43.8	35.8	20.4	12.1	8.3
On layoff.....	1,146	100.0	58.6	34.2	7.2	4.6	2.6
Other job losers.....	1,902	100.0	34.9	36.8	28.2	16.6	11.7
Job leavers.....	943	100.0	45.2	34.5	20.4	12.2	8.2
Reentrants.....	1,753	100.0	54.2	26.4	19.3	11.9	7.4
New entrants.....	686	100.0	46.5	32.2	21.3	12.7	8.6
Males, 20 years and over.....	2,607	100.0	41.9	35.0	23.1	12.9	10.2
Job losers.....	1,678	100.0	41.9	37.2	20.9	12.3	8.6
On layoff.....	641	100.0	56.9	35.7	7.3	4.2	3.1
Other job losers.....	1,037	100.0	32.6	38.1	29.3	17.4	12.0
Job leavers.....	366	100.0	37.3	31.8	31.0	17.0	14.0
Reentrants.....	494	100.0	45.1	32.2	22.7	11.5	11.1
New entrants.....	68	100.0	(1)	(1)	(1)	(1)	(1)
Females, 20 years and over.....	2,309	100.0	48.3	30.8	20.9	12.3	8.6
Job losers.....	972	100.0	42.3	34.8	22.9	12.8	10.1
On layoff.....	384	100.0	62.1	29.8	8.1	6.0	2.1
Other job losers.....	588	100.0	29.4	37.9	32.7	17.2	15.5
Job leavers.....	403	100.0	46.8	35.6	17.7	11.7	6.0
Reentrants.....	817	100.0	57.9	22.8	19.3	11.6	7.7
New entrants.....	118	100.0	36.4	37.3	26.3	15.3	11.0
Both sexes, 16 to 19 years.....	1,515	100.0	54.4	31.5	14.1	10.5	3.6
Job losers.....	398	100.0	55.5	32.7	11.8	9.5	2.3
On layoff.....	120	100.0	56.7	40.0	3.3	1.7	1.7
Other job losers.....	278	100.0	55.0	29.9	15.1	12.6	2.5
Job leavers.....	174	100.0	58.3	37.7	4.0	3.4	.6
Reentrants.....	443	100.0	57.7	26.7	15.6	12.9	2.7
New entrants.....	500	100.0	49.3	32.7	18.0	11.8	6.2

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

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

Sex, age, and race	January 1979								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,431	5,193	26.2	6.5	70.5	32.0	13.9	7.0	1.56
16 to 19 years	1,515	1,378	17.1	3.3	77.0	25.1	13.1	6.0	1.42
20 to 24 years	1,460	1,199	28.7	8.3	71.3	33.3	15.0	5.3	1.62
25 to 34 years	1,564	1,226	31.7	7.5	67.2	37.8	13.2	5.8	1.63
35 to 44 years	807	613	30.8	6.2	69.8	30.2	14.4	8.8	1.60
45 to 54 years	599	417	24.2	7.0	65.2	33.3	11.0	11.3	1.52
55 to 64 years	368	268	33.2	11.6	57.8	36.2	14.9	16.0	1.70
65 years and over	117	93	15.1	4.3	71.0	37.6	25.8	3.2	1.57
Males, 16 years and over	3,447	2,664	28.7	6.7	71.6	30.7	17.6	8.5	1.64
16 to 19 years	841	747	16.6	2.9	79.0	24.1	17.1	4.1	1.44
20 to 24 years	809	627	30.5	7.0	75.0	31.7	16.6	6.7	1.67
25 to 34 years	787	570	37.5	8.9	67.5	37.4	17.2	8.1	1.77
35 to 44 years	387	280	38.9	7.9	65.4	28.6	21.1	14.6	1.76
45 to 54 years	336	219	29.2	8.7	65.8	30.6	16.4	14.6	1.65
55 to 64 years	216	164	31.7	11.0	57.9	34.8	15.2	20.7	1.71
65 years and over	72	56	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	2,984	2,529	23.6	6.3	69.4	33.5	10.0	5.5	1.48
16 to 19 years	675	630	17.8	3.7	74.8	26.3	8.4	8.1	1.39
20 to 24 years	651	572	26.6	9.8	67.1	35.0	13.3	3.8	1.56
25 to 34 years	778	656	26.8	6.3	66.9	38.3	9.8	3.8	1.52
35 to 44 years	420	333	24.0	4.8	73.6	31.5	8.4	3.9	1.46
45 to 54 years	264	198	19.2	5.1	64.6	36.4	5.1	7.6	1.38
55 to 64 years	152	104	35.6	13.5	57.7	39.4	14.4	8.7	1.69
65 years and over	44	36	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	5,038	4,000	24.5	6.3	71.3	32.2	14.3	7.3	1.56
Males	2,758	2,092	26.9	7.0	70.7	31.6	17.7	9.4	1.63
Females	2,280	1,908	21.9	5.4	72.1	32.9	10.7	5.0	1.48
Black and other, 16 years and over	1,393	1,192	32.1	7.5	67.7	31.4	12.3	6.0	1.57
Males	689	572	35.1	5.6	75.0	27.1	17.1	5.1	1.65
Females	704	620	29.4	9.0	61.0	35.3	7.9	6.9	1.50

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	January 1979								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,431	5,193	26.2	6.5	70.5	32.0	13.9	7.0	1.56
Job leavers	3,048	1,917	34.0	7.5	70.5	32.2	14.5	8.8	1.68
Job leavers	943	952	26.9	6.6	69.5	37.9	16.8	4.8	1.63
Reentrants	1,753	1,648	21.6	6.6	70.0	31.1	11.8	6.6	1.48
New entrants	686	676	14.5	3.6	73.2	25.6	13.2	6.2	1.36
Males, 16 years and over	3,447	2,664	28.7	6.7	71.6	30.7	17.6	8.5	1.64
Job leavers	1,939	1,217	36.6	7.9	70.0	31.1	15.9	10.8	1.72
Job leavers	470	478	27.2	6.7	72.0	34.3	21.8	5.4	1.67
Reentrants	717	656	22.1	5.5	73.3	30.8	18.3	9.0	1.59
New entrants	321	312	14.1	4.5	73.7	23.1	16.3	3.8	1.36
Females, 16 years and over	2,984	2,529	23.6	6.3	69.4	33.5	10.0	5.5	1.48
Job leavers	1,110	700	29.6	6.9	71.3	34.1	12.0	5.6	1.59
Job leavers	473	473	26.6	6.3	67.2	41.4	11.6	4.2	1.58
Reentrants	1,036	991	21.4	7.3	67.9	31.2	7.6	5.1	1.40
New entrants	365	364	14.8	2.7	72.8	28.0	10.4	8.0	1.37

NOTE: See notes, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
Total, 16 years and over	6,897	6,431	100.0	100.0	5,371	4,870	100.0	100.0
Less than 5 weeks	3,067	3,033	44.5	47.2	2,126	2,139	39.6	43.9
5 to 14 weeks	2,131	2,102	30.9	32.7	1,756	1,665	32.7	34.2
15 to 26 weeks	1,562	1,548	22.6	24.1	1,267	1,243	23.6	25.5
27 to 51 weeks	568	553	8.2	8.6	489	422	9.1	8.7
52 weeks and over	1,700	1,296	24.6	20.2	1,488	1,066	27.7	21.9
Average (mean) duration, in weeks	12.4	10.7	--	--	13.5	11.5	--	--
Median duration, in weeks	6.2	5.6	--	--	7.3	6.2	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	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			Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
	January 1979								Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
Total, 16 years and over	6,431	3,033	2,102	779	517	10.7	5.6	44.5	47.2	24.6	20.2
16 to 21 years	2,214	1,155	734	237	87	8.3	4.8	52.5	52.2	19.1	14.7
18 to 19 years	1,515	825	477	159	54	7.9	4.6	55.4	54.4	18.1	14.1
20 to 24 years	1,460	693	508	161	98	9.9	5.4	45.3	47.5	21.5	17.7
25 to 34 years	1,564	747	473	217	127	10.9	5.5	42.2	47.8	25.3	22.0
35 to 44 years	807	360	248	101	98	12.6	6.3	40.2	44.6	27.7	24.7
45 to 54 years	599	235	211	82	71	13.4	6.7	35.1	39.2	31.0	25.5
55 to 64 years	368	126	140	42	60	16.5	8.6	35.2	34.2	37.3	27.7
65 years and over	117	46	44	18	8	12.0	6.2	36.8	39.5	40.4	22.5
Males, 16 years and over	3,447	1,511	1,204	441	292	11.5	6.2	40.6	43.8	25.8	21.2
16 to 21 years	1,210	583	435	144	49	8.8	5.3	49.8	48.1	20.4	15.9
18 to 19 years	841	419	291	104	27	8.5	5.0	52.0	49.8	18.9	15.6
20 to 24 years	809	378	290	84	57	10.3	5.5	43.1	46.7	22.4	17.4
25 to 34 years	787	343	249	127	67	12.0	6.4	36.9	43.7	26.1	24.7
35 to 44 years	387	146	137	47	57	13.8	7.2	35.1	37.7	28.8	26.9
45 to 54 years	336	145	109	42	39	13.6	6.2	32.0	43.1	31.2	24.3
55 to 64 years	216	61	96	21	38	17.2	9.2	29.8	28.0	42.2	27.4
65 years and over	72	20	32	15	6	15.6	8.3	33.1	27.1	42.7	29.1
Females, 16 years and over	2,984	1,522	898	339	225	9.8	4.9	49.0	51.0	23.3	18.9
16 to 21 years	1,004	572	300	94	38	7.6	4.4	55.8	57.0	17.5	13.1
18 to 19 years	675	466	187	54	28	7.1	4.2	59.1	60.2	17.2	12.2
20 to 24 years	651	315	218	77	41	9.4	5.4	48.1	48.4	20.3	18.0
25 to 34 years	778	404	224	91	60	9.7	4.8	48.9	51.9	24.4	19.3
35 to 44 years	420	214	110	54	41	11.5	4.9	44.5	51.0	26.9	22.7
45 to 54 years	264	90	102	40	32	13.1	7.6	38.7	34.3	30.8	27.0
55 to 64 years	152	65	44	21	22	15.4	6.9	42.2	43.0	31.1	28.1
65 years and over	44	27	13	3	2	6.0	4.2	(1)	(1)	(1)	(1)
Whites, 16 years and over	5,038	2,430	1,642	581	384	10.3	5.4	46.4	48.2	22.8	19.2
Males	2,758	1,247	970	315	227	11.1	5.9	42.7	45.2	23.8	19.6
Females	2,280	1,184	672	267	157	9.3	4.8	50.7	51.9	21.6	18.6
Black and other, 16 years and over	1,393	602	459	198	133	12.4	6.4	37.9	43.3	31.1	23.8
Males	689	264	234	126	65	13.4	7.3	33.0	38.4	33.0	27.7
Females	704	338	226	72	68	11.4	5.4	43.3	48.0	29.0	19.9
Males, 16 years and over:											
Married, spouse present	1,291	546	469	156	119	11.9	6.4	34.6	42.3	26.5	21.3
Widowed, divorced, or separated	341	140	110	54	38	14.1	6.6	36.9	40.9	33.3	26.9
Single (never married)	1,815	826	625	230	135	10.8	5.9	46.2	45.5	23.6	20.1
Females, 16 years and over:											
Married, spouse present	1,359	702	404	160	93	9.6	4.8	49.5	51.7	24.3	18.6
Widowed, divorced, or separated	516	231	157	63	66	12.5	6.1	41.8	44.7	25.1	25.0
Single (never married)	1,109	589	338	116	66	8.9	4.7	51.9	53.1	21.3	16.4

¹ Percent not shown where base is less than 76,000.

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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			Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
	January 1979										
OCCUPATION											
White-collar workers	1,787	830	522	271	164	11.4	5.9	45.9	46.4	27.4	24.4
Professional and managerial	621	264	183	106	66	12.2	7.0	41.9	42.5	32.8	27.9
Sales workers	289	147	89	37	16	10.3	4.9	51.7	50.8	20.5	18.2
Clerical workers	878	418	250	128	82	11.2	5.6	47.1	47.7	25.5	23.9
Blue-collar workers	2,713	1,243	982	286	202	10.1	5.7	41.5	45.8	23.6	18.0
Craft and kindred workers	768	365	288	60	55	10.2	5.4	39.6	47.5	23.0	15.1
Operatives, except transport	1,065	492	365	116	91	10.3	5.6	41.9	46.2	24.9	19.5
Transport equipment operatives	241	98	91	31	20	11.8	6.6	42.8	40.8	20.1	21.4
Nonfarm laborers	639	288	238	78	35	8.9	5.7	42.7	45.1	23.3	17.7
Service workers	1,155	594	338	135	88	10.8	4.9	46.9	51.4	23.6	19.3
INDUSTRY¹											
Agriculture	125	51	71	1	3	6.7	6.1	38.8	40.6	14.1	2.8
Construction	782	387	305	59	31	8.2	5.1	41.1	49.5	17.1	11.4
Manufacturing	1,299	556	437	161	145	11.5	6.3	39.3	42.8	27.9	23.5
Durable goods	686	268	241	92	85	12.7	6.8	37.0	39.0	31.0	25.9
Non-durable goods	612	289	196	69	59	10.1	5.6	42.1	47.1	24.3	20.9
Transportation and public utilities	258	100	84	48	26	12.3	6.7	41.3	38.8	22.5	28.7
Wholesale and retail trade	1,394	736	432	151	74	9.3	4.7	50.0	52.8	21.7	16.2
Finance and service industries	1,536	737	438	220	142	11.5	5.4	45.2	48.0	26.6	23.5
Public administration	196	75	59	45	17	14.4	8.2	33.3	38.4	41.7	31.7
No previous work experience	688	322	221	87	59	12.0	6.1	49.9	46.7	26.1	21.2

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	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
	All industries	91,053	94,436	53,608	55,057	37,445	39,378
18 to 19 years	7,046	7,360	3,786	3,831	3,261	3,529
16 to 17 years	2,762	2,901	1,499	1,509	1,262	1,391
18 to 19 years	4,285	4,459	2,286	2,321	1,999	2,138
20 to 24 years	12,737	13,382	6,841	7,210	5,895	6,171
25 to 54 years	57,418	59,417	34,484	35,256	22,934	24,160
25 to 34 years	23,565	24,812	14,152	14,703	9,413	10,109
35 to 44 years	17,538	18,176	10,480	10,775	7,058	7,401
45 to 54 years	16,315	16,428	9,852	9,779	6,463	6,649
55 to 64 years	11,016	11,364	6,737	6,942	4,279	4,421
55 to 59 years	6,890	7,031	4,165	4,274	2,725	2,758
60 to 64 years	4,125	4,332	2,572	2,668	1,553	1,664
65 years and over	2,836	2,914	1,760	1,818	1,076	1,096
Nonagricultural industries	88,185	91,673	51,217	52,780	36,968	38,893
18 to 19 years	6,771	7,132	3,566	3,637	3,205	3,495
16 to 17 years	2,644	2,782	1,410	1,414	1,233	1,368
18 to 19 years	4,128	4,350	2,156	2,223	1,972	2,127
20 to 24 years	12,433	13,095	6,595	6,973	5,838	6,122
25 to 54 years	55,946	57,911	33,274	34,048	22,672	23,863
25 to 34 years	23,073	24,244	13,750	14,243	9,323	10,002
35 to 44 years	17,060	17,717	10,097	10,401	6,964	7,315
45 to 54 years	15,812	15,950	9,428	9,404	6,384	6,546
55 to 64 years	10,513	10,913	6,299	6,562	4,215	4,351
55 to 59 years	6,617	6,775	3,932	4,065	2,685	2,711
60 to 64 years	3,896	4,138	2,367	2,497	1,529	1,641
65 years and over	2,522	2,622	1,484	1,561	1,039	1,062
Agriculture	2,868	2,762	2,391	2,277	477	485
18 to 19 years	275	228	220	193	55	34
16 to 17 years	118	118	89	95	29	23
18 to 19 years	157	109	131	98	27	11
20 to 24 years	304	287	246	238	57	49
25 to 54 years	1,472	1,505	1,210	1,208	262	297
25 to 34 years	492	568	402	460	90	108
35 to 44 years	477	459	383	373	94	86
45 to 54 years	503	478	425	375	78	103
55 to 64 years	502	451	438	381	64	70
55 to 59 years	273	256	233	209	40	47
60 to 64 years	229	195	205	172	24	23
65 years and over	314	292	277	257	37	35

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	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
	TOTAL	91,053	94,436	49,822	51,227	34,184	35,849	3,786	3,831	3,261	3,529
White-collar workers	46,535	48,337	21,844	22,259	22,346	23,610	609	629	1,737	1,839
Professional and technical	14,169	14,876	8,024	8,296	5,993	6,387	88	106	65	88
Health workers	2,549	2,760	866	937	1,660	1,804	7	8	15	11
Teachers, except college	3,149	3,247	916	923	2,224	2,293	3	7	6	24
Other professional and technical	8,471	8,869	6,242	6,436	2,109	2,290	78	91	44	53
Managers and administrators, except farm	10,037	10,312	7,793	7,784	2,273	2,427	33	52	28	49
Salaried workers	8,243	8,510	6,292	6,425	1,892	1,997	31	42	27	47
Self-employed workers in retail trade	896	901	649	603	244	293	4	3	--	2
Self-employed workers, except retail trade	898	900	762	756	137	137	--	7	--	--
Sales workers	5,736	5,892	2,909	3,060	2,191	2,195	225	217	412	421
Retail trade	3,036	3,033	872	931	1,625	1,547	158	166	381	389
Other industries	2,700	2,859	2,037	2,129	565	648	67	52	31	31
Clerical workers	16,593	17,257	3,208	3,119	11,888	12,601	263	254	1,233	1,282
Stenographers, typists, and secretaries	4,642	4,784	48	83	4,248	4,337	8	5	338	358
Other clerical workers	11,951	12,473	3,160	3,036	7,640	8,264	255	249	895	924
Blue-collar workers	29,601	31,171	22,267	23,231	4,976	5,310	2,032	2,163	326	467
Craft and kindred workers	11,760	12,470	10,783	11,293	578	652	379	480	20	45
Carpenters	1,166	1,139	1,077	1,061	13	12	74	64	4	2
Construction craft, except carpenters	2,283	2,398	2,196	2,247	14	29	73	120	1	2
Mechanics and repairers	3,228	3,497	3,063	3,284	45	36	121	175	--	2
Metal craft	1,143	1,249	1,087	1,163	29	42	28	39	--	4
Blue-collar worker supervisors, not elsewhere classified	1,595	1,695	1,439	1,515	146	176	9	5	1	--
All other	2,343	2,492	1,921	2,022	331	357	75	76	16	37
Operatives, except transport	10,411	10,804	5,717	5,891	3,813	3,971	657	648	224	294
Durable goods manufacturing	4,700	5,117	2,978	3,196	1,420	1,571	211	241	92	110
Nondurable goods manufacturing	3,354	3,363	1,277	1,310	1,855	1,812	115	107	107	135
Other industries	2,357	2,324	1,464	1,385	538	589	331	301	25	50
Transport equipment operatives	3,381	3,604	2,972	3,112	249	297	144	176	15	18
Drivers, motor vehicles	2,869	3,108	2,500	2,657	240	285	115	150	15	16
All other	512	496	473	456	10	12	29	26	1	2
Nonfarm laborers	4,050	4,294	2,795	2,935	336	390	853	859	66	110
Construction	678	771	551	615	6	13	118	136	3	7
Manufacturing	1,036	1,047	792	791	118	143	122	100	4	14
Other industries	2,336	2,475	1,452	1,530	212	234	612	623	60	89
Service workers	12,484	12,581	3,819	3,905	6,564	6,599	941	878	1,160	1,199
Private household workers	1,171	1,053	23	7	908	842	14	8	226	196
Service workers, except private household	11,313	11,527	3,796	3,897	5,656	5,757	927	870	934	1,003
Food service workers	4,019	4,180	728	791	2,081	2,172	563	545	648	673
Protective service workers	1,360	1,449	1,227	1,282	105	129	23	29	5	9
All other	5,934	5,898	1,841	1,824	3,470	3,456	341	296	281	321
Farm workers	2,432	2,347	1,893	1,832	297	330	203	161	39	24
Farmers and farm managers	1,413	1,358	1,303	1,229	88	110	20	17	2	2
Farm laborers and supervisors	1,019	988	589	602	209	220	184	145	37	21
Paid workers	807	801	567	582	86	106	132	95	22	18
Unpaid family workers	212	187	22	21	123	114	52	49	15	3

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
TOTAL						
Total, 16 years and over (thousands)	91,053	94,436	53,608	55,057	37,445	39,378
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.1	51.2	41.9	41.6	64.3	64.6
Professional and technical	15.6	15.8	15.1	15.3	16.2	16.4
Managers and administrators, except farm	11.0	10.9	14.4	14.2	6.1	6.3
Sales workers	6.3	6.2	5.8	6.0	6.9	6.6
Clerical workers	18.2	18.3	6.5	6.1	35.0	35.3
Blue-collar workers	32.5	33.0	45.3	46.1	14.2	14.7
Craft and kindred workers	12.9	13.2	20.8	21.4	1.6	1.8
Operatives, except transport	11.4	11.4	11.9	11.9	10.8	10.8
Transport equipment operatives	3.7	3.8	5.8	6.0	.7	.8
Nonfarm laborers	4.4	4.5	6.8	6.9	1.1	1.3
Service workers	13.7	13.3	8.9	8.7	20.6	19.8
Private household workers	1.3	1.1	.1	(1)	3.0	2.6
Other service workers	12.4	12.2	8.8	8.7	17.6	17.2
Farm workers	2.7	2.5	3.9	3.6	.9	.9
Farmers and farm managers	1.6	1.4	2.5	2.3	.2	.3
Farm laborers and supervisors	1.1	1.0	1.4	1.4	.7	.6
White						
Total, 16 years and over (thousands)	81,061	83,950	46,307	49,518	32,754	34,432
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.8	52.9	43.4	43.2	66.7	66.9
Professional and technical	16.0	16.2	15.7	15.8	16.4	16.7
Managers and administrators, except farm	11.8	11.7	15.3	15.1	6.6	6.8
Sales workers	6.7	6.7	6.2	6.4	7.5	7.1
Clerical workers	18.3	18.4	6.3	5.9	36.2	36.3
Blue-collar workers	32.1	32.6	44.6	45.5	13.7	14.2
Craft and kindred workers	13.5	13.8	21.5	22.0	1.6	1.9
Operatives, except transport	11.0	11.0	11.5	11.5	10.2	10.3
Transport equipment operatives	3.6	3.7	5.5	5.7	.7	.8
Nonfarm laborers	4.0	4.2	6.0	6.3	1.1	1.2
Service workers	12.4	11.9	8.1	7.7	18.7	18.0
Private household workers	1.0	.8	.1	(1)	2.3	2.0
Other service workers	11.4	11.1	8.0	7.7	16.4	16.0
Farm workers	2.7	2.5	3.9	3.6	.9	.9
Farmers and farm managers	1.7	1.6	2.7	2.4	.3	.3
Farm laborers and supervisors	1.0	1.0	1.3	1.2	.7	.6
Black and other						
Total, 16 years and over (thousands)	9,992	10,486	5,301	5,539	4,691	4,947
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	37.2	37.5	27.9	27.1	47.7	49.0
Professional and technical	12.1	12.4	10.2	10.2	14.3	14.8
Managers and administrators, except farm	5.0	4.8	6.7	6.7	3.0	2.8
Sales workers	2.8	2.9	2.6	2.2	3.0	3.6
Clerical workers	17.3	17.4	8.4	8.1	27.3	27.8
Blue-collar workers	35.9	35.9	52.3	51.9	17.4	17.9
Craft and kindred workers	8.2	8.8	14.4	15.6	1.3	1.2
Operatives, except transport	15.0	15.1	15.3	15.7	14.6	14.4
Transport equipment operatives	4.8	4.6	8.7	8.3	.5	.5
Nonfarm laborers	7.9	7.4	13.9	12.3	1.1	1.8
Service workers	24.7	24.5	16.2	17.5	34.3	32.5
Private household workers	3.9	3.5	.2	.1	8.0	7.4
Other service workers	20.8	21.0	16.0	17.4	26.3	25.1
Farm workers	2.2	2.1	3.6	3.5	.6	.6
Farmers and farm managers	.5	.4	.8	.6	.1	.1
Farm laborers and supervisors	1.8	1.7	2.8	2.9	.5	.5

¹ Less than 0.05 percent.

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

[In thousands]

Age and sex	January 1979								
	Nonegricultural 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	84,857	1,169	15,430	68,258	6,372	444	1,122	1,446	194
16 to 19 years	7,010	241	492	6,277	98	25	151	25	52
18 to 17 years	2,723	170	174	2,379	47	12	74	14	30
18 to 19 years	4,287	71	318	3,898	50	13	77	10	22
20 to 24 years	12,765	78	1,526	11,162	310	19	186	78	23
25 to 34 years	22,696	123	4,386	18,187	1,459	89	277	263	28
35 to 44 years	16,131	145	3,464	12,522	1,470	116	188	250	21
45 to 54 years	14,423	202	3,136	11,084	1,412	116	142	301	35
55 to 64 years	9,771	228	2,090	7,453	1,085	57	117	308	26
55 to 59 years	6,116	120	1,335	4,662	624	35	72	168	16
60 to 64 years	3,655	109	755	2,791	461	22	45	140	10
65 years and over	2,062	152	335	1,574	539	22	61	222	8
Males, 16 years and over	48,252	98	7,634	40,520	4,494	34	893	1,314	70
16 to 19 years	3,559	43	203	3,313	62	17	120	24	49
18 to 17 years	1,377	35	76	1,266	27	10	55	13	27
18 to 19 years	2,181	8	127	2,047	34	7	65	11	22
20 to 24 years	6,753	9	593	6,151	217	2	147	75	16
25 to 34 years	13,239	4	2,143	11,091	997	7	217	241	2
35 to 44 years	9,360	9	1,774	7,577	1,041	1	158	215	1
45 to 54 years	8,379	10	1,623	6,746	1,023	2	98	275	1
55 to 64 years	5,781	16	1,101	4,664	779	1	100	281	--
55 to 59 years	3,587	7	706	2,874	476	2	60	150	--
60 to 64 years	2,194	9	395	1,790	303	--	40	131	--
65 years and over	1,181	6	197	978	376	3	53	203	1
Females, 16 years and over	36,605	1,071	7,796	27,738	1,878	410	229	132	124
16 to 19 years	3,451	198	289	2,964	36	8	31	1	3
18 to 17 years	1,345	135	98	1,113	20	2	20	1	3
18 to 19 years	2,106	63	191	1,851	16	6	11	--	--
20 to 24 years	6,012	69	933	5,010	93	17	40	2	7
25 to 34 years	9,457	119	2,243	7,095	463	82	59	22	27
35 to 44 years	6,771	136	1,690	4,945	429	115	30	35	21
45 to 54 years	6,043	192	1,513	4,338	389	114	43	26	34
55 to 64 years	3,989	212	989	2,789	306	56	17	27	26
55 to 59 years	2,529	113	628	1,788	149	33	13	18	16
60 to 64 years	1,460	99	360	1,001	158	23	5	9	10
65 years and over	881	146	138	597	162	19	8	15	7

A-24. Employed persons by industry and occupation

[In thousands]

Industry	January 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:	2,762	47	30	9	63	45	15	27	167	--	12	2,347
Agriculture	863	141	72	6	109	222	230	51	24	--	10	--
Mining	5,663	173	675	21	411	3,139	278	169	771	--	26	--
Construction	21,822	2,258	1,522	492	2,499	4,337	8,480	780	1,047	--	407	--
Manufacturing	13,243	1,462	894	184	1,405	2,888	5,117	403	642	--	248	--
Durable goods	8,579	796	627	309	1,094	1,449	3,363	377	405	--	159	--
Non-durable goods	4,664	666	267	85	311	1,439	1,754	403	237	--	89	--
Transportation and public utilities	6,319	531	567	47	1,439	1,405	134	1,533	439	--	224	--
Wholesale and retail trade	19,308	404	3,733	3,932	3,416	1,518	950	760	1,247	--	3,349	--
Wholesale trade	3,770	151	754	899	753	365	182	378	245	--	43	--
Retail trade	15,539	252	2,979	3,033	2,663	1,153	768	382	1,001	--	3,306	--
Finance, insurance, and real estate	5,661	267	1,151	1,225	2,583	109	14	9	65	--	239	--
Services	27,124	10,119	1,934	156	4,952	1,409	674	217	411	1,053	6,198	--
Private households	1,218	15	--	--	11	5	3	5	77	1,053	49	--
Other service industries	25,906	10,104	1,934	156	4,941	1,404	671	212	334	--	6,149	--
Public administration	4,912	936	628	5	1,783	287	29	59	122	--	1,063	--

HOUSEHOLD DATA

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

(In thousands)

Reason not working	All Industries		Nonagricultural Industries					
			Total		Wage and salary workers ¹			
	Jan. 1978				Jan. 1979		Paid absences ²		Unpaid absences^{2}
			Jan. 1978	Jan. 1979			Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979
Total, 16 years and over	5,046	4,608	4,777	4,366	1,606	1,423	2,386	2,217
Vacation	1,187	1,311	1,159	1,283	647	673	374	457
Illness	1,868	1,478	1,822	1,432	735	531	896	750
Bad weather	980	915	841	784	--	--	--	--
Industrial dispute	164	52	161	52	--	--	--	--
All other reasons	848	852	794	816	224	218	1,116	1,010
Males, 16 year and over	3,099	2,739	2,848	2,518	1,044	878	1,307	1,189
Vacation	711	773	684	747	464	449	144	217
Illness	1,052	827	1,009	790	462	309	445	397
All other reasons ³	1,336	1,139	1,155	981	119	119	718	576
Females, 16 years and over	1,947	1,869	1,929	1,848	563	543	1,079	1,026
Vacation	476	538	475	536	184	223	230	239
Illness	816	651	813	642	273	222	451	353
All other reasons ³	654	679	641	670	105	98	398	434

¹ Excludes private household.

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

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

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

Hours of work	January 1979					
	Thousands of persons			Percent distribution		
	All Industries	Nonagricultural industries	Agriculture	All Industries	Nonagricultural industries	Agriculture
Total, 16 years and over	89,828	87,307	2,521	100.0	100.0	100.0
1-34 hours	22,382	21,489	894	24.9	24.6	35.5
1-4 hours	821	770	51	.9	.9	2.0
5-14 hours	4,272	4,042	230	4.8	4.6	9.1
15-29 hours	11,129	10,661	468	12.4	12.2	18.6
30-34 hours	6,160	6,016	145	6.9	6.9	5.8
35 hours and over	67,446	65,820	1,627	75.1	75.4	64.5
35-39 hours	6,599	6,447	152	7.3	7.4	6.0
40 hours	36,984	36,573	412	41.2	41.9	16.3
41 hours and over	23,863	22,800	1,063	26.6	26.1	42.2
41 to 48 hours	10,049	9,831	218	11.2	11.3	8.6
49 to 59 hours	8,050	7,749	301	9.0	8.9	11.9
60 hours and over	5,764	5,220	544	6.4	6.0	21.6
Average hours, total at work	38.4	38.3	40.9	--	--	--
Average hours, workers on full-time schedules	42.6	42.5	47.4	--	--	--

HOUSEHOLD DATA

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	January 1979					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 18 years and over	22,382	7,782	14,600	21,489	7,324	14,165
Economic reasons	3,203	1,414	1,789	3,034	1,294	1,740
Sleek work	1,621	1,072	549	1,481	960	521
Material shortages or repairs to plant and equipment	70	70	--	68	68	--
New job started during week	171	171	--	166	166	--
Job terminated during week	100	100	--	99	99	--
Could find only part-time work	1,239	--	1,239	1,218	--	1,218
Other reasons	19,179	6,367	12,812	18,455	6,030	12,425
Does not want, or unavailable for, full-time work	10,596	--	10,596	10,325	--	10,325
Vacation	610	610	--	595	595	--
Illness	2,288	2,153	135	2,244	2,129	115
Bad weather	2,030	2,030	--	1,774	1,774	--
Industrial dispute	5	5	--	5	5	--
Legal or religious holiday	129	129	--	129	129	--
Full time for this job	1,453	--	1,453	1,413	--	1,413
All other reasons	2,068	1,440	628	1,968	1,396	572
Average hours:						
Economic reasons	21.0	22.7	19.7	21.2	23.1	19.7
Other reasons	20.9	25.7	18.5	20.9	25.9	18.5
Worked 30 to 34 hours:						
Economic reasons	833	499	334	805	473	332
Other reasons	5,327	3,196	2,131	5,211	3,123	2,088

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

[Numbers in thousands]

Industry	January 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				40 hours or less	41 to 48 hours	49 hours or more				
Total, 18 years and over ¹	87,307	3,034	12,425	71,848	49,048	9,831	12,969	38.3	42.5	
Wage and salary workers	81,144	2,649	11,349	67,146	46,868	9,285	10,993	38.2	42.1	
Construction	4,121	179	214	3,728	2,892	361	475	37.3	39.3	
Manufacturing	20,672	459	675	19,538	13,405	3,374	2,759	41.0	42.1	
Durable goods	12,554	156	273	12,125	8,180	2,235	1,710	41.5	42.2	
Nondurable goods	8,118	303	403	7,412	5,224	1,139	1,049	40.1	41.9	
Transportation and public utilities	5,721	145	410	5,166	3,469	715	982	40.9	43.2	
Wholesale and retail trade	16,639	875	4,272	11,492	7,195	1,805	2,492	35.9	43.3	
Finance, insurance, and real estate	5,137	70	576	4,491	3,299	566	626	38.6	41.3	
Service industries	23,318	866	4,945	17,507	12,711	1,882	2,914	36.1	41.9	
Private households	1,095	138	589	368	277	30	61	23.5	42.6	
All other industries	22,223	728	4,356	17,139	12,434	1,852	2,853	36.7	41.9	
Public administration	4,744	39	249	4,456	3,445	449	562	40.1	41.4	
Self-employed workers	5,719	372	897	4,450	2,032	515	1,903	40.9	47.7	
Unpaid family workers	444	13	179	252	148	31	73	35.1	45.2	

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	January 1979							
	Total at work	On part time for economic reasons	On voluntary part time	Hours per week			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	87,307	3,034	12,425	71,848	49,048	22,800	38.3	42.5
16 to 21 years	11,565	708	4,402	6,455	5,073	1,382	29.9	40.1
16 to 19 years	6,803	406	3,574	2,823	2,239	584	26.0	39.6
16 to 17 years	2,656	101	2,227	328	270	58	17.7	37.6
18 to 19 years	4,146	305	1,346	2,495	1,970	525	31.3	39.9
20 years and over	80,504	2,628	8,852	69,024	46,808	22,216	39.4	42.6
20 to 24 years	12,544	637	1,636	10,271	7,584	2,687	37.3	41.2
25 years and over	67,960	1,990	7,216	58,754	39,225	19,529	39.7	42.8
25 to 44 years	40,177	1,130	3,699	35,348	23,099	12,249	40.3	43.0
45 to 64 years	25,392	744	2,355	22,293	15,303	6,990	39.9	42.6
65 years and over	2,391	115	1,163	1,113	823	290	28.2	41.2
Males, 16 years and over	50,262	1,237	3,777	45,248	27,516	17,732	41.4	43.9
16 to 21 years	5,928	337	2,088	3,503	2,546	957	31.3	41.0
16 to 19 years	3,465	190	1,722	1,553	1,156	397	27.4	40.4
16 to 17 years	1,354	57	1,101	196	162	34	18.7	37.4
18 to 19 years	2,111	133	621	1,357	995	362	32.9	40.8
20 years and over	46,796	1,046	2,055	43,695	26,359	17,336	42.4	44.0
20 to 24 years	6,635	280	676	5,679	3,766	1,913	39.1	42.3
25 years and over	40,161	766	1,378	38,017	22,594	15,423	43.0	44.3
25 to 44 years	23,670	445	404	22,821	13,193	9,628	43.7	44.5
45 to 64 years	15,086	267	347	14,472	8,888	5,584	43.1	44.0
65 years and over	1,406	55	628	723	512	211	29.6	41.7
Females, 16 years and over	37,045	1,797	8,648	26,600	21,532	5,068	34.2	40.1
16 to 21 years	5,637	371	2,314	2,952	2,526	426	28.5	39.1
16 to 19 years	3,337	216	1,851	1,270	1,082	188	24.6	38.7
16 to 17 years	1,302	44	1,126	132	108	24	16.7	37.8
18 to 19 years	2,035	172	725	1,136	975	163	29.7	38.8
20 years and over	33,708	1,580	6,797	25,331	20,451	4,880	35.1	40.1
20 to 24 years	5,909	357	960	4,592	3,819	773	35.4	39.7
25 years and over	27,799	1,224	5,836	20,739	16,631	4,108	35.1	40.2
25 to 44 years	16,507	686	3,295	12,526	9,905	2,621	35.5	40.3
45 to 64 years	10,307	478	2,008	7,821	6,414	1,407	35.3	40.2
65 years and over	985	60	534	391	311	80	26.3	40.3
RACE								
White	77,633	2,553	11,296	63,784	42,488	21,296	38.5	42.7
Males	45,238	1,043	3,394	40,801	24,154	16,647	41.7	44.1
Females	32,394	1,511	7,902	22,981	18,333	4,648	34.1	40.2
Black and other	9,674	480	1,129	8,065	6,562	1,503	36.9	40.5
Males	5,024	194	383	4,447	3,363	1,084	38.9	41.6
Females	4,651	286	746	3,619	3,200	419	34.8	39.2
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	35,480	571	1,104	33,805	19,802	14,003	43.2	44.4
Widowed, divorced, or separated	3,781	135	183	3,463	2,113	1,350	41.5	43.9
Single (never married)	11,000	531	2,491	7,978	5,598	2,380	35.3	41.8
Females, 16 years and over:								
Married, spouse present	20,912	944	5,064	14,904	12,171	2,733	34.2	40.0
Widowed, divorced, or separated	7,008	390	1,002	5,616	4,455	1,161	36.2	40.2
Single (never married)	9,125	462	2,582	6,081	4,908	1,173	32.5	40.1

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

[Numbers in thousands]

Occupational group and sex	January 1979								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hour, workers on full- time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	87,675	3,058	12,500	72,117	49,215	9,863	13,039	36.3	38.9
White-collar workers	46,459	1,069	6,557	38,833	25,785	5,015	8,033	39.1	43.0
Professional and technical	14,289	283	1,650	12,356	7,991	1,623	2,742	40.0	43.3
Managers and administrators, except farm	9,910	97	390	9,423	4,601	1,457	3,365	45.4	46.7
Sales workers	5,605	249	1,428	3,928	2,389	501	1,038	35.8	43.3
Clerical workers	16,655	439	3,089	13,127	10,806	1,433	888	35.7	39.9
Blue-collar workers	29,286	1,152	2,066	26,068	17,966	4,122	3,980	39.4	41.9
Craft and kindred workers	11,694	323	398	10,973	7,253	1,809	1,911	40.8	42.2
Operatives, except transport	10,262	453	576	9,233	6,787	1,459	987	39.2	41.2
Transport equipment operatives	3,358	134	340	2,884	1,653	471	760	40.9	44.5
Nonfarm laborers	3,973	241	752	2,980	2,276	383	321	34.6	40.1
Service workers	11,930	837	3,877	7,216	5,464	726	1,026	32.5	41.8
Private household	987	118	548	321	236	31	54	23.4	42.4
Other service workers	10,944	719	3,329	6,896	5,229	695	972	33.3	41.7
Males, 16 years and over	50,505	1,255	3,801	45,449	27,630	6,989	10,830	41.4	40.6
White-collar workers	22,096	264	1,344	20,488	11,059	2,995	6,434	43.6	45.5
Professional and technical	8,106	89	476	7,541	4,394	1,009	2,138	43.1	44.9
Managers and administrators, except farm	7,561	64	161	7,336	3,230	1,142	2,964	46.9	47.7
Sales workers	3,188	54	369	2,765	1,447	397	921	41.3	44.9
Clerical workers	3,242	56	338	2,848	1,991	447	410	39.1	41.9
Blue-collar workers	23,857	753	1,444	21,660	14,314	3,597	3,749	40.2	42.4
Craft and kindred workers	11,032	291	308	10,433	6,834	1,732	1,867	41.1	42.3
Operatives, except transport	6,262	152	294	5,816	3,893	1,080	843	40.8	42.3
Transport equipment operatives	3,058	99	207	2,752	1,500	447	739	42.1	44.6
Nonfarm laborers	3,505	213	635	2,657	2,017	339	301	34.9	40.2
Service workers	4,552	238	1,013	3,301	2,257	397	647	36.7	43.7
Private household	15	2	8	5	2	1	2	31.0	62.9
Other service workers	4,537	235	1,005	3,297	2,256	396	645	36.7	43.7
Females, 16 years and over	37,170	1,804	8,699	26,667	21,581	2,874	2,212	34.2	36.1
White-collar workers	24,363	805	5,213	18,345	14,725	2,020	1,600	35.1	40.2
Professional and technical	6,183	192	1,174	4,817	3,599	615	603	35.9	40.7
Managers and administrators, except farm	2,349	34	229	2,086	1,371	315	400	40.7	43.2
Sales workers	2,417	195	1,059	1,163	941	104	118	28.4	39.6
Clerical workers	13,414	384	2,751	10,279	8,815	986	478	34.9	39.4
Blue-collar workers	5,429	399	622	4,408	3,651	525	232	35.9	39.5
Craft and kindred workers	662	32	90	540	419	77	44	36.8	40.5
Operatives, except transport	3,999	301	283	3,415	2,891	380	144	36.8	39.3
Transport equipment operatives	300	36	133	131	85	24	22	28.4	42.5
Nonfarm laborers	467	28	117	322	257	44	21	32.5	38.7
Service workers	7,378	600	2,864	3,914	3,205	329	380	29.8	40.1
Private household	971	116	541	314	231	31	52	23.3	42.1
Other service workers	6,407	484	2,323	3,600	2,974	299	327	30.8	40.0

HOUSEHOLD DATA

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

(Numbers in thousands)

Employment status	January 1979								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,044	4,094	3,950	6,732	3,435	3,297	1,312	660	653
Civilian labor force	1,310	694	616	1,220	638	581	90	56	34
Employed	1,154	592	562	1,109	564	545	45	28	17
Agriculture	86	69	17	86	69	17	--	--	--
Nonagricultural industries	1,069	523	545	1,024	495	528	45	28	17
Unemployed	156	102	54	110	74	36	45	28	18
Unemployment rate	11.9	14.7	8.8	9.0	11.6	6.2	50.0	(1)	(1)
Not in labor force	6,734	3,400	3,334	5,512	2,796	2,716	1,222	604	618
Keeping house	41	7	35	38	5	33	4	2	2
Going to school	6,500	3,296	3,205	5,315	2,713	2,602	1,186	583	603
Unable to work	4	3	2	3	2	2	1	1	--
All other reasons	188	95	93	156	77	80	32	19	14

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	January 1979					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,154	592	562	100.0	100.0	100.0
Nonagricultural industries	1,069	523	545	92.6	88.2	97.0
Wage and salary workers	965	444	522	83.5	74.9	92.9
Private household workers	375	55	320	32.5	9.3	56.9
Government workers	45	24	22	3.9	4.0	3.9
Other wage and salary workers	545	365	180	47.2	61.6	32.0
Self-employed workers	96	75	20	8.3	12.6	3.6
Unpaid family workers	8	5	3	.7	.8	.5
Agriculture	86	69	17	7.4	11.6	3.0
Wage and salary workers	48	40	7	4.2	6.7	1.2
Self-employed workers	6	6	1	.5	1.0	.2
Unpaid family workers	32	23	9	2.8	3.9	1.6
OCCUPATION						
Total	1,154	592	562	100.0	100.0	100.0
White-collar workers	310	209	101	26.8	35.2	17.9
Professional and technical	11	10	1	1.0	1.7	.2
Managers and administrators, except farm	--	--	--	--	--	--
Sales workers	233	176	57	20.2	29.6	10.1
Clerical workers	66	24	42	5.7	4.0	7.5
Blue-collar workers	151	137	15	13.1	23.1	2.7
Craft and kindred workers	10	10	--	.9	1.7	--
Operatives, except transport	34	30	5	2.9	5.1	.9
Transport equipment operatives	7	6	1	.6	1.0	.2
Nonfarm laborers	101	91	10	8.7	15.3	1.8
Service workers	611	179	432	52.9	30.1	76.7
Private household workers	336	22	314	29.1	3.7	55.8
Other service workers	275	157	118	23.8	26.4	21.0
Farm workers	82	67	15	7.1	11.3	2.7
Farmers and farm managers	5	5	1	.4	.8	.2
Farm laborers and supervisors	77	63	14	6.7	10.6	2.5

**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
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
TOTAL													
Total noninstitutional population ¹	159,937	160,128	160,313	160,504	160,713	160,928	161,148	161,348	161,570	161,829	162,033	162,250	162,448
Armed Forces ¹	2,121	2,124	2,122	2,118	2,113	2,098	2,116	2,122	2,123	2,122	2,117	2,108	2,094
Civilian noninstitutional population ¹	157,816	158,004	158,190	158,386	158,601	158,830	159,032	159,226	159,447	159,707	159,916	160,142	160,353
Civilian labor force	99,215	99,139	99,435	99,767	100,109	100,504	100,622	100,663	100,974	101,077	101,628	101,867	102,183
Percent of civilian population	62.9	62.7	62.9	63.0	63.1	63.3	63.3	63.2	63.3	63.3	63.6	63.6	63.7
Employed	92,923	93,047	93,282	93,704	93,953	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300
Percent of total population	58.1	58.1	58.2	58.4	58.5	58.8	58.6	58.7	58.8	58.9	59.1	59.1	59.3
Agriculture	3,363	3,280	3,334	3,274	3,243	3,424	3,377	3,351	3,406	3,374	3,275	3,387	3,232
Nonagricultural industries	89,560	89,767	89,948	90,430	90,710	91,216	91,069	91,372	91,604	91,867	92,476	92,468	93,068
Unemployed	6,292	6,092	6,153	6,063	6,156	5,864	6,176	5,940	5,964	5,836	5,877	6,012	5,883
Unemployment rate	6.3	6.1	6.2	6.1	6.1	5.8	6.1	5.9	5.9	5.8	5.8	5.9	5.8
Not in labor force	58,601	58,865	58,755	58,619	58,492	58,326	58,410	58,563	58,473	58,630	58,288	58,275	58,170
Males, 20 years and over													
Total noninstitutional population ¹	68,148	68,240	68,327	68,419	68,519	68,623	68,729	68,827	68,937	69,081	69,182	69,268	69,385
Civilian noninstitutional population ¹	66,467	66,556	66,645	66,740	66,845	66,947	67,039	67,127	67,216	67,302	67,486	67,600	67,726
Civilian labor force	53,169	53,161	53,235	53,276	53,383	53,449	53,401	53,396	53,459	53,593	53,938	54,033	54,333
Percent of civilian population	80.0	79.9	79.9	79.8	79.9	79.8	79.7	79.5	79.5	79.5	79.9	79.9	80.2
Employed	50,705	50,785	50,841	50,997	51,119	51,337	51,214	51,215	51,287	51,448	51,825	51,838	52,133
Percent of total population	74.4	74.4	74.4	74.5	74.6	74.8	74.5	74.4	74.4	74.5	74.9	74.8	75.1
Agriculture	2,389	2,310	2,320	2,309	2,324	2,406	2,396	2,357	2,409	2,363	2,337	2,403	2,293
Nonagricultural industries	48,316	48,475	48,521	48,688	48,795	48,931	48,818	48,858	48,878	49,085	49,488	49,435	49,841
Unemployed	2,464	2,376	2,394	2,279	2,264	2,112	2,187	2,181	2,172	2,145	2,113	2,195	2,200
Unemployment rate	4.6	4.5	4.5	4.3	4.2	4.0	4.1	4.1	4.1	4.0	3.9	4.1	4.0
Not in labor force	13,298	13,395	13,410	13,464	13,462	13,498	13,638	13,731	13,777	13,789	13,548	13,567	13,393
Females, 20 years and over													
Total noninstitutional population ¹	74,991	75,095	75,196	75,300	75,412	75,527	75,643	75,753	75,873	75,998	76,110	76,227	76,337
Civilian noninstitutional population ¹	74,892	74,996	75,093	75,198	75,310	75,422	75,537	75,645	75,764	75,889	76,001	76,119	76,228
Civilian labor force	36,646	36,652	36,847	37,085	37,208	37,392	37,573	37,543	37,921	37,860	38,095	38,217	38,185
Percent of civilian population	48.9	48.9	49.1	49.3	49.4	49.6	49.7	49.6	50.1	49.9	50.1	50.2	50.1
Employed	34,358	34,540	34,678	34,874	34,886	35,098	35,160	35,312	35,691	35,726	35,887	35,990	36,019
Percent of total population	45.8	46.0	46.1	46.3	46.3	46.5	46.5	46.6	47.0	47.0	47.2	47.2	47.2
Agriculture	547	601	621	600	536	608	593	581	597	587	571	591	586
Nonagricultural industries	33,811	33,939	34,057	34,274	34,350	34,490	34,567	34,731	35,094	35,139	35,316	35,399	35,433
Unemployed	2,288	2,112	2,169	2,211	2,322	2,294	2,413	2,231	2,230	2,134	2,208	2,227	2,166
Unemployment rate	6.2	5.8	5.9	6.0	6.2	6.1	6.4	5.9	5.9	5.6	5.8	5.8	5.7
Not in labor force	38,246	38,344	38,246	38,113	38,102	38,030	37,964	38,102	37,843	38,029	37,906	37,902	38,043
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,798	16,794	16,790	16,785	16,782	16,779	16,776	16,768	16,760	16,750	16,741	16,734	16,725
Civilian noninstitutional population ¹	16,457	16,453	16,452	16,449	16,446	16,461	16,455	16,455	16,446	16,436	16,429	16,422	16,400
Civilian labor force	9,400	9,326	9,353	9,406	9,518	9,663	9,648	9,724	9,594	9,624	9,595	9,617	9,665
Percent of civilian population	57.1	56.7	56.9	57.2	57.9	58.7	58.6	59.1	58.3	58.6	58.4	58.6	58.9
Employed	7,860	7,722	7,763	7,833	7,948	8,205	8,072	8,196	8,032	8,067	8,039	8,027	8,148
Percent of total population	46.8	46.0	46.2	46.7	47.4	48.9	48.1	48.9	47.9	48.2	48.0	48.0	48.7
Agriculture	427	369	393	365	383	410	388	413	400	424	367	393	354
Nonagricultural industries	7,433	7,353	7,370	7,468	7,565	7,795	7,684	7,783	7,632	7,643	7,672	7,634	7,794
Unemployed	1,540	1,604	1,590	1,573	1,570	1,458	1,576	1,528	1,562	1,557	1,556	1,590	1,517
Unemployment rate	16.4	17.2	17.0	16.7	16.5	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7
Not in labor force	7,057	7,127	7,099	7,043	6,928	6,998	6,807	6,731	6,852	6,812	6,834	6,805	6,735

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	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
FULL TIME														
Total, 16 years and over:														
Civilian labor force	84,389	84,485	84,628	84,842	84,957	85,965	85,894	86,030	85,899	86,185	86,391	86,631	87,025	
Employed	79,440	79,649	79,850	80,166	80,175	81,436	81,004	81,389	81,247	81,680	81,900	82,034	82,525	
Unemployed	4,949	4,836	4,778	4,676	4,782	4,529	4,890	4,641	4,652	4,505	4,491	4,597	4,500	
Unemployment rate	5.9	5.7	5.6	5.5	5.6	5.3	5.7	5.4	5.4	5.2	5.2	5.3	5.2	
PART TIME														
Total, 16 years and over:														
Civilian labor force	14,805	14,712	14,782	14,880	15,106	14,506	14,749	14,720	14,952	14,996	15,150	15,205	15,196	
Employed	13,464	13,452	13,388	13,481	13,717	13,206	13,431	13,436	13,635	13,642	13,800	13,802	13,810	
Unemployed	1,341	1,260	1,394	1,399	1,389	1,300	1,318	1,284	1,317	1,354	1,350	1,403	1,385	
Unemployment rate	9.1	8.6	9.4	9.4	9.2	9.0	8.9	8.7	8.8	9.0	8.9	9.2	9.1	

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

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

(Numbers in thousands)

Characteristics	1978												1979	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	
WHITE														
Total, 16 years and over:														
Civilian labor force	87,474	87,423	87,554	87,902	88,168	88,626	88,503	88,655	88,862	89,067	89,468	89,747	90,093	
Employed	82,661	82,718	82,902	83,303	83,499	84,171	83,857	84,060	84,250	84,565	85,013	85,125	85,543	
Unemployed	4,813	4,705	4,652	4,599	4,669	4,455	4,646	4,595	4,612	4,502	4,455	4,622	4,550	
Unemployment rate	5.5	5.4	5.3	5.2	5.3	5.0	5.2	5.2	5.2	5.1	5.0	5.2	5.1	
Males, 20 years and over:														
Civilian labor force	47,468	47,492	47,525	47,577	47,668	47,810	47,710	47,707	47,684	47,791	48,103	48,202	48,466	
Employed	45,568	45,640	45,649	45,837	45,915	46,144	45,992	45,996	45,968	46,098	46,477	46,492	46,737	
Unemployed	1,900	1,852	1,876	1,740	1,753	1,666	1,718	1,711	1,716	1,693	1,626	1,710	1,729	
Unemployment rate	4.0	3.9	3.9	3.7	3.7	3.5	3.6	3.6	3.6	3.5	3.4	3.5	3.6	
Females, 20 years and over:														
Civilian labor force	31,612	31,619	31,701	31,955	32,055	32,214	32,343	32,265	32,602	32,677	32,809	32,981	32,978	
Employed	29,855	29,979	30,123	30,279	30,303	30,490	30,565	30,574	30,912	31,074	31,161	31,287	31,340	
Unemployed	1,757	1,640	1,578	1,676	1,752	1,724	1,778	1,691	1,690	1,603	1,648	1,694	1,638	
Unemployment rate	5.6	5.2	5.0	5.2	5.5	5.4	5.5	5.2	5.2	4.9	5.0	5.1	5.0	
Both sexes, 16 to 19 years:														
Civilian labor force	8,394	8,312	8,328	8,370	8,445	8,602	8,500	8,683	8,576	8,599	8,556	8,564	8,649	
Employed	7,238	7,099	7,130	7,187	7,281	7,537	7,400	7,490	7,370	7,393	7,375	7,346	7,466	
Unemployed	1,156	1,213	1,198	1,183	1,164	1,065	1,100	1,193	1,206	1,206	1,181	1,218	1,183	
Unemployment rate	13.8	14.6	14.4	14.1	13.8	12.4	13.6	13.7	14.1	14.0	13.8	14.2	13.7	
BLACK AND OTHER														
Total, 16 years and over:														
Civilian labor force	11,725	11,773	11,852	11,802	11,906	11,974	12,010	11,994	12,084	12,122	12,163	12,153	12,077	
Employed	10,226	10,369	10,372	10,391	10,437	10,537	10,533	10,616	10,721	10,749	10,746	10,758	10,725	
Unemployed	1,499	1,404	1,480	1,411	1,469	1,437	1,477	1,378	1,363	1,373	1,417	1,395	1,352	
Unemployment rate	12.8	11.9	12.5	12.0	12.3	12.0	12.3	11.5	11.3	11.3	11.7	11.5	11.2	
Males, 20 years and over:														
Civilian labor force	5,666	5,652	5,688	5,665	5,713	5,721	5,703	5,692	5,759	5,808	5,829	5,867	5,810	
Employed	5,120	5,154	5,189	5,158	5,208	5,250	5,228	5,195	5,286	5,327	5,345	5,376	5,356	
Unemployed	546	498	499	507	505	471	475	497	473	481	484	491	455	
Unemployment rate	9.6	8.8	8.8	8.9	8.8	8.2	8.3	8.7	8.2	8.3	8.3	8.4	7.8	
Females, 20 years and over:														
Civilian labor force	5,049	5,080	5,126	5,114	5,142	5,191	5,172	5,266	5,287	5,277	5,266	5,224	5,223	
Employed	4,489	4,571	4,546	4,572	4,580	4,615	4,580	4,722	4,759	4,743	4,723	4,691	4,667	
Unemployed	560	509	580	542	562	576	592	544	528	534	543	533	556	
Unemployment rate	11.1	10.0	11.3	10.6	10.9	11.1	11.4	10.3	10.0	10.1	10.3	10.2	10.6	
Both sexes, 16 to 19 years:														
Civilian labor force	1,010	1,041	1,038	1,023	1,051	1,062	1,135	1,036	1,038	1,037	1,068	1,062	1,044	
Employed	617	644	637	661	649	672	725	699	676	679	678	691	703	
Unemployed	393	397	401	362	402	390	410	337	362	358	390	371	341	
Unemployment rate	38.9	38.1	38.6	35.4	38.2	36.7	36.1	32.5	34.9	34.5	36.5	34.9	32.7	

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
CHARACTERISTICS													
Total (all civilian workers)	6.3	6.1	6.2	6.1	6.1	5.8	6.1	5.9	5.9	5.8	5.8	5.9	5.8
Males, 20 years and over	4.6	4.5	4.5	4.3	4.2	4.0	4.1	4.1	4.1	4.0	3.9	4.1	4.0
Females, 20 years and over	6.2	5.8	5.9	6.0	6.2	6.1	6.4	5.9	5.9	5.6	5.8	5.8	5.7
Both sexes, 16-19 years	16.4	17.2	17.0	16.7	16.5	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7
White	5.5	5.4	5.3	5.2	5.3	5.0	5.2	5.2	5.2	5.1	5.0	5.2	5.1
Black and other	12.8	11.9	12.5	12.0	12.3	12.0	12.3	11.5	11.3	11.3	11.7	11.5	11.2
Married men, spouse present	3.1	2.9	3.0	2.8	2.9	2.7	2.7	2.8	2.6	2.6	2.4	2.5	2.6
Married women, spouse present	5.7	5.3	5.2	5.1	6.0	5.6	5.5	5.6	5.5	5.5	5.5	5.6	5.3
Women who head families	8.2	7.7	8.7	10.1	9.3	8.8	9.8	8.0	8.0	7.5	7.7	7.7	7.8
Full-time workers	5.9	5.7	5.6	5.5	5.6	5.3	5.7	5.4	5.4	5.2	5.2	5.3	5.2
Part-time workers	9.1	8.6	9.4	9.4	9.2	9.0	8.9	8.7	8.8	9.0	8.9	9.2	9.1
Unemployed 15 weeks and over ¹	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.3	1.3	1.2	1.2	1.2
Labor force time lost ²	6.8	6.6	6.7	6.5	6.6	6.5	6.8	6.5	6.4	6.2	6.2	6.2	6.2
OCCUPATION													
White-collar workers	3.7	3.6	3.5	3.6	3.7	3.6	3.7	3.5	3.5	3.3	3.2	3.5	3.3
Professional and technical	2.7	2.5	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.8	2.4	3.0	2.5
Managers and administrators, except farm	2.5	1.9	2.2	2.0	2.1	1.9	2.2	1.9	2.2	1.8	2.2	1.9	2.0
Sales workers	3.9	4.4	4.4	4.3	4.5	4.4	4.3	4.1	4.3	4.1	3.1	3.6	3.8
Clerical workers	5.1	5.1	4.6	5.1	5.3	5.1	5.3	4.9	4.7	4.2	4.5	4.6	4.6
Blue-collar workers	7.3	7.2	7.2	6.7	6.7	6.6	6.7	6.9	6.8	6.8	6.4	6.8	6.4
Craft and kindred workers	5.3	5.0	5.0	4.4	4.4	4.3	4.0	4.5	4.7	4.9	4.0	4.7	4.5
Operatives, except transport	8.4	8.3	8.2	8.0	8.4	8.1	8.2	8.8	8.1	7.6	7.5	7.7	7.6
Transport equipment operatives	5.4	5.1	5.3	5.5	5.6	4.9	5.7	5.6	5.2	4.8	4.2	5.3	4.9
Nonfarm laborers	11.0	11.3	11.7	10.3	8.8	10.2	10.6	9.7	10.5	11.0	11.6	11.0	9.4
Service workers	7.6	7.2	7.7	7.7	7.6	7.2	7.4	7.1	7.4	7.1	7.4	7.7	7.9
Farm workers	3.9	4.1	4.5	3.2	3.6	3.2	3.9	3.6	3.9	4.6	3.2	3.4	2.8
INDUSTRY													
Nonagricultural private wage and salary workers ³	6.3	6.1	6.1	5.9	6.0	5.7	6.0	5.8	5.8	5.6	5.6	5.8	5.7
Construction	11.5	11.2	11.0	9.8	9.6	9.5	9.6	9.4	10.6	11.2	10.8	12.1	10.6
Manufacturing	5.7	5.8	5.6	5.4	5.7	5.6	5.5	5.6	5.3	5.1	5.1	5.0	5.0
Durable goods	5.3	5.1	5.0	4.5	5.1	4.9	5.0	5.4	4.8	4.6	4.6	4.4	4.4
Nondurable goods	6.3	6.7	6.4	6.5	6.5	6.6	6.3	5.8	6.1	6.0	5.8	6.0	5.9
Transportation	4.3	3.3	3.9	3.8	3.9	3.9	4.1	3.8	3.6	3.4	3.3	3.3	3.5
Wholesale and retail trade	7.2	7.2	7.3	7.1	6.9	6.4	6.8	6.5	6.7	6.7	6.5	6.8	6.5
Finance and service industries	5.4	5.2	5.2	5.2	5.2	4.8	5.4	5.2	5.1	4.6	5.0	5.1	5.1
Government workers	4.2	3.5	3.8	3.9	4.0	4.0	4.1	3.6	3.9	3.9	3.9	4.0	4.0
Agricultural wage and salary workers	9.0	9.7	9.7	7.9	7.9	8.4	9.6	8.7	8.7	9.5	7.9	7.7	7.2

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
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,742	2,649	2,789	2,747	2,862	2,772	2,967	2,795	2,783	2,719	2,833	2,876	2,713
5 to 14 weeks	1,903	1,880	1,909	1,856	1,842	1,908	1,873	1,895	1,861	1,789	1,774	1,979	1,877
15 weeks and over	1,641	1,559	1,488	1,486	1,404	1,266	1,314	1,234	1,268	1,317	1,196	1,208	1,251
15 to 26 weeks	838	894	787	809	723	674	668	625	663	732	685	726	728
27 weeks and over	803	665	701	677	681	592	646	609	605	585	511	482	523
Average (mean) duration, in weeks	13.0	12.6	12.4	12.4	12.2	12.0	11.8	11.4	11.5	11.8	11.0	10.7	11.2
Median duration, in weeks	6.5	7.1	6.2	5.9	5.3	6.0	6.0	6.0	5.9	5.9	5.4	5.6	5.9
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	43.6	43.5	45.1	45.1	46.9	46.6	48.2	47.2	47.1	46.7	48.8	47.4	46.4
5 to 14 weeks	30.3	30.9	30.9	30.5	30.2	32.1	30.4	32.0	31.5	30.7	30.6	32.6	32.1
15 weeks and over	26.1	25.6	24.1	24.4	23.0	21.3	21.4	20.8	21.4	22.6	20.6	19.9	21.4
15 to 26 weeks	13.3	14.7	12.7	13.3	11.8	11.3	10.9	10.6	11.2	12.6	11.8	12.0	12.5
27 weeks and over	12.8	10.9	11.3	11.1	11.1	10.0	10.5	10.3	10.2	10.0	8.8	7.9	9.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	6.3	6.1	6.2	6.1	6.1	5.8	6.1	5.9	5.9	5.8	5.6	5.9	5.8
16 to 19 years	16.4	17.2	17.0	16.7	16.5	15.1	16.3	15.7	16.3	16.2	16.2	16.5	15.7
16 to 17 years	18.7	20.5	20.1	19.6	19.1	17.1	20.0	18.6	19.2	19.2	19.3	20.2	18.4
18 to 19 years	14.6	14.9	15.0	14.4	14.6	13.4	13.9	13.5	14.0	14.0	14.0	13.8	13.6
20 to 24 years	10.5	10.1	10.2	10.0	9.1	9.4	9.9	9.0	9.3	8.6	9.0	9.3	8.6
25 years and over	4.3	4.0	4.0	4.0	4.2	3.9	4.1	4.1	4.0	3.9	3.6	3.9	3.9
25 to 54 years	4.4	4.2	4.3	4.2	4.5	4.1	4.3	4.3	4.1	4.2	4.0	4.2	4.2
55 years and over	3.5	3.3	3.2	3.2	3.3	3.2	3.2	3.0	3.3	3.0	2.9	2.9	2.9
Males, 16 years and over	5.6	5.5	5.6	5.3	5.2	4.8	5.1	5.0	5.1	5.1	5.0	5.1	5.1
16 to 19 years	15.6	16.9	16.7	16.3	15.3	13.7	15.4	14.8	15.5	16.1	15.9	16.7	16.1
16 to 17 years	18.1	20.8	20.2	19.5	18.4	16.8	18.6	17.7	19.1	19.9	20.1	20.7	19.1
18 to 19 years	13.6	14.1	14.1	13.4	13.1	12.0	13.0	12.5	12.6	13.2	12.7	13.6	13.5
20 to 24 years	10.4	10.1	10.0	9.3	8.0	8.4	8.9	8.8	8.6	8.5	8.5	8.9	8.4
25 years and over	3.6	3.4	3.5	3.4	3.5	3.1	3.3	3.3	3.3	3.3	3.1	3.2	3.2
25 to 54 years	3.6	3.5	3.6	3.4	3.5	3.2	3.3	3.5	3.4	3.4	3.2	3.4	3.3
55 years and over	3.3	3.2	3.2	3.3	3.3	3.1	3.4	2.9	3.0	2.8	2.5	2.6	2.8
Females, 16 years and over	7.4	7.0	7.1	7.2	7.5	7.3	7.6	7.1	7.1	6.8	6.9	6.9	6.7
16 to 19 years	17.3	17.6	17.4	17.2	17.8	16.6	17.4	16.8	17.1	16.3	16.5	16.3	15.3
16 to 17 years	19.5	20.1	19.9	19.7	20.0	17.6	21.6	19.7	19.4	18.4	18.3	19.6	17.5
18 to 19 years	15.8	15.8	15.9	15.5	16.2	15.0	14.8	14.6	15.6	14.8	15.5	14.1	13.6
20 to 24 years	10.5	10.0	10.4	10.8	10.5	10.5	11.0	9.2	10.1	8.7	9.6	9.7	8.9
25 years and over	5.3	4.8	4.9	4.9	5.4	5.1	5.4	5.2	4.9	4.9	4.9	5.0	5.0
25 to 54 years	5.6	5.2	5.3	5.3	5.9	5.6	5.8	5.6	5.2	5.2	5.2	5.3	5.4
55 years and over	3.9	3.3	3.2	3.1	3.2	3.2	2.9	3.2	3.8	3.3	3.5	3.3	3.1

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

[Numbers in thousands]

Reason for unemployment	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,711	2,589	2,562	2,556	2,614	2,379	2,536	2,459	2,362	2,456	2,372	2,442	2,454
On layoff	742	719	691	637	701	636	696	700	683	644	746	715	753
Other job losers	1,969	1,870	1,871	1,919	1,913	1,743	1,840	1,759	1,679	1,812	1,626	1,727	1,701
Job leavers	861	896	858	877	828	853	855	840	849	812	825	871	927
Reentrants	1,812	1,802	1,878	1,750	1,793	1,785	1,870	1,743	1,930	1,721	1,754	1,937	1,692
New entrants	915	880	912	905	892	816	871	875	816	825	872	826	823
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	43.0	42.0	41.3	42.0	42.7	40.8	41.4	41.6	39.7	42.2	40.7	40.2	41.6
On layoff	11.8	11.7	11.1	10.5	11.4	10.9	11.4	11.8	11.5	11.1	12.8	11.8	12.8
Other job losers	31.3	30.3	30.1	31.5	31.2	29.9	30.0	29.7	28.2	31.2	27.9	28.4	28.9
Job leavers	13.7	14.5	13.8	14.4	13.5	14.6	13.9	14.2	14.3	14.0	14.2	14.3	15.7
Reentrants	28.8	29.2	30.2	28.7	29.3	30.6	30.5	29.5	32.4	29.6	30.1	31.9	28.7
New entrants	14.5	14.3	14.7	14.9	14.6	14.0	14.2	14.8	13.7	14.2	15.0	13.6	14.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.7	2.6	2.6	2.6	2.6	2.4	2.5	2.4	2.3	2.4	2.3	2.4	2.4
Job leavers .....	.9	.9	.9	.9	.8	.8	.8	.8	.8	.8	.8	.9	.9
Reentrants	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.7	1.9	1.7	1.7	1.9	1.7
New entrants .....	.9	.9	.9	.9	.9	.8	.9	.9	.8	.8	.9	.8	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	92,923	93,047	93,282	93,704	93,953	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300
16 to 19 years	7,860	7,722	7,763	7,833	7,948	8,205	8,072	8,196	8,032	8,067	8,039	8,027	8,148
16 to 17 years	3,215	3,158	3,145	3,222	3,282	3,365	3,287	3,370	3,293	3,308	3,276	3,300	3,354
18 to 19 years	4,661	4,605	4,601	4,643	4,665	4,789	4,736	4,814	4,749	4,773	4,783	4,730	4,835
20 to 24 years	13,196	13,193	13,222	13,385	13,432	13,532	13,483	13,626	13,666	13,773	13,701	13,760	13,859
25 years and over	71,875	72,142	72,276	72,497	72,557	72,879	72,922	72,761	73,332	73,530	73,976	74,070	74,299
25 to 54 years	57,906	58,126	58,261	58,395	58,378	58,645	58,789	58,750	59,191	59,329	59,630	59,781	59,903
55 years and over	13,965	14,016	14,014	14,107	14,107	14,239	14,148	14,114	14,124	14,137	14,340	14,327	14,394
Males, 16 years and over	54,992	54,943	55,042	55,184	55,372	55,766	55,531	55,580	55,594	55,754	56,096	56,072	56,449
16 to 19 years	4,287	4,158	4,201	4,187	4,253	4,429	4,317	4,365	4,307	4,306	4,271	4,234	4,316
16 to 17 years	1,785	1,723	1,759	1,738	1,778	1,831	1,766	1,810	1,775	1,751	1,734	1,744	1,795
18 to 19 years	2,506	2,463	2,448	2,481	2,455	2,558	2,520	2,562	2,549	2,558	2,559	2,494	2,541
20 to 24 years	7,159	7,139	7,200	7,306	7,348	7,371	7,304	7,378	7,378	7,432	7,478	7,443	7,541
25 years and over	43,554	43,641	43,622	43,699	43,772	43,934	43,894	43,807	43,950	44,026	44,340	44,411	44,589
25 to 54 years	34,937	34,949	34,957	35,019	35,046	35,121	35,183	35,087	35,237	35,261	35,481	35,560	35,709
55 years and over	8,629	8,676	8,676	8,676	8,702	8,801	8,721	8,719	8,711	8,760	8,867	8,872	8,896
Females, 16 years and over	37,931	38,104	38,240	38,520	38,581	38,874	38,915	39,143	39,416	39,487	39,655	39,783	39,851
16 to 19 years	3,573	3,564	3,562	3,646	3,695	3,776	3,755	3,831	3,725	3,761	3,768	3,793	3,832
16 to 17 years	1,430	1,435	1,386	1,484	1,504	1,534	1,521	1,560	1,518	1,557	1,542	1,556	1,559
18 to 19 years	2,155	2,142	2,153	2,162	2,210	2,231	2,216	2,252	2,200	2,215	2,224	2,236	2,294
20 to 24 years	6,037	6,054	6,022	6,079	6,084	6,161	6,179	6,248	6,288	6,341	6,223	6,317	6,318
25 years and over	28,321	28,501	28,654	28,798	28,785	28,945	29,028	28,954	29,382	29,504	29,636	29,659	29,710
25 to 54 years	22,969	23,177	23,304	23,376	23,332	23,524	23,606	23,663	23,954	24,068	24,149	24,221	24,194
55 years and over	5,336	5,340	5,338	5,431	5,405	5,438	5,427	5,395	5,413	5,377	5,473	5,455	5,498

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

[In thousands]

Sex and age	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	6,292	6,092	6,153	6,063	6,156	5,864	6,176	5,940	5,964	5,836	5,877	6,012	5,883
16 to 19 years	1,540	1,604	1,590	1,573	1,570	1,458	1,576	1,528	1,562	1,557	1,556	1,590	1,517
16 to 17 years	740	813	790	785	777	696	824	772	783	786	781	834	755
18 to 19 years	797	806	810	779	796	742	763	751	773	775	778	759	758
20 to 24 years	1,543	1,477	1,501	1,482	1,351	1,399	1,479	1,343	1,399	1,298	1,361	1,406	1,310
25 years and over	3,205	2,992	3,044	3,016	3,215	2,991	3,152	3,088	3,025	3,015	2,951	3,015	3,049
25 to 54 years	2,685	2,532	2,611	2,536	2,740	2,538	2,648	2,660	2,553	2,569	2,514	2,615	2,607
55 years and over	511	476	459	470	474	464	465	436	478	438	428	424	435
Males, 16 years and over	3,256	3,221	3,235	3,096	3,032	2,816	2,971	2,937	2,965	2,971	2,923	3,044	3,026
16 to 19 years	792	845	841	817	768	704	784	756	793	826	810	849	826
16 to 17 years	394	453	445	421	401	369	404	389	418	436	436	455	424
18 to 19 years	393	403	402	383	370	348	378	367	390	390	371	391	397
20 to 24 years	832	802	800	747	640	679	712	708	696	693	699	730	693
25 years and over	1,618	1,551	1,582	1,533	1,575	1,426	1,487	1,506	1,495	1,505	1,413	1,469	1,493
25 to 54 years	1,316	1,261	1,304	1,223	1,286	1,145	1,185	1,256	1,228	1,237	1,188	1,249	1,231
55 years and over	297	291	283	299	296	286	305	257	265	253	230	235	258
Females, 16 years and over	3,036	2,871	2,918	2,967	3,124	3,048	3,205	3,003	2,999	2,865	2,954	2,968	2,857
16 to 19 years	748	759	749	756	802	754	792	772	769	731	746	741	691
16 to 17 years	346	360	345	364	376	327	420	383	365	350	345	379	331
18 to 19 years	404	403	408	396	426	394	385	384	406	385	407	368	361
20 to 24 years	711	675	701	735	711	720	767	635	703	605	662	676	618
25 years and over	1,587	1,441	1,462	1,483	1,640	1,565	1,665	1,582	1,530	1,510	1,538	1,546	1,555
25 to 54 years	1,369	1,271	1,307	1,313	1,454	1,393	1,463	1,404	1,325	1,332	1,326	1,366	1,376
55 years and over	214	185	176	171	178	178	160	179	213	185	198	189	177

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Selected categories	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
CHARACTERISTICS													
Total, 16 years and over	92,923	93,047	93,282	93,704	93,953	94,640	94,446	94,723	95,010	95,241	95,751	95,855	96,300
Married men, spouse present	38,653	38,677	38,459	38,575	38,596	38,621	38,635	38,534	38,782	38,806	38,944	39,039	39,202
Married women, spouse present	21,567	21,704	21,672	21,713	21,694	21,749	21,837	21,737	22,133	22,194	22,274	22,297	22,410
OCCUPATION													
White-collar workers	46,481	46,582	46,763	46,795	46,885	47,225	47,276	47,325	47,550	47,713	47,888	48,040	48,275
Professional and technical	14,041	14,062	14,087	14,186	14,356	14,318	14,249	14,246	14,182	14,307	14,297	14,629	14,743
Managers and administrators, except farm	10,047	10,116	10,136	10,184	9,972	10,146	10,212	10,180	10,062	9,968	10,030	10,217	10,322
Sales workers	5,897	5,836	5,939	5,856	5,903	5,922	5,992	5,892	5,898	5,986	6,192	6,092	6,055
Clerical workers	16,496	16,568	16,601	16,569	16,654	16,839	16,823	17,007	17,408	17,452	17,369	17,102	17,154
Blue-collar workers	30,855	31,140	31,085	31,452	31,477	31,554	31,282	31,506	31,891	31,986	32,202	31,962	32,491
Craft and kindred workers	12,112	12,181	12,181	12,277	12,233	12,429	12,220	12,557	12,628	12,556	12,646	12,610	12,842
Operatives, except transport	10,649	10,690	10,741	10,875	10,798	10,924	10,877	10,741	10,981	11,178	11,177	10,887	11,047
Transport equipment operatives	3,449	3,631	3,529	3,539	3,508	3,501	3,487	3,429	3,573	3,581	3,640	3,640	3,678
Nonfarm laborers	4,645	4,638	4,634	4,761	4,938	4,700	4,698	4,779	4,709	4,671	4,739	4,825	4,924
Service workers	12,661	12,723	12,666	12,814	12,838	12,987	12,803	12,866	12,754	12,951	13,009	13,007	12,777
Farm workers	2,858	2,784	2,799	2,726	2,708	2,874	2,797	2,794	2,855	2,821	2,739	2,826	2,759
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,394	1,366	1,398	1,406	1,434	1,443	1,386	1,423	1,442	1,423	1,424	1,478	1,365
Self-employed workers	1,603	1,595	1,558	1,555	1,577	1,664	1,641	1,611	1,648	1,638	1,563	1,625	1,547
Unpaid family workers	338	322	382	295	250	328	340	319	307	323	293	318	253
Nonagricultural industries:													
Wage and salary workers	82,905	83,054	83,150	83,622	84,016	84,456	84,064	84,508	84,786	85,363	85,578	85,579	86,169
Government	15,275	15,253	15,213	15,324	15,238	15,255	15,184	15,275	15,336	15,387	15,373	15,360	15,217
Private industries	67,630	67,801	67,937	68,298	68,778	69,201	68,880	69,233	69,450	69,976	70,205	70,219	70,952
Private households	1,416	1,401	1,300	1,395	1,410	1,370	1,371	1,368	1,361	1,315	1,335	1,316	1,245
Other industries	66,214	66,400	66,637	66,903	67,368	67,831	67,509	67,865	68,089	68,661	68,870	68,903	69,707
Self-employed workers	6,238	6,260	6,389	6,443	6,274	6,216	6,216	6,219	6,224	6,314	6,370	6,515	6,529
Unpaid family workers	456	482	488	499	497	466	485	449	470	453	455	460	478
PERSONS AT WORK¹													
Nonagricultural industries	83,573	84,096	84,434	85,797	85,401	86,011	86,102	86,350	86,329	86,511	86,653	87,046	87,490
Full-time schedules	68,862	69,211	69,495	70,481	70,090	70,723	70,929	71,205	71,085	71,318	71,394	71,787	72,209
Part-time for economic reasons	3,045	3,203	3,184	3,310	3,247	3,433	3,316	3,298	3,203	3,164	3,131	3,058	3,159
Usually work full-time	1,109	1,160	1,238	1,231	1,211	1,409	1,347	1,350	1,283	1,167	1,279	1,209	1,208
Usually work part-time	1,936	2,043	1,946	2,079	2,036	2,024	1,969	1,948	1,920	1,997	1,852	1,849	1,951
Part-time for noneconomic reasons	11,666	11,682	11,755	12,006	12,064	11,855	11,857	11,847	12,041	12,029	12,128	12,201	12,122

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

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninsti- tutional population		Civilian labor force							
			Total		Employed		Unemployed			
	Number						Percent of labor force			
Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	Jan. 1978	Jan. 1979	
VETERANS¹										
Total, 20 years and over	8,228	8,463	7,752	8,028	7,257	7,589	495	439	6.4	5.5
20 to 24 years	838	639	747	589	623	508	124	81	16.6	13.8
25 to 39 years	6,718	7,037	6,447	6,758	6,099	6,430	348	328	5.4	4.9
25 to 29 years	2,579	2,119	2,431	2,002	2,245	1,869	186	133	7.7	6.6
30 to 34 years	3,192	3,547	3,090	3,421	2,960	3,285	130	136	4.2	4.0
35 to 39 years	947	1,371	926	1,335	894	1,276	32	59	3.5	4.4
40 years and over	672	787	558	681	535	651	23	30	4.1	4.4
NONVETERANS²										
Total, 26 to 39 years	13,317	14,169	12,628	13,431	11,947	12,807	681	624	5.4	4.6
26 to 29 years	5,811	6,427	5,475	6,022	5,102	5,666	373	356	6.8	5.9
30 to 34 years	3,996	4,064	3,792	3,904	3,607	3,752	185	152	4.9	3.9
35 to 39 years	3,510	3,678	3,361	3,505	3,238	3,389	123	116	3.7	3.3

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.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
-	TOTAL	84,464	82,724	87,800	88,020	86,339	-	-	-	-	-
-	PRIVATE SECTOR	68,982	67,372	72,097	72,326	70,809	56,612	55,028	59,090	59,295	57,758
-	MINING	682	669	904	899	896	499	484	684	681	674
10	METAL MINING	91.4	94.4	97.3	97.5	-	68.9	72.5	75.2	75.3	-
101	Iron ores	18.2	22.1	25.4	25.1	-	13.5	17.6	20.7	20.3	-
102	Copper ores	36.4	36.5	34.3	34.7	-	28.0	28.0	26.3	26.7	-
11, 12	COAL MINING	83.7	72.0	250.0	248.0	-	66.3	52.3	208.9	207.1	-
12	BITUMINOUS COAL AND LIGNITE MINING	80.3	68.7	246.9	244.9	-	63.4	49.4	206.1	204.3	-
13	OIL AND GAS EXTRACTION	391.7	394.4	430.4	431.7	-	273.2	274.7	299.2	301.4	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	171.7	171.8	181.1	181.9	-	86.7	86.7	87.9	89.2	-
138	Oil and gas field services	220.0	222.6	249.3	249.8	-	186.5	188.0	211.3	212.2	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	114.8	108.1	126.2	121.7	-	90.4	84.3	100.9	97.1	-
142	Crushed and broken stone	39.1	36.0	44.2	41.9	-	32.2	29.4	37.3	35.0	-
144	Sand and gravel	33.4	30.4	38.4	36.1	-	-	-	-	-	-
147	Chemical and fertilizer minerals	23.6	23.6	23.7	23.8	-	-	-	-	-	-
-	CONSTRUCTION	3,896	3,507	4,517	4,329	3,963	3,043	2,658	3,634	3,447	3,068
15	GENERAL BUILDING CONTRACTORS	1,129.4	1,025.8	1,280.7	1,225.3	-	869.8	764.9	1,010.2	953.8	-
152	Residential building construction	597.6	544.2	686.5	654.0	-	450.7	396.2	535.9	502.2	-
153	Operative builders	77.4	73.6	83.4	82.7	-	52.0	48.0	55.3	54.3	-
154	Nonresidential building construction	454.4	408.0	510.8	488.6	-	367.1	320.7	419.0	397.3	-
16	HEAVY CONSTRUCTION CONTRACTORS	759.0	658.8	945.2	861.9	-	585.7	487.3	778.0	697.7	-
161	Highway and street construction	215.8	163.2	311.7	257.1	-	177.9	127.0	269.8	215.8	-
162	Heavy construction, except highway	543.2	495.6	633.5	604.8	-	407.8	360.3	508.2	481.9	-
17	SPECIAL TRADE CONTRACTORS	2,007.6	1,822.6	2,290.6	2,242.2	-	1,587.2	1,405.5	1,845.4	1,795.2	-
171	Plumbing, heating, air conditioning	497.2	481.6	542.9	537.5	-	376.6	362.0	417.7	412.6	-
172	Painting, paper hanging, decorating	125.7	110.9	152.6	144.2	-	104.8	89.9	129.6	121.0	-
173	Electrical work	351.3	338.8	389.7	387.7	-	272.2	259.5	307.5	305.5	-
174	Masonry, stonework, and plastering	320.4	277.2	375.6	373.5	-	274.2	231.6	327.7	325.3	-
175	Carpentering and flooring	122.8	122.9	137.0	135.8	-	95.8	85.4	107.6	105.6	-
176	Roofing and sheet metal work	137.6	117.2	168.5	162.1	-	110.7	91.1	139.2	132.1	-
-	MANUFACTURING	19,990	19,842	20,736	20,731	20,566	14,378	14,237	14,934	14,922	14,783
24, 25, 32-39	DURABLE GOODS	11,877	11,821	12,485	12,517	12,431	8,540	8,482	8,989	9,008	8,934
20-23, 26-31	NONDURABLE GOODS	8,113	8,021	8,251	8,214	8,135	5,838	5,755	5,945	5,914	5,849
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	743.0	721.9	755.3	750.0	730.7	634.7	619.2	645.3	639.8	622.7
241	Logging camps and logging contractors	83.3	81.3	90.9	89.1	-	67.7	65.7	74.7	72.9	-
242	Sawmills and planing mills	233.9	229.4	238.4	237.1	-	209.2	204.7	212.9	211.6	-
2421	Sawmills and planing mills, general	194.3	189.4	198.1	196.8	-	174.0	169.3	177.3	176.1	-
2426	Hardwood dimension and flooring	33.0	33.3	33.5	33.6	-	29.3	29.5	29.5	29.6	-
243	Millwork, plywood, and structural members	211.8	209.2	215.3	215.3	-	180.0	177.6	181.3	181.1	-
2431	Millwork	76.8	76.0	77.1	77.9	-	63.8	62.9	63.4	63.8	-
2434	Wood kitchen cabinets	48.0	47.2	48.2	47.8	-	40.4	39.7	39.6	39.6	-
2435	Hardwood veneer and plywood	26.0	25.8	26.4	26.5	-	23.0	22.9	23.7	23.7	-
2436	Softwood veneer and plywood	46.8	46.6	47.6	47.6	-	41.4	41.2	41.7	41.7	-
244	Wooden containers	41.8	41.3	42.8	42.6	-	36.8	36.2	37.9	37.6	-
245	Wood buildings and mobile homes	90.7	79.7	81.4	79.2	-	72.9	67.2	65.6	63.5	-
2461	Mobile homes	64.4	55.2	55.7	54.2	-	52.9	49.0	47.0	45.4	-
249	Miscellaneous wood products	81.5	81.0	86.5	86.7	-	68.1	67.8	72.9	73.1	-
26	FURNITURE AND FIXTURES	484.2	482.3	493.3	493.6	492.2	398.9	397.3	405.8	405.5	402.6
261	Household furniture	328.7	327.8	332.5	332.3	-	280.1	279.4	283.0	282.5	-
2611	Wood household furniture	147.4	146.9	146.8	147.2	-	130.2	130.0	130.1	130.2	-
2612	Upholstered household furniture	102.2	102.0	105.4	104.9	-	85.6	85.3	87.3	86.6	-
2614	Metal household furniture	30.4	31.0	30.9	31.4	-	24.3	24.8	25.0	25.4	-
2615	Mattresses and bedsprings	32.2	31.8	32.3	32.1	-	25.1	24.8	25.2	25.1	-
262	Office furniture	43.5	43.5	45.9	46.0	-	35.1	35.3	37.2	37.1	-
263	Public building and related furniture	24.2	23.8	24.8	24.9	-	18.5	18.1	18.9	19.0	-
264	Partitions and fixtures	61.0	60.5	63.9	64.0	-	46.5	46.2	48.5	48.8	-
269	Miscellaneous furniture and fixtures	26.8	26.7	26.2	26.4	-	18.7	18.3	18.2	18.1	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
32	STONE, CLAY, AND GLASS PRODUCTS	678.0	662.0	709.5	699.6	676.5	542.2	526.5	564.2	553.9	534.3
321	Flat glass	21.7	21.4	18.7	18.4	—	17.5	17.1	14.5	14.1	—
322	Glass and glassware, pressed or blown	136.7	136.8	138.6	137.7	—	118.5	118.2	119.2	118.1	—
3221	Glass containers	77.9	77.8	77.2	76.6	—	69.9	69.4	68.1	67.3	—
3229	Pressed and blown glass, nec	58.8	59.0	61.4	61.1	—	48.6	48.8	51.1	50.8	—
323	Products of purchased glass	44.7	44.3	49.0	48.7	—	33.4	32.9	35.8	35.5	—
324	Cement, hydraulic	31.1	31.0	32.3	32.0	—	24.7	24.5	25.9	25.7	—
325	Structural clay products	51.5	50.7	52.3	52.4	—	41.2	40.4	41.3	41.3	—
326	Pottery and related products	46.9	46.4	48.9	48.3	—	39.4	39.0	41.1	40.5	—
327	Concrete, gypsum, and plaster products	196.7	183.2	212.8	204.7	—	153.0	140.6	167.6	159.7	—
3271	Concrete block and brick	22.7	21.3	25.1	24.2	—	15.5	14.5	17.0	17.0	—
3272	Concrete products, nec	68.7	65.2	72.5	70.4	—	54.0	50.8	57.0	54.8	—
3273	Ready-mixed concrete	84.8	76.3	94.1	89.1	—	66.9	58.8	75.5	70.7	—
329	Misc. nonmetallic mineral products	136.5	136.7	144.3	144.9	—	104.8	104.7	108.6	108.7	—
3291	Abrasive products	27.3	27.5	29.1	29.6	—	19.1	19.2	19.9	20.2	—
3292	Asbestos products	21.3	21.1	23.1	22.9	—	16.4	16.4	17.8	17.8	—
3296	Mineral wool	30.3	30.6	31.2	31.2	—	—	—	—	—	—
33	PRIMARY METAL INDUSTRIES	1,175.5	1,181.5	1,229.1	1,235.6	1,234.3	918.1	925.0	970.8	977.5	978.5
331	Blast furnace and basic steel products	537.4	544.8	559.4	560.5	—	418.7	426.4	443.5	444.3	—
3312	Blast furnaces and steel mills	456.0	463.0	474.6	475.0	—	357.2	364.3	377.9	377.9	—
3317	Steel pipe and tubes	28.7	28.7	30.4	31.0	—	21.9	22.2	23.9	24.5	—
332	Iron and steel foundries	235.5	234.3	246.1	248.1	—	192.9	192.3	202.1	204.1	—
3321	Gray iron foundries	150.1	149.3	154.9	156.2	—	125.1	124.7	129.4	130.8	—
3322	Malleable iron foundries	20.5	20.5	23.4	23.0	—	16.4	16.3	19.1	18.7	—
3325	Steel foundries, nec	54.7	54.3	56.4	57.1	—	43.7	43.6	45.4	46.1	—
333	Primary nonferrous metals	67.0	66.7	68.3	68.4	—	52.4	52.0	53.4	53.4	—
3334	Primary aluminum	33.2	32.5	34.6	34.7	—	26.9	26.5	28.1	28.1	—
335	Nonferrous rolling and drawing	199.0	198.7	211.7	212.2	—	144.2	144.3	155.6	157.1	—
3351	Copper rolling and drawing	28.4	28.2	33.9	33.1	—	21.5	21.5	26.4	26.6	—
3353	Aluminum sheet, plate, and foil	33.4	33.8	37.6	37.7	—	24.3	24.9	28.3	28.6	—
3357	Nonferrous wire drawing and insulating	83.1	82.7	83.8	85.2	—	61.7	61.4	62.5	63.6	—
336	Nonferrous foundries	93.5	93.5	97.5	99.4	—	77.7	77.5	80.9	82.5	—
3361	Aluminum foundries	52.0	52.0	53.8	55.1	—	44.0	43.8	45.2	46.5	—
34	FABRICATED METAL PRODUCTS	1,620.4	1,611.8	1,694.6	1,702.4	1,691.7	1,230.6	1,224.2	1,290.0	1,293.9	1,283.7
341	Metal cans and shipping containers	73.7	75.1	77.7	75.9	—	61.7	63.0	65.5	63.7	—
3411	Metal cans	60.6	62.2	64.0	62.2	—	51.2	52.6	54.3	52.5	—
342	Cutlery, hand tools, and hardware	184.5	183.3	191.5	192.6	—	143.9	143.4	149.4	150.2	—
3423,5	Hand and edge tools, and hand saws and blades	59.8	60.4	65.0	65.1	—	46.6	47.2	51.1	51.3	—
3429	Hardware, nec	108.7	107.0	110.1	111.1	—	85.3	84.1	86.3	87.0	—
343	Plumbing and heating, except electric	71.3	70.8	72.1	72.1	—	53.3	53.0	54.1	53.7	—
3432	Plumbing fittings and brass goods	26.1	25.9	26.8	26.7	—	21.3	21.3	21.9	21.8	—
3433	Heating equipment, except electric	34.2	34.0	33.9	34.1	—	24.5	24.2	23.7	23.6	—
344	Fabricated structural metal products	488.8	484.1	515.3	515.7	—	346.8	343.0	366.7	365.5	—
3441	Fabricated structural metal	100.1	98.6	104.6	105.6	—	71.8	70.8	75.6	76.4	—
3442	Metal doors, sash, and trim	84.2	82.4	87.4	86.1	—	64.8	62.9	66.2	64.5	—
3443	Fabricated plate work (boiler shops)	142.8	143.0	149.1	149.8	—	93.8	93.8	97.5	97.7	—
3444	Sheet metal work	98.0	97.2	104.3	104.5	—	72.2	71.8	77.9	77.7	—
3446	Architectural metal work	32.5	32.2	34.0	34.3	—	23.2	23.0	24.5	24.9	—
345	Screw machine products, bolts, etc.	103.7	103.6	111.6	113.3	—	81.4	81.2	87.8	89.1	—
3451	Screw machine products	49.2	49.4	53.4	54.4	—	40.6	40.7	44.1	45.0	—
3452	Bolts, nuts, rivets, and washers	54.5	54.2	58.2	58.9	—	40.8	40.5	43.7	44.1	—
346	Metal forgings and stampings	299.1	295.2	307.4	308.6	—	243.7	239.6	250.1	250.5	—
3462	Iron and steel forgings	51.4	51.3	55.9	56.5	—	41.3	41.2	44.7	45.2	—
3465	Automotive stampings	117.0	113.3	118.8	119.4	—	99.7	95.9	100.8	100.8	—
3469	Metal stampings, nec	119.9	119.8	121.3	121.1	—	94.3	94.3	95.7	95.5	—
347	Metal services, nec	94.1	94.0	99.1	99.4	—	77.3	77.5	81.7	82.2	—
3471	Plating and polishing	66.9	66.7	70.8	71.0	—	55.6	55.6	59.1	59.4	—
3479	Metal coating and allied services	27.2	27.3	28.3	28.4	—	21.7	21.9	22.6	22.8	—
348	Ordnance and accessories, nec	57.0	57.5	59.1	59.5	—	39.8	40.2	41.2	41.3	—
3483	Ammunition, exc. for small arms, nec	24.3	24.4	24.6	24.6	—	17.4	17.4	17.3	17.2	—
349	Misc. fabricated metal products	248.2	248.2	260.8	265.3	—	182.7	183.3	193.5	197.7	—
3494	Valves and pipe fittings	98.4	98.8	101.1	103.2	—	66.5	67.3	68.7	70.8	—
3496	Misc. fabricated wire products	49.1	49.2	53.8	54.0	—	37.7	37.9	41.5	41.8	—
35	MACHINERY, EXCEPT ELECTRICAL	2,264.0	2,265.8	2,406.9	2,441.4	2,447.2	1,491.9	1,492.3	1,588.9	1,620.8	1,623.6
351	Engines and turbines	131.3	131.1	137.1	138.0	—	84.5	84.6	89.7	90.4	—
3511	Turbines and turbine generator sets	44.9	44.5	44.9	45.2	—	23.6	23.4	23.6	23.9	—
3519	Internal combustion engines, nec	86.4	86.6	92.2	92.8	—	60.9	61.2	66.1	66.5	—
352	Farm and garden machinery	165.0	162.1	165.7	174.7	—	113.7	111.1	117.3	125.7	—
3523	Farm machinery and equipment	147.9	144.3	148.9	157.1	—	101.9	98.6	105.5	113.0	—
353	Construction and related machinery	365.4	368.7	402.0	405.7	—	244.9	246.6	269.6	273.1	—
3531	Construction machinery	164.5	165.1	178.1	178.9	—	114.5	113.7	122.5	123.5	—

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery	33.3	32.5	36.1	36.3	—	21.1	20.5	23.0	23.1	—
3533	Oil field machinery	70.7	71.6	79.5	80.4	—	48.4	49.1	55.4	56.4	—
3535	Conveyers and conveying equipment	30.8	30.5	33.2	34.1	—	18.7	18.4	19.5	20.5	—
3537	Industrial trucks and tractors	34.5	36.9	40.7	41.3	—	23.3	25.7	28.4	28.8	—
354	Metalworking machinery	335.2	335.5	350.3	353.8	—	245.0	245.5	255.6	258.6	—
3541	Machine tools, metal cutting types	67.1	67.4	71.6	72.3	—	44.0	44.1	45.9	46.7	—
3542	Machine tools, metal forming types	23.3	23.3	24.6	24.9	—	15.4	15.4	16.2	16.4	—
3544	Special dies, tools, jigs, and fixtures	129.0	128.7	130.6	131.9	—	103.8	103.6	104.9	106.1	—
3545	Machine tool accessories	61.2	61.6	65.6	66.5	—	43.6	43.7	46.7	47.2	—
3546	Power driven hand tools	33.5	33.6	33.5	33.7	—	25.1	25.2	25.2	25.4	—
355	Special industry machinery	195.4	195.2	204.1	205.9	—	123.7	123.0	128.7	130.3	—
3551	Food products machinery	44.7	44.8	46.3	46.7	—	27.9	28.1	28.7	29.0	—
3552	Textile machinery	31.2	30.9	31.0	31.2	—	22.3	21.9	21.9	22.0	—
3566	Printing trades machinery	33.6	33.8	38.3	38.9	—	19.8	19.8	22.9	23.5	—
356	General industrial machinery	302.9	302.1	318.3	323.4	—	203.3	203.1	212.7	217.3	—
3561	Pumps and pumping equipment	61.5	61.4	61.3	62.3	—	38.6	38.6	37.6	38.5	—
3562	Ball and roller bearings	57.7	57.4	60.3	61.7	—	44.2	44.1	46.7	48.1	—
3563	Air and gas compressors	28.5	28.0	30.0	30.4	—	16.8	16.9	17.4	17.8	—
3564	Blowers and fans	36.6	36.5	38.1	38.9	—	23.6	23.4	24.1	24.7	—
3566	Speed changers, drives, and gears	25.0	25.0	26.3	26.7	—	17.3	17.3	18.1	18.4	—
3568	Power transmission equipment, nec	22.4	22.4	22.8	23.0	—	16.2	16.2	16.7	16.9	—
357	Office and computing machines	332.0	333.7	366.3	370.5	—	151.5	153.0	170.6	174.2	—
3573	Electronic computing equipment	257.4	259.2	286.6	290.2	—	107.1	107.6	122.5	126.2	—
358	Refrigeration and service machinery	179.3	180.9	186.2	191.1	—	127.1	128.1	130.7	135.3	—
3585	Refrigeration and heating equipment	125.4	126.9	128.7	132.5	—	89.8	90.9	90.8	94.4	—
359	Misc. machinery, except electrical	257.5	256.5	276.9	278.3	—	198.2	197.3	214.0	215.9	—
3592	Carburetors, pistons, rings, valves	39.0	38.0	41.0	42.2	—	31.1	30.2	32.4	33.5	—
3599	Machinery, except electrical, nec	218.5	218.5	235.9	236.1	—	167.1	167.1	181.6	182.4	—
36	ELECTRIC AND ELECTRONIC EQUIPMENT	1,925.1	1,918.7	2,020.8	2,022.1	2,014.0	1,272.0	1,263.0	1,331.6	1,331.7	1,324.5
361	Electric distributing equipment	121.1	121.2	121.8	122.2	—	86.6	86.7	87.5	88.3	—
3612	Transformers	55.9	56.3	57.6	57.7	—	39.6	39.9	41.1	41.4	—
3613	Switchgear and switchboard apparatus	65.2	64.9	64.2	64.5	—	47.0	46.8	46.4	46.9	—
362	Electrical industrial apparatus	237.3	237.9	247.7	248.4	—	170.4	171.0	178.1	179.2	—
3621	Motors and generators	129.4	130.2	132.6	132.1	—	97.1	98.2	100.3	100.2	—
3622	Industrial controls	64.6	64.2	69.1	70.0	—	42.3	41.6	44.7	45.7	—
363	Household appliances	185.4	181.4	177.7	174.5	—	145.3	142.2	139.3	136.1	—
3632	Household refrigerators and freezers	45.0	46.6	41.0	39.8	—	35.3	36.8	31.9	30.8	—
3633	Household laundry equipment	22.0	22.2	21.4	20.6	—	17.0	17.3	16.5	15.8	—
3634	Electric housewares and fans	54.3	49.3	52.6	51.1	—	42.7	38.6	42.2	40.6	—
364	Electric lighting and wiring equipment	211.2	211.3	222.5	222.8	—	160.6	160.5	169.9	169.6	—
3641	Electric lamps	38.7	38.6	39.2	39.3	—	34.0	33.8	34.5	34.6	—
3643	Current-carrying wiring devices	84.7	85.1	92.4	93.5	—	59.8	59.8	65.8	66.3	—
3644	Noncurrent-carrying wiring devices	24.2	24.5	23.5	23.6	—	18.0	18.2	17.3	17.3	—
3645	Residential lighting fixtures	24.0	23.7	25.3	25.7	—	18.7	18.4	19.6	19.9	—
365	Radio and TV receiving equipment	129.2	126.1	126.3	122.2	—	97.1	94.2	94.7	91.7	—
3651	Radio and TV receiving sets	99.3	97.4	100.0	98.2	—	72.6	70.9	73.6	72.8	—
366	Communication equipment	474.9	476.5	506.2	508.6	—	232.9	232.4	250.5	251.6	—
3661	Telephone and telegraph apparatus	152.0	151.9	153.3	153.8	—	103.9	104.0	106.1	106.3	—
3662	Radio and TV communication equipment	322.9	324.6	352.9	354.8	—	129.0	128.4	144.4	145.3	—
367	Electronic components and accessories	409.7	409.1	456.6	460.6	—	258.1	256.7	288.2	291.2	—
3671-3	Electronic tubes	41.6	41.1	43.8	43.4	—	26.9	26.8	28.7	28.2	—
3674	Semiconductors and related devices	150.0	149.5	174.2	176.4	—	71.1	70.1	83.7	85.1	—
3678	Electronic components, nec	159.9	160.3	175.8	178.1	—	113.3	112.9	125.1	126.9	—
369	Misc. electrical equipment and supplies	156.3	155.2	162.0	162.8	—	121.0	119.3	123.4	124.0	—
3691	Storage batteries	28.3	28.3	29.8	30.1	—	23.0	22.9	23.9	24.1	—
3694	Engine electrical equipment	78.1	77.3	81.1	81.6	—	62.8	61.7	64.4	64.9	—
37	TRANSPORTATION EQUIPMENT	1,916.1	1,916.8	2,029.8	2,045.5	2,023.8	1,330.7	1,324.4	1,414.3	1,428.0	1,407.5
371	Motor vehicles and equipment	992.0	978.2	1,015.3	1,019.1	—	1,777.9	763.4	798.8	803.0	—
3711	Motor vehicles and car bodies	468.2	459.8	466.7	465.9	—	354.4	345.5	351.3	351.9	—
3713	Truck and bus bodies	49.5	49.4	54.0	54.2	—	39.3	39.3	43.6	43.7	—
3714	Motor vehicle parts and accessories	446.4	440.7	462.3	466.5	—	362.5	356.5	378.3	381.6	—
3715	Truck trailers	27.9	28.3	32.3	32.5	—	21.7	22.1	25.6	25.8	—
372	Aircraft and parts	481.4	500.1	564.7	572.3	—	243.2	255.1	300.6	306.4	—
3721	Aircraft	266.7	285.4	327.7	331.8	—	116.7	128.1	159.2	161.9	—
3724	Aircraft engines and engine parts	125.9	125.1	137.2	139.4	—	71.1	71.0	77.2	79.2	—
3728	Aircraft equipment, nec	88.8	89.6	99.8	101.1	—	55.4	56.0	64.2	65.3	—
373	Ship and boat building and repairing	227.7	221.4	214.4	218.2	—	183.4	177.6	172.1	175.1	—
3731	Ship building and repairing	181.5	175.3	166.1	169.8	—	145.5	139.8	132.2	135.0	—
3732	Boat building and repairing	46.2	46.1	48.3	48.4	—	37.9	37.8	39.9	40.1	—
374	Railroad equipment	50.3	50.3	61.5	62.3	—	36.5	36.5	47.1	48.0	—
376	Guided missiles, space vehicles, parts	81.9	81.9	82.8	84.1	—	26.5	26.5	25.6	26.4	—
3761	Guided missiles and space vehicles	63.1	63.1	62.5	63.6	—	18.4	18.3	17.1	17.8	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]		All employees					Production workers ¹				
1972 SIC Code	Industry	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	67.3	67.4	74.5	74.3	—	51.1	51.0	57.2	57.6	—
3792	Travel trailers and campers	45.3	45.1	48.7	48.3	—	35.9	35.6	39.1	39.1	—
38	INSTRUMENTS AND RELATED PRODUCTS	629.7	630.7	673.8	676.3	678.9	385.6	385.2	415.2	416.5	420.1
381	Engineering and scientific instruments	65.8	66.3	70.4	71.0	—	31.7	32.1	35.5	36.1	—
382	Measuring and controlling devices	206.4	207.9	221.5	222.5	—	131.3	132.2	141.8	142.8	—
3822	Environmental controls	49.2	49.9	49.0	48.3	—	34.4	35.1	33.8	33.5	—
3823	Process control instruments	47.1	47.1	49.7	50.2	—	24.9	24.8	26.7	27.2	—
3825	Instruments to measure electricity	74.4	75.2	85.7	86.6	—	46.4	46.9	54.9	55.5	—
383	Optical instruments and lenses	26.4	26.7	29.1	29.3	—	15.3	15.3	16.6	16.6	—
384	Medical instruments and supplies	133.0	133.4	147.4	148.8	—	89.6	89.1	98.7	99.4	—
3841	Surgical and medical instruments	52.3	52.6	61.2	61.8	—	35.2	35.2	41.4	41.1	—
3842	Surgical appliances and supplies	63.2	63.2	67.7	68.3	—	42.8	42.2	45.3	46.0	—
385	Ophthalmic goods	41.2	40.7	41.6	41.6	—	30.5	30.4	30.7	30.7	—
386	Photographic equipment and supplies	128.2	127.4	133.8	134.1	—	65.2	64.3	68.8	68.6	—
387	Watches, clocks, and watchcases	28.7	28.3	30.0	29.0	—	22.0	21.8	23.1	22.3	—
39	MISCELLANEOUS MANUFACTURING										
INDUSTRIES											
391	Jewelry, silverware, and plated ware	440.5	429.6	472.2	450.4	441.3	335.3	324.8	362.5	340.8	336.0
3911	Jewelry, precious metal	62.8	60.5	63.6	61.4	—	46.3	44.4	47.1	44.2	—
393	Medical instruments	40.8	38.6	40.5	38.6	—	29.4	27.5	29.4	26.8	—
3931	Toys and sporting goods	23.9	24.0	26.4	25.6	—	19.3	19.6	21.6	21.1	—
394	Dolls, games, toys, and children's vehicles	109.3	105.9	121.4	107.3	—	81.9	79.0	94.8	80.7	—
3942, 4	Sporting and athletic goods, nec	45.4	43.6	61.5	48.9	—	31.3	29.9	47.3	34.6	—
3949	Pens, pencils, office and art supplies	63.9	62.3	59.9	58.4	—	50.6	49.1	47.5	46.1	—
395	Costume jewelry and notions	34.6	34.4	35.5	35.4	—	24.9	24.5	25.5	25.5	—
396	Costume jewelry	67.3	63.5	74.7	72.2	—	54.7	50.9	61.0	58.6	—
3961	Miscellaneous manufactures	37.3	34.1	42.3	40.8	—	30.8	27.6	35.1	33.6	—
399	Signs and advertising displays	142.6	141.3	150.6	148.5	—	108.2	106.4	112.5	110.7	—
3993	Signs and advertising displays	51.7	51.1	54.2	53.4	—	37.2	36.7	39.0	38.3	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,680.0	1,644.7	1,710.4	1,689.1	1,660.1	1,132.4	1,099.7	1,165.2	1,145.8	1,124.6
201	Meat products	356.2	350.4	365.3	365.9	—	294.1	288.6	303.9	304.3	—
2011	Meat packing plants	171.6	170.5	172.6	172.5	—	138.6	137.5	140.1	140.2	—
2013	Sausages and other prepared meats	70.0	69.0	69.2	69.4	—	51.2	50.4	51.2	51.2	—
2016	Poultry dressing plants	100.5	96.6	108.6	108.9	—	91.8	87.9	99.4	99.5	—
202	Dairy products	188.1	186.9	188.9	188.6	—	97.9	97.1	98.9	98.3	—
2022	Cheese, natural and processed	31.5	30.8	31.7	31.7	—	24.3	23.7	24.6	24.7	—
2026	Fluid milk	122.3	121.8	121.6	121.8	—	52.8	52.7	52.4	52.2	—
203	Preserved fruits and vegetables	205.3	193.6	220.0	200.8	—	162.3	150.8	177.4	160.0	—
2032	Canned specialties	28.9	28.7	28.6	29.3	—	20.1	19.7	19.8	20.3	—
2033	Canned fruits and vegetables	67.3	63.3	77.3	63.8	—	52.2	48.2	61.9	50.2	—
2037	Frozen fruits and vegetables	40.7	35.1	41.3	38.1	—	35.1	29.6	36.1	33.0	—
204	Grain mill products	144.0	142.4	146.0	146.2	—	97.4	96.0	99.7	100.3	—
2041	Flour and other grain mill products	24.7	24.6	24.8	24.9	—	16.2	15.9	15.8	16.2	—
2048	Prepared feeds, nec	61.1	60.9	62.1	62.5	—	37.8	37.8	39.6	40.0	—
205	Bakery products	233.1	230.5	229.4	228.5	—	135.6	133.6	133.7	132.7	—
2051	Bread, cake, and related products	194.2	191.4	189.0	188.4	—	104.7	102.5	101.6	101.1	—
2052	Cookies and crackers	38.9	39.1	40.4	40.1	—	30.9	31.1	32.1	31.6	—
206	Sugar and confectionery products	116.5	111.3	118.6	118.6	—	91.4	86.0	92.1	92.9	—
2061-3	Cane and beet sugar	38.2	35.0	38.8	38.8	—	30.2	27.0	29.2	29.3	—
2065	Confectionery products	58.6	57.1	59.6	59.7	—	47.4	45.5	48.3	49.1	—
207	Fats and oils	42.8	42.1	41.0	41.0	—	31.4	30.3	29.7	29.9	—
208	Beverages	228.9	225.9	228.7	228.3	—	106.5	104.3	106.4	105.7	—
2082	Malt beverages	50.6	49.0	49.0	48.8	—	34.1	32.6	32.9	32.8	—
2086	Bottled and canned soft drinks	134.2	132.9	138.1	138.1	—	48.0	46.9	48.3	48.1	—
209	Misc. foods and kindred products	165.1	161.6	172.5	171.2	—	115.8	113.0	123.4	121.7	—
21	TOBACCO MANUFACTURES	78.4	74.6	76.8	75.9	72.8	63.4	59.6	62.1	61.5	58.6
211	Cigarettes	49.7	49.4	49.4	49.7	—	38.9	38.6	38.7	39.1	—
22	TEXTILE MILL PRODUCTS	916.5	911.6	912.5	910.4	902.3	797.5	793.1	796.1	794.4	786.5
221	Weaving mills, cotton	160.3	158.8	153.2	154.1	—	144.4	143.1	137.9	139.2	—
222	Weaving mills, synthetics	125.1	124.3	121.7	121.8	—	111.9	110.7	108.8	109.2	—
223	Weaving and finishing mills, wool	20.6	20.6	20.9	21.1	—	17.1	17.2	17.5	17.6	—
224	Narrow fabric mills	26.3	26.3	26.3	26.2	—	23.0	23.0	23.1	23.0	—
225	Knitting mills	234.4	232.3	240.2	236.8	—	201.7	200.3	208.0	204.6	—
2251	Women's hosiery, except socks	28.9	28.7	31.5	31.7	—	25.6	25.5	28.2	28.4	—
2252	Hosiery, nec	35.1	34.6	35.5	35.0	—	31.8	31.4	32.3	32.0	—
2253	Knit outerwear mills	73.1	70.4	74.1	71.7	—	61.7	59.5	63.2	60.7	—
2254	Knit underwear mills	35.5	36.7	37.6	37.3	—	30.6	31.9	32.3	32.0	—

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 workers ¹				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	36.3	36.2	35.9	35.8	-	30.3	30.2	30.4	30.2	-
226	Textile finishing, except wool	80.9	80.9	79.8	79.3	-	68.6	68.5	67.9	67.5	-
2281	Finishing plants, cotton	33.8	33.7	33.6	33.5	-	28.3	28.3	28.2	28.1	-
2282	Finishing plants, synthetics	30.3	30.1	29.7	29.6	-	26.1	25.8	25.5	25.4	-
227	Floor covering mills	61.4	61.4	63.5	64.0	-	49.8	49.5	52.0	52.2	-
228	Yarn and thread mills	135.1	134.5	135.5	135.7	-	123.1	122.5	123.3	123.5	-
2281	Yarn mills, except wool	88.3	88.3	90.4	90.3	-	81.8	81.7	83.6	83.5	-
2282	Throwing and winding mills	22.3	22.0	21.9	22.0	-	19.8	19.5	19.5	19.5	-
229	Miscellaneous textile goods	72.4	72.5	71.4	71.4	-	57.9	58.3	57.6	57.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,313.6	1,291.4	1,322.6	1,306.2	1,292.5	1,124.9	1,106.6	1,136.4	1,118.8	1,109.3
231	Men's and boys' suits and coats	90.8	89.7	88.2	88.6	-	79.4	79.0	77.2	77.5	-
232	Men's and boys' furnishings	374.8	368.3	367.7	363.0	-	323.6	318.3	317.4	312.5	-
2321	Men's and boys' shirts and nightwear	102.9	101.2	104.7	103.4	-	89.2	88.0	91.0	89.6	-
2327	Men's and boys' separate trousers	88.3	86.4	84.0	82.8	-	77.5	75.5	73.4	72.1	-
2328	Men's and boys' work clothing	100.3	98.4	95.1	95.2	-	85.2	83.8	80.6	80.5	-
233	Women's and misses' outerwear	413.1	407.7	427.4	421.2	-	354.4	350.3	369.3	361.5	-
2331	Women's and misses' blouses and waists	56.9	56.8	60.2	59.9	-	49.8	49.8	52.9	52.6	-
2335	Women's and misses' dresses	152.4	150.5	158.9	155.8	-	133.9	132.3	140.3	135.5	-
2337	Women's and misses' suits and coats	61.1	59.3	63.3	61.3	-	51.4	50.0	54.3	52.3	-
2339	Women's and misses' outerwear, nec.	142.7	141.1	145.0	144.2	-	119.3	118.2	121.8	121.1	-
234	Women's and children's undergarments	96.3	93.4	93.4	91.6	-	82.6	79.9	79.9	77.9	-
2341	Women's and children's underwear	75.5	73.1	74.2	72.6	-	65.9	63.6	64.6	62.8	-
2342	Brassieres and allied garments	20.8	20.3	19.2	19.0	-	16.7	16.3	15.3	15.1	-
236	Children's outerwear	67.8	67.9	67.4	67.1	-	57.6	57.6	57.4	57.3	-
2361	Children's dresses and blouses	26.5	26.2	25.5	25.0	-	23.8	23.7	22.8	22.3	-
238	Misc. apparel and accessories	60.5	59.1	61.3	59.3	-	51.7	50.8	52.8	50.9	-
239	Misc. fabricated textile products	190.9	185.9	197.3	195.6	-	158.9	153.9	165.1	164.0	-
2391	Curtains and draperies	31.9	31.0	30.6	30.4	-	27.8	27.1	26.8	26.7	-
2392	House furnishings, nec.	52.5	50.6	52.7	51.9	-	43.7	41.9	44.1	43.7	-
2396	Automotive and apparel trimmings	36.0	34.6	38.2	38.8	-	30.5	28.7	32.0	32.6	-
26	PAPER AND ALLIED PRODUCTS	697.5	692.3	703.8	701.9	699.3	523.0	517.5	528.7	528.9	526.1
261, 2, 6	Paper and pulp mills	206.1	204.2	199.6	200.7	-	157.2	155.4	147.9	149.1	-
262	Paper mills, except building paper	177.7	176.3	173.2	174.1	-	134.8	133.4	127.2	128.2	-
263	Paperboard mills	66.6	66.4	67.2	64.7	-	52.1	52.0	52.9	51.0	-
264	Misc. converted paper products	210.8	209.4	216.3	215.4	-	148.7	146.7	156.4	156.9	-
2641	Paper coating and glazing	55.0	55.1	57.1	57.6	-	26.7	26.5	33.6	35.0	-
2642	Envelopes	24.3	24.4	24.5	24.6	-	19.3	19.2	19.1	19.3	-
2643	Bags, except textile bags	48.4	48.2	50.5	50.8	-	38.6	38.3	39.3	39.8	-
265	Paperboard containers and boxes	214.0	212.3	220.7	221.1	-	165.0	163.4	171.5	171.9	-
2651	Folding paperboard boxes	42.0	41.7	43.3	43.4	-	33.3	32.8	34.7	34.8	-
2653	Corrugated and solid fiber boxes	106.4	105.9	110.3	110.6	-	78.4	78.1	82.1	82.5	-
2654	Sanitary food containers	32.8	32.8	33.8	33.5	-	27.2	27.2	28.0	27.7	-
27	PRINTING AND PUBLISHING	1,165.4	1,156.8	1,201.6	1,214.5	1,209.8	661.0	652.9	674.8	686.5	678.1
271	Newspapers	402.8	401.1	412.6	415.7	-	169.2	167.1	166.4	167.6	-
272	Periodicals	76.3	77.6	80.9	80.9	-	15.0	15.4	14.0	14.0	-
273	Books	101.4	101.1	102.1	104.2	-	51.3	51.5	50.9	53.2	-
2731	Book publishing	70.3	70.5	71.1	72.3	-	24.9	25.5	24.8	26.2	-
2732	Book printing	31.1	30.6	31.0	31.9	-	26.4	26.0	26.1	27.0	-
274	Miscellaneous publishing	45.1	44.7	47.0	48.6	-	25.9	26.1	29.0	31.0	-
276	Commercial printing	375.2	368.6	388.1	393.5	-	278.8	272.4	287.1	292.1	-
2761	Commercial printing, letterpress	163.5	160.3	168.7	171.3	-	122.2	119.3	125.0	127.4	-
2762	Commercial printing, lithographic	188.8	185.9	198.0	200.7	-	137.9	134.9	144.5	146.9	-
276	Manifold business forms	43.5	43.4	45.9	46.4	-	31.0	31.1	33.4	33.6	-
278	Blankbooks and bookbinding	58.8	58.7	62.3	62.5	-	47.9	48.1	51.1	51.7	-
279	Printing trade services	39.4	39.3	39.9	40.0	-	29.1	29.0	29.1	29.0	-
28	CHEMICALS AND ALLIED PRODUCTS	1,072.9	1,070.0	1,094.5	1,093.0	1,090.1	614.1	612.5	626.1	627.7	631.4
281	Industrial inorganic chemicals	163.4	162.6	165.4	167.1	-	94.0	93.4	92.0	93.1	-
2819	Industrial inorganic chemicals, nec.	107.1	106.9	109.6	110.0	-	59.3	58.9	60.4	60.4	-
282	Plastics materials and synthetics	212.5	212.5	214.6	215.1	-	141.9	142.4	146.1	146.9	-
2821	Plastics materials and resins	83.6	83.1	84.4	84.4	-	51.9	51.4	52.0	52.3	-
2824	Organic fibers, noncellulosic	94.8	95.0	95.1	95.6	-	66.4	66.8	68.2	68.6	-
283	Drugs	181.1	180.5	185.9	185.7	-	89.0	88.2	88.6	89.8	-
2834	Pharmaceutical preparations	144.5	144.0	148.5	148.4	-	68.4	67.8	67.8	69.1	-
284	Soap, cleaners, and toilet goods	129.3	129.6	137.8	135.7	-	77.9	78.2	84.9	83.5	-
2841	Soap and other detergents	39.7	40.0	41.5	41.4	-	25.3	25.6	27.1	27.1	-
2842, 3	Polishing, sanitation, and finishing preparations	36.5	36.3	38.2	38.3	-	20.0	19.9	21.6	21.6	-
2844	Toilet preparations	53.1	53.3	58.1	56.0	-	32.6	32.7	36.2	34.8	-
285	Paints and allied products	66.6	65.7	70.9	68.8	-	35.4	34.3	36.4	35.9	-
286	Industrial organic chemicals	165.4	164.7	163.3	163.1	-	84.8	84.8	84.8	84.1	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	35.6	35.7	35.7	35.6	-	21.8	21.9	22.5	22.4	-
2861.9	Gum, wood, and industrial organic chemicals, nec	129.8	129.0	127.6	127.5	-	63.0	62.9	62.3	61.7	-
287	Agricultural chemicals	67.6	68.3	68.6	69.2	-	41.5	42.1	43.4	44.0	-
289	Miscellaneous chemical products	87.0	86.1	88.0	88.3	-	49.6	49.1	49.9	50.4	-
29	PETROLEUM AND COAL PRODUCTS	203.5	201.1	210.8	209.0	203.4	132.2	130.8	138.4	136.7	131.5
291	Petroleum refining	161.2	160.7	163.1	163.2	-	101.3	101.3	103.0	103.5	-
295	Paving and roofing materials	30.9	29.0	36.1	34.1	-	23.3	21.8	28.2	26.1	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	732.9	730.6	768.2	768.7	765.6	573.7	570.6	604.4	605.2	601.4
301	Tires and inner tubes	128.1	127.6	127.2	127.3	-	93.3	92.7	92.3	92.7	-
302	Rubber and plastics footwear	23.6	22.7	23.7	24.3	-	20.6	19.8	20.7	21.3	-
303.4	Reclaimed rubber, and rubber and plastics hose and belting	24.3	23.9	22.2	22.6	-	18.5	18.2	16.7	17.0	-
306	Fabricated rubber products, nec	112.7	112.1	114.6	115.7	-	88.2	87.4	90.3	91.4	-
307	Miscellaneous plastics products	444.2	444.3	480.5	478.8	-	353.1	352.5	384.4	382.8	-
31	LEATHER AND LEATHER PRODUCTS	252.2	247.7	249.3	244.8	238.6	216.0	212.0	212.9	208.4	201.4
311	Leather tanning and finishing	22.7	22.6	21.0	21.2	-	19.4	19.2	17.6	17.9	-
314	Footwear, except rubber	156.8	154.4	154.0	152.2	-	136.7	134.7	133.5	131.4	-
3143	Men's footwear, except athletic	64.7	64.1	61.6	61.4	-	57.4	56.9	54.1	53.7	-
3144	Women's footwear, except athletic	61.5	60.5	61.6	62.1	-	52.6	52.0	53.0	53.2	-
316	Luggage	16.8	15.6	17.9	16.9	-	12.8	11.7	13.8	13.0	-
317	Handbags and personal leather goods	30.8	30.3	31.2	29.7	-	25.4	24.9	26.3	24.8	-
-	TRANSPORTATION AND PUBLIC UTILITIES	4,773	4,706	4,972	4,988	4,923	4,048	3,976	4,171	4,185	4,121
40	RAILROAD TRANSPORTATION	534.1	518.5	552.9	544.1	-	-	-	-	-	-
4011	Class I railroads ²	493.0	471.0	509.9	501.8	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	265.1	265.4	268.4	268.6	-	244.0	244.4	247.9	248.2	-
411	Local and suburban transportation	73.1	73.5	72.7	71.8	-	67.1	67.5	67.4	66.4	-
412	Taxicabs	68.9	68.7	67.9	68.6	-	-	-	-	-	-
413	Intercity highway transportation	36.4	36.7	36.9	37.6	-	33.3	33.6	33.8	34.6	-
415	School buses	75.3	75.0	76.6	76.8	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,250.6	1,202.5	1,309.0	1,319.5	-	1,109.9	1,061.1	1,161.9	1,169.2	-
421.3	Trucking and trucking terminals	1,163.5	1,118.2	1,221.4	1,231.5	-	1,034.6	988.7	1,086.0	1,093.1	-
422	Public warehousing	87.1	84.3	87.6	88.0	-	75.3	72.4	75.9	76.1	-
44	WATER TRANSPORTATION	203.2	201.3	209.7	212.6	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	390.8	390.3	400.6	406.0	-	-	-	-	-	-
451.2	Air transportation	348.2	347.8	355.6	360.6	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	18.8	18.6	18.9	18.9	-	13.5	13.4	13.5	13.5	-
47	TRANSPORTATION SERVICES	161.2	162.1	173.7	173.3	-	-	-	-	-	-
48	COMMUNICATION	1,195.3	1,194.5	1,255.7	1,261.4	-	909.7	906.3	948.4	956.2	-
481	Telephone communication	964.7	962.8	1,011.0	1,013.7	-	722.0	719.5	748.7	753.9	-
483	Radio and television broadcasting	172.2	172.9	180.2	181.1	-	136.6	135.5	143.1	144.1	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	754.2	752.7	783.3	783.8	-	621.1	618.2	638.8	638.9	-
491	Electric services	343.3	342.3	363.1	363.6	-	279.8	277.8	292.9	293.2	-
492	Gas production and distribution	157.6	157.7	160.6	160.8	-	129.3	129.4	131.3	131.3	-
493	Combination utility services	188.9	188.7	190.0	190.3	-	156.2	155.6	154.4	154.9	-
495	Sanitary services	41.4	41.8	44.6	44.3	-	36.7	37.3	39.6	39.2	-
-	WHOLESALE AND RETAIL TRADE	19,568	18,806	19,971	20,371	19,628	17,319	16,581	17,627	18,013	17,262
50,51	WHOLESALE TRADE	4,797	4,768	4,988	5,004	4,968	3,955	3,926	4,109	4,115	4,081
50	WHOLESALE TRADE—DURABLE GOODS	2,767	2,763	2,922	2,933	-	2,281	2,274	2,397	2,404	-
501	Motor vehicles and automotive equipment	407.1	405.5	429.1	430.1	-	334.5	333.0	351.7	352.0	-
502	Furniture and home furnishing	97.0	96.6	101.4	101.4	-	79.1	78.4	82.2	82.3	-
503	Lumber and construction materials	168.8	166.7	179.0	178.6	-	140.4	138.2	149.4	149.1	-
504	Sporting goods, toys, and hobby goods	63.5	62.0	63.5	63.7	-	52.9	51.4	52.7	52.8	-
505	Metals and minerals, except petroleum	132.2	131.8	141.8	142.5	-	106.9	106.8	115.2	115.8	-
506	Electrical goods	383.4	385.2	405.0	407.1	-	316.8	317.3	334.3	335.5	-
507	Hardware, plumbing, and heating equipment	223.9	225.1	238.4	239.7	-	187.1	187.1	197.2	198.6	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1, 102.4	1, 104.8	1, 164.0	1, 170.0	-	905.6	906.9	946.7	949.1	-
509	Miscellaneous durable goods	188.5	184.8	199.3	200.2	-	157.4	154.4	168.0	169.0	-
51	WHOLESALE TRADE-NONDURABLE GOODS ..	2, 030	2, 005	2, 066	2, 071	-	1, 674	1, 654	1, 712	1, 711	-
511	Paper and paper products	129.9	130.0	134.8	135.8	-	106.6	106.9	109.6	109.9	-
512	Drugs, proprietaries, and sundries	132.1	132.1	139.4	140.1	-	113.0	113.0	119.5	120.2	-
513	Apparel, piece goods, and notions	156.7	154.0	160.5	159.8	-	123.7	121.6	127.8	125.9	-
514	Groceries and related products	623.5	613.2	620.1	621.5	-	538.0	529.2	540.4	539.8	-
516	Chemical and allied products	115.5	114.9	116.2	117.8	-	81.3	80.7	83.4	84.3	-
517	Petroleum and petroleum products	228.4	227.3	222.6	224.4	-	178.4	177.5	168.0	169.3	-
518	Beer, wine, and distilled beverages	128.9	126.3	134.9	136.3	-	109.6	106.7	114.9	116.2	-
519	Miscellaneous nondurable goods	354.0	350.2	363.6	364.0	-	291.9	288.0	301.0	301.5	-
52-59	RETAIL TRADE	14, 771	14, 038	14, 983	15, 367	14, 660	13, 364	12, 655	13, 518	13, 898	13, 181
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	576.7	560.0	599.5	601.9	-	491.5	474.4	512.6	514.8	-
521	Lumber and other building materials	307.5	300.0	320.8	317.9	-	263.0	256.3	276.3	273.2	-
525	Hardware stores	145.4	140.3	145.3	149.7	-	125.6	120.0	124.5	128.9	-
53	GENERAL MERCHANDISE STORES	2, 628.2	2, 355.7	2, 479.4	2, 669.3	-	2, 455.6	2, 191.6	2, 323.6	2, 510.2	-
531	Department stores	2, 145.5	1, 928.5	2, 010.9	2, 160.9	-	2, 015.8	1, 805.1	1, 897.6	2, 044.6	-
533	Variety stores	325.3	292.3	309.3	333.0	-	303.3	271.7	288.6	311.8	-
539	Misc. general merchandise stores	157.4	134.9	159.2	175.4	-	136.5	114.8	137.4	153.8	-
54	FOOD STORES	2, 195.0	2, 155.4	2, 273.4	2, 299.5	-	2, 027.7	1, 989.0	2, 097.6	2, 122.1	-
541	Grocery stores	1, 917.6	1, 896.7	1, 997.9	2, 015.2	-	1, 774.3	1, 754.1	1, 845.6	1, 861.3	-
542	Meat markets and freezer provisioners	51.4	48.6	48.5	49.6	-	-	-	-	-	-
546	Retail bakeries	118.5	114.1	120.4	121.2	-	108.9	104.7	110.9	111.5	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1, 817.3	1, 812.2	1, 877.9	1, 880.0	-	1, 567.4	1, 561.2	1, 611.4	1, 613.6	-
551.2	New and used car dealers	861.6	861.5	897.1	896.3	-	719.9	719.4	748.0	746.4	-
563	Auto and home supply stores	247.3	247.1	255.4	259.7	-	217.6	217.8	223.2	226.9	-
564	Gasoline service stations	634.7	630.6	648.9	648.2	-	568.3	563.4	575.1	575.8	-
56	APPAREL AND ACCESSORY STORES	993.5	889.9	932.1	1, 012.4	-	876.2	773.3	810.8	889.5	-
561	Men's and boys' clothing and furnishings	162.6	144.7	147.6	166.1	-	141.9	124.1	126.4	144.8	-
562	Women's ready-to-wear stores	366.6	326.6	344.1	370.1	-	324.9	285.0	301.8	327.1	-
565	Family clothing stores	185.8	158.0	169.8	192.8	-	167.9	140.7	150.9	173.5	-
566	Shoe stores	182.0	172.8	179.2	188.7	-	155.7	145.9	150.8	160.1	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	603.6	586.7	611.0	621.1	-	508.7	490.1	508.9	518.9	-
571	Furniture and home furnishings	360.8	353.2	365.1	367.2	-	307.1	298.9	307.8	310.1	-
572	Household appliance stores	89.5	86.2	91.5	92.6	-	77.6	74.2	77.9	79.1	-
573	Radio, television, and music stores	153.3	147.3	154.4	161.3	-	124.0	117.0	123.2	129.7	-
58	EATING AND DRINKING PLACES	4, 036.4	3, 908.5	4, 336.1	4, 332.1	-	3, 737.8	3, 617.6	3, 995.8	3, 991.9	-
59	MISCELLANEOUS RETAIL	1, 919.8	1, 769.9	1, 873.3	1, 950.5	-	1, 699.4	1, 557.7	1, 656.8	1, 737.3	-
591	Drug stores and proprietary stores	547.1	499.5	511.7	536.3	-	498.2	454.6	467.1	491.1	-
592	Liquor stores	121.1	114.9	125.4	130.5	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	542.4	496.3	539.3	574.5	-	472.3	425.7	464.6	500.2	-
596	Nonstore retailers	303.0	272.5	303.3	302.3	-	281.7	253.4	284.7	287.2	-
598	Fuel and ice dealers	109.0	110.6	103.7	108.0	-	93.2	94.6	88.3	92.5	-
599	Retail stores, nec.	246.0	225.8	235.8	245.5	-	209.7	191.8	200.8	210.9	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	4, 533	4, 526	4, 760	4, 778	4, 777	3, 443	3, 434	3, 624	3, 636	3, 634
60	BANKING	1, 379.6	1, 381.6	1, 442.8	1, 450.6	-	1, 082.6	1, 082.7	1, 124.9	1, 130.4	-
602	Commercial and stock savings banks	1, 258.3	1, 260.0	1, 316.7	1, 323.6	-	984.6	984.6	1, 022.2	1, 027.3	-
61	CREDIT AGENCIES OTHER THAN BANKS	482.0	481.7	509.8	513.4	-	369.7	369.3	393.0	396.6	-
612	Savings and loan associations	204.7	205.7	219.6	221.7	-	160.7	160.8	171.8	173.8	-
614	Personal credit institutions	191.8	190.2	200.8	202.2	-	144.0	143.6	153.2	154.4	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	182.4	182.9	195.1	195.4	-	-	-	-	-	-
621	Security brokers and dealers	149.4	150.1	160.0	160.1	-	-	-	-	-	-
63	INSURANCE CARRIERS	1, 167.6	1, 169.4	1, 208.1	1, 212.5	-	813.2	813.1	845.9	847.1	-
531	Life insurance	522.7	521.5	521.2	522.0	-	311.9	310.9	312.8	311.6	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
632	INSURANCE CARRIERS—Continued										
	Medical service and health insurance	135.8	136.1	141.0	141.5	—	110.8	110.9	113.8	114.2	—
633	Fire, marine, and casualty insurance	441.5	443.2	473.0	476.0	—	335.2	335.2	359.3	361.0	—
64	INSURANCE AGENTS, BROKERS, AND SERVICE	376.8	376.7	404.1	405.8	—	—	—	—	—	—
65	REAL ESTATE	817.8	808.1	868.9	868.0	—	—	—	—	—	—
651	Real estate operators and lessors	417.6	412.7	434.8	434.6	—	—	—	—	—	—
653	Real estate agents and managers	276.3	275.7	295.5	296.9	—	—	—	—	—	—
655	Subdividers and developers	100.7	96.3	113.3	111.6	—	—	—	—	—	—
66	COMBINED REAL ESTATE, INSURANCE, ETC.	29.8	29.2	29.9	29.9	—	—	—	—	—	—
67	HOLDING AND OTHER INVESTMENT OFFICES	97.1	96.0	101.1	102.4	—	—	—	—	—	—
—	SERVICES	15,540	15,316	16,237	16,230	16,056	13,882	13,658	14,416	14,411	14,216
70	HOTELS AND OTHER LODGING PLACES	905.2	874.2	912.4	904.3	—	—	—	—	—	—
701	Hotels, motels, and tourist courts	872.4	841.6	882.5	873.3	—	800.4	771.0	810.6	803.5	—
72	PERSONAL SERVICES	898.5	892.1	899.9	904.0	—	—	—	—	—	—
721	Laundry, cleaning, and garment services	356.3	352.3	355.1	353.4	—	317.2	314.1	316.3	314.2	—
723	Beauty shops	283.0	280.2	281.0	285.0	—	259.5	257.2	258.7	262.6	—
726	Funeral service and crematories	68.8	68.9	70.7	71.2	—	—	—	—	—	—
73	BUSINESS SERVICES	2,455.3	2,396.7	2,660.7	2,662.5	—	2,139.0	2,077.5	2,315.3	2,312.8	—
731	Advertising	134.5	133.2	146.6	146.2	—	100.1	98.9	108.0	108.0	—
732	Credit reporting and collection	84.3	83.9	87.7	87.7	—	—	—	—	—	—
733	Mailing, reproduction, stenographic	96.9	97.4	107.5	104.1	—	—	—	—	—	—
734	Services to buildings	437.3	431.4	457.3	457.1	—	393.4	386.6	410.7	411.6	—
736	Personnel supply services	396.0	361.2	433.6	433.2	—	—	—	—	—	—
737	Computer and data processing services	194.7	197.5	220.8	225.7	—	159.6	162.7	182.2	185.7	—
75	AUTO REPAIR, SERVICES, AND GARAGES	505.6	497.2	524.8	528.9	—	435.3	427.7	452.0	456.2	—
753	Automotive repair shops	306.8	304.9	318.5	320.8	—	260.7	259.9	272.4	274.7	—
76	MISCELLANEOUS REPAIR SERVICES	242.9	240.4	247.3	250.3	—	209.7	207.0	211.7	214.2	—
78	MOTION PICTURES	221.8	207.6	219.2	214.2	—	195.8	181.9	193.2	189.8	—
781	Motion picture production and services	93.8	81.6	88.2	86.0	—	82.1	70.2	76.1	75.1	—
783	Motion picture theaters	117.7	115.7	120.6	118.0	—	—	—	—	—	—
79	AMUSEMENT AND RECREATION SERVICES	613.4	582.5	639.7	622.3	—	551.2	522.0	574.1	560.6	—
80	HEALTH SERVICES	4,649.3	4,660.4	4,843.3	4,853.2	—	4,152.8	4,164.0	4,313.3	4,327.9	—
801	Offices of physicians	664.7	664.4	691.8	694.8	—	552.1	552.4	566.9	571.5	—
802	Offices of dentists	285.6	284.5	291.6	292.9	—	252.7	251.0	254.5	255.8	—
805	Nursing and personal care facilities	871.7	874.6	922.6	923.9	—	787.8	790.7	831.3	832.4	—
806	Hospitals	2,490.9	2,499.3	2,580.3	2,582.1	—	2,265.7	2,275.8	2,354.5	2,359.4	—
81	LEGAL SERVICES	404.2	403.5	433.6	435.8	—	352.3	351.6	373.8	375.5	—
82	EDUCATIONAL SERVICES	1,091.2	1,044.4	1,105.7	1,086.9	—	—	—	—	—	—
821	Elementary and secondary schools	236.3	235.0	239.6	236.7	—	—	—	—	—	—
822	Colleges and universities	753.3	709.2	760.0	743.7	—	—	—	—	—	—
83	SOCIAL SERVICES	881.2	879.2	960.8	972.5	—	—	—	—	—	—
86	MEMBERSHIP ORGANIZATIONS	1,520.4	1,500.7	1,544.9	1,553.2	—	—	—	—	—	—
89	MISCELLANEOUS SERVICES	807.8	814.7	880.2	888.1	—	673.6	678.7	729.5	732.9	—
891	Engineering and architectural services	437.2	436.5	476.6	477.7	—	369.9	368.4	401.6	402.1	—
893	Accounting, auditing, and bookkeeping	258.0	264.7	276.8	282.6	—	209.2	214.9	220.8	226.4	—
—	GOVERNMENT	15,482	15,352	15,703	15,694	15,530	—	—	—	—	—
—	FEDERAL GOVERNMENT	2,724	2,711	2,746	2,733	2,717	—	—	—	—	—
—	Executive	2,673.1	2,659.5	2,694.4	2,681.2	—	—	—	—	—	—
—	Department of Defense	907.7	906.4	905.3	902.0	—	—	—	—	—	—
—	Postal Service	668.2	645.6	651.4	651.4	—	—	—	—	—	—
—	Other executive agencies	1,097.2	1,107.5	1,137.7	1,127.8	—	—	—	—	—	—
—	Manufacturing activities	140.1	140.3	140.1	140.2	—	—	—	—	—	—
—	Shipbuilding	70.9	71.4	72.2	72.2	—	—	—	—	—	—

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 worker ¹				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p	Dec. 1977	Jan. 1978	Nov. 1978	Dec. p 1978	Jan. 1979 ^p
	Executive—Continued										
	Transportation and public utilities, except										
	Postal Service	37.1	36.9	38.4	37.7	--	--	--	--	--	--
-	Services	373.7	372.9	378.4	376.1	--	--	--	--	--	--
-	Hospitals	231.0	231.5	231.7	230.8	--	--	--	--	--	--
-	Legislative	38.8	39.0	38.7	38.7	--	--	--	--	--	--
-	Judicial	12.5	12.6	12.9	12.9	--	--	--	--	--	--
	STATE AND LOCAL GOVERNMENT	12,758	12,641	12,957	12,961	12,813					
	State government	3,434.9	3,377.8	3,504.4	3493.0	--	--	--	--	--	--
-	Hospitals	547.7	550.5	556.5	559.1	--	--	--	--	--	--
-	State education	1,444.4	1,366.3	1,479.7	1,465.6	--	--	--	--	--	--
-	General administration including executive, legislative, and judicial functions	875.8	894.1	893.0	891.0	--	--	--	--	--	--
-	Local government	9,323.3	9,262.9	9,452.2	9,467.5	--	--	--	--	--	--
-	Transportation and public utilities	543.5	548.8	574.3	575.3	--	--	--	--	--	--
-	Hospitals	496.4	497.8	517.9	517.4	--	--	--	--	--	--
-	Local education	5,289.7	5,224.7	5,308.5	5,329.9	--	--	--	--	--	--
-	General administration including executive, legislative, and judicial functions	2,670.8	2,668.2	2,716.8	2,710.0	--	--	--	--	--	--

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.

^p Not available.

^p preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
-	TOTAL	34,002	34,336	35,251	35,741	36,138
-	PRIVATE SECTOR	26,888	27,127	28,302	28,474	28,764
-	MINING	67	68	78	79	80
10	METAL MINING	5.8	5.8	7.3	7.4	7.5
11, 12	COAL MINING	7.1	7.1	8.2	8.2	8.4
13	OIL AND GAS EXTRACTION	46.5	47.4	54.5	55.0	55.6
131, 2	Crude petroleum, natural gas, and natural gas liquids	30.7	31.2	35.0	35.2	35.6
138	Oil and gas field services	15.8	16.2	19.5	19.8	20.0
14	NONMETALLIC MINERALS, EXCEPT FUELS	7.5	7.7	8.4	8.4	8.4
142	Crushed and broken stone	2.4	2.4	2.7	2.7	2.7
144	Sand and gravel	2.3	2.4	2.6	2.6	2.6
-	CONSTRUCTION	314	315	341	342	341
15 -	GENERAL BUILDING CONTRACTORS	112.6	112.5	122.6	122.5	121.0
152	Residential building construction	66.2	66.2	73.7	73.4	71.6
153	Operative builders	15.9	16.0	17.0	16.7	16.8
154	Nonresidential building construction	30.5	30.3	31.9	32.4	32.6
16	HEAVY CONSTRUCTION CONTRACTORS	51.6	50.8	55.6	55.7	53.8
161	Highway and street construction	13.0	12.4	16.5	16.5	15.2
162	Heavy construction, except highway	38.6	38.4	39.1	39.2	38.6
17	SPECIAL TRADE CONTRACTORS	149.9	151.3	162.6	164.2	165.7
171	Plumbing, heating, air conditioning	42.2	42.8	45.7	46.0	46.3
172	Painting, paper hanging, decorating	9.3	9.5	10.3	10.7	10.9
173	Electrical work	27.2	27.4	29.0	29.2	29.0
174	Masonry, stonework, and plastering	17.7	17.8	18.4	18.8	19.3
175	Carpentering and flooring	11.8	11.9	12.5	12.6	13.2
176	Roofing and sheet metal work	10.1	10.1	11.3	11.5	11.4
-	MANUFACTURING	6,038	6,043	6,333	6,349	6,366
24, 25, 32-39	DURABLE GOODS	2,734	2,753	2,937	2,971	2,995
20-23, 26-31	NONDURABLE GOODS	3,304	3,290	3,396	3,378	3,371
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	102.0	102.4	108.8	109.6	110.1
241	Logging camps and logging contractors	4.5	4.4	5.2	5.1	4.9
242	Sawmills and planing mills	20.7	20.5	22.4	22.3	22.2
2421	Sawmills and planing mills, general	14.5	14.4	15.6	15.5	15.4
243	Millwork, plywood, and structural members	40.3	40.6	43.2	43.5	43.9
244	Wooden containers	7.2	7.1	7.1	7.1	7.0
245	Wood buildings and mobile homes	10.0	10.1	10.4	10.5	10.4
249	Miscellaneous wood products	19.3	19.7	20.5	21.1	21.7
26	FURNITURE AND FIXTURES	136.2	137.9	143.4	145.0	146.9
261	Household furniture	104.7	105.7	108.3	109.6	111.0
2511	Wood household furniture	43.7	44.2	44.8	45.0	45.4
2512	Upholstered household furniture	35.7	35.9	37.9	38.1	38.5
2615	Mattresses and bedsprings	8.5	8.5	8.8	8.9	8.6
262	Office furniture	9.0	9.2	10.3	10.4	10.6
263	Public building and related furniture	4.7	4.8	4.8	4.8	4.9
264	Partitions and fixtures	8.8	9.0	10.2	10.3	10.4
269	Miscellaneous furniture and fixtures	9.0	9.2	9.8	9.9	10.0
32	STONE, CLAY, AND GLASS PRODUCTS	127.1	128.6	132.2	132.7	132.7
322	Glass and glassware, pressed or blown	46.9	47.9	47.3	46.7	46.5
3221	Glass containers	27.7	28.6	27.4	26.8	26.5
3229	Pressed and blown glass, nec	19.2	19.3	19.9	19.9	20.0
323	Products of purchased glass	10.8	11.0	11.9	12.3	12.4
324	Cement, hydraulic	1.5	1.5	1.7	1.7	1.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
STONE, CLAY, AND GLASS PRODUCTS—Continued						
325	Structural clay products	6.4	6.4	6.4	6.5	6.5
326	Pottery and related products	17.4	17.2	17.6	17.9	18.0
327	Concrete, gypsum, and plaster products	13.3	13.3	14.6	14.4	14.4
329	Misc. nonmetallic mineral products	27.8	28.3	29.8	30.4	30.5
PRIMARY METAL INDUSTRIES						
33	.....	112.5	112.8	124.1	125.1	125.8
331	Blast furnace and basic steel products	34.2	33.9	39.2	39.2	39.5
3312	Blast furnaces and steel mills	26.4	26.1	30.8	30.7	30.9
332	Iron and steel foundries	17.0	16.9	19.4	19.8	20.4
3321	Gray iron foundries	8.9	8.9	10.0	10.1	10.4
3322	Malleable iron foundries	1.5	1.4	1.6	1.6	1.7
3325	Steel foundries, nec	3.8	3.8	4.5	4.6	4.7
333	Primary nonferrous metals	4.3	4.3	4.5	4.5	4.4
3334	Primary aluminum	1.4	1.4	1.6	1.6	1.6
335	Nonferrous rolling and drawing	37.0	37.5	40.0	40.3	40.2
3351	Copper rolling and drawing	3.0	3.0	3.7	3.7	3.6
3353	Aluminum sheet, plate, and foil	4.2	4.2	4.6	4.7	4.6
3357	Nonferrous wire drawing and insulating	22.5	22.9	23.3	23.6	23.8
336	Nonferrous foundries	15.1	15.4	16.1	16.3	16.5
3361	Aluminum foundries	7.0	7.1	7.2	7.5	7.6
FABRICATED METAL PRODUCTS						
34	.....	326.2	327.8	343.4	348.2	350.6
341	Metal cans and shipping containers	12.7	11.7	13.2	12.7	12.9
3411	Metal cans	11.1	10.2	11.5	11.0	11.2
342	Cutlery, hand tools, and hardware	61.0	61.6	62.8	63.9	64.8
3423, B	Hand and edge tools, and hand saws and blades	16.2	16.3	16.9	17.1	17.4
3429	Hardware, nec	37.7	38.3	38.7	39.5	40.1
343	Plumbing and heating, except electric	15.9	16.2	17.4	17.5	17.8
344	Fabricated structural metal products	66.3	66.3	69.6	70.3	71.0
3441	Fabricated structural metal	6.8	6.8	7.2	7.3	7.4
3442	Metal doors, sash, and trim	24.2	24.1	23.4	23.6	23.7
3443	Fabricated plate work (boiler shops)	14.0	14.2	15.2	15.3	15.6
3444	Sheet metal work	12.7	12.7	14.1	14.2	14.3
345	Screw machine products, bolts, etc.	21.3	21.7	23.1	23.7	24.0
3451	Screw machine products	10.9	11.1	12.0	12.3	12.4
3452	Bolts, nuts, rivets, and washers	10.4	10.6	11.1	11.4	11.6
346	Metal forgings and stampings	56.5	56.4	57.9	59.1	58.8
3462	Iron and steel forgings	3.7	3.8	4.2	4.5	4.4
3465	Automotive stampings	15.5	15.5	15.8	16.3	16.2
3469	Metal stampings, nec	35.1	35.1	35.8	36.2	36.0
347	Metal services, nec	23.2	23.8	24.2	24.5	24.8
3471	Plating and polishing	17.3	17.8	17.6	17.9	18.1
3479	Metal coating and allied services	5.9	6.0	6.6	6.6	6.7
348	Ordnance and accessories, nec	15.3	15.6	16.1	16.1	16.2
349	Misc. fabricated metal products	54.0	54.5	59.1	60.4	60.3
3494	Valves and pipe fittings	19.4	19.5	21.2	21.1	21.5
3496	Misc. fabricated wire products	11.5	11.8	13.0	13.4	13.5
MACHINERY, EXCEPT ELECTRICAL						
35	.....	396.6	403.9	441.9	447.7	453.1
351	Engines and turbines	20.6	20.6	22.8	23.3	24.3
3511	Turbines and turbine generator sets	5.7	5.8	6.2	6.1	6.1
3519	Internal combustion engines, nec	14.9	14.8	16.6	17.2	18.2
352	Farm and garden machinery	21.8	21.9	23.3	23.8	24.0
3523	Farm machinery and equipment	17.8	17.6	18.4	19.0	18.9
353	Construction and related machinery	37.0	37.5	41.9	42.4	43.0
3531	Construction machinery	13.2	13.3	14.4	14.5	14.5
3533	Oil field machinery	7.8	8.0	9.2	9.4	9.6
354	Metalworking machinery	48.1	48.9	52.5	53.1	53.6
3541	Machine tools, metal cutting types	7.4	7.5	8.3	8.5	8.7
3544	Special dies, tools, jigs, and fixtures	12.7	13.2	14.5	14.9	15.0
3545	Machine tool accessories	12.0	12.1	13.1	13.2	13.6
355	Special industry machinery	27.3	27.6	29.9	30.4	30.7
3551	Food products machinery	5.8	5.8	6.2	6.2	6.2
3552	Textile machinery	5.9	5.9	5.9	5.9	5.9
3555	Printing trades machinery	5.4	5.5	6.9	7.0	7.3
356	General industrial machinery	53.3	54.2	58.4	58.8	59.2
3561	Pumps and pumping equipment	10.3	10.5	10.9	11.1	11.1
3562	Ball and roller bearings	13.0	13.2	13.7	13.8	14.1
357	Office and computing machines	108.5	111.2	128.6	129.9	131.5
3573	Electronic computing equipment	82.5	84.7	99.3	100.4	101.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
MACHINERY, EXCEPT ELECTRICAL—Continued						
358	Refrigeration and service machinery	33.8	34.8	36.7	37.6	37.5
3585	Refrigeration and heating equipment	22.1	23.1	23.6	24.5	24.3
359	Misc. machinery, except electrical	46.2	47.2	47.8	48.4	49.3
3599	Machinery, except electrical, nec	37.0	37.7	37.5	37.9	38.5
ELECTRIC AND ELECTRONIC EQUIPMENT						
36	Electric distributing equipment	794.5	801.9	836.3	844.8	851.5
361	Transformers	43.8	43.9	43.0	43.4	43.7
3612	Switchgear and switchboard apparatus	19.6	19.8	20.2	20.4	20.4
3613	Electrical industrial apparatus	24.2	24.1	22.8	23.0	23.3
362	Motors and generators	86.9	87.7	93.7	94.3	95.2
3621	Industrial controls	47.7	48.3	52.0	52.4	52.8
3622	Household appliances	27.9	28.0	29.4	29.5	29.6
363	Household refrigerators and freezers	62.6	62.8	62.7	63.0	59.9
3632	Household laundry equipment	11.1	11.4	11.2	10.7	9.5
3633	Electric housewares and fans	4.4	4.6	4.7	4.7	4.4
3634	Electric lighting and wiring equipment	28.6	28.3	28.5	28.8	27.9
364	Electric lamps	94.6	95.9	101.6	102.4	103.3
3641	Current-carrying wiring devices	24.2	24.6	24.5	24.7	25.0
3643	Radio and TV receiving equipment	40.5	41.1	45.3	45.6	46.0
365	Radio and TV receiving sets	70.9	71.6	67.2	68.4	68.5
3651	Communication equipment	53.4	52.7	50.9	51.6	51.8
366	Telephone and telegraph apparatus	169.2	171.0	179.3	181.4	184.2
3661	Radio and TV communication equipment	71.0	71.5	72.7	73.1	73.5
3662	Electronic components and accessories	98.2	99.5	106.6	108.3	110.7
367	Electronic tubes	214.3	215.9	233.2	235.9	240.1
3671-3	Semiconductors and related devices	15.6	15.7	16.6	16.6	16.8
3674	Electronic components, nec	73.5	73.8	80.1	81.9	83.8
3679	Misc. electrical equipment and supplies	85.7	86.9	94.5	95.3	96.5
369	Engine electrical equipment	52.2	53.1	55.6	56.0	56.6
3694	.....	25.8	26.6	28.2	28.4	28.8
TRANSPORTATION EQUIPMENT						
37	Motor vehicles and equipment	266.4	265.7	299.8	305.3	310.4
371	Motor vehicles and car bodies	128.7	129.0	138.2	141.3	143.1
3711	Truck and bus bodies	51.3	50.6	55.2	56.3	56.7
3713	Motor vehicle parts and accessories	5.3	5.4	5.8	5.7	5.8
3714	Aircraft and parts	70.4	71.2	75.1	77.2	78.4
372	Aircraft	76.5	76.6	96.9	99.4	101.8
3721	Aircraft engines and engine parts	43.0	42.5	58.7	60.3	61.7
3724	Aircraft equipment, nec	18.0	18.4	20.6	20.9	21.5
3728	Ship and boat building and repairing	15.5	15.7	17.6	18.2	18.6
373	Ship building and repairing	23.2	22.9	22.3	22.5	22.4
3731	Railroad equipment	15.5	15.4	14.6	14.6	14.6
374	Guided missiles, space vehicles, parts	4.6	4.7	5.1	5.3	5.3
376	Guided missiles and space vehicles	14.3	14.4	16.2	16.0	16.8
3761	Miscellaneous transportation equipment	11.5	11.6	12.9	12.7	13.4
379	.....	13.2	12.3	15.7	15.4	15.4
INSTRUMENTS AND RELATED PRODUCTS						
38	Engineering and scientific instruments	258.6	259.7	282.5	284.3	288.2
381	Measuring and controlling devices	18.3	18.6	21.1	21.1	21.7
382	Environmental controls	84.1	85.4	93.7	93.9	94.9
3822	Process control instruments	23.9	24.3	24.3	24.2	24.0
3823	Instruments to measure electricity	14.8	14.9	15.8	16.2	16.3
3825	Optical instruments and lenses	32.2	32.4	39.2	39.3	39.5
383	Medical instruments and supplies	9.0	9.0	9.8	10.0	10.4
384	Surgical and medical instruments	69.7	70.4	77.7	78.3	80.2
3841	Surgical appliances and supplies	29.7	30.2	33.5	34.0	35.5
3842	Ophthalmic goods	31.9	32.0	35.2	35.5	35.8
385	Photographic equipment and supplies	23.3	22.7	23.8	23.8	23.8
386	Watches, clocks, and watchcases	35.0	35.0	37.2	37.7	37.9
387	.....	19.2	18.6	19.2	19.5	19.3
MISCELLANEOUS MANUFACTURING INDUSTRIES						
39	Jewelry, silverware, and plated ware	214.1	212.4	224.9	228.6	226.0
391	Musical instruments	28.6	29.7	30.2	31.1	31.1
393	Toys and sporting goods	11.1	11.2	12.3	12.1	12.4
394	Dolls, games, toys, and children's vehicles	69.3	65.3	68.2	69.0	66.4
3942, 4	Sporting and athletic goods, nec	37.6	33.2	38.4	39.3	37.1
3949	Pens, pencils, office and art supplies	31.7	32.1	29.8	29.7	29.3
395	Costume jewelry and notions	18.7	18.7	18.9	19.2	19.3
398	Miscellaneous manufactures	36.9	38.5	42.1	43.6	44.0
399	.....	49.5	49.0	53.2	53.6	52.8

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	503.2	484.2	536.9	508.5	495.8
201	Meat products	108.0	107.8	111.5	112.4	113.9
2011	Meat packing plants	26.7	26.7	27.6	27.6	27.9
2013	Sausages and other prepared meats	20.5	20.3	20.5	20.5	20.9
2016	Poultry dressing plants	53.8	53.6	56.3	56.8	57.5
202	Dairy products	37.6	37.3	39.1	38.6	38.3
2026	Fluid milk	20.0	19.9	20.0	19.9	19.9
203	Preserved fruits and vegetables	110.1	96.0	138.8	106.5	95.2
2032	Canned specialties	9.6	9.5	10.7	10.4	9.6
2033	Canned fruits and vegetables	42.9	31.6	70.3	38.3	30.8
2037	Frozen fruits and vegetables	22.2	22.2	21.1	21.6	21.3
204	Grain mill products	28.3	28.1	28.8	29.0	28.9
205	Bakery products	62.8	62.3	61.5	61.3	61.6
2051	Bread, cake, and related products	43.2	43.4	42.0	42.0	42.4
2052	Cookies and crackers	19.6	18.9	19.5	19.3	19.2
206	Sugar and confectionery products	44.3	42.8	41.8	45.6	44.5
207	Fats and oils	5.1	5.1	4.8	4.9	5.0
208	Beverages	36.1	36.3	35.5	35.7	35.6
2082	Malt beverages	5.5	5.3	5.8	5.6	5.6
2086	Bottled and canned soft drinks	15.4	15.5	16.8	17.0	17.0
209	Misc. foods and kindred products	70.9	68.5	75.1	74.5	72.8
21	TOBACCO MANUFACTURES	29.9	29.3	29.2	29.8	29.2
211	Cigarettes	15.4	15.5	15.0	15.1	15.2
22	TEXTILE MILL PRODUCTS	431.5	433.1	432.9	433.1	432.8
221	Weaving mills, cotton	67.7	67.8	65.1	65.4	65.9
222	Weaving mills, synthetics	50.3	50.5	48.9	49.3	49.4
223	Weaving and finishing mills, wool	7.6	7.8	8.0	8.1	8.1
224	Narrow fabric mills	14.8	15.2	15.4	15.4	15.6
225	Knitting mills	155.0	155.5	159.6	158.4	156.4
2251	Women's hosiery, except socks	21.8	22.0	23.3	23.9	24.6
2252	Hosiery, nec	25.3	25.5	26.0	26.0	26.1
2253	Knit outerwear mills	57.3	57.2	56.9	55.3	53.2
2254	Knit underwear mills	24.9	25.2	28.1	28.2	28.4
2257	Circular knit fabric mills	15.2	15.2	14.9	14.8	14.3
226	Textile finishing, except wool	24.1	24.4	23.6	23.3	23.3
2281	Finishing plants, cotton	9.9	10.1	10.2	10.3	10.3
2282	Finishing plants, synthetic	6.7	6.8	6.5	5.9	6.1
227	Floor covering mills	24.8	24.6	25.5	25.8	25.8
228	Yarn and thread mills	65.8	65.8	65.6	66.2	66.8
2281	Yarn mills, except wool	40.5	40.6	41.3	42.0	42.1
2282	Throwing and winding mills	12.4	12.7	12.4	12.5	12.5
229	Miscellaneous textile goods	21.4	21.5	21.2	21.2	21.5
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,078.1	1,079.0	1,076.6	1,077.0	1,074.7
231	Men's and boys' suits and coats	70.2	69.5	69.2	68.5	68.4
232	Men's and boys' furnishings	318.7	318.0	312.6	310.3	311.3
2321	Men's and boys' shirts and nightwear	92.9	91.4	92.4	92.7	91.8
2327	Men's and boys' separate trousers	71.6	72.3	69.6	69.3	69.4
2328	Men's and boys' work clothing	83.9	84.1	79.1	77.6	80.4
233	Women's and misses' outerwear	362.2	363.6	366.0	369.1	366.8
2331	Women's and misses' blouses and waists	50.3	50.7	52.1	52.6	53.0
2335	Women's and misses' dresses	138.6	138.7	138.9	140.4	138.5
2337	Women's and misses' suits and coats	55.1	53.9	55.7	54.4	52.2
2339	Women's and misses' outerwear, nec	188.2	120.3	119.3	121.7	123.1
234	Women's and children's undergarments	84.5	84.6	82.2	82.0	81.3
2341	Women's and children's underwear	67.6	67.5	66.4	66.2	65.4
2342	Brassieres and allied garments	16.9	17.1	15.8	15.8	15.9
238	Children's outerwear	58.4	58.1	58.9	59.0	58.1
2381	Children's dresses and blouses	23.5	23.8	22.5	22.9	22.9
238	Misc. apparel and accessories	49.3	49.1	48.3	47.7	47.9
239	Misc. fabricated textile products	121.8	122.9	126.2	127.1	127.6
2391	Curtains and draperies	24.8	25.5	24.7	24.6	24.5
2392	House furnishings, nec	33.3	33.9	33.5	33.6	32.9
2396	Automotive and apparel trimmings	18.8	18.2	19.4	19.9	20.1
26	PAPER AND ALLIED PRODUCTS	155.5	155.5	160.5	159.6	161.1
261, 2,6	Paper and pulp mills	25.2	25.2	25.6	24.5	25.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
PAPER AND ALLIED PRODUCTS—Continued						
262	Paper mills, except building paper	22.7	22.6	23.0	21.9	23.0
263	Paperboard mills	5.3	5.3	5.9	5.9	5.9
264	Misc. converted paper products	73.0	72.9	76.0	75.5	75.5
265	Paperboard containers and boxes	52.0	52.1	53.0	53.7	54.1
27	PRINTING AND PUBLISHING	433.8	435.6	454.2	460.8	465.6
271	Newspapers	135.4	136.5	141.9	144.9	147.0
272	Periodicals	44.2	44.3	47.9	48.6	49.0
273	Books	51.0	52.1	52.1	53.1	54.2
274	Miscellaneous publishing	25.1	25.1	25.7	25.5	25.6
275	Commercial printing	112.6	112.7	118.2	119.8	121.0
2751	Commercial printing, letterpress	52.0	52.4	54.7	54.9	56.0
2752	Commercial printing, lithographic	55.4	54.9	58.6	59.9	59.9
276	Manifold business forms	13.3	13.5	14.2	14.2	14.4
278	Blankbooks and bookbinding	30.6	30.2	32.3	32.8	32.4
279	Printing trade services	7.6	7.4	8.2	8.4	8.5
28	CHEMICALS AND ALLIED PRODUCTS	248.1	246.8	260.9	261.4	262.1
281	Industrial inorganic chemicals	20.8	21.0	22.6	22.8	22.9
2819	Industrial inorganic chemicals, nec	14.3	14.4	15.5	15.7	15.8
282	Plastics materials and synthetics	42.2	42.0	44.3	44.0	44.7
2821	Plastics materials and resins	9.4	9.5	10.3	10.4	10.5
2824	Organic fibers, noncellulosic	25.3	24.8	25.7	25.5	25.9
283	Drugs	72.2	72.4	73.5	74.4	75.0
2834	Pharmaceutical preparations	61.7	61.9	62.4	63.2	63.7
284	Soap, cleaners, and toilet goods	52.3	50.9	57.2	56.9	55.9
2841	Soap and other detergents	8.8	8.7	9.5	9.4	9.4
2844	Toilet preparations	32.1	30.9	35.3	35.0	33.8
285	Paints and allied products	11.3	10.9	12.6	12.7	12.8
286	Industrial organic chemicals	23.4	23.5	23.5	23.6	23.4
2861,9	Gum, wood, and industrial organic chemicals, nec	18.8	18.9	19.0	19.2	19.1
287	Agricultural chemicals	8.6	8.8	9.3	9.3	9.4
289	Miscellaneous chemical products	17.3	17.3	17.9	17.7	18.0
29	PETROLEUM AND COAL PRODUCTS	23.7	23.8	25.0	24.8	25.0
291	Petroleum refining	18.8	18.9	20.0	19.7	19.8
30	RUBBER AND MISC. PLASTICS PRODUCTS	246.6	248.0	265.7	269.7	272.2
301	Tires and inner tubes	12.2	12.2	12.2	12.2	12.2
302	Rubber and plastics footwear	14.1	14.3	13.3	13.7	13.8
303,4	Reclaimed rubber, and rubber and plastics hose and belting	6.2	6.2	6.0	6.1	5.8
306	Fabricated rubber products, nec	38.4	38.5	39.1	39.7	40.4
307	Miscellaneous plastics products	175.7	176.8	195.1	198.0	200.0
31	LEATHER AND LEATHER PRODUCTS	153.7	154.6	154.1	153.2	152.0
311	Leather tanning and finishing	3.1	3.1	3.1	3.2	3.1
314	Footwear, except rubber	103.1	104.1	104.6	102.9	102.2
3143	Men's footwear, except athletic	41.0	41.3	40.0	39.4	38.9
3144	Women's footwear, except athletic	41.1	41.3	43.6	42.6	42.4
316	Luggage	9.5	9.3	10.0	9.8	9.9
317	Handbags and personal leather goods	24.2	23.9	22.2	22.7	22.2
-	TRANSPORTATION AND PUBLIC UTILITIES	1,064	1,069	1,137	1,151	1,156
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	52.0	52.4	53.6	55.1	56.1
411	Local and suburban transportation	8.3	8.4	9.6	9.4	9.8
412	Taxicabs	6.9	7.0	7.3	7.6	7.8
413	Intercity highway transportation	4.7	4.6	4.8	4.6	4.5
416	School buses	29.9	30.1	29.4	30.9	31.5
42	TRUCKING AND WAREHOUSING	129.6	129.4	139.3	141.2	142.6
421,3	Trucking and trucking terminals	113.8	114.0	123.8	124.8	126.8
422	Public warehousing	15.8	15.4	15.5	16.4	15.8
44	WATER TRANSPORTATION	15.9	15.1	18.0	18.0	18.2

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
45	TRANSPORTATION BY AIR	116.2	116.9	122.0	122.5	123.1
451,2	Air transportation	110.0	110.6	115.0	115.3	116.1
46	PIPE LINES, EXCEPT NATURAL GAS	2.1	2.1	2.0	2.0	2.0
47	TRANSPORTATION SERVICES	68.5	68.5	75.9	76.0	75.9
48	COMMUNICATION	536.4	540.5	572.7	580.9	582.6
481	Telephone communication	473.8	477.1	505.0	512.1	513.2
483	Radio and television broadcasting	48.4	49.2	52.8	53.5	54.1
49	ELECTRIC, GAS, AND SANITARY SERVICES	124.4	125.3	132.8	133.2	133.5
491	Electric services	55.7	55.6	59.6	60.1	60.2
492	Gas production and distribution	30.5	31.2	33.0	32.9	32.8
493	Combination utility services	29.9	30.1	30.9	30.9	31.1
495	Sanitary services	3.9	4.0	4.5	4.5	4.5
	WHOLESALE AND RETAIL TRADE	7,911	8,112	8,348	8,413	8,611
50,51	WHOLESALE TRADE	1,170	1,176	1,227	1,258	1,265
50	WHOLESALE TRADE-DURABLE GOODS	623	631	669	680	689
501	Motor vehicles and automotive equipment	82.7	83.4	89.5	90.4	91.4
502	Furniture and home furnishings	32.8	33.7	34.8	35.1	36.0
503	Lumber and construction materials	26.3	26.3	28.8	29.2	29.3
504	Sporting goods, toys, and hobby goods	22.0	22.3	21.3	21.9	22.3
505	Metals and minerals, except petroleum	23.2	23.3	25.5	25.9	26.0
506	Electrical goods	100.3	102.6	110.9	112.0	114.1
507	Hardware, plumbing, and heating equipment	58.2	58.5	63.2	64.3	65.3
508	Machinery, equipment, and supplies	231.4	234.2	248.5	253.0	255.3
509	Miscellaneous durable goods	46.2	46.7	46.8	47.8	49.4
51	WHOLESALE TRADE-NONDURABLE GOODS	547	545	558	578	576
511	Paper and paper products	37.7	38.2	38.4	39.0	39.2
512	Drugs, proprietaries, and sundries	56.8	56.6	58.9	59.8	60.5
513	Apparel, piece goods, and notions	74.8	75.1	77.6	78.6	77.7
514	Groceries and related products	147.3	144.4	143.5	145.8	143.1
516	Chemicals and allied products	27.2	27.4	29.3	29.2	29.3
517	Petroleum and petroleum products	43.8	44.0	47.4	47.0	47.4
518	Beer, wine, and distilled beverages	18.6	18.7	19.6	19.8	20.1
519	Miscellaneous nondurable goods	101.4	100.8	102.6	107.2	108.4
52-59	RETAIL TRADE	6,741	6,936	7,121	7,155	7,346
52	BUILDING MATERIALS AND GARDEN SUPPLIES	135.5	137.3	143.5	145.5	148.2
521	Lumber and other building materials	54.6	55.6	58.6	58.5	59.2
525	Hardware stores	47.3	47.9	48.8	49.6	51.4
53	GENERAL MERCHANDISE STORES	1,524.8	1,648.2	1,565.9	1,590.8	1,684.6
531	Department stores	1,217.3	1,318.1	1,240.4	1,264.5	1,345.4
533	Variety stores	218.5	235.6	230.3	228.8	239.2
539	Misc. general merchandise stores	89.0	94.5	95.2	97.5	100.0
54	FOOD STORES	869.0	885.0	902.9	916.7	938.1
541	Grocery stores	722.6	733.2	759.3	770.3	785.7
542	Meat markets and freezer provisioners	14.0	15.6	13.4	14.3	14.4
546	Retail bakeries	72.5	71.8	70.9	70.7	71.8
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	278.9	281.2	302.2	305.9	308.8
551,2	New and used car dealers	112.7	113.5	120.9	122.3	123.3
553	Auto and home supply stores	39.6	40.2	45.3	44.7	45.4
554	Gasoline service stations	112.7	114.1	122.0	124.9	126.2
56	APPAREL AND ACCESSORY STORES	589.4	609.9	593.9	605.6	639.6
561	Men's and boys' clothing and furnishings	58.4	61.1	58.0	60.3	64.1
562	Women's ready-to-wear stores	281.6	291.8	284.2	292.3	304.7
566	Family clothing stores	115.7	120.5	117.0	117.2	126.2
566	Shoe stores	66.5	67.7	69.2	70.2	73.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
57	FURNITURE AND HOME FURNISHING					
	STORES	179.2	183.4	184.2	186.4	192.4
571	Furniture and home furnishings	121.5	123.1	124.0	124.8	127.4
572	Household appliance stores	23.6	24.4	23.9	24.1	25.4
573	Radio, television, and music stores	34.1	35.9	36.3	37.5	39.6
58	EATING AND DRINKING PLACES ..	2,269.6	2,260.2	2,500.1	2,447.5	2,432.4
59	MISCELLANEOUS RETAIL	894.2	930.5	928.6	956.7	1,001.5
591	Drug stores and proprietary stores	276.7	280.8	298.8	302.0	307.6
592	Liquor stores	22.2	22.9	26.6	27.6	29.2
594	Miscellaneous shopping goods stores	292.9	307.8	298.3	308.4	331.8
596	Nonstore retailers	156.6	168.7	156.5	165.1	175.1
598	Fuel and ice dealers	21.6	22.3	21.2	21.8	22.2
599	Retail stores, nec	105.4	109.4	105.7	110.3	114.0
	FINANCE, INSURANCE, AND REAL ESTATE	2,553	2,573	2,723	2,739	2,761
60	BANKING	934.1	940.1	993.4	998.3	1,006.0
602	Commercial and stock savings banks	859.3	864.9	914.4	918.8	925.8
61	CREDIT AGENCIES OTHER THAN BANKS	303.3	304.7	326.1	328.7	331.7
612	Savings and loan associations	144.7	146.0	157.7	159.2	160.4
614	Personal credit institutions	105.7	106.1	113.3	114.0	115.2
62	SECURITY, COMMODITY BROKERS, AND SERVICES	67.5	68.0	73.5	74.4	75.8
621	Security brokers and dealers	54.1	54.6	59.1	59.9	61.2
63	INSURANCE CARRIERS	668.8	673.4	711.9	715.5	720.1
631	Life insurance	267.0	267.4	271.5	271.3	272.4
632	Medical service and health insurance	96.2	97.4	100.8	101.4	102.0
633	Fire, marine, and casualty insurance	260.9	263.9	290.3	293.1	295.7
64	INSURANCE AGENTS, BROKERS, AND SERVICE	227.7	228.4	242.2	244.4	246.5
65	REAL ESTATE	286.7	292.2	307.9	309.6	312.1
651	Real estate operators and lessors	124.9	127.5	133.2	133.4	134.6
653	Real estate agents and managers	119.0	121.1	129.1	130.0	130.3
655	Subdividers and developers	26.8	27.5	28.4	28.2	29.1
66	COMBINED REAL ESTATE, INSURANCE, ETC	17.4	17.9	18.9	18.6	18.5
67	HOLDING AND OTHER INVESTMENT OFFICES	47.4	47.9	49.3	49.2	50.1
	SERVICES	8,941	8,947	9,342	9,401	9,449
70	HOTELS AND OTHER LODGING PLACES	506.2	487.5	542.6	515.8	497.7
701	Hotels, motels, and tourist courts	485.6	469.2	521.7	498.0	481.3
72	PERSONAL SERVICES	595.2	596.2	599.4	603.0	604.5
721	Laundry, cleaning, and garment services	221.9	222.3	220.1	222.5	222.2
723	Beauty shops	247.4	246.5	250.1	249.6	250.1
726	Funeral service and crematories	17.5	17.5	18.2	18.3	18.3
73	BUSINESS SERVICES	1,001.9	1,007.7	1,099.3	1,118.8	1,137.4
731	Advertising	58.0	58.4	65.9	65.7	66.9
732	Credit reporting and collection	61.9	61.8	65.2	65.9	66.0
733	Mailing, reproduction, stenographic	45.7	44.9	50.1	51.3	53.8
734	Services to buildings	148.9	151.6	163.7	164.2	165.3
736	Personnel supply services	225.7	217.3	242.3	247.7	253.9
737	Computer and data processing services	89.8	90.3	100.4	102.8	105.2
75	AUTO REPAIR, SERVICES, AND GARAGES	78.4	79.9	85.8	87.4	87.5
753	Automotive repair shops	35.9	36.6	38.8	39.5	38.2
76	MISCELLANEOUS REPAIR SERVICES	44.3	45.1	46.8	47.8	48.8

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Oct. 1977	Nov. 1977	Sept. 1978	Oct. 1978	Nov. 1978
78	MOTION PICTURES	79.8	79.2	84.8	82.3	81.3
781	Motion picture production and services	24.8	25.2	24.3	25.1	25.7
783	Motion picture theaters	49.5	48.5	55.0	51.6	50.1
79	AMUSEMENT AND RECREATION SERVICES	248.8	233.4	285.3	254.1	241.7
80	HEALTH SERVICES	3,757.2	3,766.8	3,900.8	3,914.6	3,938.1
801	Offices of physicians	515.8	518.1	538.5	541.5	542.7
802	Offices of dentists	244.2	245.1	247.3	247.1	250.4
806	Nursing and personal care facilities	770.3	770.7	816.1	817.7	821.2
806	Hospitals	2,001.9	2,006.0	2,063.1	2,069.9	2,080.0
81	LEGAL SERVICES	287.3	287.8	302.9	305.4	309.5
82	EDUCATIONAL SERVICES	556.4	565.2	495.8	548.4	556.4
821	Elementary and secondary schools	147.1	148.8	142.1	147.3	150.1
822	Colleges and universities	353.8	359.9	298.1	343.6	347.7
83	SOCIAL SERVICES	637.9	643.9	703.0	710.1	716.9
89	MISCELLANEOUS SERVICES	233.9	236.8	256.7	259.9	264.6
891	Engineering and architectural services	81.1	81.8	90.4	91.2	93.0
893	Accounting, auditing, and bookkeeping	105.7	107.3	114.5	116.6	118.3
	GOVERNMENT	7,114	7,209	6,949	7,267	7,374
	FEDERAL GOVERNMENT	845	847	865	866	864
	STATE AND LOCAL GOVERNMENT	6,269	6,362	6,084	6,401	6,510
-	State government	1,538.7	1,554.5	1,469.8	1,538.0	1,561.2
-	Hospitals	322.5	326.4	310.8	315.3	318.7
-	State education	628.8	643.2	570.8	643.1	673.3
-	General administration including executive, legislative, and judicial functions	406.2	402.8	400.3	393.8	385.3
-	Local government	4,730.7	4,807.7	4,614.0	4,862.7	4,949.2
-	Transportation and public utilities	67.3	70.0	77.9	79.2	80.6
-	Hospitals	381.5	380.7	396.4	397.2	399.5
-	Local education	3,260.9	3,312.2	3,052.1	3,321.7	3,400.3
-	General administration including executive, legislative, and judicial functions	834.4	854.9	896.0	880.9	888.3

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
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^P	Jan. ^P
TOTAL	83,871	84,188	84,726	85,418	85,618	85,996	86,033	86,149	86,163	86,573	87,036	87,248	87,573
GOODS-PRODUCING	24,648	24,724	24,927	25,313	25,341	25,473	25,501	25,463	25,471	25,670	25,872	26,023	26,112
MINING	678	684	698	867	869	879	882	887	887	893	903	905	909
CONSTRUCTION	3,905	3,901	3,999	4,164	4,175	4,278	4,317	4,298	4,298	4,341	4,368	4,395	4,413
MANUFACTURING	20,065	20,139	20,230	20,282	20,297	20,316	20,302	20,278	20,286	20,436	20,601	20,723	20,790
DURABLE GOODS	11,917	11,986	12,041	12,076	12,093	12,109	12,138	12,146	12,166	12,305	12,410	12,490	12,528
Lumber and wood products	754	756	752	751	745	747	743	743	744	748	759	763	764
Furniture and fixtures	484	487	491	491	489	486	485	481	480	484	487	491	494
Stone, clay, and glass products	689	691	692	699	700	701	698	692	692	696	701	707	704
Primary metal industries	1,186	1,193	1,189	1,192	1,197	1,197	1,199	1,205	1,214	1,220	1,235	1,241	1,239
Fabricated metal products	1,625	1,638	1,639	1,646	1,652	1,645	1,643	1,646	1,650	1,667	1,684	1,699	1,705
Machinery, except electrical	2,259	2,271	2,289	2,309	2,311	2,332	2,345	2,351	2,358	2,391	2,404	2,427	2,440
Electric and electronic equipment	1,923	1,935	1,951	1,951	1,952	1,962	1,977	1,975	1,972	1,987	2,001	2,008	2,018
Transportation equipment	1,917	1,928	1,944	1,936	1,942	1,929	1,937	1,941	1,943	1,991	2,010	2,023	2,024
Instruments and related products	632	635	639	644	649	654	660	661	662	665	671	675	680
Miscellaneous manufacturing ind.	448	452	455	457	456	456	451	451	451	456	458	456	460
NONDURABLE GOODS	8,148	8,153	8,189	8,206	8,204	8,207	8,164	8,132	8,120	8,131	8,191	8,233	8,262
Food and kindred products	1,706	1,705	1,718	1,715	1,701	1,702	1,688	1,670	1,665	1,667	1,693	1,710	1,722
Tobacco manufactures	74	74	76	74	75	76	73	69	70	71	910	910	908
Textile mill products	917	917	916	911	913	908	909	903	907	907	1,307	1,313	1,319
Apparel and other textile products	1,318	1,315	1,319	1,330	1,326	1,325	1,307	1,309	1,309	1,307	1,307	1,313	1,319
Paper and allied products	699	699	703	706	709	709	710	698	697	692	700	701	706
Printing and publishing	1,159	1,163	1,171	1,174	1,180	1,186	1,187	1,188	1,178	1,185	1,198	1,205	1,212
Chemicals and allied products	1,079	1,081	1,081	1,085	1,093	1,091	1,091	1,089	1,088	1,089	1,093	1,096	1,099
Petroleum and coal products	207	208	209	210	207	209	207	209	209	210	210	211	209
Rubber and misc. plastic products	737	738	744	748	747	749	749	746	744	752	761	769	772
Leather and leather products	252	253	252	253	253	252	243	251	253	251	248	246	243
SERVICE-PRODUCING	59,223	59,464	59,799	60,105	60,277	60,523	60,532	60,686	60,692	60,903	61,164	61,225	61,461
TRANSPORTATION AND PUBLIC UTILITIES	4,758	4,782	4,817	4,847	4,847	4,881	4,827	4,846	4,855	4,922	4,947	4,963	4,978
WHOLESALE AND RETAIL TRADE	18,991	19,071	19,169	19,252	19,335	19,412	19,469	19,523	19,546	19,632	19,701	19,680	19,826
WHOLESALE TRADE	4,802	4,828	4,854	4,872	4,885	4,905	4,901	4,905	4,917	4,945	4,968	4,989	5,003
RETAIL TRADE	14,189	14,243	14,315	14,380	14,450	14,507	14,568	14,618	14,629	14,687	14,733	14,691	14,823
FINANCE, INSURANCE, AND REAL ESTATE	4,563	4,591	4,605	4,623	4,637	4,670	4,690	4,707	4,719	4,737	4,774	4,792	4,816
SERVICES	15,597	15,670	15,773	15,866	15,896	15,963	15,989	16,074	16,127	16,169	16,270	16,312	16,350
GOVERNMENT	15,314	15,350	15,435	15,517	15,562	15,597	15,557	15,536	15,445	15,443	15,472	15,478	15,491
FEDERAL	2,736	2,736	2,739	2,745	2,753	2,772	2,765	2,765	2,752	2,760	2,757	2,734	2,742
STATE AND LOCAL	12,578	12,614	12,696	12,772	12,809	12,825	12,792	12,771	12,693	12,683	12,715	12,744	12,749

p=preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1977		1978										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
TOTAL	33,842	34,013	34,167	34,313	34,531	34,755	34,921	35,077	35,099	35,170	35,256	35,381	35,622
GOODS-PRODUCING	6,346	6,388	6,432	6,458	6,510	6,545	6,568	6,592	6,584	6,587	6,594	6,645	6,703
MINING	68	66	68	68	68	73	73	75	77	77	78	79	80
CONSTRUCTION	313	316	320	320	326	328	329	334	337	338	337	339	339
MANUFACTURING	5,965	6,006	6,044	6,070	6,116	6,114	6,166	6,183	6,170	6,172	6,179	6,227	6,284
DURABLE GOODS	2,176	2,746	2,773	2,794	2,819	2,831	2,848	2,862	2,870	2,875	2,887	2,924	2,954
Lumber and wood products	102	103	104	105	105	105	106	107	106	106	106	108	110
Furniture and fixtures	135	137	139	140	141	141	142	141	142	141	141	142	143
Stone, clay, and glass products	127	127	129	130	130	130	130	129	129	130	130	130	131
Primary metal industries	113	113	114	114	115	115	117	120	121	122	124	125	126
Fabricated metal products	323	327	329	332	334	336	339	339	336	337	338	343	346
Machinery, except electrical	402	407	412	414	419	426	429	433	437	437	441	448	450
Electric and electronic equipment	789	795	800	807	813	813	815	818	823	823	821	831	838
Transportation equipment	264	269	274	276	281	280	284	285	286	286	291	300	308
Instruments and related products	257	261	264	266	268	271	273	277	279	281	282	282	285
Miscellaneous manufacturing ind.	204	207	208	210	213	214	213	213	211	212	213	215	217
NONDURABLE GOODS	3,249	3,260	3,271	3,276	3,297	3,313	3,318	3,321	3,300	3,297	3,292	3,303	3,330
Food and kindred products	474	478	482	482	484	485	480	485	482	469	467	417	485
Tobacco manufactures	26	28	27	27	28	27	28	27	27	24	25	26	26
Textile mill products	430	428	430	430	431	429	430	429	430	428	429	430	430
Apparel and other textile products	1,065	1,067	1,066	1,065	1,069	1,078	1,076	1,074	1,059	1,064	1,064	1,061	1,061
Paper and allied products	153	154	155	156	157	159	161	160	159	159	158	157	159
Printing and publishing	434	434	438	440	446	447	451	452	452	456	455	459	464
Chemicals and allied products	246	247	248	249	252	253	256	256	258	257	257	258	261
Petroleum and coal products	24	24	24	24	24	25	25	25	25	25	25	25	25
Rubber and misc. plastics products	244	248	249	251	254	257	258	260	260	262	258	262	268
Leather and leather products	153	152	152	152	152	153	153	153	148	153	154	154	151
SERVICE-PRODUCING	27,496	27,625	27,735	27,855	28,021	28,210	28,353	28,485	28,515	28,583	28,662	28,736	28,919
TRANSPORTATION AND PUBLIC UTILITIES	1,064	1,071	1,075	1,086	1,094	1,104	1,102	1,115	1,117	1,127	1,131	1,145	1,150
WHOLESALE AND RETAIL TRADE ..	7,903	7,947	8,006	8,050	8,098	8,138	8,188	8,225	8,258	8,303	8,322	8,354	8,389
WHOLESALE TRADE	1,162	1,170	1,176	1,184	1,196	1,207	1,210	1,217	1,215	1,216	1,222	1,242	1,250
RETAIL TRADE	6,741	6,777	6,830	6,866	6,902	6,931	6,978	7,008	7,043	7,087	7,100	7,112	7,139
FINANCE, INSURANCE, AND REAL ESTATE	2,576	2,589	2,602	2,618	2,631	2,646	2,658	2,679	2,696	2,709	2,720	2,742	2,764
SERVICES	8,938	8,986	9,003	9,035	9,109	9,144	9,176	9,220	9,260	9,315	9,333	9,354	9,440
GOVERNMENT	7,015	7,032	7,049	7,066	7,089	7,178	7,229	7,246	7,184	7,129	7,156	7,141	7,176
FEDERAL	856	847	855	856	858	863	882	874	879	880	877	878	874
STATE AND LOCAL	6,159	6,185	6,194	6,210	6,231	6,315	6,347	6,372	6,305	6,249	6,279	6,263	6,302

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 workers¹ on private 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. ^P	Jan. ^P
TOTAL PRIVATE	56,114	56,348	56,744	57,263	57,428	57,653	57,704	57,771	57,861	58,151	58,576	58,748	58,927
GOODS-PRODUCING	17,954	18,016	18,198	18,541	18,565	18,660	18,675	18,619	18,629	18,795	18,974	19,104	19,159
MINING	493	494	509	655	659	663	667	668	671	675	683	684	687
CONSTRUCTION	3,021	3,023	3,122	3,288	3,303	3,401	3,439	3,419	3,422	3,465	3,488	3,510	3,486
MANUFACTURING	14,440	14,499	14,567	14,598	14,603	14,596	14,569	14,532	14,536	14,655	14,803	14,910	14,986
DURABLE GOODS	8,569	8,620	8,661	8,676	8,685	8,683	8,694	8,693	8,706	8,816	8,909	8,980	9,020
Lumber and wood products	650	650	647	646	639	641	637	636	636	641	649	652	653
Furniture and fixtures	399	401	405	405	404	400	398	394	395	398	400	403	404
Stone, clay, and glass products	553	551	552	558	557	558	554	549	548	551	556	561	561
Primary metal industries	929	937	933	934	939	939	942	947	953	960	976	981	982
Fabricated metal products	1,234	1,247	1,247	1,251	1,257	1,250	1,245	1,245	1,248	1,264	1,280	1,291	1,294
Machinery, except electrical	1,483	1,493	1,507	1,517	1,516	1,533	1,547	1,544	1,550	1,576	1,581	1,605	1,614
Electric and electronic equipment	1,267	1,276	1,288	1,284	1,283	1,284	1,293	1,293	1,290	1,301	1,312	1,317	1,328
Transportation equipment	1,326	1,332	1,342	1,337	1,344	1,327	1,328	1,336	1,337	1,370	1,393	1,408	1,409
Instruments and related products	386	388	391	394	397	402	407	405	406	408	412	414	421
Miscellaneous manufacturing ind.	342	345	349	350	349	349	343	344	343	347	350	348	354
NONDURABLE GOODS	5,871	5,879	5,906	5,922	5,918	5,913	5,875	5,839	5,830	5,839	5,894	5,930	5,966
Food and kindred products	1,156	1,158	1,168	1,167	1,154	1,152	1,142	1,124	1,122	1,122	1,148	1,164	1,183
Tobacco manufactures	59	59	60	59	60	61	58	54	56	57	56	57	58
Textile mill products	799	798	798	794	795	792	791	785	790	790	795	794	792
Apparel and other textile products	1,132	1,131	1,134	1,144	1,140	1,137	1,121	1,127	1,124	1,123	1,123	1,124	1,134
Paper and allied products	523	525	527	530	535	535	535	523	522	519	525	528	532
Printing and publishing	656	658	663	664	668	668	669	667	657	663	672	678	681
Chemicals and allied products	618	620	620	624	628	628	628	623	624	624	627	630	637
Petroleum and coal products	136	136	137	137	135	136	135	136	137	137	138	139	136
Rubber and misc. plastics products	576	578	583	586	586	587	587	584	581	589	598	606	607
Leather and leather products	216	216	216	217	217	217	209	216	217	215	212	210	206
SERVICE-PRODUCING	38,160	38,332	38,546	38,722	38,863	38,993	39,035	39,152	39,232	39,356	39,602	39,644	39,768
TRANSPORTATION AND PUBLIC UTILITIES	4,028	4,044	4,067	4,094	4,086	4,109	4,051	4,066	4,064	4,129	4,150	4,160	4,175
WHOLESALE AND RETAIL TRADE ..	16,737	16,812	16,894	16,952	17,079	17,106	17,165	17,214	17,228	17,288	17,372	17,339	17,428
WHOLESALE TRADE	3,958	3,982	4,007	4,020	4,026	4,043	4,040	4,042	4,053	4,075	4,093	4,103	4,114
RETAIL TRADE	12,779	12,830	12,887	12,932	13,053	13,063	13,125	13,172	13,175	13,213	13,279	13,236	13,314
FINANCE, INSURANCE, AND REAL ESTATE	3,472	3,494	3,500	3,516	3,523	3,546	3,565	3,579	3,591	3,603	3,635	3,647	3,674
SERVICES	13,923	13,982	14,085	14,160	14,175	14,232	14,254	14,293	14,349	14,336	14,445	14,498	14,491

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

^P preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

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	81.7p
July.....	54.9	57.0	61.3	78.2p
August.....	51.7	49.7	74.4	
September.....	57.6	58.7	74.7p	
October.....	70.6	75.6	78.2p	
November.....	80.2	83.1p		
December.....	75.6p	82.8p		
1979				
January.....	71.8p			
February.....				
March.....				
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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
1 ALABAMA	1,272.2	1,303.9	1,304.5	6.6	16.3	16.2	73.6	79.1	77.0	357.1	357.6	357.1
2 Birmingham	328.7	345.8	346.8	2.1	9.5	9.5	20.5	23.2	22.0	65.1	68.1	67.9
3 Huntsville	111.5	113.2	113.4	(1)	(1)	(1)	4.0	4.0	3.8	33.0	33.7	33.6
4 Mobile	142.6	142.5	142.9	(1)	(1)	(1)	11.0	11.2	11.1	30.5	29.0	28.8
5 Montgomery	97.6	99.2	99.4	(1)	(1)	(1)	6.2	6.2	6.1	15.4	15.6	15.6
6 Tuscaloosa	47.8	48.4	48.3	.3	1.0	1.0	3.4	3.6	3.4	9.0	8.7	8.7
7 ALASKA	154.1	154.1	151.7	4.1	5.1	5.1	16.6	12.3	10.7	7.5	9.1	8.4
8 ARIZONA	827.0	880.7	889.7	18.9	20.1	20.3	54.2	69.5	69.9	115.3	124.5	126.0
9 Phoenix	505.1	544.1	550.5	.6	.6	.6	33.2	44.2	44.8	86.1	93.3	94.4
10 Tucson	153.9	162.2	164.0	5.8	5.8	6.0	10.2	13.3	13.4	13.0	14.4	14.7
11 ARKANSAS	710.4	729.5	729.9	4.5	5.1	4.9	37.5	40.2	39.4	212.9	215.1	213.2
12 Fayetteville-Springdale	56.6	59.5	59.2	(1)	(1)	(1)	2.9	3.0	3.0	17.7	18.1	17.8
13 Fort Smith	62.9	65.5	65.5	.6	.8	.8	2.9	2.9	2.9	23.1	23.9	24.0
14 Little Rock-North Little Rock	167.0	169.5	169.7	(1)	(1)	(1)	9.0	9.8	9.7	30.4	30.2	29.6
15 Pine Bluff	29.1	29.5	29.4	(1)	(1)	(1)	1.0	1.1	1.0	6.3	6.0	6.1
16 CALIFORNIA	8,768.7	9,261.8	9,332.9	35.4	36.3	36.2	380.5	425.6	423.6	1,722.6	1,847.0	1,852.4
17 Anaheim-Santa Ana-Garden Grove	702.9	744.7	754.2	2.3	2.4	2.4	42.5	45.4	44.9	178.8	193.7	194.9
18 Bakersfield	114.6	118.5	119.5	9.3	9.9	10.0	5.2	6.0	6.1	9.3	9.5	9.4
19 Fresno	166.0	173.7	173.4	.8	.8	.8	9.1	10.2	10.2	21.6	23.5	22.1
20 Los Angeles-Long Beach	3,302.3	3,436.8	3,473.0	11.4	11.6	11.6	103.8	111.7	111.7	820.5	873.7	879.1
21 Modesto	80.0	85.6	84.3	.1	.1	.1	5.2	5.9	5.9	17.2	18.9	17.7
22 Oxnard-Simi Valley-Ventura	127.8	132.5	133.3	2.3	2.2	2.2	5.6	6.0	6.1	20.1	20.9	20.5
23 Riverside-San Bernardino-Ontario	381.5	400.1	403.9	2.5	2.2	2.2	18.3	21.1	21.3	57.8	62.5	62.6
24 Sacramento	361.1	375.5	376.5	.4	.4	.4	17.9	21.7	21.2	23.7	25.3	24.7
25 Salinas-Seaside-Monterey	82.1	84.2	83.3	.7	.7	.7	3.6	3.5	3.5	9.3	10.4	9.8
26 San Diego	559.1	586.0	591.3	.8	.8	.8	35.1	38.0	38.1	81.6	88.5	89.1
27 San Francisco-Oakland	1,428.1	1,445.8	1,457.1	1.9	1.9	1.9	62.0	66.4	66.3	192.5	193.7	194.6
28 San Jose	551.2	586.4	589.5	.1	.1	.1	22.9	24.8	24.6	175.6	197.1	197.4
29 Santa Barbara-Santa Maria-Lompoc	106.2	107.7	107.5	1.0	1.1	1.1	4.1	4.5	4.5	14.2	14.8	14.5
30 Santa Rosa	76.8	80.0	80.2	.3	.3	.3	4.2	4.7	4.6	11.1	12.5	12.5
31 Stockton	107.9	112.5	112.1	.1	.1	.1	4.8	5.3	5.2	17.8	19.0	18.5
32 Vallejo-Fairfield-Napa	90.6	94.9	94.9	.2	.2	.2	3.9	4.5	4.2	8.6	9.9	9.6
33 COLORADO	1,103.9	1,149.9	1,147.0	25.2	27.0	27.0	66.9	73.6	68.6	157.8	169.0	168.7
34 Denver-Boulder	700.7	724.4	725.4	13.1	14.7	14.7	41.4	44.3	42.2	108.3	115.0	114.8
35 CONNECTICUT	1,311.7	1,356.1	1,366.0	(2)	(2)	(2)	42.7	48.5	45.7	406.8	421.6	425.7
36 Bridgeport	157.1	160.5	162.0	(2)	(2)	(2)	4.4	5.1	5.0	61.7	64.2	64.8
37 Hartford	358.6	367.7	370.7	(2)	(2)	(2)	10.2	10.9	10.1	85.1	89.7	90.7
38 New Britain	57.7	59.4	59.7	(2)	(2)	(2)	1.6	1.9	1.7	28.5	28.9	29.3
39 New Haven-West Haven	176.7	181.3	182.4	(2)	(2)	(2)	5.6	6.4	6.0	44.5	44.4	44.4
40 Stamford	100.4	102.9	104.2	(2)	(2)	(2)	4.4	4.7	4.6	29.1	29.4	29.6
41 Waterbury	85.1	86.8	86.9	(2)	(2)	(2)	2.6	2.8	2.6	32.8	33.2	33.0
42 DELAWARE ³	244.8	252.6	255.5	(1)	(1)	(1)	14.6	15.5	14.7	69.1	69.8	69.4
43 Wilmington ³	215.1	218.8	222.0	(1)	(1)	(1)	14.1	14.5	13.9	65.1	65.0	65.1
44 DISTRICT OF COLUMBIA ³	582.5	590.5	591.2	(1)	(1)	(1)	14.4	15.2	14.9	14.7	15.2	15.2
45 Washington SMSA ³	(*)	1,472.2	1,478.5	(*)	(1)	(1)	(*)	82.7	81.6	(*)	53.3	53.3
46 FLORIDA	2,977.5	3,057.2	(*)	8.7	8.9	(*)	182.4	205.4	(*)	388.8	418.6	(*)
47 Fort Lauderdale-Hollywood	266.4	271.8	(*)	(1)	(1)	(*)	20.0	20.7	(*)	31.7	33.9	(*)
48 Jacksonville	268.6	273.0	(*)	(1)	(1)	(*)	14.6	14.8	(*)	33.0	33.6	(*)
49 Miami	623.0	641.4	(*)	(1)	(1)	(*)	26.8	31.4	(*)	89.2	93.9	(*)
50 Orlando	229.7	237.5	(*)	(1)	(1)	(*)	12.7	14.4	(*)	28.6	31.7	(*)
51 Pensacola	90.4	92.3	(*)	(1)	(1)	(*)	6.1	7.3	(*)	13.1	12.8	(*)
52 Tampa-St. Petersburg	451.8	464.4	(*)	(1)	(1)	(*)	28.3	33.4	(*)	62.1	66.5	(*)
53 West Palm Beach-Boca Raton	162.2	166.1	(*)	(1)	(1)	(*)	11.8	13.3	(*)	22.0	23.5	(*)
54 GEORGIA	1,934.4	1,963.0	1,969.8	7.2	7.4	7.5	90.5	98.9	98.4	494.1	507.1	504.6
55 Albany	37.7	41.0	41.9	(1)	(1)	(1)	2.8	4.5	4.8	9.3	10.6	10.6
56 Atlanta	801.4	812.9	814.5	(1)	(1)	(1)	34.0	34.9	34.8	128.8	133.1	130.8
57 Augusta	117.6	120.3	121.7	(1)	(1)	(1)	6.9	6.6	6.5	36.5	36.7	36.8
58 Columbus	81.1	81.0	81.3	(1)	(1)	(1)	5.1	5.1	4.9	20.5	20.7	20.6
59 Macon	95.8	96.4	96.0	(1)	(1)	(1)	4.4	4.4	4.2	15.8	15.4	14.9
60 Savannah	81.1	80.5	80.9	(1)	(1)	(1)	5.4	5.0	5.0	16.4	16.7	16.8

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			
DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	
66.5	69.4	69.5	268.1	268.6	273.3	56.7	57.9	58.0	179.8	182.6	182.9	263.8	272.4	270.5	1
24.9	26.9	27.0	84.8	84.4	86.7	23.1	23.8	23.8	58.3	59.3	59.3	49.9	50.6	50.6	2
2.5	2.6	2.6	21.6	21.9	22.4	3.1	3.2	3.2	16.2	16.2	16.2	31.1	31.6	31.6	3
10.7	10.8	11.0	35.5	35.6	35.9	6.5	6.6	6.7	25.6	26.1	26.1	22.8	23.2	23.3	4
4.6	4.8	4.8	24.8	24.4	24.8	5.6	5.7	5.7	17.2	17.9	17.9	23.8	24.6	24.5	5
1.8	1.7	1.7	9.7	9.5	9.6	1.6	1.7	1.7	5.1	5.3	5.1	16.9	16.9	17.1	6
14.1	14.3	14.1	27.5	27.7	27.6	7.8	7.8	7.7	24.6	24.6	24.9	51.8	53.2	53.2	7
42.5	45.9	46.2	203.6	213.3	219.6	45.9	48.9	48.9	156.5	163.4	164.4	190.1	195.1	194.4	8
25.9	28.3	28.5	134.2	140.6	144.4	35.1	37.1	37.1	95.5	102.4	103.3	94.5	97.6	97.4	9
7.8	8.2	8.2	35.9	37.3	38.6	6.9	7.4	7.4	31.0	32.8	32.9	43.3	43.0	42.8	10
38.2	41.9	41.7	157.0	160.8	163.3	29.7	30.5	30.5	98.0	101.7	102.1	132.6	134.2	134.8	11
2.8	3.1	3.0	14.0	14.7	14.8	2.0	2.1	2.1	7.0	7.8	7.8	10.2	10.7	10.7	12
2.9	3.2	3.1	13.4	14.2	14.3	2.2	2.3	2.3	10.4	10.9	10.9	7.4	7.3	7.2	13
11.3	11.8	11.9	40.2	40.1	40.7	12.0	12.2	12.2	29.7	31.3	31.5	34.4	34.1	34.1	14
3.5	3.6	3.6	6.1	5.9	6.0	1.3	1.3	1.2	4.5	4.7	4.8	6.4	6.9	6.7	15
480.7	509.5	508.5	2,078.7	2,203.2	2,259.7	509.8	536.4	539.6	1,783.8	1,918.6	1,934.0	1,777.2	1,785.2	1,778.9	16
21.1	23.3	23.6	173.9	185.1	190.7	41.0	44.9	45.8	137.6	148.4	150.4	105.7	101.5	101.5	17
7.0	7.4	7.4	29.8	30.4	31.3	4.1	4.3	4.3	18.4	19.5	19.6	31.5	31.5	31.4	18
9.2	9.7	9.6	45.0	47.3	48.4	8.9	9.4	9.4	30.4	31.6	31.8	41.0	41.2	41.1	19
180.5	192.9	191.5	783.3	798.5	823.4	199.0	205.3	206.3	706.1	740.8	747.0	497.7	502.3	502.4	20
3.4	3.6	3.5	20.6	21.9	22.2	2.6	2.7	2.7	14.5	15.4	15.3	16.4	17.1	16.9	21
5.2	5.6	5.7	29.5	32.5	33.3	5.1	5.1	5.2	22.2	22.6	22.7	37.8	37.6	37.6	22
20.6	21.9	22.0	93.8	95.9	98.9	14.8	15.6	15.6	77.5	80.6	81.1	96.2	100.3	100.2	23
18.5	19.4	19.3	83.7	86.2	88.2	17.1	18.9	18.9	61.7	65.1	65.6	138.1	138.5	138.2	24
4.8	4.9	4.9	21.3	21.8	21.9	3.7	3.8	3.8	15.8	16.8	16.7	22.9	22.3	22.0	25
24.7	26.3	26.4	131.1	139.1	143.0	30.9	33.0	33.2	114.4	120.8	121.8	140.5	139.5	138.9	26
120.6	124.2	124.1	336.8	336.3	342.6	123.4	127.8	128.5	297.7	307.6	310.5	293.2	287.9	288.6	27
18.7	19.5	19.7	110.0	113.6	116.8	21.6	22.6	22.7	117.0	124.9	124.5	85.3	83.8	83.7	28
3.8	3.8	3.8	25.9	26.1	26.4	4.5	4.5	4.5	26.7	27.8	27.9	26.0	25.1	24.8	29
3.9	4.2	4.2	18.4	19.3	19.6	4.1	4.4	4.5	14.6	15.1	15.1	20.2	19.5	19.4	30
7.5	7.8	7.7	25.3	26.8	27.1	4.5	4.7	4.7	20.3	21.3	21.3	27.6	27.5	27.5	31
3.7	3.8	3.8	18.2	19.4	20.3	3.0	3.1	3.1	16.0	17.2	16.9	37.0	36.8	36.8	32
64.1	70.4	70.6	285.3	283.6	287.9	64.2	67.3	67.3	215.9	228.1	227.5	224.6	230.9	229.5	33
44.4	48.3	48.4	181.5	178.5	182.8	45.5	47.7	47.8	140.6	148.9	147.5	126.1	127.1	127.1	34
56.8	58.0	58.1	286.2	287.9	294.1	91.9	95.1	96.0	247.9	261.2	261.6	179.5	183.8	184.8	35
5.6	5.7	5.8	33.1	33.5	34.0	6.5	6.5	6.5	28.8	28.8	29.1	17.1	16.7	16.8	36
14.7	14.8	15.1	76.9	77.0	78.7	53.3	55.3	55.7	65.9	69.4	69.9	52.5	50.7	50.6	37
1.3	1.4	1.4	9.9	10.0	10.1	1.5	1.6	1.6	8.4	9.1	9.0	6.5	6.5	6.5	38
14.6	14.9	14.9	38.6	38.8	39.5	9.7	9.9	10.0	39.9	43.3	43.6	23.8	23.5	23.9	39
3.4	3.5	3.5	24.1	23.6	24.5	6.7	6.9	7.0	22.4	23.4	23.4	10.4	11.4	11.6	40
3.0	3.1	3.2	16.1	16.0	16.3	2.9	3.1	3.1	16.3	16.9	16.9	11.4	11.9	11.9	41
12.0	13.0	13.0	55.3	57.8	58.4	10.8	11.4	11.4	40.1	42.8	43.2	42.8	42.3	45.4	42
11.3	12.2	12.2	45.0	45.7	46.0	9.9	10.1	10.2	34.5	37.3	37.8	35.3	34.0	36.9	43
25.7	25.7	25.7	66.7	66.3	66.9	33.5	33.6	33.6	155.1	161.2	160.7	272.4	273.3	274.2	44
(*)	64.8	64.8	(*)	288.2	294.2	(*)	85.2	85.6	(*)	363.8	363.2	(*)	534.2	535.8	45
189.8	186.0	(*)	790.0	785.3	(*)	200.9	213.7	(*)	648.0	662.6	(*)	568.9	576.7	(*)	46
13.7	13.7	(*)	78.0	80.7	(*)	21.8	22.3	(*)	61.0	59.0	(*)	40.2	41.5	(*)	47
21.7	22.0	(*)	70.8	70.9	(*)	27.8	29.0	(*)	48.5	49.5	(*)	52.2	53.2	(*)	48
60.0	63.0	(*)	165.4	166.0	(*)	45.2	47.0	(*)	148.3	150.3	(*)	88.1	89.8	(*)	49
11.6	12.2	(*)	63.7	63.0	(*)	15.4	16.8	(*)	59.3	60.2	(*)	38.4	39.2	(*)	50
4.6	4.5	(*)	21.1	20.7	(*)	3.7	3.6	(*)	16.5	17.1	(*)	25.3	26.3	(*)	51
25.8	26.2	(*)	129.8	128.4	(*)	33.2	35.1	(*)	96.7	98.8	(*)	75.9	76.0	(*)	52
6.9	7.0	(*)	43.1	42.3	(*)	12.4	13.3	(*)	39.4	39.5	(*)	26.6	27.2	(*)	53
121.2	125.4	125.6	455.7	451.0	461.7	100.4	102.3	102.8	281.8	287.4	285.8	383.5	383.6	383.4	54
1.8	2.0	2.0	8.7	8.6	9.1	1.8	1.8	1.8	4.8	4.7	4.7	8.5	8.9	8.9	55
71.8	75.5	75.9	230.5	230.4	234.9	56.7	57.7	58.0	144.8	147.1	146.5	134.9	134.3	133.6	56
3.7	4.0	4.0	22.6	25.4	26.6	4.2	4.3	4.3	14.8	15.2	15.3	28.8	28.2	28.2	57
3.1	3.2	3.2	18.1	17.4	18.1	4.9	5.0	5.1	11.0	10.8	10.7	18.4	18.7	18.8	58
4.4	4.4	4.4	20.1	19.7	20.0	5.7	5.7	5.7	15.2	15.7	15.6	30.2	31.1	31.2	59
8.2	8.0	8.2	18.7	19.0	19.2	3.8	4.0	4.0	13.1	12.8	12.8	15.5	14.9	14.9	60

**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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
1 HAWAII	358.4	368.3	371.5	(1)	(1)	(1)	17.6	20.5	20.9	22.6	23.1	23.7
2 Honolulu	297.7	306.3	309.0	(1)	(1)	(1)	14.7	17.5	17.9	16.5	17.0	17.4
3 IDAHO	316.3	340.0	335.6	3.5	3.8	3.8	18.3	21.7	18.9	55.6	59.1	58.1
4 Boise City	73.3	84.5	84.5	(1)	(1)	(1)	5.6	7.0	6.8	8.2	9.5	9.4
5 ILLINOIS	4,660.0	4,791.3	4,795.1	14.6	26.3	26.1	168.6	189.9	175.9	1,240.2	1,257.2	1,255.2
6 Bloomington—Normal	49.1	52.4	51.4	(2)	(2)	(2)	1.1	1.3	1.0	8.1	8.6	8.7
7 Champaign—Urbana—Rantoul	68.4	69.4	69.8	(2)	(2)	(2)	2.5	3.1	2.8	6.5	6.8	6.8
8 Chicago—Gary	3,398.1	3,489.2	(*)	4.5	4.4	(*)	127.1	152.5	(*)	943.8	966.0	(*)
9 Chicago SMSA ⁴	3,150.2	3,237.9	3,240.9	4.4	4.4	4.3	113.0	136.7	132.8	844.4	861.8	861.6
10 Davenport—Rock Island—Moline	156.3	160.4	160.7	(2)	(2)	(2)	6.6	6.8	6.5	47.4	49.6	49.6
11 Decatur	56.0	57.4	57.3	(2)	(2)	(2)	3.5	4.1	3.8	18.4	18.7	18.7
12 Peoria	149.9	154.5	154.2	(2)	(2)	(2)	8.2	9.8	9.3	51.5	53.0	52.9
13 Rockford	118.0	123.3	123.1	(2)	(2)	(2)	3.4	3.7	3.1	52.6	57.3	57.3
14 Springfield	85.3	84.8	84.9	(2)	(2)	(2)	4.4	4.9	4.4	9.7	8.2	8.2
15 INDIANA	2,119.3	2,215.5	2,215.1	5.1	9.3	8.9	83.7	106.9	102.0	714.7	745.7	747.3
16 Anderson	53.4	53.3	53.3	(1)	(1)	(1)	1.1	1.3	1.2	26.7	25.9	26.0
17 Evansville	117.5	121.2	120.6	1.1	2.4	2.4	6.4	7.5	7.1	36.9	37.7	37.4
18 Fort Wayne	163.2	172.1	171.8	(1)	(1)	(1)	6.2	7.3	7.3	58.5	61.9	61.4
19 Gary—Hammond—East Chicago ⁴	247.9	255.7	255.2	(1)	(1)	(1)	14.1	15.8	14.8	99.4	104.5	104.5
20 Indianapolis	493.3	504.1	503.8	(1)	(1)	(1)	18.7	20.0	18.3	127.5	129.4	129.7
21 Lafayette—West Lafayette	55.7	58.6	58.3	(1)	(1)	(1)	1.6	2.1	1.9	12.3	13.0	13.1
22 Muncie	50.3	50.7	50.8	(1)	(1)	(1)	1.9	2.2	2.1	15.1	14.5	14.6
23 South Bend	106.5	109.6	109.0	(1)	(1)	(1)	4.2	5.0	4.7	32.9	33.8	33.1
24 Terre Haute	59.9	63.2	62.7	.2	1.3	1.3	2.2	2.5	2.2	16.2	16.7	16.6
25 IOWA	1,084.7	1,110.1	1,107.6	2.1	2.4	2.2	51.0	57.5	51.4	244.0	248.7	251.0
26 Cedar Rapids	80.8	83.9	83.8	(1)	(1)	(1)	3.6	4.0	3.8	28.2	30.1	29.9
27 Des Moines	170.9	173.6	174.0	(1)	(1)	(1)	6.8	7.6	7.1	24.5	24.8	24.8
28 Dubuque	43.6	44.5	44.7	(1)	(1)	(1)	1.7	2.0	2.0	16.6	17.0	17.1
29 Sioux City	52.9	52.7	51.7	(1)	(1)	(1)	3.9	3.8	3.2	10.7	9.9	9.7
30 Waterloo—Cedar Falls	63.6	64.8	65.5	(1)	(1)	(1)	2.6	2.5	2.3	21.9	21.9	22.7
31 KANSAS ³	897.6	931.7	934.1	12.2	12.8	12.6	46.2	49.4	46.7	178.0	194.1	195.1
32 Topeka ³	82.7	85.3	85.5	.2	.3	.2	3.4	3.8	3.6	11.2	11.3	11.5
33 Wichita ³	185.5	197.3	197.8	1.9	2.0	2.0	8.8	10.4	10.2	54.7	62.8	63.4
34 KENTUCKY	1,179.9	1,261.8	1,264.5	29.2	60.1	59.7	62.5	75.8	69.5	290.1	298.9	302.6
35 Lexington—Fayette	136.3	145.7	146.5	(1)	(1)	(1)	6.6	8.6	7.9	31.2	33.0	33.2
36 Louisville	384.0	406.1	406.1	(1)	(1)	(1)	18.2	21.7	20.5	111.2	112.3	111.7
37 Owensboro	29.7	30.6	30.7	.6	.7	.7	2.0	2.4	2.4	7.5	7.1	7.0
38 LOUISIANA	1,359.1	1,374.7	1,377.3	66.1	68.9	67.2	104.3	105.6	105.2	203.5	208.7	207.9
39 Alexandria	47.3	48.4	48.1	(1)	(1)	(1)	3.0	3.1	2.9	5.7	6.1	6.0
40 Baton Rouge	178.4	182.5	182.4	.9	.8	.8	23.0	23.7	23.5	24.3	24.5	24.5
41 Lafayette	58.1	60.3	60.8	9.6	9.9	9.9	4.9	5.5	5.5	3.5	3.8	3.6
42 Lake Charles	53.1	54.6	54.6	1.5	1.6	1.6	5.1	5.6	5.5	11.7	12.3	12.3
43 Monroe	46.7	48.6	48.9	.3	.3	.3	4.4	5.5	5.5	7.8	8.3	8.3
44 New Orleans	457.5	460.9	462.4	14.3	14.3	14.2	26.4	26.5	26.3	51.9	53.0	53.0
45 Shreveport	135.5	140.2	141.0	4.6	4.9	5.0	8.7	10.3	10.0	28.4	28.6	28.7
46 MAINE	392.7	407.1	406.2	(1)	(1)	(1)	19.6	21.2	18.7	108.0	112.2	112.5
47 Lewiston—Auburn	33.7	34.8	34.3	(1)	(1)	(1)	1.3	1.3	1.2	12.4	12.7	12.5
48 Portland	85.6	88.0	89.3	(1)	(1)	(1)	3.7	4.0	3.7	15.9	16.2	17.1
49 MARYLAND	1,576.3	1,618.4	1,624.9	1.2	1.5	1.5	89.7	96.8	95.5	237.3	246.8	244.8
50 Baltimore	881.9	907.1	911.2	(1)	(1)	(1)	43.2	47.6	46.7	162.6	168.5	168.3
51 MASSACHUSETTS	2,461.7	2,553.2	2,565.3	(1)	(1)	(1)	71.0	80.5	75.4	635.2	660.7	660.7
52 Boston	1,340.6	1,386.0	1,390.1	(1)	(1)	(1)	41.2	44.9	41.5	273.7	286.0	286.2
53 Brockton	55.7	58.5	59.1	-	-	-	1.7	2.1	1.9	11.7	12.3	12.3
54 Fall River	55.0	57.7	57.5	(1)	(1)	(1)	1.3	1.5	1.4	20.6	21.5	21.4
55 Lawrence—Haverhill	104.4	107.7	107.2	(1)	(1)	(1)	2.3	2.7	2.4	39.0	39.4	38.9
56 Lowell	68.2	69.8	70.0	(1)	(1)	(1)	2.3	2.5	2.3	22.7	23.3	23.3
57 New Bedford	61.1	63.3	63.4	(1)	(1)	(1)	1.6	2.0	1.9	24.6	26.0	26.1
58 Springfield—Chicopee—Holyoke	224.1	229.6	230.3	(1)	(1)	(1)	5.4	5.6	5.4	64.2	67.6	67.2
59 Worcester	156.5	161.0	161.6	(1)	(1)	(1)	4.3	4.2	4.0	45.8	47.4	47.7
60 MICHIGAN	3,522.2	3,618.9	(*)	13.2	13.4	(*)	129.7	157.7	(*)	1,146.2	1,168.0	(*)
61 Ann Arbor	132.3	137.1	(*)	(1)	(1)	(*)	2.7	3.3	(*)	42.8	44.7	(*)
62 Battle Creek	65.6	67.8	67.9	(1)	(1)	(1)	1.5	1.9	1.7	23.5	23.9	24.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	
28.0	28.5	28.9	92.2	92.7	93.7	24.9	25.8	25.8	86.0	89.8	89.6	87.1	87.9	88.9	1
23.2	23.5	23.9	77.0	77.3	78.0	22.1	23.0	23.0	69.9	73.0	72.9	74.3	75.0	75.9	2
18.6	19.8	19.8	81.5	84.5	84.7	17.0	22.1	22.2	54.2	57.9	58.1	67.6	71.1	70.0	3
4.5	4.8	4.8	20.4	21.8	22.2	5.8	9.3	9.3	12.3	13.9	13.9	16.5	18.2	18.1	4
276.5	286.7	285.5	1,093.0	1,089.8	1,106.3	270.4	280.9	281.9	850.7	883.0	881.4	745.9	777.4	782.8	5
3.0	3.0	3.0	11.9	12.3	12.5	7.1	7.3	7.3	7.5	7.7	7.7	10.4	12.0	11.1	6
2.5	2.5	2.5	15.2	15.3	15.4	2.2	2.4	2.4	9.9	10.0	10.0	29.6	29.3	29.8	7
205.0	211.6	(*)	793.2	780.2	(*)	211.9	219.4	(*)	643.7	663.1	(*)	469.1	492.1	(*)	8
190.3	197.8	197.0	744.0	735.2	741.2	203.2	211.1	211.6	611.7	628.7	627.6	439.3	462.4	464.8	9
7.5	7.6	7.6	39.2	40.1	40.6	6.5	6.6	6.7	23.9	23.9	23.9	25.2	25.7	25.8	10
4.5	4.7	4.7	12.1	12.2	12.4	2.4	2.5	2.5	9.6	9.8	9.8	5.4	5.4	5.4	11
8.0	8.3	8.3	35.5	35.7	36.1	6.9	7.2	7.3	26.2	27.4	27.3	13.7	13.2	13.2	12
4.6	4.7	4.7	24.9	24.6	25.0	3.8	3.9	3.9	16.5	16.9	16.9	12.1	12.1	12.1	13
4.9	4.9	4.9	18.5	18.9	18.9	6.5	6.8	7.0	16.7	16.5	16.6	24.5	24.6	24.8	14
106.0	109.4	109.0	476.1	483.1	488.1	92.5	95.9	96.2	292.9	301.6	300.3	348.3	363.6	363.3	15
1.4	1.6	1.5	10.3	10.6	10.8	1.6	1.6	1.6	6.4	6.6	6.6	5.9	5.7	5.6	16
6.3	6.5	6.4	29.4	29.2	29.4	4.0	4.1	4.1	21.3	21.7	21.7	12.1	12.1	12.1	17
10.0	10.6	10.6	39.2	41.0	41.2	9.2	9.7	9.7	24.7	26.1	26.1	15.4	15.5	15.5	18
14.7	14.1	14.3	49.2	49.9	50.3	8.7	8.8	8.9	32.0	32.9	32.9	29.8	29.7	29.5	19
29.8	30.2	30.2	123.1	124.4	125.6	33.8	34.3	34.3	75.9	78.5	78.7	84.5	87.3	87.0	20
1.5	1.6	1.6	10.9	11.4	11.5	2.7	2.8	2.8	7.9	8.2	8.2	18.8	19.5	19.2	21
2.0	2.1	2.1	11.9	11.9	12.0	1.5	1.5	1.5	6.8	7.3	7.3	11.1	11.2	11.2	22
5.2	5.2	5.2	25.6	25.9	26.4	4.9	5.0	5.0	21.9	22.8	22.8	11.8	11.9	11.8	23
3.9	3.8	3.8	14.9	15.9	15.9	2.0	2.0	2.0	8.7	9.0	9.0	11.8	12.0	11.9	24
54.0	54.6	54.8	279.5	281.0	284.1	51.9	53.3	53.4	190.4	198.0	197.6	211.8	214.7	213.2	25
3.7	3.8	3.8	17.8	17.6	17.9	4.0	4.1	4.1	13.8	14.2	14.2	9.7	10.1	10.1	26
10.7	10.8	10.9	47.2	46.5	47.3	18.8	19.0	19.2	34.9	35.5	35.4	28.0	29.4	29.3	27
1.6	1.6	1.6	9.7	9.8	10.0	1.2	1.2	1.2	8.9	9.1	9.1	3.9	3.8	3.8	28
3.6	3.8	3.8	13.8	14.0	13.9	2.7	2.7	2.7	11.0	11.3	11.1	7.2	7.3	7.3	29
1.8	2.5	2.5	13.8	14.1	14.2	1.8	1.8	1.8	10.4	10.3	10.3	11.2	11.6	11.6	30
61.0	64.1	65.2	224.1	224.3	227.4	44.5	45.4	45.6	149.7	157.7	158.0	181.9	183.9	183.5	31
7.3	7.4	7.4	18.7	19.3	19.4	5.9	5.7	5.7	15.2	16.2	16.3	20.9	21.3	21.4	32
10.0	10.2	10.1	42.9	43.7	44.1	9.0	9.0	9.1	35.3	36.2	36.0	22.9	23.0	22.9	33
65.0	69.4	69.0	270.1	272.8	280.7	48.6	51.7	51.8	186.1	193.1	190.4	228.3	240.0	240.8	34
6.3	6.9	7.0	32.2	33.9	34.5	6.3	6.7	6.7	23.3	25.2	24.1	30.4	31.4	33.1	35
23.7	25.4	25.4	84.8	92.3	94.2	21.3	22.3	22.4	69.8	75.5	75.3	55.0	56.7	56.7	36
2.0	2.1	2.1	7.4	7.4	7.5	1.2	1.2	1.2	4.8	5.4	5.5	4.2	4.3	4.3	37
102.8	105.6	105.4	332.9	330.4	336.4	65.7	68.5	68.4	225.7	232.3	232.3	258.1	254.7	254.5	38
2.4	2.4	2.4	11.3	11.0	11.2	2.7	2.7	2.7	8.7	9.3	9.1	13.5	13.8	13.8	39
8.3	9.1	9.0	37.7	37.3	37.6	10.5	10.8	10.9	25.8	25.6	25.7	47.9	50.7	50.4	40
4.3	4.2	4.2	15.6	15.8	16.3	1.9	2.0	2.0	9.3	9.7	9.7	9.0	9.4	9.6	41
2.9	3.0	3.0	12.8	12.7	12.7	2.2	2.3	2.3	8.3	8.3	8.4	8.6	8.8	8.8	42
2.3	2.3	2.3	12.2	12.1	12.4	3.1	3.2	3.2	6.9	7.4	7.4	9.7	9.5	9.5	43
46.7	47.8	47.6	122.3	121.2	122.9	27.3	27.6	27.6	95.9	98.0	98.3	72.7	72.5	72.5	44
9.2	9.8	10.0	35.5	35.4	36.2	6.1	6.2	6.2	21.9	23.5	23.4	21.1	21.5	21.5	45
18.0	17.8	17.9	85.6	89.2	90.0	15.0	15.6	15.6	65.0	68.4	68.3	81.5	82.7	83.2	46
1.1	1.1	1.1	7.9	8.0	7.9	1.3	1.4	1.4	6.5	7.1	6.9	3.2	3.2	3.3	47
5.0	4.9	5.0	23.1	24.5	25.1	6.5	6.8	6.9	17.4	17.9	18.1	14.0	13.7	13.4	48
82.6	84.8	85.1	385.7	387.5	394.7	85.1	87.5	87.1	309.2	323.4	323.6	385.5	390.1	392.6	49
57.0	58.6	58.7	202.5	202.9	206.5	51.9	53.0	52.7	166.6	172.5	172.7	198.1	204.0	205.6	50
116.4	116.6	117.2	559.4	577.1	591.0	139.3	143.3	143.6	545.8	578.3	579.8	394.6	396.7	397.6	51
69.5	68.1	68.7	311.1	312.3	317.1	95.4	98.9	98.9	347.5	373.5	375.3	202.2	202.3	202.4	52
4.0	3.9	3.9	15.1	15.7	16.2	2.1	2.2	2.2	8.6	8.9	9.0	12.5	13.5	13.6	53
1.9	2.0	2.0	12.5	12.9	13.3	2.5	2.7	2.7	8.4	9.2	8.7	7.8	7.9	8.0	54
4.1	4.1	4.3	22.4	23.6	24.2	3.6	3.7	3.7	15.1	15.1	14.7	17.9	19.1	19.0	55
3.1	3.1	3.1	15.2	15.4	15.6	2.1	2.1	2.1	10.5	10.4	10.4	12.3	13.0	13.2	56
2.6	2.7	2.6	12.1	12.1	12.1	1.8	1.9	1.9	8.4	8.6	8.7	10.0	10.0	10.1	57
9.5	9.8	9.5	46.6	45.5	45.8	11.3	11.6	11.5	41.9	42.6	42.1	45.2	46.9	48.8	58
7.1	7.0	7.1	35.2	34.9	35.5	8.3	8.5	8.5	29.7	30.9	30.5	26.1	28.1	28.3	59
149.3	152.5	(*)	729.8	728.3	(*)	141.0	146.3	(*)	580.4	609.8	(*)	632.5	642.9	(*)	60
2.2	2.3	(*)	18.8	19.1	(*)	3.6	3.9	(*)	18.3	17.6	(*)	43.9	46.2	(*)	61
2.1	2.3	2.3	11.0	11.4	11.5	3.5	3.6	3.6	11.5	11.9	11.8	12.5	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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
MICHIGAN—Continued												
1 Bay City	35.9	38.1	38.4	(1)	(1)	(1)	1.4	2.0	1.9	11.2	12.0	11.8
2 Detroit	1,739.9	1,776.3	1,785.8	1.2	1.2	1.1	63.8	74.7	71.0	587.2	590.4	595.5
3 Flint	201.4	209.8	209.5	(1)	(1)	(1)	6.3	8.0	7.0	89.0	93.1	93.1
4 Grand Rapids	246.4	252.3	252.9	(1)	(1)	(1)	9.6	11.9	10.8	86.2	88.3	88.7
5 Jackson	51.5	53.7	(*)	(1)	(1)	(*)	1.5	1.5	(*)	15.9	17.4	(*)
6 Kalamazoo—Portage	105.9	110.0	(*)	(1)	(1)	(*)	3.7	4.4	(*)	35.6	37.1	(*)
7 Lansing—East Lansing	186.3	195.0	(*)	(1)	(1)	(*)	4.5	5.7	(*)	43.2	45.7	(*)
8 Muskegon-Norton Shores-Musk. Hgts	60.0	62.5	(*)	(1)	(1)	(*)	2.5	3.1	(*)	22.5	23.5	(*)
9 Saginaw	90.8	94.8	(*)	(1)	(1)	(*)	2.4	3.4	(*)	37.8	38.6	(*)
10 MINNESOTA	1,647.1	1,734.2	1,731.4	12.6	18.3	17.7	70.2	87.9	78.2	343.7	366.9	367.8
11 Duluth—Superior	59.0	60.9	61.1	(1)	(1)	(1)	2.5	2.5	2.4	7.8	8.2	8.2
12 Minneapolis—St. Paul	997.8	1,039.2	1,041.6	(1)	(1)	(1)	39.4	48.7	45.1	225.8	236.1	237.5
13 MISSISSIPPI	782.5	805.7	808.7	7.8	8.1	8.1	41.4	42.9	43.1	235.8	234.6	233.7
14 Jackson	131.2	135.3	135.8	1.1	1.1	1.1	7.3	8.1	8.1	18.5	18.7	18.7
15 MISSOURI	1,861.9	1,907.6	1,906.2	7.2	7.4	7.3	72.2	80.8	74.9	445.0	453.8	452.7
16 Kansas City	597.3	606.3	608.7	.5	.6	.5	23.9	26.6	25.5	122.9	126.6	126.9
17 St. Joseph	36.8	35.9	35.5	(2)	(2)	(2)	1.9	1.8	1.6	9.5	9.2	9.1
18 St. Louis	930.8	961.9	958.8	1.6	2.8	2.7	33.4	42.5	39.7	245.2	255.5	252.9
19 Springfield	78.4	81.1	80.2	(2)	(2)	(2)	3.3	3.5	3.1	17.8	18.1	17.6
20 MONTANA	271.2	282.0	278.2	6.5	7.6	7.5	15.2	16.9	15.8	25.8	27.1	24.1
21 Billings	45.0	46.0	45.9	(1)	(1)	(1)	2.4	2.3	2.2	4.2	4.2	4.2
22 Great Falls	29.8	30.5	30.5	(1)	(1)	(1)	1.8	1.9	1.7	1.8	1.9	1.9
23 NEBRASKA	589.7	606.2	601.3	1.5	1.6	1.5	29.6	34.2	28.3	91.1	95.3	96.0
24 Lincoln	94.9	98.5	98.7				4.0	4.7	4.4	14.0	14.3	14.5
25 Omaha	255.0	257.5	256.9	(2)	(2)	(2)	11.8	12.5	10.7	35.1	36.0	36.3
26 NEVADA	318.1	353.1	351.8	4.2	3.3	3.3	21.1	25.1	24.5	15.7	17.6	17.7
27 Las Vegas	172.1	189.6	188.9	.2	.2	.2	10.7	13.2	12.9	5.7	6.2	6.3
28 Reno	93.7	107.4	107.7	.6	.6	.6	7.8	8.7	8.5	7.1	7.8	7.9
29 NEW HAMPSHIRE	351.2	372.0	372.1	.4	.4	.3	20.8	24.0	23.2	105.2	108.7	108.5
30 Manchester	70.4	74.2	74.4	(2)	(2)	(2)	3.0	3.4	3.2	19.6	19.6	19.3
31 Nashua	51.3	55.1	55.0	(2)	(2)	(2)	2.4	2.7	2.7	22.5	24.3	24.3
32 NEW JERSEY	2,914.3	2,980.9	2,973.6	3.1	2.8	2.8	103.7	117.4	112.0	777.3	795.5	788.5
33 Atlantic City	64.2	71.2	69.5	-	-	-	3.3	3.8	3.8	8.2	7.7	7.6
34 Camden	312.9	322.8	324.7	.1	.1	.1	11.5	12.5	11.7	68.4	71.2	71.0
35 Hackensack	381.8	391.5	391.4	(1)	(1)	(1)	13.6	15.3	13.5	109.5	114.6	114.6
36 Jersey City	232.6	230.5	231.2	-	-	-	4.3	4.3	4.2	73.0	70.6	70.5
37 Long Branch—Asbury Park	148.1	149.9	148.4	(1)	(1)	(1)	5.8	6.8	6.5	23.8	23.7	23.2
38 New Bruns.—Perth Amboy-Sayreville	269.3	274.0	273.9	(1)	(1)	(1)	9.5	9.3	9.0	87.7	90.0	88.7
39 Newark	917.8	940.7	940.5	1.1	1.0	1.0	32.6	37.5	36.3	246.9	253.3	251.3
40 Paterson—Clifton—Passaic	186.4	195.9	196.1	(1)	(1)	(1)	5.4	6.8	5.7	64.6	68.8	68.5
41 Trenton	160.8	163.0	164.0	(1)	(1)	(1)	2.8	2.9	2.9	38.4	38.0	38.1
42 Vineland—Millville—Bridgeton	56.6	57.5	57.8	(1)	(1)	(1)	1.7	1.8	1.9	19.8	19.2	19.3
43 NEW MEXICO	427.3	455.4	456.9	23.7	25.0	25.3	31.1	34.9	34.1	32.8	34.6	34.6
44 Albuquerque	170.3	181.4	181.8	(1)	(1)	(1)	12.3	15.0	14.5	16.9	17.9	18.0
45 NEW YORK	6,940.6	7,034.6	7,042.6	7.2	7.1	6.6	196.9	216.5	201.7	1,470.4	1,502.5	1,489.3
46 Albany-Schenectady-Troy	323.1	325.1	323.5	(1)	(1)	(1)	10.2	11.4	9.7	64.2	61.7	61.3
47 Binghamton	113.2	115.6	115.4	(1)	(1)	(1)	4.1	4.4	3.8	41.1	42.1	42.3
48 Buffalo	504.6	512.1	511.7	(1)	(1)	(1)	17.5	19.4	17.3	144.4	145.4	145.7
49 Elmira	36.9	37.9	37.7	(1)	(1)	(1)	1.6	1.8	1.5	11.4	11.7	11.7
50 Monroe County	326.9	332.1	332.9	(1)	(1)	(1)	9.0	9.8	8.6	128.8	131.8	132.1
51 Nassau—Suffolk	849.8	861.4	865.6	(1)	(1)	(1)	33.4	34.4	32.8	154.3	157.4	157.6
52 New York—Northeastern New Jersey	6,449.2	6,529.1	(*)	3.7	3.5	(*)	181.5	194.7	(*)	1,356.7	1,390.7	(*)
53 New York and Nassau—Suffolk	4,461.2	4,497.3	4,510.3	1.9	1.9	1.9	116.0	122.0	118.6	774.9	793.1	780.8
54 New York SMSA	3,611.4	3,635.9	3,644.7	1.7	1.7	1.7	82.6	87.6	85.8	620.6	635.7	623.2
55 New York City	3,202.3	3,219.0	3,226.3	1.5	1.5	1.5	67.8	71.3	70.2	537.1	549.0	536.4
56 Poughkeepsie	88.8	92.5	92.1	(1)	(1)	(1)	2.7	2.9	2.6	29.1	30.9	30.9
57 Rochester	400.6	409.4	407.7	(1)	(1)	(1)	10.9	12.4	10.8	149.3	154.1	153.2
58 Rockland County	75.9	77.0	76.6	(1)	(1)	(1)	2.4	2.5	2.3	14.9	15.2	15.1
59 Syracuse	253.7	261.2	259.9	(1)	(1)	(1)	11.2	11.5	10.4	58.9	60.9	60.8
60 Utica—Rome	112.8	115.4	114.4	(1)	(1)	(1)	2.9	3.1	2.5	30.7	31.5	31.4
61 Westchester County	322.0	328.4	330.5	(1)	(1)	(1)	11.8	13.0	12.6	67.3	70.2	70.5

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		
DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
2.1	2.0	2.0	9.1	9.2	9.6	1.1	1.2	1.2	6.0	6.3	6.5	5.0	5.4	5.4
82.4	83.6	84.4	356.2	349.2	356.5	81.6	83.9	84.1	312.6	330.2	331.2	255.0	263.3	262.1
6.1	6.1	6.0	39.3	40.3	41.1	5.6	5.9	5.8	27.0	28.7	28.6	28.1	27.7	27.9
9.6	9.9	9.9	58.1	58.3	59.3	8.6	8.8	8.8	43.6	44.3	44.5	30.7	30.8	30.9
4.4	4.5	(*)	10.0	10.7	(*)	1.5	1.6	(*)	9.3	9.5	(*)	8.9	8.5	(*)
3.4	3.4	(*)	19.9	20.6	(*)	3.5	3.8	(*)	17.5	18.4	(*)	22.3	22.3	(*)
4.4	4.5	(*)	34.9	35.5	(*)	8.5	9.1	(*)	24.5	25.3	(*)	66.3	69.2	(*)
3.0	3.1	(*)	11.3	11.7	(*)	1.7	1.8	(*)	8.4	8.5	(*)	10.6	10.8	(*)
4.1	4.2	(*)	18.5	18.5	(*)	3.9	4.0	(*)	11.9	12.9	(*)	12.2	13.2	(*)
95.4	99.1	99.9	427.0	438.7	443.4	85.0	89.1	89.4	320.2	338.0	339.2	293.1	296.2	295.8
6.2	7.1	7.1	16.7	17.0	17.1	2.1	2.1	2.1	11.7	12.3	12.5	11.9	11.7	11.6
61.9	64.0	64.7	254.4	259.0	262.0	62.4	65.5	65.6	202.9	214.4	215.8	151.1	151.6	151.0
36.7	38.4	38.1	157.5	159.6	163.7	30.5	31.5	31.6	109.4	117.4	117.4	163.5	173.0	173.1
8.2	8.2	8.2	32.2	34.1	34.9	10.0	10.3	10.3	25.3	26.1	26.0	28.7	28.6	28.5
131.0	133.9	135.6	453.5	459.7	465.3	95.7	97.3	97.4	336.1	342.3	340.4	321.2	332.4	332.6
51.9	52.8	52.5	156.7	153.4	156.8	38.9	39.9	40.1	114.0	118.5	118.3	88.5	87.9	88.1
2.5	2.4	2.4	9.1	8.7	8.8	1.8	1.9	1.8	6.3	6.3	6.2	5.7	5.6	5.6
65.9	69.1	69.0	214.6	212.5	216.7	49.9	51.0	51.0	182.3	189.9	188.1	137.9	138.6	138.7
5.6	5.8	5.8	22.4	23.1	23.1	3.0	3.1	3.1	15.6	16.2	16.2	10.7	11.3	11.3
20.7	22.6	22.6	69.8	72.4	73.2	11.5	12.6	12.4	49.9	51.9	52.7	71.8	70.9	69.9
4.0	4.4	4.3	15.2	15.9	16.0	2.0	2.1	2.1	8.9	9.4	9.3	8.3	7.8	7.8
1.8	1.9	1.9	10.1	10.2	10.3	1.9	2.0	2.0	6.2	6.6	6.5	6.2	6.1	6.2
41.7	44.9	44.5	157.8	159.0	160.8	38.5	39.6	39.5	101.3	105.1	104.5	128.1	126.5	126.2
6.5	7.0	7.0	21.2	22.0	22.3	6.7	7.0	6.9	15.1	15.4	15.4	27.3	28.1	28.2
22.0	23.2	23.1	65.3	66.2	67.3	22.3	22.9	23.0	53.5	53.3	53.1	45.0	43.4	43.4
19.0	21.0	21.2	65.0	71.0	72.3	13.4	14.7	14.9	128.4	146.8	144.1	51.3	53.6	53.8
10.5	11.6	11.7	36.4	40.2	40.9	7.0	7.7	7.8	78.6	86.2	84.7	23.0	24.3	24.4
5.9	6.9	6.9	20.1	21.5	22.2	5.0	5.5	5.6	32.8	41.5	41.1	14.4	14.9	14.9
12.5	13.1	13.1	77.8	83.0	84.3	16.9	18.2	18.3	62.6	67.4	67.2	55.0	57.2	57.2
4.0	4.3	4.3	18.6	19.8	20.4	5.0	5.5	5.5	11.9	12.8	12.9	8.3	8.8	8.8
1.7	1.8	1.8	10.3	11.1	11.1	1.7	1.8	1.7	7.6	8.3	8.3	5.1	5.1	5.1
187.0	191.5	190.7	666.1	668.3	679.1	145.5	151.4	151.6	525.8	542.3	538.7	505.8	511.7	510.2
3.4	3.5	3.5	17.0	18.1	17.9	4.3	4.5	4.4	14.0	18.5	17.5	13.9	15.1	14.8
15.1	14.8	15.0	84.5	85.3	86.9	14.8	15.8	15.9	59.4	61.7	62.1	59.1	61.4	62.0
18.3	18.2	18.3	117.7	115.9	118.5	14.0	14.5	14.5	66.2	69.7	68.8	42.4	43.3	43.2
28.5	28.4	28.1	46.5	46.5	47.2	8.8	8.9	9.0	28.3	28.3	28.4	43.2	43.5	43.8
6.0	6.2	6.2	37.7	38.6	39.2	6.9	7.0	7.0	34.0	34.8	33.3	33.9	32.8	33.0
17.9	18.1	18.6	62.3	64.8	66.0	8.3	8.6	8.6	35.5	37.1	36.9	48.1	46.1	46.1
70.5	69.2	69.6	180.7	179.8	184.1	61.5	64.1	64.1	174.4	183.1	182.9	150.1	152.7	151.2
6.6	6.8	6.7	44.3	44.6	45.6	9.2	9.4	9.4	28.3	29.5	29.8	27.9	30.0	30.4
5.4	5.4	5.4	24.9	25.4	26.2	6.4	6.7	6.7	38.1	38.0	37.8	44.7	46.6	46.9
3.0	3.0	2.9	8.9	9.3	9.5	3.1	3.2	3.2	8.1	8.2	8.2	11.9	12.8	12.8
25.8	27.6	28.0	101.0	106.5	108.6	18.6	19.9	20.0	81.4	88.2	87.8	112.9	118.7	118.5
9.5	10.7	10.9	44.9	47.3	48.2	9.5	10.1	10.1	38.0	39.8	39.6	39.2	40.6	40.5
427.8	426.8	427.0	1,485.3	1,476.9	1,506.9	578.7	584.2	585.2	1,495.1	1,522.7	1,523.6	1,279.2	1,297.9	1,302.2
15.1	14.6	14.7	65.4	66.7	67.0	14.4	14.6	14.6	61.8	62.0	61.9	92.1	94.1	94.3
4.7	4.6	4.6	21.7	22.2	22.5	3.5	3.7	3.6	15.3	15.7	15.7	22.8	22.9	23.0
27.6	28.1	28.2	114.9	114.2	116.3	21.4	22.0	22.0	91.4	93.7	92.4	87.4	89.4	89.8
1.4	1.4	1.4	8.4	8.6	8.7	1.0	1.0	1.0	6.3	6.4	6.4	6.8	7.1	7.1
10.1	10.0	10.0	63.2	62.9	64.8	14.4	14.7	14.7	61.5	62.9	62.2	39.9	40.2	40.6
35.5	35.5	35.7	232.5	230.1	235.1	45.7	46.5	46.6	171.3	175.9	175.7	177.1	181.6	182.2
456.9	453.0	(*)	1,426.0	1,408.8	(*)	581.4	588.2	(*)	1,380.7	1,414.0	(*)	1,062.3	1,076.2	(*)
315.1	312.4	312.4	974.5	957.2	977.7	479.6	482.8	483.9	1,048.5	1,067.8	1,071.3	750.6	760.0	763.7
279.6	276.8	276.8	742.0	727.1	742.6	433.9	436.3	437.4	877.4	892.1	895.9	573.5	578.4	581.4
257.9	255.0	254.9	643.4	628.3	642.1	414.9	417.0	418.0	782.6	795.7	799.2	497.1	501.2	504.1
2.9	2.7	2.8	15.3	15.6	15.6	2.4	2.4	2.4	15.2	15.7	15.5	21.1	22.4	22.3
13.1	13.0	13.0	79.9	79.8	81.6	15.8	16.2	16.3	71.2	73.3	72.1	60.4	60.5	60.8
3.6	3.5	3.5	16.3	16.5	16.7	2.2	2.2	2.2	16.0	16.5	16.3	20.4	20.6	20.4
14.2	14.4	14.4	57.2	57.9	58.4	14.8	15.0	15.0	49.7	51.8	51.0	47.6	49.8	49.9
4.0	4.0	4.0	21.4	22.0	22.0	5.3	5.4	5.4	18.9	20.0	19.5	29.5	29.5	29.5
17.5	17.7	17.7	79.2	79.3	80.7	16.4	16.7	16.7	76.7	77.9	78.3	53.1	53.6	54.0

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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
1 NORTH CAROLINA	2,186.0	2,245.5	2,250.8	4.7	5.2	5.2	103.7	113.2	111.3	794.6	808.9	807.5
2 Asheville	65.8	68.2	68.5	(1)	(1)	(1)	3.0	3.3	3.2	21.2	21.9	21.9
3 Charlotte—Gastonia	298.1	305.2	305.9	(1)	(1)	(1)	14.3	14.9	14.7	85.8	86.2	86.3
4 Greensboro—Winston-Salem—High Pt	360.7	368.1	368.8	(1)	(1)	(1)	14.9	15.2	14.8	143.7	144.3	144.2
5 Raleigh—Durham	235.3	244.7	245.5	(1)	(1)	(1)	11.1	12.3	12.2	37.0	38.8	39.1
6 NORTH DAKOTA	224.4	235.9	233.3	3.3	3.9	4.0	15.3	19.4	16.6	15.3	16.3	16.1
7 Fargo—Moorhead	60.1	62.9	62.5	(2)	(2)	(2)	4.0	4.9	4.4	5.1	5.0	5.0
8 OHIO	4,293.8	4,425.8	4,431.2	17.9	31.3	31.2	160.2	186.1	172.2	1,361.7	1,388.6	1,389.1
9 Akron	263.5	267.9	267.5	.3	.4	.4	7.4	8.8	8.0	85.5	84.1	83.8
10 Canton	151.9	155.3	155.6	.9	1.0	1.0	5.8	6.9	6.4	56.1	56.6	56.9
11 Cincinnati	571.5	594.4	595.3	.4	.5	.5	24.1	27.7	26.3	163.9	171.3	170.9
12 Cleveland	895.7	916.7	920.0	1.5	1.6	1.5	29.3	33.0	30.7	275.0	281.2	281.6
13 Columbus	483.0	496.0	497.7	.8	.9	.8	18.6	21.8	20.1	100.4	101.8	101.7
14 Dayton	353.5	363.6	364.9	.4	.4	.4	12.6	15.5	14.4	111.9	111.6	112.1
15 Toledo	299.7	312.3	312.0	.6	.7	.6	11.0	12.8	11.9	89.3	92.0	91.8
16 Youngstown—Warren	210.1	216.0	216.3	.3	.3	.3	7.2	8.9	8.3	81.2	81.2	80.9
17 OKLAHOMA	1,004.7	1,042.6	1,048.3	50.4	54.8	55.1	51.1	56.2	54.5	166.5	172.6	173.1
18 Oklahoma City	350.8	374.9	378.7	12.1	14.0	14.3	18.5	24.7	24.1	45.6	49.1	49.4
19 Tulsa	261.0	268.5	269.2	16.0	16.7	16.7	14.2	15.0	14.8	54.4	56.1	56.1
20 OREGON	971.3	1,029.5	1,027.5	1.8	2.1	1.9	43.8	53.7	51.9	211.2	219.6	218.2
21 Eugene—Springfield	98.4	102.2	101.2	(1)	(1)	(1)	5.5	5.7	5.5	19.8	20.3	20.3
22 Jackson County	—	—	—	(1)	(1)	(1)	—	—	—	7.5	7.5	7.4
23 Portland	502.3	531.2	533.6	(1)	(1)	(1)	22.0	28.3	27.7	103.1	107.1	108.5
24 Salem	80.2	84.8	83.4	(1)	(1)	(1)	5.0	5.2	4.9	11.8	13.6	12.1
25 PENNSYLVANIA	4,582.0	4,675.9	4,665.8	24.6	47.6	46.7	173.2	196.8	182.7	1,341.4	1,371.0	1,366.0
26 Allentown—Bethlehem—Easton	261.8	266.8	266.2	(1)	(1)	(1)	9.7	9.4	9.1	106.6	108.5	108.4
27 Altoona	52.1	52.3	52.3	(1)	(1)	(1)	2.4	2.2	2.1	12.9	12.9	13.1
28 Delaware Valley ¹⁰	1,540.3	1,561.9	1,562.9	(1)	(1)	(1)	51.5	56.7	53.8	382.4	385.5	385.5
29 Erie	112.8	116.1	114.2	(1)	(1)	(1)	3.1	4.3	4.0	43.5	45.2	44.1
30 Harrisburg	206.8	211.1	211.0	(1)	(1)	(1)	8.0	9.7	8.8	40.2	41.6	41.9
31 Johnstown	79.7	88.0	87.7	1.5	9.5	9.3	3.4	2.7	2.4	19.1	19.3	19.2
32 Lancaster	143.8	147.0	147.0	(1)	(1)	(1)	6.7	7.9	7.8	58.2	59.1	59.2
33 Northeast Pennsylvania	230.9	232.2	230.5	1.4	1.4	1.4	10.7	10.0	9.4	69.5	70.0	68.3
34 Philadelphia SMSA	1,848.7	1,884.7	1,887.5	(1)	(1)	(1)	62.1	69.2	65.6	450.0	456.7	456.5
35 Philadelphia City ¹¹	800.7	813.2	810.1	(1)	(1)	(1)	16.8	17.4	16.8	156.4	155.8	154.7
36 Pittsburgh	904.2	933.2	930.0	1.3	11.5	11.2	41.3	49.4	45.8	243.8	250.9	251.0
37 Reading	136.2	139.3	140.7	(1)	(1)	(1)	5.0	5.4	5.3	52.8	54.3	54.4
38 Scranton ¹²	82.9	82.7	83.5	(1)	(1)	(1)	2.3	2.0	1.9	26.5	26.9	27.0
39 Wilkes-Barre—Hazleton ¹³	122.1	122.0	120.5	1.2	1.2	1.2	7.6	6.9	6.6	38.5	38.3	36.7
40 Williamsport	46.4	48.9	48.9	(1)	(1)	(1)	1.6	2.1	2.0	17.6	18.2	18.2
41 York	143.7	148.7	148.2	(1)	(1)	(1)	6.0	6.6	6.5	60.6	63.4	63.0
42 RHODE ISLAND	388.6	408.8	407.6	(1)	(1)	(1)	12.4	15.0	14.4	131.3	138.9	137.0
43 Providence—Warwick—Pawtucket	399.4	422.3	421.0	(1)	(1)	(1)	12.6	15.2	14.6	148.5	155.9	154.0
44 SOUTH CAROLINA	1,105.7	1,127.6	1,130.2	1.9	1.9	1.9	69.0	71.9	70.9	384.6	388.2	388.3
45 Charleston—North Charleston	133.7	134.5	135.1	(1)	(1)	(1)	10.8	9.3	9.3	18.1	18.7	18.9
46 Columbia	168.4	172.9	173.7	(1)	(1)	(1)	8.2	8.3	8.2	24.8	25.8	25.9
47 Greenville—Spartanburg	246.3	251.4	252.2	(1)	(1)	(1)	14.6	16.2	15.9	101.2	102.9	103.1
48 SOUTH DAKOTA	229.3	234.4	233.5	2.6	2.6	2.6	11.9	13.3	11.9	23.8	25.0	25.1
49 Rapid City	27.4	28.8	28.0	(2)	(2)	(2)	2.5	2.9	2.6	2.6	2.7	2.7
50 Sioux Falls	51.8	53.3	53.3	(2)	(2)	(2)	3.1	3.9	3.1	7.0	7.3	7.3
51 TENNESSEE	1,685.4	1,721.1	1,708.6	9.2	8.6	8.5	76.1	91.1	89.0	523.8	527.1	509.1
52 Chattanooga	163.5	164.6	164.7	1.1	1.2	1.1	5.8	5.9	5.6	55.4	55.0	55.0
53 Knoxville	186.2	189.6	189.6	1.6	1.6	1.6	11.6	11.5	11.3	52.4	53.3	53.0
54 Memphis	344.1	348.3	347.6	.1	.2	.1	14.1	13.8	13.4	61.2	63.3	62.6
55 Nashville—Davidson	334.9	346.7	346.8	(1)	(1)	(1)	17.2	21.0	21.0	82.1	83.0	82.9
56 TEXAS	5,007.4	5,204.6	5,239.0	161.3	173.1	173.0	343.6	365.0	361.4	921.9	964.6	968.1
57 Amarillo	70.7	71.9	72.2	(1)	(1)	(1)	4.8	5.5	5.5	8.8	9.2	9.3
58 Austin	206.2	217.0	217.5	(1)	(1)	(1)	11.7	13.2	13.2	23.8	26.5	26.6
59 Beaumont—Port Arthur—Orange	143.1	143.9	144.2	(1)	(1)	(1)	15.1	15.1	15.5	41.2	41.6	41.6
60 Corpus Christi	104.8	107.6	107.9	4.2	4.2	4.2	9.5	11.6	11.6	13.1	13.1	13.1
61 Dallas-Fort Worth	1,212.5	1,267.0	1,278.5	14.3	16.6	16.8	54.8	60.7	60.8	271.5	287.2	288.9
62 El Paso	141.1	145.8	146.6	(1)	(1)	(1)	8.2	8.5	8.5	28.3	29.7	29.3
63 Galveston—Texas City	70.0	72.4	72.6	(1)	(1)	(1)	4.9	5.9	5.5	11.8	11.9	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		
DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
105.7	110.1	109.8	432.3	439.6	449.6	84.2	84.3	84.4	297.7	310.7	310.2	363.1	373.5	372.8
3.3	3.5	3.5	13.8	14.3	14.5	2.4	2.4	2.5	10.7	10.9	10.8	11.4	11.9	12.1
27.2	27.9	27.8	72.1	73.5	74.6	18.6	18.7	18.7	43.6	45.8	45.5	36.5	38.2	38.3
20.2	21.3	21.4	73.5	75.0	76.7	16.2	16.5	16.5	50.3	52.6	52.5	41.9	43.2	42.7
10.7	11.7	11.8	48.8	49.1	50.8	13.6	13.9	13.9	48.6	51.6	51.1	65.5	67.3	66.6
14.1	15.2	15.1	64.7	65.8	66.5	10.4	10.8	10.9	42.7	44.7	44.6	58.9	59.8	59.5
3.7	3.9	3.9	19.4	20.3	20.5	3.5	3.7	3.7	12.4	12.8	12.8	12.0	12.3	12.2
223.6	231.5	232.0	961.1	972.2	989.5	186.6	193.3	194.2	730.2	766.8	762.9	652.5	656.0	660.0
14.5	14.5	14.6	60.1	62.1	63.5	9.1	9.4	9.4	44.6	46.8	46.2	41.9	41.9	41.7
7.5	7.7	7.7	33.3	33.9	34.6	5.7	5.9	5.9	24.9	26.1	25.9	17.8	17.4	17.4
32.8	34.4	34.5	136.3	137.1	139.8	30.0	30.3	30.5	104.0	110.6	110.6	79.9	82.4	82.3
47.5	48.8	48.9	210.4	211.0	215.6	45.7	45.8	46.0	166.6	177.3	176.5	119.8	118.1	119.2
23.8	25.5	25.7	119.5	121.2	123.5	32.0	33.8	34.1	90.1	94.4	93.7	97.9	96.8	98.2
12.7	13.5	13.6	75.0	76.4	78.2	12.2	12.6	12.7	63.5	67.3	66.7	65.2	66.3	66.9
20.0	21.6	21.5	69.2	70.7	71.9	10.0	10.6	10.6	54.3	57.4	57.1	45.2	46.5	46.5
10.1	10.5	10.5	46.1	46.3	47.4	6.9	7.0	7.0	32.6	35.4	35.2	25.8	26.3	26.5
59.6	61.4	61.5	242.2	247.3	252.1	49.8	51.5	51.7	163.6	173.5	174.2	221.5	225.3	226.1
20.5	21.5	21.6	89.9	90.6	93.2	21.9	23.1	23.3	58.0	63.7	64.0	85.3	88.2	88.8
19.7	19.9	19.8	64.4	64.4	65.3	13.4	14.0	14.1	50.8	53.9	53.8	28.1	28.5	28.6
55.0	58.8	58.8	239.3	253.2	255.0	59.8	65.4	65.9	166.3	174.7	174.8	194.1	202.0	201.0
4.8	5.1	5.2	24.7	24.9	24.9	4.8	4.8	4.7	17.0	17.8	17.7	21.8	23.6	22.9
32.6	34.8	34.7	131.5	137.2	138.8	38.5	40.4	40.7	96.3	102.4	102.5	78.3	81.0	80.7
3.1	3.3	3.3	17.0	17.8	18.2	5.0	5.1	5.1	12.8	12.9	12.9	25.5	26.9	26.9
258.7	261.2	261.6	962.3	960.9	970.5	220.3	228.3	228.8	874.2	899.7	899.9	727.3	710.4	709.6
13.0	13.5	13.4	46.4	47.5	47.6	7.9	8.1	8.0	40.2	41.4	41.4	38.0	38.4	38.3
8.1	8.1	8.1	11.8	11.5	11.6	1.4	1.4	1.4	7.8	8.1	8.0	7.7	8.1	8.0
82.4	82.2	81.9	335.0	334.0	336.9	99.4	101.9	102.3	351.0	367.9	368.1	238.6	233.7	234.4
5.3	5.5	5.5	22.0	22.3	22.4	4.6	4.6	4.5	19.6	19.8	19.6	14.7	14.4	14.1
15.0	14.9	14.9	41.5	41.8	42.2	11.8	12.2	12.2	35.0	35.1	35.0	55.3	55.8	56.0
5.6	5.6	5.6	16.8	16.3	16.5	3.7	3.8	3.9	15.3	15.5	15.6	14.3	15.3	15.2
6.3	6.7	6.6	31.7	31.6	32.0	4.4	4.6	4.6	22.1	22.4	22.4	14.4	14.7	14.4
12.2	13.0	12.8	49.9	49.7	50.4	9.0	9.3	9.4	40.0	40.1	39.7	38.2	38.7	39.1
98.1	97.0	96.8	419.2	419.3	423.7	113.7	117.7	118.2	408.2	429.6	430.2	297.4	295.2	296.5
55.5	54.9	54.7	160.9	163.5	165.0	65.8	67.2	67.5	199.4	210.7	208.3	145.9	143.7	143.1
56.7	56.5	56.1	203.9	206.9	208.7	42.0	43.0	43.1	187.7	187.9	187.4	127.5	127.1	126.7
6.4	6.5	6.5	25.9	25.7	26.2	5.2	5.6	5.7	21.6	22.3	22.4	19.3	19.5	20.2
4.2	4.6	4.6	19.2	18.7	19.1	3.3	3.4	3.4	16.3	16.2	16.4	11.1	10.9	11.1
6.0	6.5	6.5	26.0	26.2	26.6	4.8	5.0	5.0	17.6	17.4	17.2	20.4	20.5	20.7
2.3	2.4	2.4	9.4	10.4	10.5	1.9	2.0	2.0	7.7	7.8	7.8	5.9	6.0	6.0
6.4	6.6	6.6	30.9	31.7	32.0	3.6	3.8	3.8	19.1	19.5	19.3	17.1	17.1	17.0
13.4	13.6	13.6	80.5	83.1	84.8	19.4	20.2	20.3	71.9	77.3	76.7	59.7	60.7	60.8
13.2	13.5	13.5	80.0	84.4	86.1	19.3	20.7	20.7	69.0	74.9	74.3	56.8	57.7	57.8
46.5	49.7	49.5	208.8	210.9	215.3	41.9	44.2	44.3	132.6	138.3	137.7	220.4	222.5	222.3
8.2	8.4	8.5	29.0	28.8	29.3	5.6	5.9	5.9	19.9	20.5	20.5	42.1	42.9	42.7
8.5	8.9	9.0	36.5	36.9	37.2	12.4	13.3	13.4	25.0	25.8	26.0	53.0	53.9	54.0
9.6	9.9	9.8	47.7	48.0	49.1	8.8	9.1	9.2	32.0	33.1	33.0	32.4	32.2	32.1
13.3	13.5	13.5	63.2	63.4	63.5	10.4	11.0	11.0	47.1	48.5	48.3	57.0	57.1	57.6
1.8	1.9	1.9	8.0	8.3	7.9	1.3	1.3	1.3	5.6	6.1	6.0	5.6	5.6	5.6
4.7	5.1	5.2	16.1	15.2	15.7	3.2	2.9	2.9	11.2	12.2	12.2	6.5	6.7	6.9
78.0	81.4	81.5	369.9	375.0	382.8	70.5	71.2	71.5	254.0	257.2	257.3	303.9	309.5	309.0
6.3	6.2	6.3	30.6	30.1	30.7	8.3	8.7	8.7	25.9	26.0	26.0	30.1	31.5	31.3
7.3	7.7	7.7	38.5	38.4	38.9	6.9	7.0	7.1	27.6	27.8	27.6	40.0	42.3	42.4
24.0	25.2	25.1	93.4	92.8	93.7	18.6	18.7	18.8	66.3	67.6	67.5	66.4	66.7	66.4
17.6	18.8	18.8	76.3	78.3	79.0	19.9	20.1	20.2	60.2	61.9	61.5	61.6	63.6	63.4
314.6	332.8	333.7	1,252.3	1,272.5	1,302.8	277.8	290.3	290.2	856.0	886.1	887.8	879.9	920.2	922.0
6.8	6.9	6.9	21.4	21.0	21.0	3.6	3.6	3.7	13.3	13.3	13.4	12.0	12.4	12.4
6.5	6.8	6.6	43.7	44.4	44.9	11.8	12.7	12.8	34.3	35.3	34.9	74.4	78.1	78.5
10.6	11.2	11.1	30.4	29.6	30.1	5.2	5.4	5.5	22.0	22.1	21.7	18.6	18.9	18.7
6.1	6.2	6.1	25.6	25.5	26.0	5.4	5.6	5.6	17.4	17.6	17.8	23.5	23.8	23.5
79.4	85.2	85.8	330.7	336.8	345.8	90.5	95.4	95.8	207.1	219.3	219.3	164.2	165.8	165.3
9.3	9.2	9.3	36.7	36.6	37.2	7.0	7.1	7.3	23.7	25.1	25.2	27.9	29.6	29.8
7.6	7.2	7.6	12.9	13.3	13.6	4.6	4.9	4.9	10.2	10.8	10.7	18.0	18.4	18.5

**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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
TEXAS—Continued												
1 Houston	1,201.7	1,260.6	1,267.1	50.8	53.1	53.1	128.3	140.3	139.4	196.1	205.8	205.8
2 Lubbock	85.1	88.1	88.8	(1)	(1)	(1)	5.0	5.5	5.5	12.8	13.3	12.7
3 San Antonio	348.3	357.5	359.6	1.8	1.7	1.8	22.3	24.2	23.6	43.2	45.4	45.8
4 Waco	65.1	66.8	66.8	(1)	(1)	(1)	3.2	3.7	3.6	15.8	16.0	16.0
5 Wichita Falls	48.8	49.3	49.5	2.5	2.5	2.5	2.5	2.5	2.5	8.6	9.1	9.1
UTAH												
6 Salt Lake City—Ogden	507.8	548.3	550.5	13.8	16.5	16.6	32.7	38.4	36.9	77.4	82.2	82.3
	362.7	388.8	390.6	6.8	7.1	7.1	22.3	26.3	25.0	52.1	54.8	55.3
VERMONT												
8 Burlington	180.8	187.1	189.7	.7	.7	.7	8.0	9.1	7.8	44.6	48.4	48.6
9 Springfield ¹⁴	47.8	51.1	51.2	-	-	-	-	-	-	11.0	12.7	12.7
10	13.6	13.8	14.3	-	-	-	-	-	-	5.7	6.0	6.0
VIRGINIA ³												
11	1,977.5	2,092.0	2,095.3	13.3	24.9	24.6	120.7	138.9	133.9	407.4	413.2	412.2
12 Bristol ²	26.5	28.2	26.9	(1)	(1)	(1)	1.2	1.5	1.4	9.4	10.3	9.6
13 Lynchburg ³	66.9	69.8	70.2	(1)	(1)	(1)	3.1	3.6	3.5	28.7	29.3	29.5
14 Newport News—Hampton ³	137.0	140.9	140.8	(1)	(1)	(1)	6.6	8.2	8.0	34.7	32.6	32.3
15 Norfolk—Virginia Beach—Portsmouth ³	267.7	281.8	281.6	(1)	(1)	(1)	17.5	20.1	19.5	27.3	29.3	29.4
16 Northern Virginia ^{3, 15}	397.6	413.5	415.8	.3	.3	.3	26.9	28.6	28.1	14.7	15.8	16.1
17 Petersburg-Colonial Heights-Hopewell ³	45.6	47.6	47.5	(1)	(1)	(1)	2.4	2.6	2.6	12.2	11.9	11.8
18 Richmond ³	305.7	321.8	322.0	.4	.4	.4	18.0	19.7	19.2	53.1	54.5	54.3
19 Roanoke ³	102.6	105.9	105.2	.2	.2	.2	5.6	6.2	5.5	21.1	21.4	21.2
WASHINGTON												
20	1,390.0	1,495.1	(*)	2.1	2.5	(*)	76.8	92.2	(*)	272.9	297.3	(*)
21 Seattle—Everett	656.1	718.9	(*)	(1)	(1)	(*)	33.5	43.3	(*)	133.5	152.4	(*)
22 Spokane	114.7	121.1	(*)	(1)	(1)	(*)	5.6	6.9	(*)	15.6	16.8	(*)
23 Tacoma	126.4	133.8	(*)	(1)	(1)	(*)	6.6	8.5	(*)	21.2	21.1	(*)
WEST VIRGINIA												
24	570.3	639.7	636.9	19.2	75.6	74.6	37.7	42.3	39.8	123.1	126.5	124.9
25 Charleston ¹⁶	106.1	111.0	111.7	1.9	6.9	6.9	6.9	7.3	7.2	19.5	19.6	19.6
26 Huntington—Ashland ¹⁶	102.3	104.7	104.9	.7	1.0	1.0	6.7	6.8	6.7	28.6	29.3	29.3
27 Parkersburg—Marietta ¹⁶	55.5	57.7	57.6	.5	.5	.5	3.4	4.3	4.2	16.7	18.2	18.1
28 Wheeling ¹⁶	59.5	67.4	67.2	1.6	7.2	7.3	3.4	4.6	4.3	13.4	13.6	13.5
WISCONSIN												
29	1,832.8	1,924.0	1,920.0	2.1	2.6	2.2	77.2	96.2	88.1	542.0	562.9	561.9
30 Appleton—Oshkosh	113.1	119.3	118.7	(1)	(1)	(1)	4.7	5.9	5.6	44.6	47.1	46.8
31 Eau Claire	41.6	42.4	42.1	(1)	(1)	(1)	1.5	1.5	1.4	8.9	8.4	8.3
32 Green Bay	71.7	73.4	73.7	(1)	(1)	(1)	3.6	3.7	3.4	20.7	21.2	21.1
33 Kenosha	41.0	43.0	43.1	(1)	(1)	(1)	1.2	1.3	1.1	16.4	18.0	18.2
34 La Crosse	40.2	42.0	42.1	(1)	(1)	(1)	1.7	2.1	2.0	10.1	10.6	10.6
35 Madison	153.3	156.0	154.9	(1)	(1)	(1)	7.0	7.5	7.0	18.1	17.8	17.5
36 Milwaukee	631.4	652.8	653.3	(1)	(1)	(1)	23.0	25.9	24.3	203.8	211.0	210.9
37 Racine	67.1	68.6	68.8	(1)	(1)	(1)	2.2	2.7	2.6	28.6	29.6	29.7
WYOMING												
38	171.3	187.9	188.8	26.9	30.4	30.7	16.3	19.3	17.5	9.2	9.8	9.9
39 Casper	31.5	36.6	37.4	6.1	7.8	8.1	3.0	3.9	3.7	1.7	1.8	1.8
40 Cheyenne	24.3	25.5	25.7	(1)	(1)	(1)	1.6	1.9	1.9	1.6	1.6	1.6

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

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.
¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
¹⁴ Total includes data for industry divisions not shown separately.
¹⁵ 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.
¹⁶ Revised to December 1977 benchmark; not strictly comparable with previously published data.
 p=preliminary.
 * Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	
88.2	93.5	93.7	301.7	313.4	318.8	70.5	77.0	77.0	230.0	239.8	240.5	136.1	137.7	138.8	1
4.8	4.8	5.0	27.0	27.3	28.1	4.0	4.1	4.2	13.8	14.5	14.3	17.7	18.6	19.0	2
15.1	16.3	16.3	89.5	88.4	90.9	23.1	24.4	24.4	64.7	66.8	66.5	88.6	90.3	90.3	3
3.1	3.2	3.2	15.5	15.8	16.0	3.7	3.8	3.8	12.9	13.4	13.3	10.9	10.9	10.9	4
2.5	2.5	2.5	12.7	12.5	12.7	2.2	2.3	2.3	7.3	7.5	7.5	10.5	10.4	10.4	5
30.2	33.2	33.2	127.1	135.2	138.8	23.2	25.1	25.3	85.7	92.9	93.9	117.7	124.8	123.2	6
23.9	26.4	26.4	95.3	101.1	104.0	19.0	20.4	20.4	58.2	63.2	64.2	85.0	89.5	88.0	7
8.5	8.8	8.7	38.3	39.5	40.3	7.1	7.3	7.3	41.5	40.3	43.3	32.4	33.0	33.0	8
2.1	2.1	2.1	10.3	11.1	11.1	-	-	-	10.2	10.5	10.7	-	-	-	9
.8	.8	.8	2.1	2.2	2.3	-	-	-	2.8	2.5	3.0	-	-	-	10
107.3	111.3	111.9	432.8	447.7	457.3	93.1	98.8	98.1	336.4	362.4	362.4	466.5	494.8	494.9	11
.9	1.0	1.0	6.7	6.4	6.5	.8	.9	.9	3.1	3.3	3.1	4.4	4.8	4.4	12
2.5	2.4	2.5	11.6	11.9	12.1	2.9	3.1	3.1	8.9	9.6	9.6	9.2	9.9	9.9	13
4.4	4.6	4.6	26.2	26.9	27.3	4.4	4.6	4.6	23.3	25.0	24.9	37.4	39.0	39.1	14
18.1	17.9	18.0	66.3	69.1	69.9	13.7	14.3	14.2	47.0	50.2	49.7	77.8	80.9	80.9	15
26.4	27.3	27.3	99.0	100.4	102.9	24.1	25.2	25.2	93.3	100.1	99.9	112.9	115.8	116.0	16
1.3	1.5	1.4	8.8	9.0	9.1	1.1	1.3	1.3	5.4	5.8	5.8	14.4	15.5	15.5	17
18.6	19.5	19.5	73.5	75.1	75.9	23.7	25.1	25.0	50.6	55.1	55.3	67.8	72.4	72.4	18
9.4	10.1	10.0	26.5	26.6	27.0	5.7	5.8	5.9	18.5	19.1	19.0	15.6	16.5	16.4	19
78.2	86.5	(*)	347.5	369.5	(*)	77.7	83.9	(*)	250.7	270.0	(*)	284.1	293.2	(*)	20
44.8	48.1	(*)	164.8	175.7	(*)	45.9	49.5	(*)	121.8	134.6	(*)	111.8	115.3	(*)	21
7.5	7.9	(*)	32.4	33.9	(*)	7.3	7.9	(*)	25.7	27.6	(*)	20.6	20.1	(*)	22
6.0	6.5	(*)	30.6	31.8	(*)	6.2	6.7	(*)	25.9	28.7	(*)	29.9	30.5	(*)	23
38.6	42.0	42.4	130.6	128.5	130.4	20.2	20.5	20.6	87.2	88.9	88.5	113.7	115.5	115.8	24
8.9	9.5	9.5	26.5	25.9	26.5	4.8	4.9	4.9	18.5	18.7	18.6	19.0	18.4	18.6	25
8.5	9.5	9.5	23.1	23.4	23.7	3.6	3.7	3.7	14.0	14.2	14.1	17.0	16.8	16.9	26
2.4	2.5	2.6	12.5	12.2	12.5	1.9	1.9	1.9	8.4	8.6	8.6	9.8	9.6	9.4	27
3.6	3.8	3.8	14.8	15.5	15.7	2.5	2.4	2.4	12.5	12.6	12.5	7.7	7.7	7.7	28
87.1	90.6	89.5	425.3	446.4	451.2	80.7	84.7	85.2	323.7	340.3	341.9	294.6	300.4	299.9	29
4.2	4.1	4.1	23.4	24.5	24.5	4.4	4.6	4.6	17.0	17.9	17.8	14.8	15.1	15.3	30
2.4	2.4	2.5	10.6	11.0	11.1	1.3	1.3	1.4	7.9	8.1	8.1	9.1	9.6	9.4	31
4.4	4.5	4.5	17.1	17.7	17.9	2.4	2.6	2.6	13.4	13.7	13.8	10.3	10.0	10.4	32
1.4	1.5	1.4	8.0	8.1	8.1	.8	.8	.8	7.3	7.4	7.5	5.8	5.9	5.9	33
2.1	2.2	2.2	10.8	11.5	11.5	.9	.9	.9	8.2	8.5	8.5	6.3	6.3	6.5	34
5.4	5.4	5.4	34.9	35.5	35.8	10.5	11.5	11.6	24.9	25.8	25.7	52.6	52.7	52.0	35
32.5	33.6	33.8	140.3	144.5	146.1	32.4	33.4	33.6	123.6	129.8	130.1	75.9	74.6	74.5	36
2.7	2.5	2.6	12.4	12.8	13.0	2.0	2.2	2.2	10.1	10.3	10.3	9.0	8.5	8.5	37
13.3	14.4	14.4	38.3	42.8	44.1	5.8	6.2	6.3	22.7	24.1	24.6	38.8	40.9	41.3	38
2.2	2.4	2.4	8.1	10.2	10.8	1.3	1.3	1.3	4.5	4.7	4.7	4.6	4.5	4.6	39
3.4	3.7	3.7	5.8	6.6	6.7	1.4	1.4	1.4	3.9	3.7	3.7	6.6	6.6	6.7	40

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

**C-1. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls by industry division, 1957 to date**

Year and month	Average												
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Hourly earnings excl. overtime
	Total private ¹			Mining			Construction			Manufacturing			
1957.....	\$ 73.33	38.8	\$ 1.89	\$ 98.25	40.1	\$ 2.45	\$ 100.27	37.0	\$ 2.71	\$ 81.19	39.8	\$ 2.04	\$ 1.98
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.32	39.2	2.10	2.05
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19	2.12
1960.....	80.67	38.6	2.09	105.04	40.4	2.60	112.67	36.7	3.07	89.72	39.7	2.26	2.19
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32	2.25
1962.....	85.91	38.7	2.22	110.70	41.0	2.70	122.47	37.0	3.31	96.56	40.4	2.39	2.31
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.23	40.5	2.45	2.37
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53	2.43
1965.....	95.45	38.8	2.46	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61	2.50
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.19	41.4	2.71	2.59
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.49	40.6	2.82	2.71
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.49	37.3	4.41	122.51	40.7	3.01	2.88
1969.....	114.61	37.7	3.04	154.80	43.0	3.60	181.54	37.9	4.79	129.51	40.6	3.19	3.05
1970.....	119.83	37.1	3.23	164.40	42.7	3.85	195.45	37.3	5.24	133.33	39.8	3.35	3.23
1971.....	127.31	36.9	3.45	172.14	42.4	4.06	211.67	37.2	5.69	142.44	39.9	3.57	3.45
1972.....	136.90	37.0	3.70	189.14	42.6	4.44	221.19	36.5	6.06	154.71	40.5	3.82	3.66
1973.....	145.39	36.9	3.94	200.98	42.4	4.74	235.89	36.8	6.41	166.46	40.7	4.09	3.91
1974.....	154.76	36.5	4.24	219.14	41.9	5.23	249.25	36.6	6.81	177.20	40.0	4.43	4.25
1975.....	163.53	36.1	4.53	249.31	41.9	5.95	266.08	36.4	7.31	190.79	39.5	4.83	4.67
1976.....	175.45	36.1	4.86	273.90	42.4	6.46	283.36	36.8	7.70	209.32	40.1	5.22	5.02
1977.....	188.64	36.0	5.24	301.20	43.4	6.94	295.29	36.5	8.09	228.50	40.3	5.67	5.44
1978 ^p	203.70	35.8	5.69	332.88	43.4	7.67	319.19	36.9	8.65	249.27	40.4	6.17	5.90
Jan.....	192.00	35.1	5.47	289.53	41.9	6.91	275.22	33.0	8.34	234.02	39.2	5.97	5.73
Feb.....	193.80	35.3	5.49	297.30	42.9	6.93	287.87	34.6	8.32	236.81	39.6	5.98	5.73
Mar.....	197.62	35.8	5.52	301.63	43.4	6.95	304.92	36.3	8.40	242.40	40.4	6.00	5.75
Apr.....	200.12	35.8	5.59	332.23	43.6	7.62	310.43	37.0	8.39	243.61	40.4	6.03	5.79
May.....	200.63	35.7	5.62	331.58	43.4	7.64	312.68	36.7	8.52	245.23	40.4	6.07	5.82
June.....	204.53	36.2	5.65	336.05	43.7	7.69	324.42	37.9	8.56	249.29	40.8	6.11	5.85
July.....	206.55	36.3	5.69	337.82	43.2	7.82	329.67	38.2	8.63	248.65	40.3	6.17	5.92
Aug.....	206.70	36.2	5.71	338.09	43.4	7.79	330.49	37.9	8.72	248.86	40.4	6.16	5.90
Sept.....	209.52	36.0	5.82	345.39	43.5	7.94	332.63	37.5	8.87	255.60	40.7	6.28	5.99
Oct.....	210.37	35.9	5.86	348.29	43.7	7.97	336.55	37.9	8.88	256.59	40.6	6.32	6.04
Nov.....	210.50	35.8	5.88	352.59	43.8	8.05	324.12	36.5	8.88	260.94	40.9	6.38	6.10
Dec.....	212.99	36.1	5.90	351.85	43.6	8.07	330.04	37.0	8.92	267.86	41.4	6.47	6.18
1979: Jan. ^p	209.44	35.2	5.95	351.45	42.6	8.25	312.50	34.8	8.98	258.80	40.0	6.47	6.20
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			
1957.....	-	-	-	\$ 59.60	38.7	\$ 1.54	\$ 67.53	36.7	\$ 1.84	-	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-	-
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-	-
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-	-
1964.....	\$ 118.78	41.1	\$ 2.89	74.66	37.9	1.97	85.79	37.3	2.30	\$ 70.03	36.1	\$ 1.94	-
1965.....	125.14	41.3	3.03	76.91	37.7	2.04	88.91	37.2	2.39	73.60	35.9	2.05	-
1966.....	128.13	41.2	3.11	79.39	37.1	2.14	92.13	37.3	2.47	77.04	35.5	2.17	-
1967.....	130.82	40.5	3.23	82.35	36.6	2.25	95.72	37.1	2.58	80.38	35.1	2.29	-
1968.....	138.85	40.6	3.42	87.00	36.1	2.41	101.75	37.0	2.75	83.97	34.7	2.42	-
1969.....	147.74	40.7	3.63	91.39	35.7	2.56	108.70	37.1	2.93	90.57	34.7	2.61	-
1970.....	155.93	40.5	3.85	96.02	35.3	2.72	112.67	36.7	3.07	96.66	34.4	2.81	-
1971.....	168.82	40.1	4.21	101.09	35.1	2.88	117.85	36.6	3.22	103.06	33.9	3.04	-
1972.....	187.86	40.4	4.65	106.45	34.9	3.05	122.98	36.6	3.36	110.85	33.9	3.27	-
1973.....	203.31	40.5	5.02	111.76	34.6	3.23	129.20	36.6	3.53	117.29	33.8	3.47	-
1974.....	217.48	40.2	5.41	119.02	34.2	3.48	137.61	36.5	3.77	126.00	33.6	3.75	-
1975.....	233.44	39.7	5.88	126.45	33.9	3.73	148.19	36.5	4.06	134.67	33.5	4.02	-
1976.....	256.71	39.8	6.45	133.79	33.7	3.97	155.43	36.4	4.27	143.52	33.3	4.31	-
1977.....	278.90	39.9	6.99	142.19	33.3	4.27	165.26	36.4	4.54	153.45	33.0	4.65	-
1978 ^p	301.60	40.0	7.54	152.85	32.8	4.66	178.85	36.5	4.90	163.67	32.8	4.99	-
Jan.....	289.20	39.4	7.34	146.19	32.2	4.54	173.26	36.4	4.76	160.39	32.8	4.89	-
Feb.....	294.80	40.0	7.37	146.64	32.3	4.54	173.26	36.4	4.76	160.56	32.7	4.91	-
Mar.....	294.33	40.1	7.34	149.11	32.7	4.56	172.79	36.3	4.76	161.05	32.8	4.91	-
Apr.....	296.51	39.8	7.45	150.42	32.7	4.60	177.14	36.6	4.84	162.36	32.8	4.95	-
May.....	297.26	39.9	7.45	150.75	32.7	4.61	176.06	36.3	4.85	161.37	32.6	4.95	-
June.....	301.04	40.3	7.47	153.38	33.2	4.62	178.49	36.5	4.89	162.69	33.0	4.93	-
July.....	301.20	40.0	7.53	157.04	33.7	4.66	180.93	36.7	4.93	164.84	33.3	4.95	-
Aug.....	307.49	40.3	7.63	156.45	33.5	4.67	179.71	36.6	4.91	164.01	33.2	4.94	-
Sept.....	309.94	40.2	7.71	155.47	32.8	4.74	180.91	36.4	4.97	165.46	32.7	5.06	-
Oct.....	309.57	40.1	7.72	156.31	32.7	4.78	183.73	36.6	5.02	167.42	32.7	5.12	-
Nov.....	308.80	40.0	7.72	156.00	32.5	4.80	182.59	36.3	5.03	167.24	32.6	5.13	-
Dec.....	313.50	40.4	7.76	158.55	33.1	4.79	182.95	36.3	5.04	168.22	32.6	5.16	-
1979: Jan. ^p	308.87	39.7	7.78	157.59	31.9	4.94	185.49	36.3	5.11	169.78	32.4	5.24	-

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

²Data include Alaska and Hawaii beginning 1958.
³Prior to January 1966, data were based on the application of adjustment factors to gross average hourly earnings. (See Explanatory Note.)

p = preliminary.

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
-	TOTAL PRIVATE	\$195.48	\$192.00	\$210.50	\$212.99	\$209.44	\$5.40	\$5.47	\$5.88	\$5.90	\$5.95
-	MINING	289.08	289.53	352.59	351.85	351.45	6.77	6.91	8.05	8.07	8.25
10	METAL MINING	318.37	319.35	363.58	365.33	-	7.69	7.77	8.74	8.74	-
101	Iron ores	309.60	331.38	377.52	379.85	-	7.74	7.89	9.01	8.98	-
102	Copper ores	311.64	313.97	371.96	382.97	-	7.95	8.03	8.92	8.99	-
11, 12	COAL MINING	270.68	280.28	416.94	412.15	-	8.08	7.94	9.88	9.86	-
12	BITUMINOUS COAL AND LIGNITE MINING	269.10	281.50	418.20	412.98	-	8.13	8.02	9.91	9.88	-
13	OIL AND GAS EXTRACTION	294.54	299.68	323.28	327.43	-	6.56	6.78	7.20	7.26	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	307.23	330.06	337.81	341.55	-	7.35	7.84	8.14	8.25	-
138	Oil and gas field services	289.54	286.12	317.16	321.07	-	6.24	6.33	6.85	6.89	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	261.76	234.00	298.42	292.37	-	5.99	6.00	6.53	6.57	-
142	Crushed and broken stone	250.13	214.91	295.78	284.31	-	5.75	5.84	6.32	6.29	-
-	CONSTRUCTION	299.27	275.22	324.12	330.04	312.50	8.29	8.34	8.88	8.92	8.98
15	GENERAL BUILDING CONTRACTORS	267.02	253.99	295.60	297.36	-	7.71	7.72	8.28	8.26	-
152	Residential building construction	263.16	242.82	281.32	280.74	-	7.31	7.27	7.88	7.82	-
153	Operative builders	240.08	225.96	247.37	252.62	-	6.84	6.91	7.17	7.28	-
154	Nonresidential building construction	298.21	271.64	319.69	324.89	-	8.33	8.41	8.93	8.95	-
16	HEAVY CONSTRUCTION CONTRACTORS	287.28	258.57	321.60	330.02	-	7.56	7.65	8.31	8.23	-
161	Highway and street construction	262.39	217.12	301.09	313.12	-	6.78	6.66	7.78	7.60	-
162	Heavy construction, except highway	298.21	272.92	333.29	336.94	-	7.91	7.98	8.59	8.53	-
17	SPECIAL TRADE CONTRACTORS	316.48	292.34	340.56	347.98	-	8.89	8.94	9.46	9.56	-
171	Plumbing, heating, air conditioning	340.86	320.94	359.08	367.87	-	8.97	8.99	9.55	9.63	-
172	Painting, paper hanging, decorating	278.56	254.75	304.67	312.05	-	8.34	8.38	8.78	8.84	-
173	Electrical work	373.16	348.61	402.92	412.93	-	9.82	9.82	10.52	10.67	-
174	Masonry, stonework, and plastering	285.36	260.17	314.16	314.50	-	8.70	8.76	9.24	9.36	-
175	Carpentering and flooring	268.60	244.42	293.75	304.07	-	7.90	7.91	8.49	8.47	-
176	Roofing and sheet metal work	234.96	194.56	269.45	267.12	-	7.78	7.66	8.24	8.27	-
-	MANUFACTURING	243.31	234.02	260.94	267.86	258.80	5.92	5.97	6.38	6.47	6.47
24, 25, 32-39	DURABLE GOODS	265.86	252.73	283.30	292.72	279.73	6.33	6.35	6.81	6.92	6.89
20-23, 26-31	NONDURABLE GOODS	211.47	205.52	226.86	229.43	227.17	5.30	5.38	5.70	5.75	5.81
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	210.80	203.74	229.82	231.78	221.56	52.7	5.39	5.76	5.78	5.80
241	Logging camps and logging contractors	255.13	240.80	295.11	295.94	-	6.84	7.00	7.49	7.38	-
242	Sawmills and planing mills	226.19	218.23	241.98	242.35	-	5.49	5.61	5.96	5.94	-
2421	Sawmills and planing mills, general	238.71	231.08	255.60	256.03	-	5.78	5.91	6.28	6.26	-
2426	Hardwood dimension and flooring	155.74	145.92	166.87	170.16	-	3.78	3.82	4.10	4.13	-
243	Millwork, plywood, and structural members	211.70	210.36	226.23	231.09	-	5.24	5.38	5.67	5.72	-
2431	Millwork	197.78	196.47	213.10	215.12	-	4.92	5.09	5.45	5.46	-
2434	Wood kitchen cabinets	183.74	184.63	205.25	210.81	-	4.81	4.99	5.17	5.31	-
2435	Hardwood veneer and plywood	176.35	172.30	184.28	190.85	-	4.27	4.34	4.55	4.61	-
2436	Softwood veneer and plywood	282.63	284.60	293.97	301.26	-	6.65	6.76	7.17	7.19	-
244	Wooden containers	150.15	139.83	162.86	163.28	-	3.85	3.95	4.23	4.23	-
245	Wood buildings and mobile homes	182.57	175.64	206.36	201.85	-	4.83	4.92	5.36	5.50	-
2451	Mobile homes	185.65	176.49	201.25	196.16	-	4.86	4.93	5.31	5.51	-
249	Miscellaneous wood products	177.80	169.34	188.87	195.77	-	4.39	4.48	4.71	4.81	-
25	FURNITURE AND FIXTURES	182.66	170.17	189.60	195.37	187.18	4.51	4.55	4.80	4.86	4.90
251	Household furniture	170.91	155.98	176.73	183.20	-	4.22	4.25	4.52	4.58	-
2511	Wood household furniture	158.62	144.30	167.58	173.38	-	3.85	3.90	4.20	4.26	-
2512	Upholstered household furniture	184.86	164.32	187.98	197.69	-	4.61	4.59	4.87	4.93	-
2514	Metal household furniture	171.35	162.94	173.64	180.32	-	4.36	4.38	4.51	4.60	-
2515	Mattresses and bedspreads	190.81	185.11	192.02	193.16	-	4.88	4.91	5.08	5.11	-
252	Office furniture	213.27	202.18	212.05	221.08	-	5.09	5.08	5.21	5.34	-
253	Public building and related furniture	205.13	199.68	211.58	221.49	-	5.09	5.12	5.25	5.35	-
254	Partitions and fixtures	215.60	207.04	229.37	232.07	-	5.39	5.42	5.72	5.73	-
259	Miscellaneous furniture and fixtures	198.00	192.89	209.75	211.20	-	4.95	5.01	5.27	5.32	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
-	TOTAL PRIVATE	36.2	35.1	35.8	36.1	35.2	-	-	-	-	-
-	MINING	42.7	41.9	43.8	43.6	42.6	-	-	-	-	-
10	METAL MINING	41.4	41.1	41.6	41.8	-	-	-	-	-	-
101	Iron ores	40.0	42.0	41.9	42.3	-	-	-	-	-	-
102	Copper ores	39.2	39.1	41.7	42.6	-	-	-	-	-	-
11, 12	COAL MINING	33.5	35.3	42.2	41.8	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	33.1	35.1	42.2	41.8	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	44.9	44.2	44.9	45.1	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.8	42.1	41.5	41.4	-	-	-	-	-	-
138	Oil and gas field services	46.4	45.2	46.3	46.6	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.7	39.0	45.7	44.5	-	-	-	-	-	-
142	Crushed and broken stone	43.5	36.8	46.8	45.2	-	-	-	-	-	-
-	CONSTRUCTION	36.1	33.0	36.5	37.0	34.8	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	35.8	32.9	35.7	36.0	-	-	-	-	-	-
152	Residential building construction	36.0	33.4	35.7	35.9	-	-	-	-	-	-
153	Operative builders	35.1	32.7	34.5	34.7	-	-	-	-	-	-
154	Nonresidential building construction	35.8	32.3	35.8	36.3	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	38.0	33.8	38.7	40.1	-	-	-	-	-	-
161	Highway and street construction	38.7	32.6	38.7	41.2	-	-	-	-	-	-
162	Heavy construction, except highway	37.7	34.2	38.8	39.5	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	35.6	32.7	36.0	36.4	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	38.0	35.7	37.6	38.2	-	-	-	-	-	-
172	Painting, paper hanging, decorating	33.4	30.4	34.7	35.3	-	-	-	-	-	-
173	Electrical work	38.0	35.5	38.3	38.7	-	-	-	-	-	-
174	Masonry, stonework, and plastering	32.8	29.7	34.0	33.6	-	-	-	-	-	-
175	Carpentering and flooring	34.0	30.9	34.6	35.9	-	-	-	-	-	-
176	Roofing and sheet metal work	30.2	25.4	32.7	32.3	-	-	-	-	-	-
-	MANUFACTURING	41.1	39.2	40.9	41.4	40.0	3.7	3.3	3.8	3.9	3.5
24, 25, 32-39	DURABLE GOODS	42.0	39.8	41.6	42.3	40.6	4.0	3.4	4.1	4.3	3.8
20-23, 26-31	NONDURABLE GOODS	39.9	38.2	39.8	39.9	39.1	3.3	3.0	3.3	3.3	3.0
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	40.0	37.8	39.9	40.1	38.2	3.6	3.1	3.7	3.9	-
241	Logging camps and logging contractors	37.3	34.4	39.4	40.1	-	3.5	3.1	4.1	4.9	-
242	Sawmills and planing mills	41.2	38.9	40.6	40.8	-	4.5	3.9	4.6	4.6	-
2421	Sawmills and planing mills, general	41.3	39.1	40.7	40.9	-	4.6	4.1	4.8	4.8	-
2426	Hardwood dimension and flooring	41.2	38.2	40.7	41.2	-	4.2	3.3	3.6	3.9	-
243	Millwork, plywood, and structural members	40.4	39.1	39.9	40.4	-	3.5	3.0	3.3	3.6	-
2431	Millwork	40.2	38.6	39.1	39.4	-	2.8	2.2	2.4	2.6	-
2434	Wood kitchen cabinets	38.2	37.0	39.7	39.7	-	2.5	2.1	2.5	2.9	-
2435	Hardwood veneer and plywood	41.3	39.7	40.5	41.4	-	4.3	3.8	3.9	4.1	-
2436	Softwood veneer and plywood	42.5	42.1	41.0	41.9	-	5.0	5.0	5.0	5.2	-
244	Wooden containers	39.0	35.4	38.5	38.6	-	3.2	2.3	3.1	3.1	-
245	Wood buildings and mobile homes	37.8	35.7	38.5	36.7	-	2.1	1.6	2.3	2.1	-
2451	Mobile homes	38.2	35.8	37.9	35.6	-	2.2	1.7	1.8	1.6	-
249	Miscellaneous wood products	40.5	37.8	40.1	40.7	-	3.5	3.1	3.5	3.7	-
25	FURNITURE AND FIXTURES	40.5	37.4	39.5	40.2	38.2	3.1	2.3	2.7	2.9	-
251	Household furniture	40.5	36.7	39.1	40.0	-	3.1	2.2	2.6	2.8	-
2511	Wood household furniture	41.2	37.0	39.9	40.7	-	3.5	2.6	3.4	3.5	-
2512	Upholstered household furniture	40.1	35.8	38.6	40.1	-	2.8	1.6	1.9	2.5	-
2514	Metal household furniture	39.3	37.2	38.5	39.2	-	1.6	1.6	1.6	1.7	-
2515	Mattresses and bedsprings	39.1	37.7	37.8	37.8	-	3.4	2.6	2.1	2.2	-
252	Office furniture	41.9	39.8	40.7	41.4	-	3.8	2.8	2.8	3.1	-
253	Public building and related furniture	40.3	39.0	40.3	41.4	-	3.3	2.7	2.8	3.3	-
254	Partitions and fixtures	40.0	38.2	40.1	40.5	-	2.8	2.2	2.9	3.0	-
259	Miscellaneous furniture and fixtures	40.0	38.5	39.8	39.7	-	2.3	2.0	2.6	3.1	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
32	STONE, CLAY, AND GLASS PRODUCTS	\$249.00	\$236.16	\$274.91	\$276.83	\$265.98	\$6.00	\$6.04	\$6.53	\$6.56	\$6.60
321	Fiat glass	345.80	324.36	372.96	414.20	-	7.60	7.65	8.40	8.72	-
322	Glass and glassware, pressed or blown	252.10	249.48	273.51	280.17	-	6.24	6.30	6.77	6.85	-
3221	Glass containers	261.79	257.80	283.61	292.45	-	6.48	6.51	7.02	7.03	-
3229	Pressed and blown glass, nec	238.36	237.60	260.18	262.94	-	5.90	6.00	6.44	6.59	-
323	Products of purchased glass	248.21	254.61	279.91	274.53	-	6.01	6.21	6.54	6.49	-
324	Cement, hydraulic	342.32	343.61	404.32	378.11	-	8.17	8.24	9.21	8.96	-
325	Structural clay products	199.55	192.55	219.54	221.23	-	4.82	4.85	5.29	5.28	-
326	Pottery and related products	198.97	188.87	211.60	216.11	-	5.05	5.05	5.29	5.43	-
327	Concrete, gypsum, and plaster products	247.63	213.53	277.34	275.20	-	5.91	5.85	6.48	6.46	-
3271	Concrete block and brick	228.11	195.81	260.89	255.09	-	5.38	5.35	5.97	5.96	-
3272	Concrete products, nec	224.35	197.47	242.76	241.92	-	5.38	5.41	5.78	5.76	-
3273	Ready-mixed concrete	264.71	218.92	303.42	301.14	-	6.52	6.42	7.19	7.17	-
329	Misc. nonmetallic mineral products	254.40	245.59	278.64	285.58	-	6.00	5.99	6.45	6.55	-
3291	Abrasive products	248.40	238.40	261.65	269.10	-	6.00	5.99	6.32	6.50	-
3292	Asbestos products	276.95	265.02	294.81	306.70	-	6.28	6.28	6.61	6.61	-
33	PRIMARY METAL INDUSTRIES	325.14	323.05	359.54	363.80	354.38	7.76	7.86	8.52	8.56	8.56
331	Blast furnace and basic steel products	357.69	369.49	410.89	405.98	-	8.81	8.99	9.83	9.83	-
3312	Blast furnaces and steel mills	365.52	379.25	422.24	416.56	-	9.07	9.25	10.15	10.16	-
3317	Steel pipe and tubes	312.28	304.71	330.54	336.66	-	7.40	7.45	7.87	7.94	-
332	Iron and steel foundries	308.62	283.68	318.85	339.78	-	7.03	6.97	7.52	7.67	-
3321	Gray iron foundries	326.31	291.82	324.36	353.58	-	7.30	7.17	7.65	7.84	-
3322	Malleable iron foundries	308.45	300.11	335.37	354.03	-	7.14	7.41	8.14	8.33	-
3325	Steel foundries, nec	269.19	263.74	305.73	306.59	-	6.44	6.48	7.16	7.13	-
333	Primary nonferrous metals	339.04	344.84	374.78	375.06	-	8.15	8.23	8.86	8.93	-
3334	Primary aluminum	362.64	369.56	391.25	390.99	-	8.91	8.97	9.36	9.49	-
335	Nonferrous rolling and drawing	295.64	289.40	329.62	333.65	-	6.94	6.94	7.56	7.67	-
3351	Copper rolling and drawing	277.76	274.10	303.02	305.90	-	6.40	6.48	6.95	7.00	-
3353	Aluminum sheet, plate, and foil	363.10	354.38	401.65	402.32	-	8.29	8.28	9.17	9.27	-
3357	Nonferrous wire drawing and insulating	269.21	264.37	309.60	314.94	-	6.55	6.56	7.15	7.24	-
336	Nonferrous foundries	256.88	242.80	263.11	276.45	-	6.03	6.01	6.34	6.52	-
3361	Aluminum foundries	266.45	250.48	274.98	293.35	-	6.24	6.20	6.61	6.87	-
34	FABRICATED METAL PRODUCTS	257.04	243.79	270.76	279.36	267.15	6.12	6.11	6.54	6.62	6.58
341	Metal cans and shipping containers	320.68	316.76	356.56	360.34	-	7.51	7.56	8.37	8.38	-
3411	Metal cans	331.27	324.79	368.07	371.09	-	7.74	7.77	8.62	8.63	-
342	Cutlery, hand tools, and hardware	247.38	233.78	252.14	261.87	-	5.89	5.83	6.18	6.31	-
3423, 5	Hand and edge tools, and hand saws and blades	232.39	230.18	243.00	250.06	-	5.52	5.56	6.00	6.04	-
3429	Hardware, nec	262.48	242.78	260.30	272.66	-	6.22	6.10	6.38	6.57	-
343	Plumbing and heating, except electric	222.09	209.67	229.60	222.85	-	5.43	5.39	5.74	5.75	-
3432	Plumbing fittings and brass goods	208.55	206.46	225.84	220.97	-	5.24	5.24	5.59	5.58	-
3433	Heating equipment, except electric	220.37	198.36	224.53	229.71	-	5.31	5.22	5.67	5.70	-
344	Fabricated structural metal products	239.61	226.01	252.32	258.93	-	5.83	5.84	6.23	6.30	-
3441	Fabricated structural metal	248.05	227.46	272.00	271.51	-	6.05	5.97	6.57	6.59	-
3442	Metal doors, sash, and trim	189.72	178.60	197.79	202.58	-	4.65	4.70	5.02	5.09	-
3443	Fabricated plate work (boiler shops)	266.85	254.48	276.35	286.75	-	6.43	6.41	6.79	6.86	-
3444	Sheet metal work	244.22	232.32	252.10	259.53	-	6.03	6.05	6.35	6.44	-
3446	Architectural metal work	230.74	219.01	246.24	256.23	-	5.56	5.63	6.05	6.13	-
345	Screw machine products, bolts, etc.	251.87	240.45	269.19	271.92	-	5.79	5.78	6.16	6.18	-
3451	Screw machine products	232.09	225.89	247.66	247.53	-	5.41	5.43	5.80	5.77	-
3452	Bolts, nuts, rivets, and washers	271.83	255.62	291.44	296.96	-	6.15	6.13	6.52	6.57	-
346	Metal forgings and stampings	310.31	288.26	326.40	345.88	-	7.15	7.10	7.68	7.79	-
3462	Iron and steel forgings	350.47	328.75	357.70	376.20	-	8.02	7.96	8.28	8.36	-
3465	Automotive stampings	374.40	341.96	396.68	432.42	-	8.32	8.28	9.14	9.22	-
3469	Metal stampings, nec	227.27	215.67	238.88	240.70	-	5.45	5.46	5.77	5.80	-
347	Metal services, nec	203.53	197.50	213.15	217.30	-	4.94	5.00	5.25	5.30	-
3471	Plating and polishing	195.23	190.39	205.23	209.71	-	4.75	4.82	5.08	5.14	-
3479	Metal coating and allied services	224.93	214.88	233.86	236.97	-	5.42	5.44	5.69	5.71	-
348	Ordnance and accessories, nec	248.05	233.64	257.28	262.17	-	5.92	5.93	6.40	6.41	-
3483	Ammunition, exc. for small arms, nec	229.77	209.99	232.86	243.94	-	5.51	5.57	6.08	6.16	-
349	Misc. fabricated metal products	243.02	234.99	256.27	264.39	-	5.80	5.86	6.19	6.28	-
3494	Valves and pipe fittings	269.18	258.54	278.38	286.18	-	6.09	6.20	6.55	6.64	-
3496	Misc. fabricated wire products	210.83	200.60	223.16	231.01	-	5.18	5.17	5.51	5.58	-
35	MACHINERY, EXCEPT ELECTRICAL	281.22	267.73	297.50	309.44	296.94	6.54	6.53	7.00	7.13	7.07
351	Engines and turbines	338.34	323.82	351.48	367.63	-	7.76	7.71	8.27	8.51	-
3511	Turbines and turbine generator sets	294.89	270.84	317.75	325.40	-	7.21	7.09	7.62	7.86	-
3519	Internal combustion engines, nec	354.57	344.52	363.80	383.25	-	7.95	7.92	8.50	8.73	-
352	Farm and garden machinery	302.45	286.44	313.29	328.92	-	7.15	7.09	7.66	7.85	-
3523	Farm machinery and equipment	309.94	293.06	322.26	341.40	-	7.31	7.29	7.86	8.09	-
353	Construction and related machinery	298.78	286.12	317.58	330.27	-	7.03	7.03	7.49	7.61	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
32	STONE, CLAY, AND GLASS PRODUCTS	41.5	39.1	42.1	42.2	40.3	4.4	3.9	4.8	4.6	--
321	Flat glass	45.5	42.4	44.4	47.5	--	6.7	7.0	6.4	6.4	--
322	Glass and glassware, pressed or blown	40.4	39.6	40.4	40.9	--	4.1	4.2	4.1	4.1	--
3221	Glass containers	40.4	39.6	40.4	41.6	--	4.7	4.7	4.5	4.4	--
3229	Pressed and blown glass, nec	40.4	39.6	40.4	39.9	--	3.3	3.4	3.5	3.6	--
323	Products of purchased glass	41.3	41.0	42.8	42.3	--	3.7	4.3	5.3	4.7	--
324	Cement, hydraulic	41.9	41.7	43.9	42.2	--	4.0	4.3	4.1	4.1	--
325	Structural clay products	41.4	39.7	41.5	41.9	--	4.5	4.0	4.2	4.4	--
326	Pottery and related products	39.4	37.4	40.0	39.8	--	2.6	2.1	3.0	2.6	--
327	Concrete, gypsum, and plaster products	41.9	36.5	42.8	42.6	--	5.3	3.8	6.2	5.7	--
3271	Concrete block and brick	42.4	36.6	43.7	42.8	--	5.6	3.4	7.0	6.1	--
3272	Concrete products, nec	41.7	36.5	42.0	42.0	--	4.7	3.5	5.6	4.9	--
3273	Ready-mixed concrete	40.6	34.1	42.2	42.0	--	5.1	2.9	6.0	5.7	--
329	Misc. nonmetallic mineral products	42.4	41.0	43.2	43.6	--	4.3	4.1	4.6	4.6	--
3291	Abrasive products	41.4	39.8	41.4	41.4	--	3.8	3.4	3.9	3.8	--
3292	Asbestos products	44.1	42.2	44.6	46.4	--	4.7	4.9	4.7	4.9	--
33	PRIMARY METAL INDUSTRIES	41.9	41.1	42.2	42.5	41.4	4.1	4.1	4.3	4.5	--
331	Blast furnace and basic steel products	40.6	41.1	41.8	41.3	--	2.8	3.4	3.5	3.5	--
3312	Blast furnaces and steel mills	40.3	41.0	41.6	41.0	--	2.6	3.4	3.4	3.3	--
3317	Steel pipe and tubes	42.2	40.9	42.0	42.4	--	4.2	4.0	4.1	4.7	--
332	Iron and steel foundries	43.9	40.7	42.4	44.3	--	6.0	4.9	5.3	5.6	--
3321	Gray iron foundries	44.7	40.7	42.4	45.1	--	6.6	5.4	5.6	5.9	--
3322	Malleable iron foundries	43.2	40.5	41.2	42.5	--	4.9	4.1	5.1	6.0	--
3325	Steel foundries, nec	41.8	40.7	42.7	43.0	--	4.7	4.2	4.5	4.8	--
333	Primary nonferrous metals	41.6	41.9	42.3	42.0	--	3.7	3.8	3.7	3.5	--
3334	Primary aluminum	40.7	41.2	41.8	41.2	--	4.3	4.2	3.9	3.5	--
335	Nonferrous rolling and drawing	42.6	41.7	43.6	43.5	--	5.1	4.9	5.7	5.9	--
3351	Copper rolling and drawing	43.4	42.3	43.6	43.7	--	5.0	4.7	5.4	6.5	--
3353	Aluminum sheet, plate and foil	43.8	42.8	43.8	43.4	--	7.2	8.4	7.5	7.1	--
3357	Nonferrous wire drawing and insulating	41.1	40.3	43.3	43.5	--	4.0	3.5	5.3	5.3	--
336	Nonferrous foundries	42.6	40.4	41.5	42.4	--	4.4	4.0	3.8	4.4	--
3361	Aluminum foundries	42.7	40.4	41.6	42.7	--	4.4	4.1	4.2	5.1	--
34	FABRICATED METAL PRODUCTS	42.0	39.9	41.4	42.2	40.6	4.0	3.4	4.0	4.1	--
341	Metal cans and shipping containers	42.7	41.9	42.6	43.0	--	3.7	3.8	4.2	4.1	--
3411	Metal cans	42.8	41.8	42.7	43.0	--	3.4	3.6	4.0	3.6	--
342	Cutlery, hand tools, and hardware	42.0	40.1	40.8	41.5	--	3.8	2.9	3.4	3.8	--
3423, 5	Hand and edge tools, and hand saws and blades ..	42.1	41.4	40.5	41.4	--	4.1	3.5	3.2	3.6	--
3429	Hardware, nec	42.2	39.8	40.8	41.5	--	3.7	2.7	3.5	4.0	--
343	Plumbing and heating, except electric	40.9	38.9	40.0	39.8	--	3.4	2.6	3.0	2.9	--
3432	Plumbing fittings and brass goods	39.8	39.4	40.4	39.6	--	2.3	2.3	3.4	2.9	--
3433	Heating equipment, except electric	41.5	38.0	39.6	40.3	--	3.9	2.4	2.7	2.6	--
344	Fabricated structural metal products	41.1	38.7	40.5	41.1	--	3.5	2.8	3.3	3.4	--
3441	Fabricated structural metal	41.0	38.1	41.4	41.2	--	3.4	2.6	4.0	3.9	--
3442	Metal doors, sash, and trim	40.8	38.0	39.4	39.8	--	3.5	2.8	2.7	2.7	--
3443	Fabricated plate work (boiler shops)	41.5	39.7	40.7	41.8	--	3.8	3.3	3.2	3.7	--
3444	Sheet metal work	40.5	38.4	39.7	40.3	--	3.5	2.8	3.3	3.4	--
3446	Architectural metal work	41.5	38.9	40.7	41.8	--	2.5	2.0	2.4	2.8	--
345	Screw machine products, bolts, etc.	43.5	41.6	43.7	44.0	--	5.4	4.9	5.9	5.9	--
3451	Screw machine products	42.9	41.6	42.7	42.9	--	5.3	5.1	5.8	5.7	--
3452	Bolts, nuts, rivets, and washers	44.2	41.7	44.7	45.2	--	5.4	4.6	5.9	6.0	--
346	Metal forgings and stampings	43.4	40.6	42.5	44.4	--	5.0	4.5	5.2	5.0	--
3462	Iron and steel forgings	43.7	41.3	43.2	45.0	--	5.7	5.3	6.0	6.6	--
3465	Automotive stampings	45.0	41.3	43.4	46.9	--	5.8	5.4	6.2	5.3	--
3469	Metal stampings, nec	41.7	39.5	41.4	41.5	--	3.8	3.2	3.7	3.8	--
347	Metal services, nec	41.2	39.5	40.6	41.0	--	4.2	3.6	3.9	4.1	--
3471	Plating and polishing	41.1	39.5	40.4	40.8	--	4.2	3.5	3.7	3.9	--
3479	Metal coating and allied services	41.5	39.5	41.1	41.5	--	4.3	3.7	4.5	4.8	--
348	Ordnance and accessories, nec	41.9	39.4	40.2	40.9	--	3.3	2.6	2.8	3.3	--
3483	Ammunition, exc. for small arms, nec	41.7	37.7	38.3	39.6	--	2.9	2.2	1.4	2.1	--
349	Misc. fabricated metal products	41.9	40.1	41.4	42.1	--	3.7	3.3	3.6	4.1	--
3494	Valves and pipe fittings	44.2	41.7	42.5	43.1	--	4.8	4.2	4.1	4.6	--
3496	Misc. fabricated wire products	40.7	38.8	40.5	41.4	--	2.9	2.3	3.3	3.7	--
35	MACHINERY, EXCEPT ELECTRICAL	43.0	41.0	42.5	43.4	42.0	4.7	4.0	4.5	5.0	--
351	Engines and turbines	43.6	42.0	42.5	43.2	--	4.8	4.1	4.3	5.6	--
3511	Turbines and turbine generator sets	40.9	38.2	41.7	41.4	--	5.2	2.1	4.6	6.3	--
3519	Internal combustion engines, nec	44.6	43.5	42.8	43.9	--	4.7	4.8	4.2	5.4	--
352	Farm and garden machinery	42.3	40.4	40.9	41.9	--	3.5	3.6	4.3	4.5	--
3523	Farm machinery and equipment	42.4	40.2	41.0	42.2	--	3.5	3.6	4.4	4.6	--
353	Construction and related machinery	42.5	40.7	42.4	43.4	--	4.2	3.5	3.9	4.3	--

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$324.73	\$312.33	\$344.86	\$363.36	—	\$7.75	\$7.75	\$8.29	\$8.47	—
3532	Mining machinery	274.73	266.06	314.63	328.24	—	6.75	6.77	7.30	7.46	—
3533	Oil field machinery	290.70	278.85	307.50	312.30	—	6.46	6.44	6.91	6.94	—
3535	Conveyers and conveying equipment	253.73	236.41	263.11	275.84	—	5.97	5.94	6.22	6.40	—
3537	Industrial trucks and tractors	267.97	254.48	280.28	291.55	—	6.32	6.41	6.77	6.86	—
354	Metalworking machinery	305.10	294.25	324.12	336.25	—	6.75	6.78	7.30	7.39	—
3541	Machine tools, metal cutting types	321.08	306.05	340.80	354.96	—	6.98	6.94	7.49	7.65	—
3542	Machine tools, metal forming types	304.23	292.46	334.40	344.11	—	6.93	6.98	7.60	7.63	—
3544	Special dies, tools, jigs, and fixtures	334.54	327.15	355.81	370.83	—	7.21	7.27	7.82	7.89	—
3545	Machine tool accessories	271.39	259.76	281.39	291.89	—	6.14	6.17	6.59	6.71	—
3546	Power driven hand tools	232.52	215.86	238.71	250.58	—	5.42	5.41	5.78	5.91	—
355	Special industry machinery	266.79	250.71	278.46	287.00	—	6.19	6.16	6.63	6.69	—
3551	Food products machinery	275.18	260.50	295.96	306.40	—	6.49	6.48	7.03	7.06	—
3552	Textile machinery	216.06	205.25	224.26	237.97	—	5.12	5.17	5.43	5.56	—
3555	Printing trades machinery	284.27	271.97	280.90	287.73	—	6.52	6.46	6.72	6.77	—
356	General industrial machinery	275.80	261.55	293.16	303.60	—	6.52	6.49	6.98	7.11	—
3561	Pumps and pumping equipment	284.00	257.15	287.18	297.93	—	6.62	6.51	6.92	7.01	—
3562	Ball and roller bearings	274.49	261.87	298.07	307.30	—	6.52	6.45	7.08	7.18	—
3563	Air and gas compressors	292.03	276.97	310.61	315.56	—	6.76	6.69	7.19	7.46	—
3564	Blowers and fans	242.78	226.58	258.13	272.00	—	5.85	5.87	6.25	6.40	—
3566	Speed changers, drives, and gears	309.32	291.87	328.24	346.54	—	7.03	6.90	7.46	7.77	—
3568	Power transmission equipment, nec	268.98	251.14	289.07	300.07	—	6.27	6.31	6.85	6.93	—
357	Office and computing machines	227.81	218.14	242.38	248.67	—	5.45	5.44	5.73	5.81	—
3573	Electronic computing equipment	230.54	222.36	241.53	249.41	—	5.45	5.45	5.71	5.76	—
358	Refrigeration and service machinery	255.26	232.46	259.61	276.41	—	5.95	5.93	6.41	6.55	—
3585	Refrigeration and heating equipment	261.87	238.99	265.52	286.03	—	6.02	6.02	6.54	6.73	—
359	Misc. machinery, except electrical	266.02	254.61	289.63	304.54	—	6.23	6.21	6.72	6.89	—
3592	Carburetors, pistons, rings, valves	312.18	295.08	337.70	367.42	—	7.26	7.25	7.71	7.97	—
3599	Machinery, except electrical, nec	257.30	247.42	281.22	292.58	—	6.04	6.02	6.54	6.68	—
36	ELECTRIC AND ELECTRONIC EQUIPMENT	233.35	222.44	243.39	251.93	\$246.44	5.65	5.66	5.98	6.10	\$6.10
361	Electric distributing equipment	238.05	226.69	247.45	253.18	—	5.75	5.71	6.05	6.16	—
3612	Transformers	214.20	210.41	235.41	239.29	—	5.25	5.30	5.70	5.78	—
3613	Switchgear and switchboard apparatus	258.10	240.58	258.62	264.79	—	6.16	6.06	6.37	6.49	—
362	Electrical industrial apparatus	238.21	227.13	250.71	258.34	—	5.74	5.75	6.10	6.24	—
3621	Motors and generators	248.89	234.04	255.22	265.60	—	5.94	5.94	6.24	6.40	—
3622	Industrial controls	213.46	202.37	236.74	244.08	—	5.31	5.27	5.76	5.91	—
363	Household appliances	225.84	215.04	233.64	246.64	—	5.59	5.60	5.93	6.06	—
3632	Household refrigerators and freezers	249.99	238.79	243.05	267.86	—	5.91	5.94	6.43	6.47	—
3633	Household laundry equipment	271.88	248.54	269.35	299.71	—	6.68	6.61	6.96	7.31	—
3634	Electric housewares and fans	190.24	184.69	207.46	206.23	—	4.78	4.76	5.06	5.13	—
364	Electric lighting and wiring equipment	218.48	203.81	226.55	234.74	—	5.29	5.28	5.58	5.67	—
3641	Electric lamps	230.16	225.50	251.40	271.63	—	5.60	5.68	6.00	6.23	—
3643	Current-carrying wiring devices	204.26	192.76	209.90	211.53	—	4.91	4.88	5.17	5.21	—
3644	Noncurrent-carrying wiring devices	218.70	205.90	227.86	237.54	—	5.40	5.39	5.64	5.71	—
3645	Residential lighting fixtures	161.68	149.13	167.32	174.34	—	4.30	4.31	4.45	4.54	—
365	Radio and TV receiving equipment	210.48	194.77	214.03	220.74	—	5.21	5.18	5.46	5.66	—
3651	Radio and TV receiving sets	214.12	204.44	217.11	226.59	—	5.38	5.38	5.61	5.81	—
366	Communication equipment	269.22	259.77	284.28	292.45	—	6.41	6.43	6.85	6.93	—
3661	Telephone and telegraph apparatus	273.46	259.85	283.91	293.11	—	6.48	6.48	7.01	7.08	—
3662	Radio and TV communication equipment	265.85	259.43	285.10	291.64	—	6.36	6.39	6.74	6.83	—
367	Electronic components and accessories	190.88	187.07	205.22	210.43	—	4.69	4.76	5.03	5.12	—
3671-3	Electronic tubes	253.73	251.64	270.07	272.00	—	5.97	6.02	6.31	6.40	—
3674	Semiconductors and related devices	217.35	212.53	229.50	238.71	—	5.25	5.34	5.53	5.67	—
3679	Electronic components, nec	175.77	171.60	190.82	194.62	—	4.34	4.40	4.70	4.77	—
369	Misc. electrical equipment and supplies	292.58	271.32	293.87	312.99	—	6.82	6.80	7.15	7.33	—
3691	Storage batteries	305.06	294.20	306.71	314.50	—	6.84	6.89	7.32	7.40	—
3694	Engine electrical equipment	330.48	301.02	323.99	351.39	—	7.65	7.64	7.98	8.21	—
37	TRANSPORTATION EQUIPMENT	337.48	307.40	355.61	373.80	340.29	7.67	7.59	8.27	8.40	8.32
371	Motor vehicles and equipment	379.86	334.55	395.60	418.09	—	8.24	8.14	8.91	9.03	—
3711	Motor vehicles and car bodies	400.76	347.99	423.49	450.29	—	8.60	8.55	9.39	9.54	—
3713	Truck and bus bodies	272.30	255.96	280.55	284.97	—	6.53	6.58	6.91	6.90	—
3714	Motor vehicle parts and accessories	370.94	337.71	394.26	415.25	—	8.21	8.06	8.84	8.93	—
3715	Truck trailers	224.13	219.45	225.59	235.73	—	5.48	5.50	5.89	6.06	—
372	Aircraft and parts	309.60	301.07	335.91	346.62	—	7.20	7.22	7.83	7.95	—
3721	Aircraft	311.58	305.44	345.40	351.60	—	7.28	7.36	8.07	8.12	—
3724	Aircraft engines and engine parts	319.27	308.84	340.00	363.58	—	7.53	7.46	8.00	8.32	—
3728	Aircraft equipment, nec	293.05	282.01	306.68	315.24	—	6.63	6.62	7.05	7.10	—
373	Ship and boat building and repairing	245.78	235.99	266.17	282.29	—	6.27	6.31	6.79	6.97	—
3731	Shipbuilding and repairing	257.40	248.42	281.52	300.37	—	6.00	6.66	7.20	7.38	—
3732	Boat building and repairing	201.39	190.01	213.01	221.53	—	5.06	5.04	5.42	5.58	—
374	Railroad equipment	324.66	308.11	336.36	(*)	—	7.73	7.82	8.43	(*)	—

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
		MACHINERY, EXCEPT ELECTRICAL—Continued									
3531	Construction machinery	41.9	40.3	41.6	42.9	—	3.7	3.0	2.9	3.3	—
3532	Mining machinery	40.7	39.3	43.1	44.0	—	2.7	2.4	3.6	4.8	—
3533	Oil field machinery	45.0	43.3	44.5	45.0	—	5.9	4.8	5.6	6.0	—
3535	Conveyers and conveying equipment	42.5	39.8	42.3	43.1	—	4.5	3.4	4.0	5.2	—
3537	Industrial trucks and tractors	42.4	39.7	41.4	42.5	—	4.2	3.5	3.8	3.9	—
354	Metalworking machinery	45.2	43.4	44.4	45.5	—	6.6	5.9	6.3	6.8	—
3541	Machine tools, metal cutting types	46.0	44.1	45.5	46.4	—	7.0	6.0	7.3	7.7	—
3542	Machine tools, metal forming types	43.9	41.9	44.0	45.1	—	6.1	5.6	6.7	8.8	—
3544	Special dies, tools, jigs, and fixtures	46.4	45.0	45.5	47.0	—	7.8	7.4	7.2	7.6	—
3545	Machine tool accessories	44.2	42.1	42.7	43.5	—	5.3	4.4	5.2	5.9	—
3546	Power driven hand tools	42.9	39.9	41.3	42.4	—	4.7	3.8	3.7	4.3	—
355	Special industry machinery	43.1	40.7	42.0	42.9	—	4.8	3.5	4.2	4.8	—
3551	Food products machinery	42.4	40.2	42.1	43.4	—	3.8	2.9	3.8	4.5	—
3552	Textile machinery	42.2	39.7	41.3	42.8	—	3.6	2.7	3.0	4.0	—
3555	Printing trades machinery	43.6	42.1	41.8	42.5	—	5.8	4.3	4.5	5.2	—
356	General industrial machinery	42.3	40.3	42.0	42.7	—	4.6	3.8	4.5	5.1	—
3561	Pumps and pumping equipment	42.9	39.5	41.5	42.5	—	4.8	3.4	4.0	4.5	—
3562	Ball and roller bearings	42.1	40.6	42.1	42.8	—	4.6	4.2	5.2	5.8	—
3563	Air and gas compressors	43.2	41.4	43.2	42.3	—	5.8	4.7	4.5	4.2	—
3564	Blowers and fans	41.5	38.6	41.3	42.5	—	3.9	2.7	3.6	4.3	—
3566	Speed changers, drives, and gears	44.0	42.3	44.0	44.6	—	5.4	4.2	5.4	7.4	—
3568	Power transmission equipment, nec	42.9	39.8	42.2	43.3	—	5.1	3.8	4.8	5.6	—
357	Office and computing machines	41.8	40.1	42.3	42.8	—	3.7	2.8	3.3	3.6	—
3573	Electronic computing equipment	42.3	40.8	42.3	43.3	—	3.9	3.0	3.3	3.6	—
358	Refrigeration and service machinery	42.9	39.2	40.5	42.2	—	3.7	3.1	3.1	3.8	—
3585	Refrigeration and heating equipment	43.5	39.7	40.6	42.5	—	3.7	3.3	3.3	4.0	—
359	Misc. machinery, except electrical	42.7	41.0	43.1	44.2	—	4.9	4.7	5.2	5.5	—
3592	Carburetors, pistons, rings, valves	43.0	40.7	43.8	46.1	—	3.9	3.3	4.7	4.6	—
3599	Machinery, except electrical, nec	42.6	41.1	43.0	43.8	—	5.1	4.9	5.3	5.7	—
36	ELECTRIC AND ELECTRONIC EQUIPMENT	41.3	39.3	40.7	41.3	40.4	3.1	2.5	3.1	3.3	—
361	Electric distributing equipment	41.4	39.7	40.9	41.1	—	3.4	2.4	3.1	3.6	—
3612	Transformers	40.8	39.7	41.3	41.4	—	2.6	2.1	3.2	3.9	—
3613	Switchgear and switchboard apparatus	41.9	39.7	40.6	40.8	—	4.0	2.6	3.0	3.3	—
362	Electrical industrial apparatus	41.5	39.5	41.1	41.4	—	3.6	2.8	3.2	3.5	—
3621	Motors and generators	41.9	39.4	40.9	41.5	—	4.0	3.2	3.3	3.6	—
3622	Industrial controls	40.2	38.4	41.1	41.3	—	2.5	1.5	2.8	3.1	—
363	Household appliances	40.4	38.4	39.4	40.7	—	2.3	1.8	2.3	2.7	—
3632	Household refrigerators and freezers	42.3	40.2	37.8	41.4	—	1.5	1.2	1.4	1.8	—
3633	Household laundry equipment	40.7	37.6	38.7	41.0	—	2.7	1.6	1.5	3.0	—
3634	Electric housewares and fans	39.8	38.8	41.0	40.2	—	2.3	1.8	3.1	2.6	—
364	Electric lighting and wiring equipment	41.3	38.6	40.6	41.4	—	2.8	2.3	3.1	3.3	—
3641	Electric lamps	41.1	39.7	41.9	43.6	—	2.2	2.4	3.3	3.6	—
3643	Current-carrying wiring devices	41.6	39.5	40.6	40.6	—	3.3	2.4	2.9	3.1	—
3644	Noncurrent-carrying wiring devices	40.5	38.2	40.4	41.6	—	2.3	2.0	3.1	3.3	—
3645	Residential lighting fixtures	37.6	34.6	37.6	38.4	—	1.9	1.2	1.8	2.2	—
365	Radio and TV receiving equipment	40.4	37.6	39.2	39.0	—	2.4	1.8	2.1	2.0	—
3651	Radio and TV receiving sets	39.8	38.0	38.7	39.0	—	2.1	1.5	1.6	2.0	—
366	Communication equipment	42.0	40.4	41.5	42.2	—	3.3	2.6	3.3	3.6	—
3661	Telephone and telegraph apparatus	42.2	40.1	40.5	41.4	—	3.3	2.4	3.3	3.6	—
3662	Radio and TV communication equipment	41.8	40.6	42.3	42.7	—	3.3	2.8	3.3	3.6	—
367	Electronic components and accessories	40.7	39.3	40.8	41.1	—	2.9	2.4	3.0	3.2	—
3671-3	Electronic tubes	42.5	41.8	42.8	42.5	—	2.8	2.2	2.6	2.7	—
3674	Semiconductors and related devices	41.4	39.8	41.5	42.1	—	3.6	2.9	3.8	3.9	—
3679	Electronic components, nec	40.5	39.0	40.6	40.8	—	2.7	2.2	3.0	3.3	—
369	Misc. electrical equipment and supplies	42.9	39.9	41.1	42.7	—	4.3	4.1	3.9	4.0	—
3691	Storage batteries	44.6	42.7	41.9	42.5	—	5.4	5.0	5.1	4.9	—
3694	Engine electrical equipment	43.2	39.4	40.6	42.8	—	4.5	4.6	3.9	3.7	—
37	TRANSPORTATION EQUIPMENT	44.0	40.5	43.0	44.5	40.9	5.0	4.2	5.7	5.6	—
371	Motor vehicles and equipment	46.1	41.1	44.4	46.3	—	5.9	5.1	7.1	6.6	—
3711	Motor vehicles and car bodies	46.6	40.7	45.1	47.2	—	5.9	5.1	7.8	7.1	—
3713	Truck and bus bodies	41.7	38.9	40.6	41.3	—	3.0	3.3	3.4	4.3	—
3714	Motor vehicle parts and accessories	46.4	41.9	44.6	46.5	—	6.4	5.5	7.2	6.7	—
3715	Truck trailers	40.9	39.9	38.3	38.9	—	3.5	3.2	3.1	3.5	—
372	Aircraft and parts	43.0	41.7	42.9	43.6	—	4.6	3.8	4.7	5.4	—
3721	Aircraft	42.8	41.5	42.8	43.3	—	3.7	3.2	4.0	4.4	—
3724	Aircraft engines and engine parts	42.4	41.4	42.5	43.7	—	5.0	4.1	5.3	6.4	—
3728	Aircraft equipment, nec	44.2	42.6	43.5	44.4	—	5.9	5.0	5.9	6.5	—
373	Ship and boat building and repairing	39.2	37.4	39.2	40.5	—	3.0	2.2	2.6	3.1	—
3731	Ship building and repairing	39.0	37.3	39.1	40.7	—	3.1	2.2	2.7	3.2	—
3732	Boat building and repairing	39.8	37.7	39.3	39.7	—	2.4	2.3	2.4	2.8	—
374	Railroad equipment	42.0	39.4	39.9	(*)	—	4.4	3.5	3.6	(*)	—

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$ 315.25	\$308.91	\$345.74	\$353.02	—	\$ 7.56	\$ 7.59	\$ 7.84	\$ 7.88	—
3761	Guided missiles and space vehicles	323.75	314.74	345.56	356.09	—	7.82	7.81	8.15	8.13	—
379	Miscellaneous transportation equipment	213.88	203.29	225.50	234.67	—	5.47	5.45	5.68	5.78	—
3792	Travel trailers and campers	181.28	174.12	193.17	192.53	—	4.86	4.85	5.07	5.08	—
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	227.56	221.05	240.78	247.46	\$242.13	5.51	5.54	5.83	5.92	\$ 5.92
381	Measuring and controlling devices	252.59	243.69	263.93	275.88	—	5.82	5.83	6.31	6.27	—
382	Environmental controls	227.00	221.36	248.12	252.18	—	5.55	5.59	5.95	5.99	—
3822	Process control instruments	216.36	209.08	228.17	235.72	—	5.29	5.32	5.62	5.68	—
3823	Instruments to measure electricity	233.79	224.47	260.15	266.73	—	5.62	5.64	6.05	6.16	—
3825	Optical instruments and lenses	236.64	237.33	259.98	263.53	—	5.80	5.86	6.19	6.23	—
383	Medical instruments and supplies	261.22	241.78	282.06	293.39	—	5.87	5.84	6.31	6.42	—
384	Surgical and medical instruments	189.41	185.89	200.30	206.65	—	4.70	4.73	5.02	5.09	—
3841	Surgical appliances and supplies	184.26	186.68	192.56	200.31	—	4.44	4.52	4.79	4.85	—
3842	Ophthalmic goods	193.16	182.85	206.96	212.53	—	4.89	4.85	5.20	5.30	—
385	Photographic equipment and supplies	169.60	171.88	184.71	184.71	—	4.36	4.43	4.70	4.70	—
386	Watches, clocks, and watchcases	306.56	298.57	308.67	320.03	—	7.08	7.16	7.28	7.53	—
387	Watches, clocks, and watchcases	174.84	155.52	179.15	185.90	—	4.36	4.32	4.49	4.59	—
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	177.51	171.75	188.64	191.39	190.12	4.54	4.58	4.80	4.87	4.90
391	Jewelry, precious metal	191.70	177.19	198.09	196.21	—	4.71	4.70	4.94	4.98	—
3911	Musical instruments	193.66	179.35	192.94	192.84	—	4.77	4.77	4.86	4.97	—
393	Toys and sporting goods	175.85	159.59	188.47	189.20	—	4.31	4.29	4.70	4.73	—
394	Dolls, games, toys, and children's vehicles	158.50	154.34	168.58	172.16	—	4.16	4.24	4.39	4.46	—
3942, 4	Sporting and athletic goods, nec	144.08	143.85	161.28	161.08	—	3.98	4.11	4.20	4.25	—
3949	Pens, pencils, office and art supplies	167.38	161.57	176.33	180.64	—	4.27	4.32	4.58	4.62	—
395	Costume jewelry and notions	191.32	184.40	203.03	209.16	—	4.61	4.61	4.94	5.04	—
396	Miscellaneous manufactures	148.14	144.47	155.45	154.91	—	3.94	3.98	4.08	4.12	—
3961	Signs and advertising displays	137.27	129.87	140.59	139.29	—	3.70	3.70	3.81	3.88	—
399	Miscellaneous manufactures	198.35	193.93	216.66	219.49	—	5.06	5.09	5.43	5.46	—
3993	Signs and advertising displays	212.31	200.19	228.05	229.94	—	5.43	5.44	5.73	5.72	—
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	225.68	220.13	239.40	242.80	240.77	5.60	5.63	5.97	6.01	6.08
201	Meat packing plants	228.23	223.47	244.00	244.61	—	5.72	5.73	6.10	6.10	—
2011	Sausages and other prepared meats	285.02	283.82	309.94	307.71	—	6.77	6.79	7.31	7.32	—
2013	Poultry dressing plants	265.58	246.77	272.92	284.72	—	6.59	6.46	6.84	7.03	—
2016	Dairy products	132.11	127.08	146.49	147.77	—	3.59	3.60	3.97	3.93	—
202	Cheese, natural and processed	234.34	230.45	249.45	251.26	—	5.54	5.58	6.04	6.04	—
2022	Fluid milk	216.63	205.93	226.46	225.27	—	5.22	5.24	5.69	5.66	—
2026	Preserved fruits and vegetables	246.78	244.39	262.46	264.74	—	5.66	5.71	6.19	6.20	—
203	Canned specialties	184.02	181.76	196.09	200.72	—	4.83	4.86	5.08	5.16	—
2032	Canned fruits and vegetables	224.17	220.42	255.09	254.47	—	5.35	5.35	5.96	6.03	—
2033	Frozen fruits and vegetables	178.00	177.50	188.65	195.97	—	4.85	5.00	4.90	5.09	—
2037	Grain mill products	173.45	173.28	179.45	183.11	—	4.65	4.56	4.85	4.87	—
204	Flour and other grain mill products	270.50	259.68	285.56	293.68	—	6.12	6.11	6.49	6.57	—
2041	Prepared feeds, nec	295.22	284.80	340.34	328.98	—	6.39	6.40	7.15	7.09	—
2048	Bakery products	216.23	210.38	226.80	234.07	—	4.87	4.95	5.19	5.26	—
206	Bread, cake, and related products	228.49	220.80	242.97	242.81	—	5.77	5.75	6.23	6.21	—
2051	Cookies and crackers	227.34	219.08	240.86	239.71	—	5.77	5.75	6.24	6.21	—
2052	Sugar and confectionery products	234.67	227.73	250.29	251.29	—	5.78	5.78	6.18	6.22	—
206	Cane and beet sugar	208.82	205.90	227.60	226.86	—	5.26	5.39	5.69	5.70	—
2061-3	Confectionery products	256.80	241.72	272.41	268.14	—	6.00	6.23	6.58	6.54	—
2065	Fats and oils	174.55	180.21	193.83	194.50	—	4.63	4.78	4.97	5.00	—
207	Beverages	259.45	255.20	278.57	279.02	—	5.74	5.80	6.26	6.27	—
208	Malt beverages	274.03	261.22	286.94	291.72	—	6.70	6.63	7.12	7.15	—
2082	Bottled and canned soft drinks	390.28	367.59	408.92	418.18	—	8.87	8.69	9.69	9.68	—
2086	Misc. foods and kindred products	194.39	188.38	203.71	206.85	—	5.01	5.01	5.21	5.25	—
209	Cigarettes	188.57	182.66	199.40	206.19	—	4.86	4.95	5.22	5.26	—
TOBACCO MANUFACTURES											
21	Cigarettes	224.46	223.11	238.55	246.13	252.13	5.80	6.03	6.18	6.36	6.67
211	Cigarettes	277.11	270.72	288.79	297.14	—	6.98	7.05	7.56	7.58	—
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	169.32	163.88	180.67	183.23	182.16	4.14	4.17	4.45	4.48	4.52
221	Weaving mills, synthetics	176.73	175.39	194.84	198.98	—	4.30	4.32	4.65	4.66	—
222	Weaving and finishing mills, wool	182.23	177.42	198.34	198.61	—	4.31	4.37	4.70	4.74	—
223	Narrow fabric mills	177.57	170.68	187.01	190.19	—	4.31	4.31	4.55	4.55	—
224	Knitting mills	156.67	149.38	167.27	167.67	—	3.84	3.89	4.13	4.14	—
225	Knitting mills	147.44	140.48	157.03	157.82	—	3.80	3.87	4.10	4.11	—

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	41.7	40.7	44.1	44.8	-	3.3	3.4	5.6	5.8	-
3761	Guided missiles and space vehicles	41.4	40.3	42.4	43.8	-	3.0	3.1	4.4	5.0	-
379	Miscellaneous transportation equipment	39.1	37.3	39.7	40.6	-	2.3	1.8	2.2	1.9	-
3792	Travel trailers and campers	37.3	35.9	38.1	37.9	-	2.1	1.7	1.9	1.3	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	41.3	39.9	41.3	41.8	40.9	2.8	2.3	2.8	3.1	-
381	Measuring and controlling devices	43.4	41.8	42.5	44.0	-	3.6	2.8	3.5	4.1	-
382	Environmental controls	40.9	39.6	41.7	42.1	-	2.7	2.4	2.6	2.9	-
3822	Process control instruments	40.9	39.3	40.6	41.5	-	2.5	2.3	2.0	2.5	-
3823	Instruments to measure electricity	41.6	39.8	43.0	43.3	-	3.3	2.4	3.7	4.4	-
3825	Optical instruments and lenses	40.8	40.5	42.0	42.3	-	2.4	2.5	2.1	2.3	-
383	Medical instruments and supplies	44.5	41.4	44.7	45.7	-	4.3	2.8	4.0	4.5	-
384	Surgical and medical instruments	40.3	39.3	39.9	40.6	-	2.1	2.0	2.6	2.9	-
3841	Surgical appliances and supplies	41.5	41.3	40.2	41.3	-	2.0	2.3	3.3	3.8	-
3842	Ophthalmic goods	39.5	37.7	39.8	40.1	-	2.4	1.9	2.2	2.3	-
385	Photographic equipment and supplies	38.9	38.8	39.3	39.3	-	1.5	1.4	1.9	1.9	-
386	Watches, clocks, and watchcases	43.3	41.7	42.4	42.5	-	3.7	3.0	4.5	3.6	-
387	Watches, clocks, and watchcases	40.1	36.0	39.9	40.5	-	2.3	1.3	2.1	2.3	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	39.1	37.5	39.3	39.3	38.8	2.5	1.9	2.6	2.4	-
391	Jewelry, precious metal	40.7	37.7	40.1	39.4	-	4.0	2.2	3.8	3.0	-
3911	Musical instruments	40.6	37.6	39.7	38.8	-	4.6	2.5	4.0	3.2	-
393	Toys and sporting goods	40.8	37.2	40.1	40.0	-	2.3	1.4	2.1	1.9	-
394	Dolls, games, toys, and children's vehicles	38.1	36.4	38.4	38.6	-	1.8	1.3	1.8	1.9	-
3942, 4	Sporting and athletic goods, nec	36.2	35.0	38.4	37.9	-	1.3	1.1	2.0	1.6	-
3949	Pens, pencils, office and art supplies	39.2	37.4	38.5	39.1	-	2.1	1.4	1.7	2.2	-
395	Costume jewelry and notions	41.5	40.0	41.1	41.5	-	3.3	2.3	3.1	3.0	-
396	Costume jewelry	37.6	36.3	38.1	37.6	-	2.5	2.2	2.7	2.3	-
3961	Miscellaneous manufactures	37.1	35.1	36.9	35.9	-	2.6	1.9	2.4	2.0	-
399	Signs and advertising displays	39.2	38.1	39.9	40.2	-	2.3	2.1	2.6	2.6	-
3983	Signs and advertising displays	39.1	36.8	39.8	40.2	-	2.6	1.9	2.7	2.7	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	40.3	39.1	40.1	40.4	39.6	4.1	3.8	4.0	4.0	-
201	Meat packing plants	39.9	39.0	40.0	40.1	-	4.2	3.9	4.0	4.2	-
2011	Sausages and other prepared meats	42.1	41.8	42.4	41.9	-	5.1	4.8	4.8	5.0	-
2013	Poultry dressing plants	40.3	38.2	39.9	40.5	-	4.0	3.1	3.4	4.3	-
2016	Dairy products	36.8	35.3	36.9	37.6	-	3.0	3.0	3.2	3.2	-
202	Cheese, natural and processed	42.3	41.3	41.3	41.6	-	4.2	3.9	3.9	3.8	-
2022	Fluid milk	41.5	39.3	39.8	39.8	-	4.4	3.5	3.3	3.1	-
2026	Preserved fruits and vegetables	43.6	42.8	42.4	42.7	-	4.5	4.4	4.3	4.3	-
203	Canned specialties	38.1	37.4	38.6	38.9	-	3.0	3.0	3.4	3.0	-
2032	Canned fruits and vegetables	41.9	41.2	42.8	42.2	-	4.8	5.0	7.2	6.0	-
2033	Frozen fruits and vegetables	36.7	35.5	38.5	38.5	-	2.6	2.3	3.5	2.9	-
2037	Grain mill products	37.3	38.0	37.0	37.6	-	2.8	2.9	2.5	2.6	-
204	Flour and other grain mill products	44.2	42.5	44.0	44.7	-	6.3	6.3	6.2	6.6	-
2041	Prepared feeds, nec	46.2	44.5	47.6	46.4	-	6.7	6.3	8.2	7.6	-
2048	Bakery products	44.4	42.5	43.7	44.5	-	6.8	6.6	6.0	6.8	-
205	Bread, cake, and related products	39.6	38.4	39.0	39.1	-	3.6	2.9	3.5	3.3	-
2051	Cookies and crackers	39.4	38.1	38.6	38.6	-	3.8	3.2	3.9	3.7	-
2052	Sugar and confectionery products	40.6	39.4	40.5	40.4	-	2.8	2.0	2.4	2.2	-
206	Cane and beet sugar	39.7	38.2	40.0	39.8	-	3.7	3.4	3.5	3.6	-
2061-3	Confectionery products	42.8	38.8	41.4	41.0	-	6.1	4.7	4.7	5.0	-
2065	Fats and oils	37.7	37.7	39.0	38.9	-	2.3	2.8	2.9	3.1	-
207	Beverages	45.2	44.0	44.5	44.5	-	6.6	6.2	6.2	6.2	-
208	Malt beverages	40.9	39.4	40.3	40.8	-	4.0	3.6	3.8	3.8	-
2082	Bottled and canned soft drinks	44.0	42.3	42.2	43.2	-	5.1	4.6	5.5	5.7	-
2086	Misc. foods and kindred products	38.8	37.6	39.1	39.4	-	3.5	2.9	2.8	3.2	-
209	Misc. foods and kindred products	38.8	36.9	38.2	39.2	-	3.6	3.2	3.6	3.6	-
TOBACCO MANUFACTURES											
21	Cigarettes	38.7	37.0	38.6	38.7	37.8	2.7	2.1	2.1	2.0	-
211	Cigarettes	39.7	38.4	38.2	39.2	-	3.0	2.4	2.2	2.3	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	40.9	39.3	40.6	40.9	40.3	3.6	3.4	3.8	3.9	-
221	Weaving mills, synthetics	41.1	40.6	41.9	42.7	-	4.1	4.2	4.7	4.9	-
222	Weaving and finishing mills, wool	41.7	40.6	42.2	41.9	-	3.6	3.4	4.5	4.4	-
223	Narrow fabric mills	41.2	39.6	41.1	41.8	-	3.9	3.3	3.6	4.0	-
224	Knitting mills	40.8	38.4	40.5	40.5	-	3.6	2.8	3.0	2.9	-
225	Knitting mills	38.8	36.3	38.3	38.4	-	2.6	2.2	2.7	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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$139.91	\$131.77	\$154.42	\$158.76	-	\$3.56	\$3.62	\$3.88	\$3.92	-
2252	Hosiery, nec	134.17	124.51	140.82	142.80	-	3.54	3.63	3.89	3.87	-
2253	Knit outerwear mills	141.75	134.37	147.86	148.15	-	3.74	3.85	4.04	4.07	-
2254	Knit underwear mills	137.92	129.17	144.02	146.69	-	3.62	3.68	3.79	3.85	-
2257	Circular knit fabric mills	170.10	166.57	183.06	180.45	-	4.20	4.26	4.52	4.50	-
226	Textile finishing, except wool	189.16	178.49	196.05	200.70	-	4.43	4.44	4.77	4.79	-
2261	Finishing plants, cotton	194.79	181.40	200.86	208.31	-	4.53	4.49	4.84	4.89	-
2262	Finishing plants, synthetics	194.54	189.31	203.27	210.58	-	4.61	4.64	4.97	4.99	-
227	Floor covering mills	183.18	170.28	193.28	197.66	-	4.30	4.30	4.58	4.64	-
228	Yarn and thread mills	158.26	156.38	168.87	169.70	-	3.86	3.89	4.18	4.19	-
2281	Yarn mills, except wool	162.09	161.02	169.30	171.37	-	3.85	3.88	4.17	4.19	-
2282	Throwing and winding mills	142.86	142.88	163.21	162.41	-	3.73	3.77	4.06	4.04	-
229	Miscellaneous textile goods	188.58	185.54	200.64	205.92	-	4.49	4.57	4.87	4.95	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	135.74	127.44	145.44	146.11	\$143.10	3.76	3.85	4.04	4.07	\$4.16
231	Men's and boys' suits and coats	164.16	149.90	180.18	182.16	-	4.51	4.57	4.95	4.95	-
232	Men's and boys' furnishings	123.08	116.06	131.40	132.13	-	3.40	3.56	3.65	3.66	-
2321	Men's and boys' shirts and nightwear	119.68	114.87	131.38	129.95	-	3.27	3.46	3.57	3.57	-
2327	Men's and boys' separate trousers	122.85	117.12	132.38	133.84	-	3.51	3.66	3.75	3.77	-
2328	Men's and boys' work clothing	121.51	113.10	131.02	132.47	-	3.32	3.48	3.57	3.59	-
233	Women's and misses' outerwear	125.74	122.50	136.00	134.46	-	3.72	3.84	4.00	3.99	-
2331	Women's and misses' blouses and waists	120.01	119.39	130.15	130.88	-	3.54	3.64	3.74	3.75	-
2335	Women's and misses' dresses	124.64	120.12	135.05	130.92	-	3.80	3.90	4.13	4.13	-
2337	Women's and misses' suits and coats	133.17	130.29	140.71	141.28	-	4.06	4.11	4.29	4.23	-
2339	Women's and misses' outerwear, nec	126.02	123.05	137.42	137.03	-	3.58	3.74	3.86	3.86	-
234	Women's and children's undergarments	121.61	116.88	132.13	128.85	-	3.35	3.51	3.64	3.65	-
2341	Women's and children's underwear	118.74	114.51	128.52	126.02	-	3.28	3.47	3.57	3.58	-
2342	Brassieres and allied garments	131.40	126.25	146.23	139.94	-	3.60	3.67	3.91	3.92	-
236	Children's outerwear	125.15	116.57	131.41	129.22	-	3.41	3.49	3.62	3.64	-
2361	Children's dresses and blouses	120.55	119.02	130.30	127.45	-	3.33	3.46	3.56	3.57	-
238	Misc. apparel and accessories	133.56	126.96	143.95	145.84	-	3.60	3.68	3.88	3.91	-
239	Misc. fabricated textile products	181.35	160.00	185.65	192.55	-	4.50	4.42	4.70	4.85	-
2391	Curtains and draperies	124.41	114.92	134.82	136.58	-	3.30	3.37	3.52	3.52	-
2392	House furnishing, nec	146.92	136.13	161.20	158.76	-	3.71	3.75	4.03	4.05	-
2396	Automotive and apparel trimmings	341.42	272.88	314.99	351.11	-	7.39	7.20	7.59	7.89	-
26	PAPER AND ALLIED PRODUCTS	272.06	264.59	292.28	294.69	290.53	6.24	6.27	6.75	6.79	6.82
261, 2, 6	Paper and pulp mills	322.08	314.26	351.85	355.41	-	7.11	7.11	7.75	7.76	-
262	Paper mills, except building paper	323.05	315.06	354.18	358.20	-	7.10	7.08	7.75	7.77	-
263	Paperboard mills	336.26	328.70	364.14	354.27	-	7.31	7.37	8.11	8.07	-
264	Misc. converted paper products	234.92	228.58	248.59	254.14	-	5.58	5.63	5.99	6.08	-
2641	Paper coating and glazing	284.21	274.34	299.15	308.14	-	6.43	6.44	6.83	6.94	-
2642	Envelopes	212.16	208.03	231.69	237.59	-	5.20	5.24	5.61	5.63	-
2643	Bags, except textile bags	231.12	218.15	237.72	242.25	-	5.40	5.36	5.66	5.70	-
265	Paperboard containers and boxes	237.28	229.75	257.98	261.94	-	5.57	5.59	6.07	6.12	-
2651	Folding paperboard boxes	251.41	237.80	270.24	281.50	-	5.74	5.73	6.27	6.34	-
2653	Corrugated and solid fiber boxes	251.12	243.53	273.91	275.85	-	5.84	5.84	6.37	6.43	-
2654	Sanitary food containers	222.79	214.40	234.17	236.70	-	5.33	5.32	5.67	5.69	-
27	PRINTING AND PUBLISHING	239.51	232.94	252.98	254.79	250.05	6.27	6.33	6.64	6.67	6.74
271	Newspapers	234.20	226.46	246.40	244.99	-	6.73	6.76	7.02	7.04	-
272	Periodicals	219.82	224.58	233.36	237.23	-	5.80	5.91	6.03	6.13	-
273	Books	225.48	215.90	230.88	237.55	-	5.54	5.55	5.92	5.88	-
2731	Book publishing	216.68	207.34	223.44	222.80	-	5.39	5.33	5.70	5.57	-
2732	Book printing	233.60	224.45	238.23	251.12	-	5.67	5.77	6.14	6.17	-
274	Miscellaneous publishing	205.42	200.91	213.22	222.37	-	5.42	5.55	5.89	6.01	-
276	Commercial printing	253.09	245.70	268.23	270.87	-	6.44	6.50	6.86	6.91	-
2761	Commercial printing, letterpress	239.34	232.41	247.81	251.42	-	6.09	6.15	6.42	6.48	-
2762	Commercial printing, lithographic	261.86	253.42	279.35	283.61	-	6.68	6.74	7.09	7.18	-
278	Manifold business forms	254.66	240.59	262.29	274.99	-	5.95	5.97	6.26	6.41	-
278	Blankbooks and bookbinding	189.44	185.82	199.98	203.15	-	4.87	4.89	5.05	5.13	-
279	Printing trade services	310.01	306.56	333.59	336.77	-	7.99	8.11	8.62	8.77	-
28	CHEMICALS AND ALLIED PRODUCTS	283.58	280.01	305.41	308.25	305.66	6.72	6.78	7.22	7.27	7.33
281	Industrial inorganic chemicals	309.64	304.20	340.20	337.88	-	7.32	7.33	7.93	7.95	-
2819	Industrial inorganic chemicals, nec	307.33	298.48	333.06	335.96	-	7.30	7.28	7.93	7.98	-
282	Plastics materials and synthetics	279.03	277.97	303.30	302.74	-	6.55	6.65	7.07	7.09	-
2821	Plastics materials and resins	310.87	304.73	342.66	343.10	-	7.13	7.17	7.77	7.78	-
2824	Organic fibers, noncellulosic	255.97	258.96	274.03	278.94	-	6.08	6.24	6.54	6.61	-
283	Drugs	261.24	256.66	271.00	278.70	-	6.22	6.26	6.53	6.62	-
2834	Pharmaceutical preparations	251.93	245.20	262.17	270.63	-	6.10	6.13	6.41	6.49	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	39.3	36.4	39.8	40.5	-	2.7	2.1	3.1	3.7	-
2252	Hosiery, nec	37.9	34.3	36.2	36.9	-	1.7	1.5	2.1	1.8	-
2253	Knit outerwear mills	37.4	34.9	36.6	36.4	-	2.2	1.7	1.9	1.7	-
2254	Knit underwear mills	38.1	35.1	38.0	38.1	-	2.2	1.6	2.1	2.1	-
2257	Circular knit fabric mills	40.5	39.1	40.5	40.1	-	3.5	3.1	4.2	4.0	-
226	Textile finishing, except wool	42.7	40.2	41.1	41.9	-	4.6	4.0	4.1	4.8	-
2261	Finishing plants, cotton	43.0	40.4	41.5	42.6	-	5.1	4.6	4.1	5.4	-
2262	Finishing plants, synthetics	42.2	40.8	40.9	42.2	-	4.4	3.7	4.8	5.0	-
227	Floor covering mills	42.6	39.6	42.2	42.6	-	5.0	3.8	4.6	5.1	-
228	Yarn and thread mills	41.0	40.2	40.4	40.5	-	3.7	3.7	3.5	3.4	-
2281	Yarn mills, except wool	42.1	41.5	40.6	40.9	-	4.2	4.2	3.7	3.7	-
2282	Throwing and winding mills	38.3	37.9	40.2	40.2	-	2.8	2.8	3.5	3.2	-
229	Miscellaneous textile goods	42.0	40.6	41.2	41.6	-	3.8	3.9	3.8	4.1	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.1	33.1	36.0	35.9	34.4	1.3	1.0	1.4	1.2	-
231	Men's and boys' suits and coats	36.4	32.8	36.4	36.8	-	.9	.7	.9	.9	-
232	Men's and boys' furnishings	36.2	32.6	36.0	36.1	-	1.0	.7	1.0	.9	-
2321	Men's and boys' shirts and nightwear	36.6	33.2	36.8	36.4	-	1.0	.7	1.1	1.0	-
2327	Men's and boys' separate trousers	35.0	32.0	35.3	35.5	-	1.0	.7	.7	.6	-
2328	Men's and boys' work clothing	36.6	32.5	36.7	36.9	-	.8	.6	1.1	1.2	-
233	Women's and misses' outerwear	33.8	31.9	34.0	33.7	-	1.2	1.1	1.2	1.0	-
2331	Women's and misses' blouses and waists	33.9	32.8	34.8	34.9	-	1.0	.8	1.1	1.0	-
2336	Women's and misses' dresses	32.8	30.8	32.7	31.7	-	1.2	1.2	1.2	.9	-
2337	Women's and misses' suits and coats	32.8	31.7	32.8	33.4	-	1.3	1.1	.7	.7	-
2339	Women's and misses' outerwear, nec	35.2	32.9	35.6	35.5	-	1.1	1.0	1.5	1.3	-
234	Women's and children's undergarments	36.3	33.3	36.3	35.3	-	1.0	.8	1.2	.9	-
2341	Women's and children's underwear	36.2	33.0	36.0	35.2	-	1.0	.7	1.2	.9	-
2342	Brassieres and allied garments	36.5	34.4	37.4	35.7	-	1.1	.9	1.0	.8	-
236	Children's outerwear	36.7	33.4	36.3	35.5	-	1.4	.9	1.4	1.0	-
2361	Children's dresses and blouses	36.2	34.4	36.6	35.7	-	1.9	1.7	1.7	1.1	-
238	Misc. apparel and accessories	37.1	34.5	37.1	37.3	-	1.4	.7	1.7	1.5	-
239	Misc. fabricated textile products	40.3	36.2	39.5	39.7	-	2.6	1.9	2.8	2.2	-
2391	Curtains and draperies	37.7	34.1	38.3	38.8	-	1.3	.6	2.2	1.8	-
2392	House furnishings, nec	39.6	36.3	40.0	39.2	-	2.5	1.4	2.7	2.2	-
2396	Automotive and apparel trimmings	46.2	37.9	41.5	44.5	-	4.3	3.4	4.6	3.6	-
26	PAPER AND ALLIED PRODUCTS	43.6	42.2	43.3	43.4	42.6	5.2	4.9	5.3	5.3	-
261, 2, 6	Paper and pulp mills	45.3	44.2	45.4	45.8	-	6.6	6.5	7.0	7.2	-
262	Paper mills, except building paper	45.5	44.5	45.7	46.1	-	6.6	6.6	7.1	7.4	-
263	Paperboard mills	46.0	44.6	44.9	43.9	-	7.6	7.5	7.5	7.2	-
264	Misc. converted paper products	42.1	40.6	41.5	41.8	-	4.0	3.7	4.1	4.0	-
2641	Paper coating and glazing	44.2	42.6	43.8	44.4	-	5.8	5.4	5.7	5.8	-
2642	Envelopes	40.8	39.7	41.3	42.2	-	3.0	2.8	3.6	3.8	-
2643	Bags, except textile bags	42.8	40.7	42.0	42.5	-	4.6	3.6	4.1	4.1	-
265	Paperboard containers and boxes	42.6	41.1	42.5	42.8	-	4.0	3.7	4.3	4.2	-
2651	Folding paperboard boxes	43.8	41.5	43.1	44.4	-	4.5	3.9	4.6	4.9	-
2653	Corrugated and solid fiber boxes	43.0	41.7	43.0	42.9	-	4.5	4.2	4.8	4.6	-
2654	Sanitary food containers	41.8	40.3	41.3	41.6	-	3.0	3.0	3.3	3.2	-
27	PRINTING AND PUBLISHING	38.2	36.8	38.1	38.2	37.1	3.2	2.6	3.2	3.3	-
271	Newspapers	34.8	33.5	35.1	34.8	-	2.1	1.4	2.6	2.5	-
272	Periodicals	37.9	38.0	38.7	38.7	-	3.4	3.8	3.1	3.1	-
273	Books	40.7	38.9	39.0	40.4	-	4.2	3.6	3.6	3.8	-
2731	Book publishing	40.2	38.9	39.2	40.0	-	3.3	3.0	2.1	2.3	-
2732	Book printing	41.2	38.9	38.8	40.7	-	5.0	4.2	5.1	5.3	-
274	Miscellaneous publishing	37.9	36.2	36.2	37.0	-	2.1	1.9	2.4	2.4	-
275	Commercial printing	39.3	37.8	39.1	39.2	-	3.8	3.0	3.6	3.7	-
2751	Commercial printing, letterpress	39.3	37.8	38.6	38.8	-	3.3	2.7	2.9	3.2	-
2752	Commercial printing, lithographic	39.2	37.6	39.4	39.5	-	4.1	3.1	4.0	4.1	-
276	Manifold business forms	42.8	40.3	41.9	42.9	-	4.9	3.5	4.0	5.0	-
278	Blankbooks and bookbinding	38.9	38.0	39.6	39.6	-	2.3	2.4	2.5	2.4	-
279	Printing trade service	38.8	37.8	38.7	38.4	-	3.2	2.9	3.5	3.5	-
28	CHEMICALS AND ALLIED PRODUCTS	42.2	41.3	42.3	42.4	41.7	3.4	3.4	3.6	3.5	-
281	Industrial inorganic chemicals	42.3	41.5	42.9	42.5	-	3.7	3.8	4.0	3.8	-
2819	Industrial inorganic chemicals, nec	42.1	41.0	42.0	42.1	-	3.3	3.2	3.2	3.2	-
282	Plastics materials and synthetics	42.6	41.8	42.9	42.7	-	3.2	3.2	3.6	3.3	-
2821	Plastics materials and resins	43.6	42.5	44.1	44.1	-	4.4	4.2	5.0	4.6	-
2824	Organic fibers, noncellulosic	42.1	41.5	41.9	42.2	-	2.4	2.5	2.2	2.3	-
283	Drugs	42.0	41.0	41.5	42.1	-	3.0	2.9	3.0	3.1	-
2834	Pharmaceutical preparations	41.3	40.0	40.9	41.7	-	2.9	2.6	2.9	3.1	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$261.58	\$257.75	\$276.08	\$286.06	-	\$6.38	\$6.46	\$6.80	\$6.96	-
2841	Soap and other detergents	353.22	352.99	375.84	391.03	-	8.12	8.19	8.70	9.01	-
2842, 3	Polishing, sanitation, and finishing preparations	229.80	230.98	244.42	250.48	-	5.66	5.76	6.08	6.20	-
2844	Toilet preparations	210.79	199.18	219.22	226.29	-	5.35	5.34	5.65	5.70	-
285	Paints and allied products	252.34	249.08	267.21	270.40	-	6.11	6.15	6.47	6.50	-
286	Industrial organic chemicals	334.19	331.33	367.18	368.06	-	7.79	7.87	8.48	8.52	-
2865	Cyclic crudes and intermediates	315.92	303.78	329.30	349.80	-	7.33	7.25	7.73	8.06	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	340.26	340.98	381.06	375.41	-	7.95	8.08	8.74	8.69	-
287	Agricultural chemicals	272.84	273.06	301.04	301.04	-	6.45	6.44	7.05	7.05	-
289	Miscellaneous chemical products	266.07	259.53	284.01	287.90	-	6.29	6.33	6.73	6.79	-
29	PETROLEUM AND COAL PRODUCTS	348.00	357.43	389.38	388.51	\$384.07	8.00	8.41	8.75	8.87	\$8.87
291	Petroleum refining	371.95	388.51	417.25	410.92	-	8.61	9.12	9.44	9.49	-
295	Paving and roofing materials	277.86	252.36	318.30	332.72	-	6.08	5.91	6.86	7.14	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	218.48	212.53	235.57	242.34	239.13	5.29	5.34	5.69	5.77	5.79
301	Tires and inner tubes	314.08	310.99	370.05	384.66	-	7.39	7.44	8.26	8.29	-
302	Rubber and plastics footwear	142.72	141.38	150.54	157.61	-	3.65	3.75	3.88	3.98	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	223.31	224.52	245.95	248.64	-	5.46	5.53	5.87	5.92	-
306	Fabricated rubber products, nec	209.99	200.94	221.94	229.06	-	5.06	5.10	5.40	5.48	-
307	Miscellaneous plastics products	199.26	192.67	210.94	215.36	-	4.86	4.89	5.17	5.24	-
31	LEATHER AND LEATHER PRODUCTS	138.01	136.04	147.26	148.80	153.09	3.69	3.80	3.98	4.00	4.16
311	Leather tanning and finishing	200.29	195.11	205.15	206.72	-	4.97	4.99	5.22	5.26	-
314	Footwear, except rubber	132.79	131.01	139.78	141.68	-	3.56	3.68	3.84	3.85	-
3143	Men's footwear, except athletic	142.43	139.07	147.73	151.60	-	3.69	3.81	3.95	4.00	-
3144	Women's footwear, except athletic	123.84	123.53	133.46	135.00	-	3.44	3.56	3.77	3.75	-
316	Luggage	127.97	140.62	162.11	152.44	-	3.72	3.95	4.30	4.27	-
317	Handbags and personal leather goods	130.50	127.07	145.16	145.92	-	3.48	3.61	3.80	3.82	-
-	TRANSPORTATION AND PUBLIC UTILITIES	293.06	289.20	308.80	313.50	308.87	7.29	7.34	7.72	7.76	7.78
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	330.81	327.05	354.53	(*)	-	7.64	7.75	8.15	(*)	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	180.58	180.77	196.18	193.11	-	5.28	5.38	5.67	5.63	-
411	Local and suburban transportation	272.90	269.84	287.43	283.18	-	6.64	6.63	6.86	6.89	-
413	Intercity highway transportation	263.77	283.56	312.58	287.45	-	7.43	7.79	8.14	8.12	-
42	TRUCKING AND WAREHOUSING	304.79	285.48	318.39	330.42	-	7.38	7.32	7.94	8.02	-
421, 3	Trucking and trucking terminals	311.74	291.69	324.81	337.83	-	7.53	7.46	8.10	8.18	-
422	Public warehousing	211.60	200.64	223.34	221.76	-	5.29	5.28	5.64	5.60	-
46	PIPE LINES, EXCEPT NATURAL GAS	348.19	368.46	374.69	381.89	-	8.31	8.69	8.90	9.18	-
48	COMMUNICATION	285.68	285.68	300.53	304.84	-	7.16	7.16	7.57	7.64	-
481	Telephone communication	295.07	295.07	310.80	316.76	-	7.34	7.34	7.77	7.86	-
4817	Switchboard operating employees ³	222.12	220.53	226.24	230.61	-	6.17	6.16	6.52	6.57	-
4818	Line construction employees ⁴	404.50	402.28	424.70	435.94	-	8.89	8.90	9.48	9.56	-
483	Radio and television broadcasting	249.41	243.21	257.26	252.67	-	6.36	6.35	6.77	6.72	-
49	ELECTRIC, GAS, AND SANITARY SERVICES ..	308.28	315.75	329.38	329.75	-	7.34	7.50	7.88	7.87	-
491	Electric services	312.80	319.27	333.80	335.49	-	7.36	7.53	7.91	7.95	-
492	Gas production and distribution	281.26	282.87	299.39	302.50	-	6.86	6.95	7.32	7.36	-
493	Combination utility services	341.90	356.97	370.90	362.41	-	8.16	8.36	8.81	8.67	-
495	Sanitary services	256.22	255.85	263.96	268.58	-	5.89	5.95	6.33	6.29	-
-	WHOLESALE AND RETAIL TRADE	146.29	146.19	156.00	158.55	157.59	4.38	4.54	4.80	4.79	4.94
50, 51	WHOLESALE TRADE	218.79	217.73	235.90	240.47	237.31	5.61	5.67	6.08	6.15	6.18
50	WHOLESALE TRADE-DURABLE GOODS	222.39	220.77	238.94	244.16	-	5.63	5.69	6.08	6.15	-
501	Motor vehicles and automotive equipment	205.27	197.08	218.27	229.86	-	5.21	5.20	5.64	5.79	-
502	Furniture and home furnishings	190.88	189.88	210.10	212.77	-	5.01	5.05	5.50	5.57	-
503	Lumber and construction materials	221.82	215.81	243.14	246.76	-	5.63	5.62	6.14	6.20	-
504	Sporting goods, toys, and hobby goods	229.46	227.67	231.10	243.20	-	5.96	5.96	6.13	6.40	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^D	Jan. 1979 ^D	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^D	Jan. 1979 ^D
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	41.0	39.9	40.6	41.1	-	3.1	3.0	3.1	3.2	-
2841	Soap and other detergents	43.5	43.1	43.2	43.4	-	4.8	4.9	5.0	5.5	-
2842, 3	Polishing, sanitation, and finishing preparations	40.6	40.1	40.2	40.4	-	2.8	3.2	2.9	2.7	-
2844	Toilet preparations	39.4	37.3	38.8	39.7	-	1.9	1.4	1.8	1.7	-
285	Paints and allied products	41.3	40.5	41.3	41.6	-	2.9	2.8	3.0	2.8	-
286	Industrial organic chemicals	42.9	42.1	43.3	43.2	-	3.8	3.5	3.9	4.0	-
2885	Cyclic crudes and intermediates	43.1	41.9	42.6	43.4	-	4.3	3.9	4.0	4.7	-
2881, 9	Gum, wood, and industrial organic chemicals, nec	42.8	42.2	43.6	43.2	-	3.6	3.4	3.8	3.7	-
287	Agricultural chemicals	42.3	42.4	42.7	42.7	-	4.6	4.9	4.8	4.6	-
289	Miscellaneous chemical products	42.3	41.0	42.2	42.4	-	3.4	3.4	3.7	3.8	-
29	PETROLEUM AND COAL PRODUCTS	43.5	42.5	44.5	43.8	43.3	4.1	3.7	4.5	4.6	-
291	Petroleum refining	43.2	42.6	44.2	43.3	-	3.7	3.4	3.8	3.9	-
296	Paving and roofing materials	45.7	42.7	46.4	46.6	-	6.2	5.6	7.1	7.7	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	41.3	39.8	41.4	42.0	41.3	3.5	3.2	3.8	4.0	-
301	Tires and inner tubes	42.5	41.8	44.8	46.4	-	4.4	3.8	5.7	6.4	-
302	Rubber and plastics footwear	39.1	37.7	38.8	39.6	-	2.4	2.3	2.0	2.4	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	40.9	40.6	41.9	42.0	-	4.0	4.4	4.8	4.6	-
306	Fabricated rubber products, nec	41.5	39.4	41.1	41.8	-	3.2	2.8	3.5	3.8	-
307	Miscellaneous plastics products	41.0	39.4	40.8	41.1	-	3.4	3.2	3.5	3.5	-
31	LEATHER AND LEATHER PRODUCTS	37.4	35.8	37.0	37.2	36.8	1.9	1.6	1.6	1.5	-
311	Leather tanning and finishing	40.3	39.1	39.3	39.3	-	3.1	3.3	2.8	2.7	-
314	Footwear, except rubber	37.3	35.6	36.4	36.8	-	1.8	1.5	1.2	1.3	-
3143	Men's footwear, except athletic	38.6	36.5	37.4	37.9	-	2.2	1.7	1.1	1.2	-
3144	Women's footwear, except athletic	36.0	34.7	35.4	36.0	-	1.5	1.3	1.2	1.4	-
316	Luggage	34.4	35.6	37.7	35.7	-	1.3	1.4	2.1	1.6	-
317	Handbags and personal leather goods	37.5	35.2	38.2	38.2	-	1.8	1.0	2.6	2.1	-
-	TRANSPORTATION AND PUBLIC UTILITIES	40.2	39.4	40.0	40.4	39.7	-	-	-	-	-
4011	RAILROAD TRANSPORTATION: Class I railroads ²	43.3	42.2	43.5	(*)	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	34.2	33.6	34.6	34.3	-	-	-	-	-	-
411	Local and suburban transportation	41.1	40.7	41.9	41.1	-	-	-	-	-	-
413	Intercity highway transportation	35.5	36.4	38.4	35.4	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	41.3	39.0	40.1	41.2	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	41.4	39.1	40.1	41.3	-	-	-	-	-	-
422	Public warehousing	40.0	38.0	39.6	39.6	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	41.9	42.4	42.1	41.6	-	-	-	-	-	-
48	COMMUNICATION	39.9	39.9	39.7	39.9	-	-	-	-	-	-
481	Telephone communication	40.2	40.2	40.0	40.3	-	-	-	-	-	-
4817	Switchboard operating employees ³	36.0	35.8	34.7	35.1	-	-	-	-	-	-
4818	Line construction employees ⁴	45.5	45.2	44.8	45.6	-	-	-	-	-	-
483	Radio and television broadcasting	37.8	38.3	38.0	37.6	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	42.0	42.1	41.8	41.9	-	-	-	-	-	-
491	Electric services	42.5	42.4	42.2	42.2	-	-	-	-	-	-
492	Gas production and distribution	41.0	40.7	40.9	41.1	-	-	-	-	-	-
493	Combination utility services	41.9	42.7	42.1	41.8	-	-	-	-	-	-
496	Sanitary services	43.5	43.0	41.7	42.7	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	33.4	32.2	32.5	33.1	31.9	-	-	-	-	-
50, 51	WHOLESALE TRADE	39.0	38.4	38.8	39.1	38.4	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	39.5	38.8	39.3	39.7	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	39.4	37.9	38.7	39.7	-	-	-	-	-	-
502	Furniture and home furnishings	38.1	37.6	38.2	38.2	-	-	-	-	-	-
503	Lumber and construction materials	39.4	38.4	39.6	39.8	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	38.5	38.2	37.7	38.0	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
506	Metals and minerals, except petroleum	\$256.48	\$256.31	\$274.72	\$278.40	-	\$6.38	\$6.44	\$6.92	\$6.96	-
506	Electrical goods	230.08	220.80	240.17	247.90	-	5.82	5.75	6.19	6.26	-
507	Hardware, plumbing, and heating equipment	211.62	211.37	220.99	225.62	-	5.44	5.49	5.77	5.83	-
508	Machinery, equipment, and supplies	233.42	235.42	253.20	256.48	-	5.85	5.96	6.33	6.38	-
509	Miscellaneous durable goods	187.79	183.86	204.75	209.09	-	4.84	4.89	5.21	5.28	-
51	WHOLESALE TRADE-NONDURABLE GOODS	213.71	213.57	232.03	235.16	-	5.58	5.65	6.09	6.14	-
511	Paper and paper products	235.69	235.43	264.99	268.64	-	6.37	6.45	7.30	7.36	-
512	Drugs, proprietaries, and sundries	223.29	223.30	239.23	244.29	-	5.74	5.80	6.23	6.28	-
513	Apparel, piece goods, and notions	183.32	184.53	207.55	210.94	-	5.05	5.14	5.64	5.64	-
514	Groceries and related products	219.82	219.46	236.16	237.16	-	5.68	5.76	6.15	6.16	-
516	Chemicals and allied products	243.57	246.40	269.00	270.36	-	6.31	6.40	6.81	6.80	-
517	Petroleum and petroleum products	252.49	257.11	287.50	291.34	-	6.36	6.46	7.26	7.32	-
518	Beer, wine, and distilled beverages	258.70	246.00	272.60	281.98	-	6.79	6.56	7.25	7.44	-
519	Miscellaneous nondurable goods	176.78	175.41	190.88	193.17	-	4.64	4.69	5.01	5.07	-
52-69	RETAIL TRADE	124.58	124.23	131.58	134.28	\$133.06	3.93	4.10	4.30	4.29	\$4.45
52	BUILDING MATERIALS AND GARDEN SUPPLIES	166.50	162.34	181.23	181.72	-	4.44	4.46	4.82	4.72	-
521	Lumber and other building materials	185.50	178.42	202.29	200.90	-	4.72	4.72	5.07	4.90	-
525	Hardware stores	132.85	132.00	138.38	140.94	-	3.67	3.75	4.07	4.05	-
53	GENERAL MERCHANDISE STORES	115.18	112.31	117.62	122.31	-	3.68	4.04	4.07	4.01	-
531	Department stores	120.26	115.93	122.54	127.30	-	3.83	4.17	4.24	4.16	-
533	Variety stores	91.79	96.72	97.58	102.11	-	2.99	3.52	3.40	3.37	-
539	Misc. general merchandise stores	92.65	90.72	93.44	96.60	-	2.96	3.15	3.20	3.22	-
54	FOOD STORES	159.71	159.83	172.13	172.26	-	4.96	5.09	5.43	5.40	-
541	Grocery stores	165.89	166.31	180.32	179.68	-	5.12	5.23	5.60	5.58	-
546	Retail bakeries	110.70	107.26	116.58	120.47	-	3.69	3.79	4.02	4.07	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	173.50	172.52	187.75	189.13	-	4.59	4.65	5.02	5.03	-
551.2	New and used car dealers	212.62	208.13	231.55	232.76	-	5.48	5.42	6.03	6.03	-
553	Auto and home supply stores	176.35	174.15	183.56	188.33	-	4.13	4.42	4.51	4.56	-
554	Gasoline service stations	122.15	124.55	130.18	130.88	-	3.51	3.61	3.73	3.75	-
56	APPAREL AND ACCESSORY STORES	110.45	105.04	111.07	117.58	-	3.54	3.66	3.83	3.83	-
561	Men's and boys' clothing and furnishings	137.16	135.04	138.99	149.26	-	4.07	4.22	4.33	4.39	-
562	Women's ready-to-wear stores	99.10	93.37	95.55	101.03	-	3.26	3.42	3.50	3.46	-
565	Family clothing stores	101.49	96.73	107.24	116.55	-	3.29	3.43	3.66	3.70	-
566	Shoe stores	120.26	113.78	121.64	122.25	-	3.93	3.87	4.18	4.13	-
57	FURNITURE AND HOME FURNISHINGS STORES	167.61	160.65	174.38	183.32	-	4.63	4.67	4.94	5.05	-
571	Furniture and home furnishings	173.88	168.43	180.22	187.72	-	4.83	4.84	5.12	5.20	-
572	Household appliance stores	172.89	167.56	188.56	194.78	-	4.66	4.72	5.11	5.25	-
573	Radio, television, and music stores	148.01	137.10	151.11	166.62	-	4.10	4.18	4.38	4.59	-
58	EATING AND DRINKING PLACES³	81.87	82.58	87.51	88.31	-	3.01	3.14	3.29	3.32	-
59	MISCELLANEOUS RETAIL	129.31	129.28	133.24	139.35	-	3.86	3.99	4.19	4.21	-
591	Drug stores and proprietary stores	114.98	115.44	120.34	123.56	-	3.65	3.81	3.92	3.91	-
594	Miscellaneous shopping goods stores	118.19	114.08	118.04	127.14	-	3.56	3.68	3.87	3.90	-
596	Nonstore retailers	155.22	157.60	163.54	169.82	-	4.36	4.49	4.81	4.88	-
598	Fuel and ice dealers	222.71	225.35	222.22	231.01	-	5.29	5.34	5.64	5.69	-
599	Retail stores, nec	123.70	120.08	131.36	138.51	-	3.76	3.80	4.17	4.21	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	169.99	173.26	182.59	182.95	185.49	4.67	4.76	5.03	5.04	5.11
80	BANKING	146.73	150.84	155.73	156.45	-	4.02	4.11	4.29	4.31	-
602	Commercial and stock savings banks	143.45	147.90	152.82	153.91	-	3.93	4.03	4.21	4.24	-
81	CREDIT AGENCIES OTHER THAN BANKS	153.35	159.10	163.89	165.43	-	4.19	4.30	4.49	4.52	-
812	Savings and loan associations	145.89	153.14	153.51	155.37	-	4.03	4.15	4.30	4.34	-
814	Personal credit institutions	149.41	152.72	163.17	165.47	-	4.06	4.15	4.41	4.46	-
83	INSURANCE CARRIERS	186.74	189.35	199.76	201.05	-	5.02	5.09	5.37	5.39	-
831	Life insurance	187.45	188.64	197.42	200.00	-	5.08	5.14	5.35	5.42	-
832	Medical service and health insurance	180.78	185.82	195.56	197.38	-	4.77	4.89	5.16	5.14	-
833	Fire, marine, and casualty insurance	187.73	190.98	201.47	202.02	-	5.06	5.12	5.46	5.46	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^D	Jan. 1979 ^D	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^D	Jan. 1979 ^D
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	40.2	39.8	39.7	40.0	--	--	--	--	--	--
506	Electrical goods	39.6	38.4	38.8	39.6	--	--	--	--	--	--
507	Hardware, plumbing, and heating equipment	38.9	38.5	38.3	38.7	--	--	--	--	--	--
508	Machinery, equipment, and supplies	39.9	39.5	40.0	40.2	--	--	--	--	--	--
509	Miscellaneous durable goods	38.8	37.6	39.3	39.6	--	--	--	--	--	--
51	WHOLESALE TRADE-NONDURABLE GOODS ..	38.3	37.8	38.1	38.3	--	--	--	--	--	--
511	Paper and paper products	37.0	36.5	36.3	36.5	--	--	--	--	--	--
512	Drugs, proprietaries, and sundries	38.9	38.5	38.4	38.9	--	--	--	--	--	--
513	Apparel, piece goods, and notions	36.3	35.9	36.8	37.4	--	--	--	--	--	--
514	Groceries and related products	38.7	38.1	38.4	38.5	--	--	--	--	--	--
516	Chemicals and allied products	38.6	38.5	39.5	39.7	--	--	--	--	--	--
517	Petroleum and petroleum products	39.7	39.8	39.6	39.8	--	--	--	--	--	--
518	Beer, wine, and distilled beverages	38.1	37.5	37.6	37.9	--	--	--	--	--	--
519	Miscellaneous nondurable goods	38.1	37.4	38.1	38.1	--	--	--	--	--	--
52-59	RETAIL TRADE	31.7	30.3	30.6	31.3	29.9	--	--	--	--	--
52	BUILDING MATERIALS AND GARDEN SUPPLIES	37.5	36.4	37.6	38.5	--	--	--	--	--	--
521	Lumber and other building materials	39.3	37.8	39.9	41.0	--	--	--	--	--	--
525	Hardware stores	36.2	35.2	34.0	34.8	--	--	--	--	--	--
53	GENERAL MERCHANDISE STORES	31.3	27.8	28.9	30.5	--	--	--	--	--	--
531	Department stores	31.4	27.8	28.9	30.6	--	--	--	--	--	--
533	Variety stores	30.7	27.4	28.7	30.3	--	--	--	--	--	--
539	Misc. general merchandise stores	31.3	28.8	29.2	30.0	--	--	--	--	--	--
54	FOOD STORES	32.2	31.4	31.7	31.9	--	--	--	--	--	--
541	Grocery stores	32.4	31.8	32.2	32.2	--	--	--	--	--	--
546	Retail bakeries	30.0	28.3	29.0	29.6	--	--	--	--	--	--
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.8	37.1	37.4	37.6	--	--	--	--	--	--
551, 2	New and used car dealers	38.8	38.4	38.4	38.6	--	--	--	--	--	--
553	Auto and home supply stores	42.7	39.4	40.7	41.3	--	--	--	--	--	--
554	Gasoline service stations	34.8	34.5	34.9	34.9	--	--	--	--	--	--
56	APPAREL AND ACCESSORY STORES	31.2	28.7	29.0	30.7	--	--	--	--	--	--
561	Men's and boys' clothing and furnishings	33.7	32.0	32.1	34.0	--	--	--	--	--	--
562	Women's ready-to-wear stores	30.4	27.3	27.3	29.2	--	--	--	--	--	--
565	Family clothing stores	31.0	28.2	29.3	31.5	--	--	--	--	--	--
566	Shoe stores	30.6	29.4	29.1	29.6	--	--	--	--	--	--
57	FURNITURE AND HOME FURNISHINGS STORES	36.2	34.4	35.3	36.3	--	--	--	--	--	--
571	Furniture and home furnishings	36.0	34.8	35.3	36.1	--	--	--	--	--	--
572	Household appliance stores	37.1	35.5	36.9	37.1	--	--	--	--	--	--
573	Radio, television, and music stores	36.1	32.8	34.5	36.3	--	--	--	--	--	--
58	EATING AND DRINKING PLACES⁵	27.2	26.3	26.6	26.6	--	--	--	--	--	--
59	MISCELLANEOUS RETAIL	33.5	32.4	31.8	33.1	--	--	--	--	--	--
591	Drug stores and proprietary stores	31.5	30.3	30.7	31.6	--	--	--	--	--	--
594	Miscellaneous shopping goods stores	33.2	31.0	30.5	32.6	--	--	--	--	--	--
596	Nonstore retailers	35.6	35.1	34.0	34.8	--	--	--	--	--	--
598	Fuel and ice dealers	42.1	42.2	39.4	40.6	--	--	--	--	--	--
599	Retail stores, nec	32.9	31.6	31.5	32.9	--	--	--	--	--	--
--	FINANCE, INSURANCE, AND REAL ESTATE⁶	36.4	36.4	36.3	36.3	36.3	--	--	--	--	--
60	BANKING	36.5	36.7	36.3	36.3	--	--	--	--	--	--
602	Commercial and stock savings banks	36.5	36.7	36.3	36.3	--	--	--	--	--	--
61	CREDIT AGENCIES OTHER THAN BANKS	36.6	37.0	36.5	36.6	--	--	--	--	--	--
612	Savings and loan associations	36.2	36.8	35.7	35.8	--	--	--	--	--	--
614	Personal credit institutions	36.8	36.8	37.0	37.1	--	--	--	--	--	--
63	INSURANCE CARRIERS	37.2	37.2	37.2	37.3	--	--	--	--	--	--
631	Life insurance	36.9	36.7	36.9	36.9	--	--	--	--	--	--
632	Medical service and health insurance	37.9	38.0	37.9	38.4	--	--	--	--	--	--
633	Fire, marine, and casualty insurance	37.1	37.3	36.9	37.0	--	--	--	--	--	--

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p
-	SERVICES	\$158.40	\$160.39	\$167.24	\$168.22	\$169.78	\$4.80	\$4.89	\$5.13	\$5.16	\$5.24
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	105.10	109.96	114.20	114.53	-	3.48	3.57	3.72	3.78	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	122.48	123.68	132.86	134.25	-	3.54	3.67	3.84	3.88	-
723	Beauty shops	121.27	110.66	119.88	123.48	-	3.72	3.64	3.83	3.92	-
	BUSINESS SERVICES										
73	Advertising	162.68	166.32	170.17	171.68	-	4.90	5.04	5.22	5.25	-
731	Services to buildings	247.20	248.51	259.55	261.00	-	6.81	7.04	7.17	7.21	-
734	Computer and data processing services	118.44	123.36	123.94	124.03	-	4.20	4.39	4.54	4.56	-
737	Automotive repair shops	202.58	202.76	215.03	219.13	-	5.49	5.54	5.94	6.02	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	178.29	179.08	188.78	191.51	-	4.78	4.84	5.13	5.19	-
753	MISCELLANEOUS REPAIR SERVICES	205.65	202.28	215.95	216.93	-	5.18	5.20	5.58	5.62	-
76	MOTION PICTURES	236.70	236.00	253.38	255.23	-	5.83	5.90	6.18	6.21	-
	MOTION PICTURES										
78	Motion picture production and services	179.47	195.65	200.83	195.02	-	6.21	6.77	7.25	7.17	-
781	AMUSEMENT AND RECREATION SERVICES	311.71	368.86	378.60	363.68	-	8.54	9.81	10.15	9.75	-
79	HEALTH SERVICES	137.86	138.92	148.47	145.87	-	4.52	4.60	4.90	4.83	-
	HEALTH SERVICES										
80	Offices of physicians	148.91	151.67	162.19	163.02	-	4.54	4.61	4.90	4.94	-
801	Offices of dentists	157.74	157.44	171.19	174.01	-	4.78	4.80	5.11	5.21	-
802	Nursing and personal care facilities	134.21	134.99	136.77	136.99	-	4.66	4.72	4.70	4.74	-
805	Hospitals	103.56	108.96	113.15	113.46	-	3.33	3.47	3.65	3.66	-
806	LEGAL SERVICES	162.10	164.94	177.14	177.30	-	4.81	4.88	5.21	5.23	-
81	MISCELLANEOUS SERVICES	205.71	210.53	218.54	216.32	-	5.98	6.12	6.39	6.40	-
	MISCELLANEOUS SERVICES										
89	Engineering and architectural services	266.81	268.73	280.44	282.34	-	6.93	6.98	7.38	7.43	-
891	Accounting, auditing, and bookkeeping	288.75	287.39	303.03	303.36	-	7.31	7.35	7.81	7.90	-
893		227.02	234.69	238.88	243.96	-	5.99	6.08	6.37	6.42	-

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				
		Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^P	Jan. 1979 ^P
-	SERVICES	33.0	32.8	32.6	32.6	32.4	-	-	-	-	-
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts	30.2	30.8	30.7	30.3	-	-	-	-	-	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	34.6	33.7	34.6	34.6	-	-	-	-	-	
723	Beauty shops	32.6	30.4	31.3	31.5	-	-	-	-	-	
73	BUSINESS SERVICES	33.2	33.0	32.6	32.7	-	-	-	-	-	
731	Advertising	36.3	35.3	36.2	36.2	-	-	-	-	-	
734	Services to buildings	28.2	28.1	27.3	27.2	-	-	-	-	-	
737	Computer and data processing services	36.9	36.6	36.2	36.4	-	-	-	-	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	37.3	37.0	36.8	36.9	-	-	-	-	-	
753	Automotive repair shops	39.7	38.9	38.7	38.6	-	-	-	-	-	
78	MISCELLANEOUS REPAIR SERVICES	40.6	40.0	41.0	41.1	-	-	-	-	-	
78	MOTION PICTURES	28.9	28.9	27.7	27.2	-	-	-	-	-	
781	Motion picture production and services	36.5	37.6	37.3	37.3	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	30.5	30.2	30.3	30.2	-	-	-	-	-	
80	HEALTH SERVICES	32.8	32.9	33.1	33.0	-	-	-	-	-	
801	Offices of physicians	33.0	32.8	33.5	33.4	-	-	-	-	-	
802	Offices of dentists	28.8	28.6	29.1	28.9	-	-	-	-	-	
806	Nursing and personal care facilities	31.1	31.4	31.0	31.0	-	-	-	-	-	
806	Hospitals	33.7	33.8	34.0	33.9	-	-	-	-	-	
81	LEGAL SERVICES	34.4	34.4	34.2	33.8	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	38.5	38.5	38.0	38.0	-	-	-	-	-	
891	Engineering and architectural services	39.5	39.1	38.8	38.4	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	37.9	38.6	37.5	38.0	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

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

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

Item	1977			1978									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Executive Branch													
Total employment	2,662.5	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
Average weekly hours	39.8	39.4	40.0	39.6	39.9	39.9	39.6	39.5	39.6	39.8	39.7	39.5	39.9
Average overtime hours	1.2	1.1	1.6	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3
Indexes (1967=100):													
Average weekly earnings	226.9	225.9	230.5	229.0	230.2	227.4	226.5	226.0	226.5	227.7	226.8	230.0	242.0
Average hourly earnings	224.6	225.9	227.0	227.8	227.3	226.2	225.4	225.4	225.4	225.4	225.1	229.5	238.9
Department of Defense													
Total employment	907.8	909.8	907.7	906.4	906.0	905.6	905.4	911.3	924.8	927.1	918.6	905.4	905.8
Average weekly hours	39.9	39.8	40.0	39.9	40.1	40.0	40.1	40.0	40.2	40.1	40.1	39.7	39.9
Average overtime hours .....	.9	.9	.8	.7	.8	.9	.9	.9	1.0	.9	1.0	1.2	1.0
Indexes (1967=100):													
Average weekly earnings	217.4	220.9	220.4	221.8	222.3	221.5	222.1	222.0	221.5	220.4	221.2	223.3	232.5
Average hourly earnings	219.6	223.7	222.1	224.0	223.4	223.2	223.2	223.7	223.2	221.5	222.3	226.7	234.9
Postal Service													
Total employment	649.2	650.2	668.2	645.6	646.9	647.6	647.9	648.3	648.3	647.5	649.0	651.9	646.9
Average weekly hours	41.2	39.8	41.8	41.1	41.5	40.4	40.1	39.9	40.0	40.2	39.9	39.7	41.5
Average overtime hours	2.0	1.5	3.5	2.5	2.1	1.7	1.5	1.5	1.6	1.8	1.5	1.8	2.3
Indexes (1967=100):													
Average weekly earnings	259.0	253.4	271.7	253.9	266.5	258.5	256.2	254.3	259.7	261.9	260.3	259.3	278.7
Average hourly earnings	242.7	245.7	250.9	249.9	247.9	247.0	246.6	246.0	250.6	251.5	251.8	252.1	259.5
Other Agencies													
Total employment	1,105.5	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
Average weekly hours	38.8	38.9	38.8	38.5	38.9	38.8	38.9	38.8	39.0	39.3	39.3	39.1	39.0
Average overtime hours	1.1	1.1	1.0	.9	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.2	1.1
Indexes (1967=100):													
Average weekly earnings	216.6	215.4	216.1	216.6	217.6	215.1	214.1	213.4	212.0	214.6	213.4	218.3	229.1
Average hourly earnings	216.6	214.9	216.1	218.3	217.1	215.1	213.6	213.4	210.9	211.9	210.6	216.6	228.0

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				
	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ²	Jan. 1979 ²
MANUFACTURING	\$5.67	\$5.73	\$6.10	\$6.18	\$6.20
DURABLE GOODS	6.04	6.08	6.49	6.58	6.58
Lumber and wood products	5.04	5.18	5.50	5.51	-
Furniture and fixtures	4.35	4.41	4.64	4.69	-
Stone, clay, and glass products	5.70	5.75	6.17	6.22	-
Primary metal industries	7.40	7.49	8.11	8.14	-
Fabricated metal products	5.84	5.86	6.24	6.31	-
Machinery, except electrical	6.20	6.23	6.65	6.74	-
Electric and electronic equipment	5.44	5.48	5.76	5.87	-
Transportation equipment	7.26	7.21	7.76	7.90	-
Instruments and related products	5.33	5.39	5.64	5.71	-
Miscellaneous manufacturing industries	4.40	4.47	4.65	4.72	-
NONDURABLE GOODS	5.09	5.18	5.47	5.52	5.59
Food and kindred products	5.33	5.37	5.69	5.73	-
Tobacco manufactures	5.61	5.87	6.02	6.20	-
Textile mill products	3.96	4.00	4.25	4.28	-
Apparel and other textile products	3.70	3.80	3.96	4.00	-
Paper and allied products	5.89	5.92	6.36	6.40	-
Printing and publishing	(^a)	(^a)	(^a)	(^a)	-
Chemicals and allied products	6.46	6.51	6.92	6.98	-
Petroleum and coal products	7.63	8.06	8.34	8.43	-
Rubber and misc. plastics products	5.08	5.13	5.44	5.51	-
Leather and leather products	3.60	3.72	3.90	3.92	-

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

² Preliminary.

³ 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		
	Dec. 1977	Nov. 1978	Dec. 1978 ^P	Dec. 1977	Nov. 1978	Dec. 1978 ^P	Dec. 1977	Nov. 1978	Dec. 1978 ^P
TOTAL PRIVATE:									
Current dollars	\$195.48	\$210.50	\$212.99	\$161.38	\$170.28	\$172.06	\$177.80	\$185.81	\$187.68
1967 dollars	105.04	104.31	104.96	86.72	84.38	84.80	95.54	92.08	92.50
MINING:									
Current dollars	289.08	352.59	351.85	223.82	265.48	264.97	247.86	291.35	290.80
1967 dollars	155.34	174.72	173.41	120.27	131.56	130.59	133.19	144.38	143.32
CONSTRUCTION:									
Current dollars	299.27	324.12	330.04	230.44	246.78	250.54	255.08	270.20	274.46
1967 dollars	160.81	160.61	162.66	123.83	122.29	123.48	137.07	133.89	135.27
MANUFACTURING:									
Current dollars	243.31	260.94	267.86	194.38	205.21	209.84	213.60	223.76	229.09
1967 dollars	130.74	129.31	132.02	104.45	101.69	103.42	114.78	110.88	112.91
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	293.06	308.80	313.50	226.40	236.83	239.88	250.76	259.18	262.56
1967 dollars	157.47	153.02	154.51	121.66	117.36	118.23	134.74	128.43	129.40
WHOLESALE AND RETAIL TRADE:									
Current dollars	146.29	156.00	158.55	124.92	130.59	132.50	137.73	143.93	145.93
1967 dollars	78.61	77.30	78.14	67.13	64.71	65.30	74.01	71.32	71.92
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	169.99	182.59	182.95	142.89	150.20	150.46	157.69	164.62	164.90
1967 dollars	91.34	90.48	90.17	76.78	74.43	74.15	84.73	81.58	81.27
SERVICES:									
Current dollars	158.40	167.24	168.22	134.02	139.02	139.75	148.55	152.70	153.47
1967 dollars	85.12	82.87	82.91	72.02	68.89	68.88	79.82	75.67	75.64
CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)	186.1	201.8	202.9	NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is an estimate of the average change in the prices of goods and services purchased by those consumers, and is used to deflate the current dollar values in this table to the 1967 dollar values shown. A major revision in the Consumer Price Index (revised CPI-W) was introduced with data for January 1978. Data prior to January 1978 in 1967 dollars are based on the unrevised Consumer Price Index for Urban Wage Earners and Clerical Workers (unrevised CPI-W).					

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).

The data for spendable earnings for the seven month period June-December 1977 are calcu-

lated from formulas which concentrate the full year's effect of tax reduction in those seven months. 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	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p
	Hours				
TOTAL PRIVATE.....	119.3	112.4	123.2	124.8	118.6
GOODS-PRODUCING.....	102.7	94.6	109.8	110.1	103.3
MINING.....	106.5	101.4	150.1	148.6	143.5
CONSTRUCTION.....	106.4	84.9	128.4	123.6	103.5
MANUFACTURING.....	101.9	96.1	105.1	106.4	101.9
DURABLE GOODS.....	104.1	98.0	108.5	110.7	105.4
Lumber and wood products.....	112.3	103.7	114.0	113.5	105.3
Furniture and fixtures.....	111.9	102.8	110.9	113.0	106.5
Stone, clay, and glass products.....	108.1	98.9	114.1	112.4	103.6
Primary metal industries.....	92.2	91.1	98.2	99.5	97.1
Fabricated metal products.....	103.4	97.6	106.6	109.0	104.3
Machinery, except electrical.....	110.1	105.0	115.8	120.8	117.1
Electric and electronic equipment.....	101.7	96.0	104.9	106.5	103.4
Transportation equipment.....	100.8	92.2	104.7	109.4	99.1
Instruments and related products.....	118.8	114.5	127.9	129.9	128.2
Miscellaneous manufacturing industries.....	98.3	91.2	106.9	100.5	97.8
NONDURABLE GOODS.....	98.6	93.2	100.1	100.0	96.7
Food and kindred products.....	94.0	88.6	96.2	95.3	91.7
Tobacco manufactures.....	86.1	77.4	84.1	83.6	77.9
Textile mill products.....	93.8	89.6	93.0	93.5	91.2
Apparel and other textile products.....	91.1	82.2	91.7	90.1	85.7
Paper and allied products.....	101.3	97.1	101.6	102.0	99.5
Printing and publishing.....	99.6	94.6	101.3	103.4	99.0
Chemicals and allied products.....	105.2	102.9	107.5	108.1	106.9
Petroleum and coal products.....	117.6	113.6	125.9	122.5	116.3
Rubber and misc. plastics products.....	144.2	138.2	152.4	154.7	151.3
Leather and leather products.....	69.6	65.5	68.0	66.9	63.9
SERVICE-PRODUCING.....	130.9	124.9	132.5	135.0	129.2
TRANSPORTATION AND PUBLIC UTILITIES.....	108.1	103.9	110.8	112.1	108.6
WHOLESALE AND RETAIL TRADE.....	130.5	120.4	129.3	134.4	124.4
WHOLESALE TRADE.....	124.0	121.0	128.2	129.4	126.1
RETAIL TRADE.....	133.0	120.2	129.8	136.3	123.7
FINANCE, INSURANCE, AND REAL ESTATE.....	133.4	133.2	140.2	140.7	140.7
SERVICES.....	141.3	138.3	144.8	144.8	142.0

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

^ppreliminary.

**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	Dec. 1977	Jan. 1978	Nov. 1978	Dec. 1978 ^p	Jan. 1979 ^p
	Payrolls				
TOTAL PRIVATE	240.6	229.6	270.1	274.6	263.3
GOODS-PRODUCING	214.2	197.2	249.6	252.5	236.0
MINING	226.2	219.6	378.7	376.5	371.2
CONSTRUCTION	214.5	172.1	277.2	268.1	226.0
MANUFACTURING	213.7	202.9	237.4	243.6	233.4
DURABLE GOODS	219.9	207.6	246.6	255.5	242.1
Lumber and wood products	250.2	236.2	277.4	277.2	258.1
Furniture and fixtures	217.5	201.5	228.8	236.0	244.4
Stone, clay, and glass products	230.4	211.8	264.2	261.4	242.6
Primary metal industries	214.2	214.5	250.6	255.1	248.8
Fabricated metal products	212.5	200.3	234.1	242.3	230.5
Machinery, except electrical	226.0	215.2	254.2	270.1	259.8
Electric and electronic equipment	207.1	196.0	226.3	234.2	227.3
Transportation equipment	225.2	203.7	252.0	267.5	240.0
Instruments and related products	230.4	223.3	261.9	270.0	266.6
Miscellaneous manufacturing industries	190.3	178.1	218.5	208.2	203.9
NONDURABLE GOODS	203.1	194.9	221.7	223.5	218.7
Food and kindred products	199.5	162.0	217.7	217.1	211.4
Tobacco manufactures	222.3	207.7	229.2	234.6	229.0
Textile mill products	188.7	182.0	201.2	203.7	200.4
Apparel and other textile products	169.0	156.1	182.5	180.5	175.8
Paper and allied products	220.2	212.1	238.9	241.2	236.2
Printing and publishing	190.6	182.5	204.9	210.4	203.4
Chemicals and allied products	228.2	224.9	250.1	253.2	252.5
Petroleum and coal products	264.3	268.7	308.1	303.8	288.3
Rubber and misc. plastics products	278.5	269.4	316.0	325.2	319.4
Leather and leather products	124.4	120.8	131.0	129.3	128.5
SERVICE-PRODUCING	263.3	257.5	287.8	293.6	286.8
TRANSPORTATION AND PUBLIC UTILITIES	243.6	235.7	264.5	269.1	261.2
WHOLESALE AND RETAIL TRADE	253.7	242.8	275.4	286.0	272.9
WHOLESALE TRADE	241.9	238.5	271.0	276.5	270.8
RETAIL TRADE	260.4	245.2	277.9	291.3	274.1
FINANCE, INSURANCE, AND REAL ESTATE	241.0	245.2	272.8	274.6	278.3
SERVICES	296.3	295.5	324.7	326.3	324.9

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

p=preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^P	Jan. ^P
TOTAL PRIVATE	35.5	35.7	36.0	36.1	35.9	35.9	35.9	35.8	35.8	35.9	35.8	35.9	35.7
MINING	42.8	43.2	43.7	44.0	43.4	43.4	43.0	43.6	43.0	43.0	43.3	43.8	43.6
CONSTRUCTION	34.3	35.6	36.9	37.3	36.6	37.3	37.3	37.1	37.0	36.9	36.8	37.1	36.1
MANUFACTURING	39.8	40.1	40.6	40.8	40.4	40.5	40.5	40.3	40.4	40.5	40.7	40.7	40.6
<i>Overtime hours</i>	3.5	3.7	3.7	3.8	3.5	3.6	3.6	3.4	3.6	3.6	3.7	3.8	3.8
DURABLE GOODS	40.4	40.7	41.3	41.4	41.0	41.2	41.2	41.0	41.1	41.2	41.4	41.5	41.2
<i>Overtime hours</i>	3.7	4.0	3.9	4.0	3.7	3.7	3.8	3.6	3.8	3.9	4.0	4.1	4.2
Lumber and wood products	39.3	39.6	39.9	40.2	39.5	40.0	39.8	39.3	39.6	40.1	40.1	40.1	39.7
Furniture and fixtures	38.4	40.0	40.1	40.1	39.4	39.5	39.3	39.0	38.8	39.0	39.2	39.3	39.2
Stone, clay, and glass products	40.0	40.9	41.8	42.0	41.6	41.9	41.7	41.6	41.8	41.8	41.9	42.0	41.2
Primary metal industries	41.4	41.6	41.5	41.5	41.7	41.8	41.8	42.0	41.8	42.1	42.3	42.2	41.7
Fabricated metal products	40.3	40.7	41.3	41.4	41.1	41.0	41.0	40.9	40.9	40.8	41.1	41.4	41.0
Machinery, except electrical	41.1	41.8	42.3	42.3	42.1	42.3	42.2	41.8	41.9	42.0	42.2	42.3	42.1
Electric and electronic equipment	39.7	40.0	40.6	40.4	40.2	40.2	40.7	40.4	40.1	40.3	40.4	40.5	40.8
Transportation equipment	41.6	40.9	42.1	42.4	41.8	42.0	42.1	41.8	42.5	42.6	42.9	42.9	42.0
Instruments and related products	40.4	40.6	41.3	41.4	40.8	40.8	40.7	41.0	40.9	40.9	40.9	41.0	41.4
Miscellaneous manufacturing ind	38.0	38.3	39.0	39.1	38.8	38.8	38.8	39.0	39.0	38.8	38.8	38.8	39.4
NONDURABLE GOODS	38.8	39.1	39.7	39.8	39.5	39.4	39.4	39.3	39.4	39.3	39.6	39.5	39.7
<i>Overtime hours</i>	3.2	3.3	3.3	3.4	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.2
Food and kindred products	39.7	39.7	40.0	40.1	39.8	39.6	39.8	39.5	39.5	39.9	40.0	40.0	40.2
Tobacco manufactures	37.6	38.3	38.9	38.7	38.7	39.6	38.6	37.7	37.9	36.7	37.4	38.0	38.4
Textile mill products	40.3	40.3	40.8	40.9	40.5	40.3	40.2	40.4	40.4	40.3	40.4	40.5	41.3
Apparel and other textile products	33.7	35.5	36.0	36.3	35.9	35.8	35.8	35.6	35.7	35.2	35.7	35.7	35.1
Paper and allied products	42.5	42.5	43.4	43.5	42.9	42.9	42.9	42.7	42.7	42.6	43.1	42.7	42.9
Printing and publishing	37.4	37.4	38.0	37.9	37.3	37.5	37.6	37.4	37.8	37.7	37.9	37.6	37.7
Chemicals and allied products	41.6	41.6	42.1	42.0	41.9	41.9	41.8	41.9	41.8	41.9	42.1	41.9	42.0
Petroleum and coal products	43.1	42.8	43.3	43.6	42.9	43.4	43.9	44.3	43.8	43.9	44.2	43.7	43.9
Rubber and misc. plastics products	40.2	39.8	40.7	41.3	41.1	41.1	40.9	40.9	41.0	41.0	41.1	41.3	41.7
Leather and leather products	36.5	36.4	37.1	38.1	37.6	37.4	37.2	37.1	37.2	37.1	36.8	36.8	37.6
TRANSPORTATION AND PUBLIC UTILITIES	40.0	40.1	40.4	40.0	40.2	40.1	39.6	39.9	40.1	40.1	40.0	40.2	40.3
WHOLESALE AND RETAIL TRADE	32.7	32.7	33.0	33.0	32.9	32.8	32.9	32.8	32.8	32.9	32.8	32.9	32.4
WHOLESALE TRADE	38.7	38.7	38.9	39.0	38.7	38.8	38.7	38.8	39.0	38.9	38.8	38.9	38.7
RETAIL TRADE	30.9	30.9	31.2	31.2	31.1	31.0	31.1	30.9	30.9	31.0	30.9	31.0	30.5
FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.3	36.3	36.7	36.3	36.5	36.6	36.5	36.5	36.6	36.3	36.3	36.2
SERVICES	33.0	32.9	33.0	33.0	32.9	32.8	32.8	32.7	32.8	32.8	32.7	32.6	32.6

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

^Ppreliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

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

(1967=100)

Industry division and group	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^P	Jan. ^P
TOTAL PRIVATE	116.2	117.1	119.1	120.4	120.0	120.6	120.6	120.4	120.8	121.6	122.4	122.9	122.6
GOODS-PRODUCING	99.3	100.9	103.6	106.0	105.1	106.0	106.1	105.4	105.5	106.5	108.0	109.0	108.5
MINING	105.6	106.8	111.3	144.2	143.1	144.0	143.5	145.7	144.4	145.2	148.0	149.9	149.9
CONSTRUCTION	100.3	104.2	111.5	118.8	117.1	122.8	124.2	122.8	122.6	123.8	124.3	126.1	121.9
MANUFACTURING	98.9	100.1	102.0	102.5	101.6	101.7	101.6	101.0	101.2	102.1	103.7	104.5	104.8
DURABLE GOODS	100.5	101.9	103.9	104.2	103.5	103.8	104.0	103.5	103.9	105.5	107.1	108.2	107.9
Lumber and wood products	113.2	114.0	114.3	115.0	111.8	113.6	112.3	110.7	111.6	113.9	115.3	115.8	114.8
Furniture and fixtures	106.1	111.1	112.5	112.5	110.3	109.5	108.3	106.4	106.2	107.5	108.6	109.7	109.7
Stone, clay, and glass products	106.4	108.4	111.0	112.7	111.4	112.4	111.1	109.8	110.1	110.8	112.0	113.3	111.1
Primary metal industries	92.2	93.4	92.8	92.9	93.9	94.1	94.4	95.3	95.5	96.9	99.0	99.2	98.1
Fabricated metal products	99.4	101.4	102.9	103.5	103.3	102.4	102.0	101.8	102.0	103.1	105.2	106.8	106.0
Machinery, except electrical	104.6	107.1	109.4	110.1	109.5	111.3	112.1	110.8	111.5	113.6	114.5	116.5	116.6
Electric and electronic equipment	97.3	98.8	101.2	100.4	99.8	99.8	101.8	101.1	100.1	101.4	102.6	103.2	104.8
Transportation equipment	94.9	93.7	97.2	97.5	96.6	95.8	96.2	96.1	97.7	100.4	102.8	103.9	101.8
Instruments and related products	116.3	117.5	120.5	121.7	120.8	122.4	123.6	123.9	123.9	124.5	125.7	126.6	130.0
Miscellaneous manufacturing ind	97.4	99.0	102.0	102.6	101.5	101.4	99.8	100.6	100.3	100.9	101.8	101.2	104.5
NONDURABLE GOODS	96.5	97.4	99.2	99.9	98.9	98.7	98.1	97.2	97.2	97.2	98.8	99.2	100.2
Food and kindred products	94.5	94.7	96.2	96.4	94.6	94.0	93.6	91.4	91.3	92.2	94.6	95.9	97.9
Tobacco manufactures	77.9	79.4	82.0	80.2	81.5	84.1	78.6	71.5	74.5	73.5	73.5	76.1	78.2
Textile mill products	92.6	92.5	93.7	93.4	92.6	91.8	91.5	91.2	91.8	91.6	92.4	92.5	94.1
Apparel and other textile products	85.6	90.1	91.6	93.2	91.9	91.4	90.1	90.1	90.1	88.7	90.0	90.1	89.3
Paper and allied products	98.7	99.1	101.6	102.4	101.9	101.9	101.9	99.2	99.0	98.2	100.5	100.1	101.4
Printing and publishing	96.7	96.9	99.3	99.1	98.2	98.6	99.1	98.3	97.8	98.5	100.3	100.4	101.1
Chemicals and allied products	104.4	104.8	106.0	106.5	106.9	106.9	106.6	106.0	106.0	106.2	107.2	107.2	108.7
Petroleum and coal products	119.9	119.0	121.3	122.1	118.4	120.4	121.2	123.2	122.7	123.0	124.7	124.2	122.1
Rubber and misc. plastics products	141.0	140.1	144.5	147.3	146.6	147.0	146.2	145.4	145.0	147.0	149.6	152.4	154.1
Leather and leather products	68.0	67.8	69.1	71.3	70.4	70.1	67.1	69.1	69.6	68.8	67.3	66.7	66.8
SERVICE-PRODUCING	127.9	128.4	129.8	130.5	130.5	130.7	130.7	130.8	131.4	132.0	132.3	132.6	132.3
TRANSPORTATION AND PUBLIC UTILITIES	107.0	107.7	109.1	108.7	109.0	109.4	106.5	107.7	108.2	109.9	110.2	111.0	111.7
WHOLESALE AND RETAIL TRADE	123.7	124.2	125.9	126.4	126.8	126.8	127.4	127.2	127.5	128.2	128.4	128.6	127.5
WHOLESALE TRADE	123.1	123.9	125.3	126.0	125.2	126.1	125.7	126.1	127.1	127.4	127.6	128.3	128.0
RETAIL TRADE	123.9	124.4	126.1	126.6	127.3	127.0	128.0	127.7	127.7	128.5	128.7	128.7	127.4
FINANCE, INSURANCE, AND REAL ESTATE	134.3	135.1	135.4	137.5	136.2	137.9	139.0	139.2	139.6	140.5	140.6	141.0	141.7
SERVICES	141.7	141.8	143.3	144.1	143.8	143.9	144.1	144.1	145.1	145.0	145.6	145.7	145.6

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

^Ppreliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

**C-9. Average hourly and weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, seasonally adjusted**

Industry	1978												1979
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. p	Jan. p
Average hourly earnings													
TOTAL PRIVATE	\$5.46	\$5.49	\$5.54	\$5.61	\$5.62	\$5.66	\$5.71	\$5.73	\$5.77	\$5.82	\$5.87	\$5.91	\$5.94
MINING	6.84	6.92	6.94	7.63	7.66	7.71	7.85	7.88	7.88	7.99	8.03	8.05	8.17
CONSTRUCTION	8.30	8.35	8.47	8.47	8.59	8.65	8.66	8.72	8.75	8.77	8.82	8.87	8.94
MANUFACTURING	5.93	5.98	6.01	6.05	6.08	6.12	6.18	6.20	6.25	6.32	6.38	6.43	6.43
TRANSPORTATION AND PUBLIC UTILITIES	7.34	7.38	7.40	7.49	7.50	7.52	7.53	7.58	7.65	7.66	7.68	7.75	7.78
WHOLESALE AND RETAIL TRADE	4.51	4.50	4.55	4.60	4.60	4.63	4.67	4.70	4.73	4.77	4.81	4.83	4.91
FINANCE, INSURANCE, AND REAL ESTATE	4.72	4.71	4.75	4.84	4.84	4.89	4.95	4.92	4.98	5.03	5.06	5.05	5.07
SERVICES	4.86	4.87	4.90	4.95	4.94	4.96	5.01	5.02	5.05	5.10	5.11	5.14	5.21
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	193.83	195.99	199.44	202.52	201.76	203.19	204.99	205.13	206.57	208.94	210.15	212.17	212.06
1967 dollars ²	103.38	103.86	104.86	105.59	104.21	104.04	104.43	103.92	103.91	104.26	104.29	104.62	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) ^{2, 3}	92.41	92.70	93.33	93.76	92.59	92.33	92.55	92.09	91.98	92.14	92.08	92.24	-

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

³ See footnote 2, table C-5.

² A major revision in the CPI was introduced beginning with the January 1978 data (see note on table C-5, and Explanatory Notes).

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		
	NOVEMBER	DECEMBER	JANUARY	Jan. 1978	Nov. 1978	Dec. 1978
	1978	1978	1979	to Jan. 1979	to Dec. 1978	to Jan. 1979
TOTAL	165,193	165,527	165,681	5.0	0.2	0.1
PRIVATE SECTOR	134,220	134,894	134,894	5.5	0.5	0.0
MINING	2,057	2,068	2,042	35.8	0.6	-1.3
CONSTRUCTION	8,328	8,514	8,376	19.2	2.2	-1.6
MANUFACTURING	43,143	43,506	43,579	5.2	0.8	0.2
DURABLE GOODS	26,395	26,660	26,623	6.6	1.0	-0.1
NONDURABLE GOODS	16,747	16,847	16,956	3.0	0.6	0.6
TRANSPORTATION AND PUBLIC UTILITIES	10,272	10,354	10,411	5.4	0.8	0.5
WHOLESALE AND RETAIL TRADE	33,633	33,636	33,608	3.4	0.0	-0.1
FINANCE, INSURANCE, AND REAL ESTATE	9,033	9,050	9,100	5.4	0.2	0.6
SERVICES	27,756	27,765	27,777	3.3	0.0	0.0
GOVERNMENT	30,973	30,633	30,787	2.8	-1.1	0.5

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	IVP
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	118.2	118.7	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	142.2
Hours	112.6	117.1	108.7	109.7	108.3	108.9	110.7	112.9	112.9	115.0	117.6	117.4	118.9
Compensation per hour	213.0	232.9	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	119.2	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	200.9
Unit nonlabor payments	164.7	171.9	158.3	159.0	158.4	160.3	164.0	167.0	167.8	162.1	171.3	174.9	179.3
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	193.4
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	115.8	116.5	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	143.0
Hours	115.4	120.1	110.9	110.9	111.5	113.3	115.5	115.8	116.7	117.8	120.6	120.5	121.9
Compensation per hour	209.3	228.9	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	117.2	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	196.6	167.5	170.1	173.9	176.4	179.8	181.7	184.8	191.7	194.7	198.1	201.3
Unit nonlabor payments	162.6	168.0	155.5	157.4	157.2	157.7	161.7	166.1	165.1	159.2	167.1	171.3	174.6
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	192.2
MANUFACTURING:													
Output per hour of all persons	126.1	129.2	123.3	124.1	123.9	123.7	125.6	127.6	127.5	125.9	128.4	131.7	132.0
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	139.7
Hours	100.6	104.3	96.7	96.7	97.1	99.1	100.7	100.8	101.8	103.1	104.5	104.2	105.8
Compensation per hour	212.2	232.4	193.7	196.9	200.9	205.6	209.7	214.4	218.9	225.0	229.1	234.9	240.1
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	119.0
Unit labor costs	168.3	179.9	157.1	158.7	162.2	166.3	166.9	168.0	171.7	178.8	178.5	178.4	181.9
DURABLE GOODS													
Output per hour of all persons	120.5	123.0	118.6	119.5	118.4	117.9	120.4	121.9	121.6	119.4	122.7	125.7	125.3
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	136.2
Hours	100.8	106.1	95.5	96.1	96.6	98.7	100.5	101.3	102.7	104.1	105.6	106.2	108.7
Compensation per hour	214.3	234.5	195.8	198.5	201.7	207.1	211.8	216.4	221.5	227.0	231.2	237.0	242.2
Real compensation per hour	118.0	120.0	115.6	115.7	116.2	116.9	117.1	118.2	119.6	120.3	119.4	119.9	120.1
Unit labor costs	177.9	190.7	165.1	166.2	170.3	175.7	175.9	177.5	182.2	190.1	188.4	188.5	193.3
NONDURABLE GOODS													
Output per hour of all persons	135.3	139.4	130.9	131.5	132.7	133.1	134.1	136.9	137.3	136.4	137.7	141.6	143.0
Output	135.7	141.8	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	101.6
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	234.4
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	163.3	145.8	147.9	150.5	152.8	153.9	153.8	155.9	162.1	163.3	162.5	163.9
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	116.6	N.A.	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	N.A.	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	N.A.	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	N.A.	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	N.A.	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	N.A.	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	N.A.	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	N.A.	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	N.A.	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	N.A.	161.7	164.2	166.6	168.4	171.8	174.5	176.3	178.6	183.0	186.4	N.A.

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	II 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	II 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	7.1	5.6	6.2	3.7	4.6	4.1	4.9
Hours	-0.1	3.7	4.0	9.2	-0.4	5.0	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	8.7	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	0.3	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	6.5	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	10.2	5.0	5.9	1.1	4.4	4.8	6.8
Implicit price deflator	5.2	4.9	6.7	12.1	7.3	7.7	6.0	5.9	6.3	7.2	7.7	8.4
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	7.1	5.4	6.0	3.8	5.2	4.4	5.3
Hours	1.3	3.0	3.9	9.8	-0.2	4.7	4.4	4.7	3.9	4.5	4.1	4.5
Compensation per hour	8.1	7.6	12.2	8.2	9.6	9.1	7.8	7.6	8.6	9.0	9.4	9.8
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	0.8
Unit labor costs	4.2	7.1	15.7	6.4	7.1	6.7	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	8.0	5.5	5.0	0.9	3.4	3.1	5.8
Implicit price deflator	6.5	4.0	5.8	10.8	8.1	7.1	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	0.8	2.9	2.9	1.8	2.2	3.2	3.5
Output	6.6	4.0	-0.5	14.3	9.6	7.4	7.1	7.9	5.8	6.0	6.7	7.6
Hours	0.1	4.3	4.9	5.6	-1.1	6.5	4.1	4.8	4.0	3.7	3.4	3.9
Compensation per hour	9.2	8.8	11.6	7.4	10.6	9.0	8.9	9.0	9.4	9.2	9.6	9.6
Real compensation per hour	3.9	4.0	3.5	-3.1	1.8	0.6	2.1	2.2	2.7	2.0	1.5	0.7
Unit labor costs	2.5	9.1	17.7	-0.8	-0.2	8.1	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	-1.2	2.0	2.6	1.3	1.9	3.1	3.1
Output	8.3	4.5	-1.5	17.7	12.8	8.4	7.5	9.1	6.9	7.0	8.1	9.1
Hours	3.1	5.7	5.7	5.7	2.3	9.7	5.4	6.3	5.5	5.1	4.8	5.8
Compensation per hour	9.0	9.8	10.4	7.5	10.4	9.2	9.0	9.8	9.6	9.2	9.5	9.4
Real compensation per hour	3.8	4.9	2.4	-3.0	1.7	0.8	2.2	2.9	2.9	1.9	1.4	0.4
Unit labor costs	3.8	11.0	18.5	-3.4	0.2	10.5	6.8	7.0	8.2	7.1	6.2	6.1
NONDURABLE GOODS												
Output per hour of all persons	8.6	1.0	-2.6	3.9	11.8	4.2	4.1	3.5	2.5	2.6	3.4	4.2
Output	4.1	3.2	1.1	9.4	4.9	5.9	6.6	6.2	4.3	4.4	4.6	5.3
Hours	-4.2	2.2	3.8	5.3	-6.2	1.7	2.4	2.7	1.8	1.7	1.2	1.1
Compensation per hour	8.3 ³	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	-0.7	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	3.3	4.0	3.6	6.0	6.1	5.7	5.1
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.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
ALABAMA	\$210.63	\$232.63	\$242.23	41.3	41.1	42.2	\$5.10	\$5.66	\$5.74
Birmingham	248.24	269.07	284.96	41.1	40.1	41.6	6.04	6.71	6.85
Mobile	261.56	275.06	279.05	42.6	41.3	41.9	6.14	6.66	6.66
ALASKA	459.54	381.61	396.98	41.4	41.3	41.7	11.10	9.24	9.52
ARIZONA	235.18	251.13	262.50	40.9	40.9	41.6	5.75	6.14	6.31
Phoenix	234.19	252.76	259.79	40.8	41.1	41.5	5.74	6.15	6.26
Tucson	231.95	227.94	227.94	40.2	38.7	38.7	5.77	5.89	5.89
ARKANSAS	181.25	192.37	197.60	40.1	39.1	40.0	4.52	4.92	4.94
Fayetteville-Springdale	165.24	174.15	173.05	40.7	39.4	38.8	4.06	4.42	4.46
Fort Smith	188.07	195.62	199.53	40.1	39.6	39.2	4.69	4.94	5.09
Little Rock-North Little Rock	213.72	226.16	228.45	41.1	40.1	39.8	5.20	5.64	5.74
Pine Bluff	221.65	257.50	268.39	42.3	41.2	42.4	5.24	6.25	6.33
CALIFORNIA	251.93	268.52	274.18	40.7	40.5	40.8	6.19	6.63	6.72
Anaheim-Santa Ana-Garden Grove	234.02	249.26	248.67	41.2	41.2	40.9	5.68	6.05	6.08
Bakersfield	251.43	279.03	276.32	40.1	39.3	38.7	6.27	7.10	7.14
Fresno	223.86	241.00	237.55	39.0	39.9	38.5	5.74	6.04	6.17
Los Angeles-Long Beach	236.98	251.53	257.51	41.0	41.1	41.4	5.78	6.12	6.22
Modesto	250.72	260.80	265.46	40.9	40.0	40.1	6.13	6.52	6.62
Oxnard-Simi Valley-Ventura	212.67	230.98	229.91	39.9	40.1	39.3	5.33	5.76	5.85
Riverside-San Bernardino-Ontario	251.65	277.26	279.50	40.2	40.3	40.1	6.26	6.88	6.97
Sacramento	267.42	286.89	291.40	39.5	39.3	39.7	6.77	7.30	7.34
Salinas-Seaside-Monterey	242.31	251.54	250.61	39.4	37.6	37.8	6.15	6.69	6.63
San Diego	241.59	245.25	255.84	39.8	38.5	39.3	6.07	6.37	6.51
San Francisco-Oakland	306.59	319.59	328.86	40.5	39.8	40.5	7.57	8.03	8.12
San Jose	269.43	286.82	289.76	40.7	40.8	41.1	6.62	7.03	7.05
Santa Barbara-Santa Maria-Lompoc	220.80	215.94	230.44	40.0	36.6	38.6	5.52	5.90	5.97
Santa Rosa	220.22	235.59	241.42	37.2	37.1	37.9	5.92	6.35	6.37
Stockton	283.68	291.40	296.80	40.7	39.7	40.0	6.97	7.34	7.42
Vallejo-Fairfield-Napa	245.90	282.08	285.53	37.6	38.8	38.9	6.54	7.27	7.34
COLORADO	232.66	250.03	248.04	39.5	39.5	39.0	5.89	6.33	6.36
Denver-Boulder	228.54	250.34	247.89	39.2	39.8	39.1	5.83	6.29	6.34
CONNECTICUT	242.23	260.47	267.46	42.2	42.7	43.0	5.74	6.10	6.22
Bridgeport	249.41	274.74	283.66	43.3	44.1	44.6	5.76	6.23	6.36
Hartford	270.62	292.38	306.40	43.3	44.1	44.6	6.25	6.63	6.87
New Britain	253.97	269.33	278.46	42.9	43.3	44.2	5.92	6.22	6.30
New Haven-West Haven	237.72	265.20	265.64	41.2	42.5	42.3	5.77	6.24	6.28
Stamford	249.37	261.84	264.58	42.7	42.3	42.4	5.84	6.19	6.24
Waterbury	206.24	229.27	233.38	42.7	42.3	42.9	4.83	5.42	5.44
DELAWARE	256.07	270.12	295.07	40.2	39.9	41.5	6.37	6.77	7.11
Wilmington	283.46	297.89	321.98	39.7	39.3	40.5	7.14	7.58	7.95
DISTRICT OF COLUMBIA:									
Washington SMSA	214.27	214.89	215.83	39.1	39.0	39.1	5.48	5.51	5.52
FLORIDA	197.83	212.16	(*)	41.3	41.6	(*)	4.79	5.10	(*)
Fort Lauderdale-Hollywood	193.33	196.58	(*)	40.7	40.2	(*)	4.75	4.89	(*)
Jacksonville	236.49	253.54	(*)	41.2	41.7	(*)	5.74	6.08	(*)
Miami	166.85	184.37	(*)	40.4	40.7	(*)	4.13	4.53	(*)
Orlando	205.50	235.66	(*)	41.1	43.4	(*)	5.00	5.43	(*)
Tallahassee	256.18	282.88	(*)	43.2	44.2	(*)	5.93	6.40	(*)
Tampa-St. Petersburg	203.40	214.53	(*)	42.2	41.9	(*)	4.82	5.12	(*)
West Palm Beach-Boca Raton	247.64	252.15	(*)	44.3	43.7	(*)	5.59	5.77	(*)
GEORGIA	194.52	209.27	216.19	41.3	40.4	41.1	4.71	5.18	5.26
Atlanta	237.80	242.78	258.74	41.5	39.8	41.2	5.73	6.10	6.28
Savannah	254.60	281.67	293.04	43.3	43.4	44.4	5.88	6.49	6.60
HAWAII	226.20	238.70	239.86	39.0	38.5	38.5	5.80	6.20	6.23
Honolulu	223.85	234.74	236.50	38.2	37.8	37.6	5.86	6.21	6.29
IDAHO	255.37	263.59	254.77	40.6	39.4	37.8	6.29	6.69	6.74
Boise City	209.25	260.80	250.80	37.5	40.0	38.0	5.58	6.52	6.60

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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
ILLINOIS	\$270.45	\$280.93	\$285.30	41.3	40.3	40.5	\$6.56	\$6.97	\$7.04
Bloomington—Normal	198.06	260.64	263.40	36.9	42.0	42.2	5.36	6.21	6.24
Champaign—Urbana—Rantoul	252.65	263.85	256.35	39.3	39.6	38.4	6.43	6.66	6.67
Chicago SMSA	268.19	274.80	297.07	41.9	40.7	40.8	6.40	6.75	6.84
Davenport—Rock Island—Moline	278.61	281.40	296.97	40.4	37.4	38.5	6.89	7.52	7.70
Decatur	311.23	328.72	332.59	43.9	43.0	43.3	7.09	7.64	7.67
Peoria	280.89	352.91	353.61	35.5	40.5	40.3	7.91	8.72	8.77
Rockford	293.16	292.57	299.08	44.6	42.8	43.4	6.57	6.84	6.90
Springfield	315.76	320.66	333.90	44.1	42.8	43.7	7.16	7.50	7.64
INDIANA	292.14	305.53	313.08	42.4	41.4	41.8	6.89	7.38	7.49
Gary—Hammond—East Chicago	361.15	407.27	407.11	43.2	41.9	(*)	8.36	9.72	(*)
Indianapolis	302.33	(*)	(*)	43.5	(*)	(*)	6.95	(*)	(*)
IOWA	270.55	293.71	308.76	40.2	40.4	41.5	6.73	7.27	7.44
Cedar Rapids	272.24	305.95	302.43	41.5	42.2	41.6	6.56	7.25	7.27
Des Moines	294.26	301.04	306.11	40.7	39.3	39.6	7.23	7.66	7.73
Dubuque	338.65	342.10	345.54	40.9	40.2	39.4	8.28	8.51	8.77
Sioux City	215.41	291.06	282.63	34.8	43.9	42.5	6.19	6.63	6.65
Waterloo—Cedar Falls	342.38	377.48	478.54	41.4	41.3	50.8	8.27	9.14	9.42
KANSAS	232.96	255.00	263.13	41.6	40.8	41.7	5.60	6.25	6.31
Topeka	245.20	284.34	286.70	40.0	42.0	42.6	6.13	6.77	6.73
Wichita	247.63	282.41	280.87	41.9	41.9	42.3	5.91	6.74	6.64
KENTUCKY	244.58	261.70	270.35	40.9	40.2	40.9	5.98	6.51	6.61
Louisville	290.53	292.53	309.59	42.6	39.8	41.5	6.82	7.35	7.46
LOUISIANA	256.28	275.28	282.01	43.0	41.9	42.6	5.96	6.57	6.62
Baton Rouge	312.33	347.21	340.52	43.5	44.4	43.6	7.18	7.82	7.81
New Orleans	248.66	265.32	265.83	41.1	40.2	40.4	6.05	6.60	6.58
Shreveport	219.86	246.77	262.26	42.2	38.8	41.3	5.21	6.36	6.35
MAINE	191.02	205.74	213.61	40.3	40.5	41.0	4.74	5.08	5.21
Lewiston—Auburn	149.27	166.80	169.02	37.6	38.7	38.5	3.97	4.31	4.39
Portland	192.48	198.90	209.51	40.1	39.7	41.0	4.80	5.01	5.11
MARYLAND	255.56	276.02	281.36	40.5	40.6	41.1	6.31	6.80	6.85
Baltimore	268.21	290.49	298.92	40.7	40.9	41.6	6.59	7.10	7.19
MASSACHUSETTS	217.62	231.99	(*)	40.6	40.7	(*)	5.36	5.70	(*)
Boston	237.15	258.54	(*)	40.4	41.3	(*)	5.87	6.26	(*)
Brockton	168.52	180.30	(*)	38.3	38.2	(*)	4.40	4.72	(*)
Fall River	148.81	162.72	(*)	35.6	36.0	(*)	4.18	4.52	(*)
Lawrence—Haverhill	218.12	219.01	(*)	41.0	38.9	(*)	5.32	5.63	(*)
Lowell	185.54	203.20	(*)	39.9	40.0	(*)	4.65	5.08	(*)
New Bedford	180.18	204.62	(*)	38.5	40.2	(*)	4.68	5.09	(*)
Springfield—Chicopee—Holyoke	230.23	240.78	(*)	42.4	41.3	(*)	5.43	5.83	(*)
Worcester	225.64	243.02	(*)	41.1	41.4	(*)	5.49	5.87	(*)
MICHIGAN	356.85	371.65	(*)	45.2	43.6	(*)	7.90	8.52	(*)
Ann Arbor	398.64	420.78	(*)	45.7	45.5	(*)	8.72	9.25	(*)
Battle Creek	322.95	353.34	352.29	41.8	41.8	42.1	7.73	8.45	8.37
Bay City	373.36	323.59	364.89	49.1	41.9	46.2	7.60	7.72	7.90
Detroit	397.01	404.41	420.66	46.9	44.3	45.6	8.47	9.13	9.23
Flint	405.61	436.76	453.20	47.0	46.4	47.7	8.63	9.41	9.50
Grand Rapids	274.51	287.69	293.39	42.2	41.7	42.1	6.51	6.90	6.97
Jackson	300.69	327.43	(*)	44.2	44.5	(*)	6.80	7.36	(*)
Kalamazoo—Portage	296.02	313.29	(*)	42.3	41.6	(*)	7.00	7.53	(*)
Lansing—East Lansing	296.85	392.94	(*)	39.1	43.4	(*)	7.59	9.05	(*)
Muskegon—Norton Shores—Muskegon Heights	298.59	294.17	(*)	44.4	41.2	(*)	6.73	7.14	(*)
Saginaw	425.97	441.32	(*)	48.9	45.6	(*)	8.71	9.68	(*)
MINNESOTA	252.72	269.87	272.83	40.5	40.4	40.6	6.24	6.68	6.72
Duluth—Superior	244.78	253.37	252.33	41.7	39.1	39.0	5.87	6.48	6.47
Minneapolis—St. Paul	272.74	288.56	293.45	41.2	40.7	41.1	6.62	7.09	7.14
MISSISSIPPI	174.58	189.14	191.76	40.6	40.5	40.8	4.30	4.67	4.70
Jackson	197.66	213.19	217.60	41.7	42.3	42.5	4.74	5.04	5.12

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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
MISSOURI	\$250.08	\$266.02	\$268.79	41.2	40.8	41.1	\$6.07	\$6.52	\$6.54
Kansas City	284.08	296.43	307.55	42.4	41.0	41.9	6.70	7.23	7.34
St. Joseph	224.92	239.98	240.80	40.6	39.6	40.0	5.54	6.06	6.02
St. Louis	293.41	306.91	310.59	42.4	41.7	42.2	6.92	7.36	7.36
Springfield	198.58	217.40	224.56	39.4	39.1	40.1	5.04	5.56	5.60
MONTANA	315.24	344.67	339.15	42.6	43.3	42.5	7.40	7.96	7.98
NEBRASKA	230.57	252.13	254.00	41.1	41.4	41.3	5.61	6.09	6.15
Lincoln	230.84	252.05	259.34	39.8	40.2	41.1	5.80	6.27	6.31
Omaha	256.85	269.51	272.17	41.9	41.4	41.3	6.13	6.51	6.59
NEVADA	256.00	258.52	(*)	40.7	38.7	(*)	6.29	6.68	(*)
Las Vegas	317.87	(*)	(*)	40.7	(*)	(*)	7.81	(*)	(*)
NEW HAMPSHIRE	192.04	206.96	209.71	40.6	40.5	40.8	4.73	5.11	5.14
Manchester	170.68	179.26	182.75	39.6	38.8	39.3	4.31	4.62	4.65
Nashua	221.45	227.42	227.28	42.1	41.2	41.1	5.26	5.52	5.53
NEW JERSEY	251.03	265.43	273.90	41.7	41.8	42.4	6.02	6.35	6.46
Atlantic City	210.79	187.77	204.18	39.4	39.2	41.5	5.35	4.79	4.92
Camden ²	244.73	253.17	263.54	41.2	40.9	41.7	5.94	6.19	6.32
Hackensack ³	237.97	256.08	259.60	42.8	43.7	44.0	5.56	5.86	5.90
Jersey City ³	249.08	264.68	267.15	40.9	41.1	41.1	6.09	6.44	6.50
New Brunswick—Perth Amboy—Sayreville ³	272.19	287.87	289.80	42.2	41.6	41.4	6.45	6.92	7.00
Newark ³	254.75	267.34	274.98	41.9	42.3	43.1	6.08	6.32	6.38
Paterson—Clifton—Passaic ³	241.70	253.57	253.76	41.6	41.5	41.6	5.81	6.11	6.10
Trenton	267.12	270.68	295.24	42.0	41.2	43.1	6.36	6.57	6.85
NEW MEXICO	186.65	197.00	199.64	40.4	39.4	39.3	4.62	5.00	5.08
Albuquerque	188.60	199.10	212.00	41.0	39.9	39.7	4.60	4.99	5.34
NEW YORK	236.19	253.13	(*)	40.1	40.5	(*)	5.89	6.25	(*)
Albany—Schenectady—Troy	265.21	279.39	(*)	41.7	41.7	(*)	6.36	6.70	(*)
Binghamton	214.37	232.82	(*)	40.6	41.5	(*)	5.28	5.61	(*)
Buffalo	318.52	346.01	(*)	42.3	42.3	(*)	7.53	8.18	(*)
Elmira	236.57	255.02	(*)	41.0	41.0	(*)	5.77	6.22	(*)
Monroe County ⁴	315.24	331.19	(*)	42.6	42.9	(*)	7.40	7.72	(*)
Nassau—Suffolk ⁵	223.76	234.77	(*)	40.1	40.2	(*)	5.58	5.84	(*)
New York—Northeastern New Jersey	226.23	239.79	(*)	39.9	40.3	(*)	5.67	5.95	(*)
New York and Nassau—Suffolk ³	205.13	218.27	(*)	38.2	38.7	(*)	5.37	5.64	(*)
New York SMSA ⁵	204.28	214.10	(*)	37.9	38.3	(*)	5.39	5.59	(*)
New York City ⁵	201.00	210.52	(*)	37.5	38.0	(*)	5.36	5.54	(*)
Poughkeepsie	253.58	254.98	(*)	44.1	41.8	(*)	5.75	6.10	(*)
Rochester	295.68	308.98	(*)	42.3	42.5	(*)	6.99	7.27	(*)
Rockland County ⁶	234.97	246.38	(*)	42.8	41.2	(*)	5.49	5.98	(*)
Syracuse	264.99	284.08	(*)	41.6	42.4	(*)	6.37	6.70	(*)
Utica—Rome	232.27	238.32	(*)	41.7	40.6	(*)	5.57	5.87	(*)
Westchester County ⁶	223.67	246.93	(*)	40.3	41.5	(*)	5.55	5.95	(*)
NORTH CAROLINA	171.68	185.78	189.26	40.3	40.3	40.7	4.26	4.61	4.65
Asheville	173.86	191.10	185.23	41.2	42.0	40.8	4.22	4.55	4.54
Charlotte—Gastonia	176.78	191.22	194.32	41.4	41.3	41.7	4.27	4.63	4.66
Greensboro—Winston-Salem—High Point	188.44	202.40	207.65	40.7	40.4	41.2	4.63	5.01	5.04
Raleigh—Durham	191.04	206.96	209.96	39.8	40.5	40.3	4.80	5.11	5.21
NORTH DAKOTA	204.75	223.97	228.74	38.2	39.5	40.2	5.36	5.67	5.69
Fargo—Moorhead	231.27	239.02	245.88	39.0	37.7	38.6	5.93	6.34	6.37
OHIO	302.40	322.06	327.23	43.2	42.6	43.0	7.00	7.56	7.61
Akron	294.37	317.69	325.87	42.6	42.7	43.8	6.91	7.44	7.44
Canton	291.45	319.80	324.66	40.2	41.0	41.2	7.25	7.80	7.88
Cincinnati	285.36	302.32	309.17	43.5	42.7	43.0	6.56	7.08	7.19
Cleveland	314.76	338.43	342.61	43.9	43.5	43.7	7.17	7.78	7.84
Columbus	255.23	273.10	283.04	41.1	40.4	41.2	6.21	6.76	6.87
Dayton	319.56	329.47	340.99	45.2	42.9	44.4	7.07	7.68	7.68
Toledo	328.22	332.28	341.91	44.9	42.6	43.5	7.31	7.80	7.86
Youngstown—Warren	311.54	375.20	364.32	38.7	42.3	41.4	8.05	8.87	8.80

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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
OKLAHOMA	\$225.07	\$246.04	\$249.29	40.7	40.4	40.8	\$5.53	\$6.09	\$6.11
Oklahoma City	224.13	240.19	243.21	41.2	40.3	40.2	5.44	5.96	6.05
Tulsa	242.40	259.60	262.76	40.4	40.0	40.3	6.00	6.49	6.52
OREGON	267.11	289.42	294.36	38.6	38.9	39.3	6.92	7.44	7.49
Eugene—Springfield	296.94	314.34	(*)	40.4	39.0	(*)	7.35	8.06	(*)
Jackson County	274.62	307.72	(*)	39.4	39.2	(*)	6.97	7.85	(*)
Portland	256.51	278.24	(*)	38.4	39.3	(*)	6.68	7.08	(*)
PENNSYLVANIA	245.01	274.07	274.55	40.1	41.4	41.1	6.11	6.62	6.68
Allentown—Bethlehem—Easton	235.55	263.45	261.80	38.3	38.8	38.5	6.15	6.79	6.80
Altoona	182.73	213.01	218.69	35.9	37.7	38.3	5.09	5.65	5.71
Delaware Valley ⁷	251.43	278.12	282.22	40.1	40.9	41.2	6.27	6.80	6.85
Erie	261.88	273.65	275.22	41.9	42.1	41.7	6.25	6.50	6.60
Harrisburg	212.37	242.80	254.34	39.4	40.0	40.5	5.39	6.07	6.28
Johnstown	264.92	288.26	281.39	40.2	40.6	39.8	6.59	7.10	7.07
Lancaster	216.00	239.09	246.69	40.0	40.8	41.6	5.40	5.86	5.93
Northeast Pennsylvania	173.64	192.14	193.26	36.1	37.6	37.6	4.81	5.11	5.14
Philadelphia SMSA	250.67	274.44	278.92	40.3	40.9	41.2	6.22	6.71	6.77
Pittsburgh	304.88	329.54	327.62	41.2	41.4	40.8	7.40	7.96	8.00
Reading	220.56	238.73	241.25	38.9	39.2	39.1	5.67	6.09	6.17
Scranton ⁸	180.05	199.53	204.51	37.2	39.2	40.1	4.84	5.09	5.10
Wilkes-Barre—Hazleton ⁹	169.09	185.49	184.05	35.3	36.3	35.6	4.79	5.11	5.17
Williamsport	216.00	235.22	245.23	40.0	39.6	40.4	5.40	5.94	6.07
York	228.72	250.16	252.88	42.2	42.4	42.5	5.42	5.90	5.95
RHODE ISLAND	177.24	191.84	195.91	39.3	39.8	39.9	4.51	4.82	4.91
Providence—Warwick—Pawtucket	179.84	194.57	198.19	39.7	40.2	40.2	4.53	4.84	4.93
SOUTH CAROLINA	184.23	198.92	203.01	41.4	41.1	41.6	4.45	4.84	4.88
Charleston—North Charleston	212.50	230.03	234.60	42.5	41.9	42.5	5.00	5.49	5.52
Columbia	181.44	193.44	196.34	40.5	40.3	40.4	4.48	4.80	4.86
Greenville—Spartanburg	185.92	196.46	201.06	41.5	41.1	41.8	4.48	4.78	4.81
SOUTH DAKOTA	199.80	226.50	232.09	39.8	42.1	43.3	5.02	5.38	5.36
Rapid City	164.79	228.28	166.11	39.9	43.4	31.4	4.13	5.26	5.29
Sioux Falls	256.67	297.98	297.92	41.6	47.6	48.6	6.17	6.26	6.13
TENNESSEE	202.78	212.50	217.34	41.3	40.4	40.7	4.91	5.26	5.34
Chattanooga	213.95	220.25	226.63	42.2	41.4	42.6	5.07	5.32	5.32
Knoxville	238.21	250.92	258.54	41.5	41.0	41.3	5.74	6.12	6.26
Memphis	234.77	247.46	255.84	41.7	40.7	41.0	5.63	6.08	6.24
Nashville—Davidson	222.86	229.03	232.98	41.5	39.9	40.1	5.37	5.74	5.81
TEXAS	237.87	252.54	255.23	42.1	41.4	41.5	5.65	6.10	6.15
Amarillo	250.09	227.76	233.64	44.5	39.0	39.6	5.62	5.84	5.90
Austin	182.23	200.22	199.66	41.7	42.6	42.3	4.37	4.70	4.72
Beaumont—Port Arthur—Orange	323.87	362.75	374.82	41.1	41.6	42.4	7.88	8.72	8.84
Corpus Christi	259.98	282.24	285.09	42.0	42.0	43.0	6.19	6.72	6.63
Dallas—Fort Worth	222.07	235.91	237.89	41.9	41.1	41.3	5.30	5.74	5.76
El Paso	152.88	177.98	179.28	39.2	41.2	41.5	3.90	4.32	4.32
Galveston—Texas City	360.14	388.33	384.25	43.6	43.1	42.6	8.26	9.01	9.02
Houston	292.83	322.37	323.25	42.5	44.1	44.1	6.89	7.31	7.33
Lubbock	172.22	185.40	186.68	41.3	41.2	41.3	4.17	4.50	4.52
San Antonio	180.62	181.74	178.56	42.4	39.0	38.4	4.26	4.66	4.65
Waco	186.30	213.33	218.82	40.5	40.1	40.9	4.60	5.32	5.35
Wichita Falls	202.78	222.77	224.26	40.8	40.8	40.7	4.97	5.46	5.51
UTAH	214.06	240.13	237.60	40.2	40.7	40.0	5.32	5.90	5.94
Salt Lake City—Ogden	201.20	230.87	234.58	39.8	41.3	41.3	5.06	5.59	5.68
VERMONT	202.70	212.98	222.38	41.2	40.8	41.8	4.92	5.22	5.32
Burlington	233.45	238.29	248.08	42.6	42.4	43.6	5.48	5.62	5.69
Springfield	237.97	244.32	273.50	42.8	41.2	44.4	5.56	5.93	6.16
VIRGINIA ¹	196.34	214.24	218.28	40.4	40.5	40.8	4.86	5.29	5.35
Bristol ¹	175.22	183.38	201.06	39.2	37.5	39.5	4.47	4.89	5.09
Lynchburg ¹	194.31	226.68	211.45	39.9	41.9	40.9	4.87	5.41	5.17
Norfolk—Virginia Beach—Portsmouth ¹	230.45	235.01	258.76	41.9	39.9	42.7	5.50	5.89	6.06
Northern Virginia ¹ ¹⁰	220.05	247.66	249.48	40.6	40.8	41.1	5.42	6.07	6.07
Petersburg-Colonial Heights-Hopewell ¹	237.19	249.85	261.86	39.4	39.1	42.1	6.02	6.39	6.22

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		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
VIRGINIA—Continued									
Richmond ¹	\$233.69	\$258.26	\$264.32	40.5	40.8	41.3	\$5.77	\$6.33	\$6.40
Roanoke ¹	177.02	191.50	197.14	40.6	40.4	40.9	4.36	4.74	4.82
WASHINGTON	286.16	301.41	(*)	39.8	39.4	(*)	7.19	7.65	(*)
Seattle—Everett	292.07	313.58	(*)	39.9	40.1	(*)	7.32	7.82	(*)
Spokane	242.87	272.16	(*)	39.3	39.5	(*)	6.18	6.89	(*)
Tacoma	287.03	311.63	(*)	39.7	39.8	(*)	7.23	7.83	(*)
WEST VIRGINIA	250.34	281.99	285.11	39.8	40.4	40.1	6.29	6.98	7.11
Charleston	291.48	317.86	312.28	42.0	42.1	42.2	6.94	7.55	7.40
Huntington—Ashland	270.09	303.20	309.25	39.2	40.0	39.8	6.89	7.58	7.77
Parkersburg—Marietta	271.58	300.96	293.34	40.9	41.8	41.2	6.64	7.20	7.12
Wheeling	269.43	299.80	314.06	40.7	40.9	41.0	6.62	7.33	7.66
WISCONSIN	265.34	285.79	291.30	41.0	41.1	41.5	6.47	6.95	7.01
Appleton—Oshkosh	261.90	277.44	284.39	42.7	42.0	42.7	6.14	6.61	6.67
Eau Claire	257.87	264.07	284.41	41.0	39.4	41.1	6.29	6.71	6.92
Green Bay	270.70	295.22	298.07	42.5	42.7	42.9	6.38	6.91	6.95
Kenosha	297.70	325.83	321.21	39.4	40.2	39.7	7.55	8.10	8.10
La Crosse	224.26	225.70	238.65	40.7	40.1	41.2	5.51	5.62	5.80
Madison	280.13	275.24	283.29	40.3	39.4	40.1	6.95	6.98	7.07
Milwaukee	292.39	315.13	323.81	41.4	41.4	42.1	7.07	7.60	7.70
Racine	294.82	297.48	310.11	42.1	40.6	41.5	7.00	7.33	7.47
WYOMING	231.47	229.82	236.07	39.5	37.8	38.7	5.86	6.08	6.10
Casper	274.77	271.16	268.19	38.7	38.3	37.3	7.10	7.08	7.19
Cheyenne	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

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

² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

³ Subarea of New York-Northeastern New Jersey.

⁴ Subarea of Rochester Standard Metropolitan Statistical Area.

⁵ Area included in New York and Nassau-Suffolk combined SMSA's.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁸ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

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

¹⁰ 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 ^p	3.8	3.2	3.7	4.0	4.7	4.8	4.3	5.3	4.8	4.3	3.3	2.4 ^p
1979													
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 ^p	2.5	2.2	2.7	2.9	3.6	3.9	3.3	4.1	3.9	3.5	2.6	1.7 ^p
1979													
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 ^p	1.0	.7	.8	.8	.8	.7	.8	.9	.7	.5	.5	.5 ^p
1979													
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 ^p	3.6	3.1	3.5	3.6	3.6	3.8	4.1	5.2	4.8	4.0	3.5	3.3 ^p
1979													
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 ^p	1.5	1.4	1.8	2.0	2.1	2.2	2.1	3.4	3.0	2.3	1.7	1.3 ^p
1979													
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 ^p	1.2	.9	.9	.7	.7	.7	1.0	.7	.8	.9	1.0	1.3 ^p
1979													

p-preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates by industry

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P
-	MANUFACTURING	3.3	2.4	2.6	1.7	0.5	0.5	3.5	3.3	1.7	1.3	1.0	1.3
24, 25, 32-39	DURABLE GOODS	3.1	2.2	2.4	1.6	.4	.4	3.0	2.9	1.5	1.1	.7	1.0
20-23, 26-31	NONDURABLE GOODS	3.6	2.6	2.8	1.9	.7	.6	4.2	4.0	2.1	1.6	1.3	1.7
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	4.6	3.2	4.0	2.6	.4	.4	4.9	4.8	3.0	2.3	.8	1.7
242	Sawmills and planing mills	3.6	-	3.1	-	.3	-	3.8	-	2.3	-	.6	-
2421	Sawmills and planing mills, general	3.1	-	2.7	-	.3	-	3.4	-	1.9	-	.7	-
243	Millwork, plywood, and structural members	4.8	-	4.2	-	.4	-	4.7	-	3.0	-	.6	-
2431	Millwork	4.1	-	3.6	-	.4	-	4.2	-	2.6	-	.7	-
244	Wooden containers	8.3	-	7.5	-	.3	-	8.2	-	6.4	-	.9	-
245	Wood buildings and mobile homes	7.3	-	6.3	-	.9	-	8.5	-	5.1	-	1.5	-
2451	Mobile homes	8.5	-	8.0	-	.4	-	9.8	-	6.2	-	1.1	-
249	Miscellaneous wood products	4.3	-	3.8	-	.3	-	4.0	-	2.8	-	.4	-
25	FURNITURE AND FIXTURES	5.0	3.2	4.4	2.5	.4	.4	5.1	3.8	3.2	2.0	.7	.9
251	Household furniture	5.3	-	4.8	-	.4	-	5.4	-	3.6	-	.6	-
2511	Wood household furniture	5.7	-	5.3	-	.1	-	5.3	-	3.9	-	.2	-
2512	Upholstered household furniture	4.7	-	4.3	-	.2	-	5.1	-	3.3	-	.8	-
2515	Mattresses and bedsprings	4.2	-	3.7	-	.5	-	6.0	-	3.3	-	1.1	-
252	Office furniture	3.1	-	2.7	-	.2	-	2.7	-	1.8	-	.1	-
254	Partitions and fixtures	4.8	-	4.4	-	.4	-	6.4	-	3.1	-	2.1	-
32	STONE, CLAY, AND GLASS PRODUCTS	2.8	2.2	2.3	1.6	.3	.4	3.5	4.7	1.6	1.3	1.1	2.6
322	Glass and glassware, pressed or blown	1.6	-	1.0	-	.4	-	2.5	-	.8	-	.9	-
3221	Glass containers	1.5	-	.9	-	.3	-	2.4	-	.9	-	.9	-
3229	Pressed and blown glass, nec	1.8	-	1.0	-	.4	-	2.5	-	.7	-	.8	-
323	Products of purchased glass	3.0	-	2.3	-	.6	-	3.6	-	1.6	-	1.1	-
324	Cement, hydraulic .....	.8	-	.7	-	(1)	-	.9	-	.3	-	.1	-
325	Structural clay products	4.6	-	4.1	-	.4	-	4.4	-	3.0	-	.3	-
326	Pottery and related products	3.4	-	3.1	-	.2	-	2.9	-	2.0	-	.2	-
327	Concrete, gypsum, and plaster products	3.5	-	3.1	-	.3	-	5.4	-	2.2	-	2.3	-
329	Misc. nonmetallic mineral products	2.7	-	2.3	-	.3	-	2.2	-	1.1	-	.4	-
33	PRIMARY METAL INDUSTRIES	2.3	1.7	1.4	1.0	.6	.5	2.1	1.8	.8	.6	.6	.6
331	Blast furnace and basic steel products	1.7	-	.5	-	.9	-	1.9	-	.3	-	.8	-
3312	Blast furnaces and steel mills	1.6	-	.4	-	.9	-	1.7	-	.2	-	.8	-
332	Iron and steel foundries	3.2	-	2.5	-	.5	-	3.0	-	1.4	-	.5	-
3321	Gray iron foundries	3.0	-	2.5	-	.3	-	3.0	-	1.4	-	.6	-
3325	Steel foundries, nec	3.3	-	2.3	-	.9	-	3.0	-	1.2	-	.7	-
333	Primary nonferrous metals .....	.9	-	.7	-	.1	-	1.0	-	.3	-	.3	-
335	Nonferrous rolling and drawing	2.1	-	1.6	-	.2	-	1.4	-	.7	-	.2	-
3351	Copper rolling and drawing	1.9	-	1.7	-	.1	-	1.6	-	.9	-	.2	-
3353	Aluminum sheet, plate, and foil	1.4	-	.8	-	.4	-	.8	-	.2	-	.2	-
3357	Nonferrous wire drawing and insulating	1.7	-	1.4	-	.1	-	1.2	-	.6	-	.2	-
336	Nonferrous foundries	4.3	-	3.4	-	.5	-	3.4	-	1.8	-	.3	-
3361	Aluminum foundries	3.8	-	3.2	-	.3	-	2.9	-	1.6	-	.2	-
34	FABRICATED METAL PRODUCTS	3.4	2.4	2.8	1.8	.4	.4	3.6	3.3	1.8	1.4	1.0	1.1
341	Metal cans and shipping containers	3.7	-	1.2	-	2.1	-	5.8	-	.7	-	4.3	-
3411	Metal cans	3.7	-	.8	-	2.4	-	6.3	-	.4	-	5.1	-
342	Cutlery, hand tools, and hardware	3.3	-	2.9	-	.2	-	3.1	-	1.9	-	.3	-
3423, 5	Hand and edge tools, and hand saws and blades	2.8	-	2.5	-	.1	-	3.0	-	1.7	-	.4	-
3429	Hardware, nec	3.8	-	3.4	-	.2	-	3.2	-	2.1	-	.2	-
343	Plumbing and heating, except electric	3.8	-	3.1	-	.7	-	3.8	-	1.5	-	1.3	-
344	Fabricated structural metal products	3.7	-	3.2	-	.3	-	4.0	-	2.1	-	1.0	-
3441	Fabricated structural metal	4.1	-	3.6	-	.4	-	4.6	-	2.2	-	1.4	-
3442	Metal doors, sash, and trim	5.1	-	4.5	-	.5	-	5.7	-	3.3	-	1.3	-
3443	Fabricated plate work (boiler shops)	2.2	-	2.0	-	.2	-	2.4	-	1.1	-	.6	-
3444	Sheet metal work	4.0	-	3.6	-	.3	-	4.1	-	2.1	-	1.2	-
345	Screw machine products, bolts, etc.	3.6	-	3.4	-	.2	-	2.8	-	1.8	-	.2	-
3451	Screw machine products	4.3	-	4.2	-	.1	-	3.1	-	2.3	-	.2	-
3452	Bolts, nuts, rivets, and washers	3.0	-	2.7	-	.2	-	2.4	-	1.4	-	.2	-
346	Metal forgings and stampings	2.6	-	1.9	-	.3	-	2.9	-	1.2	-	1.0	-
3462	Iron and steel forgings	2.3	-	1.9	-	.1	-	1.5	-	.9	-	.1	-
3465	Automotive stampings	2.1	-	1.0	-	.4	-	2.8	-	.8	-	1.3	-
3469	Metal stampings, nec	3.2	-	2.8	-	.3	-	3.7	-	1.8	-	1.0	-
347	Metal services, nec	4.8	-	4.2	-	.4	-	5.5	-	3.0	-	1.0	-
348	Ordnance and accessories, nec	1.4	-	1.1	-	.2	-	1.2	-	.6	-	.3	-
349	Misc. fabricated metal products	3.3	-	2.9	-	.2	-	3.3	-	1.9	-	.7	-
3494	Valves and pipe fittings	2.4	-	2.1	-	.1	-	2.1	-	1.1	-	.4	-
3496	Misc. fabricated wire products	5.0	-	4.6	-	.2	-	4.5	-	3.4	-	.5	-

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	
		Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P
35	MACHINERY, EXCEPT ELECTRICAL	2.7	2.0	2.2	1.7	0.2	0.2	2.1	1.8	1.1	0.9	0.3	0.3
351	Engines and turbines	1.7	—	.9	—	.1	—	1.9	—	.4	—	.5	—
3511	Turbines and turbine generator sets	1.5	—	.7	—	(^b)	—	2.0	—	.2	—	.6	—
3519	Internal combustion engines, nec	1.9	—	1.0	—	.1	—	1.9	—	.4	—	.4	—
352	Farm and garden machinery	3.8	—	2.8	—	.5	—	3.0	—	1.2	—	1.0	—
3523	Farm machinery and equipment	3.6	—	2.5	—	.6	—	3.0	—	1.1	—	1.1	—
353	Construction and related machinery	2.4	—	2.1	—	.1	—	1.7	—	.9	—	.2	—
3531	Construction machinery	1.9	—	1.6	—	.1	—	1.3	—	.7	—	.1	—
3533	Oil field machinery	3.2	—	3.0	—	.1	—	2.0	—	1.2	—	.1	—
354	Metalworking machinery	2.4	—	2.1	—	.2	—	1.9	—	1.1	—	.3	—
3541	Machine tools, metal cutting types	1.8	—	1.6	—	.1	—	1.4	—	.8	—	.1	—
3544	Special dies, tools, jigs, and fixtures	2.8	—	2.3	—	.3	—	2.3	—	1.2	—	.3	—
3545	Machine tool accessories	2.8	—	2.6	—	.1	—	2.1	—	1.3	—	.1	—
355	Special industry machinery	2.1	—	1.9	—	.1	—	1.8	—	1.0	—	.3	—
3551	Food products machinery	2.2	—	2.0	—	.1	—	1.6	—	1.0	—	.1	—
3552	Textile machinery	2.7	—	2.2	—	.2	—	2.3	—	1.3	—	.2	—
356	General industrial machinery	2.2	—	1.7	—	.2	—	1.8	—	.9	—	.2	—
3561	Pumps and pumping equipment	1.9	—	1.7	—	.1	—	1.7	—	1.0	—	.1	—
3562	Ball and roller bearings	2.1	—	1.4	—	.2	—	1.4	—	.6	—	.1	—
3564	Blowers and fans	2.4	—	2.0	—	.2	—	2.1	—	1.1	—	.3	—
357	Office and computing machines	2.7	—	2.4	—	.1	—	1.9	—	1.2	—	.1	—
3573	Electronic computing equipment	2.8	—	2.6	—	.1	—	1.6	—	1.1	—	(^b)	—
358	Refrigeration and service machinery	2.7	—	2.2	—	.3	—	2.4	—	1.2	—	.5	—
3585	Refrigeration and heating equipment	2.8	—	2.1	—	.4	—	2.5	—	1.2	—	.5	—
359	Misc. machinery, except electrical	4.0	—	3.6	—	.3	—	3.6	—	2.1	—	.7	—
36	ELECTRIC AND ELECTRONIC EQUIPMENT	3.0	2.1	2.3	1.5	.3	.2	2.7	2.4	1.3	1.1	.5	.5
361	Electric distributing equipment	2.9	—	1.9	—	.4	—	2.7	—	1.3	—	.3	—
3612	Transformers	2.7	—	1.9	—	.1	—	3.0	—	1.5	—	.3	—
3613	Switchgear and switchboard apparatus	3.0	—	1.9	—	.5	—	2.5	—	1.1	—	.2	—
362	Electrical industrial apparatus	2.4	—	1.9	—	.2	—	2.2	—	1.0	—	.5	—
3621	Motors and generators	2.3	—	1.7	—	.3	—	2.2	—	1.0	—	.6	—
3622	Industrial controls	2.2	—	1.7	—	.3	—	2.2	—	.9	—	.6	—
363	Household appliances	3.1	—	1.9	—	.6	—	3.7	—	1.4	—	1.0	—
3632	Household refrigerators and freezers	2.4	—	.3	—	1.0	—	3.6	—	.6	—	1.5	—
3633	Household laundry equipment	1.0	—	.2	—	.2	—	3.1	—	.3	—	2.2	—
3634	Electric housewares and fans	5.4	—	4.3	—	.6	—	4.4	—	3.0	—	.4	—
364	Electric lighting and wiring equipment	3.3	—	2.7	—	.3	—	2.7	—	1.5	—	.4	—
3641	Electric lamps	2.2	—	1.5	—	.2	—	1.6	—	.5	—	.1	—
3643	Current-carrying wiring devices	3.1	—	2.6	—	.3	—	2.4	—	1.4	—	.4	—
365	Radio and TV receiving equipment	5.1	—	3.3	—	.7	—	5.9	—	2.2	—	1.9	—
3651	Radio and TV receiving sets	5.3	—	3.3	—	.9	—	6.0	—	2.3	—	1.9	—
366	Communication equipment	2.1	—	1.6	—	.2	—	1.5	—	.8	—	.1	—
3661	Telephone and telegraph apparatus	1.4	—	1.0	—	.2	—	1.0	—	.5	—	(^b)	—
3662	Radio and TV communication equipment	2.4	—	1.8	—	.1	—	1.7	—	.9	—	.2	—
367	Electronic components and accessories	3.8	—	3.2	—	.4	—	3.1	—	1.9	—	.3	—
3671-3	Electronic tubes	2.4	—	1.4	—	.1	—	2.1	—	.7	—	.3	—
3674	Semiconductors and related devices	2.7	—	2.2	—	.4	—	2.0	—	1.2	—	.1	—
3679	Electronic components, nec	4.9	—	4.4	—	.3	—	4.0	—	2.5	—	.5	—
369	Misc. electrical equipment and supplies	2.3	—	1.8	—	.2	—	2.5	—	1.1	—	.7	—
3694	Engine electrical equipment	1.9	—	1.5	—	.3	—	2.2	—	1.0	—	.5	—
37	TRANSPORTATION EQUIPMENT	2.8	—	1.8	—	.6	—	2.4	—	1.0	—	.7	—
371	Motor vehicles and equipment	2.3	—	1.3	—	.5	—	2.2	—	.9	—	.5	—
3711	Motor vehicles and car bodies	1.8	—	.7	—	.4	—	2.2	—	.8	—	.6	—
3713	Truck and bus bodies	2.5	—	2.2	—	.3	—	3.6	—	1.6	—	1.1	—
3714	Motor vehicle parts and accessories	2.5	—	1.5	—	.6	—	2.0	—	.7	—	.4	—
3715	Truck trailers	5.1	—	4.5	—	.3	—	4.6	—	2.5	—	.2	—
372	Aircraft and parts	2.4	—	1.9	—	.2	—	1.2	—	.6	—	.1	—
3721	Aircraft	2.2	—	1.7	—	.2	—	1.0	—	.5	—	.1	—
3724	Aircraft engines and engine parts	2.2	—	1.7	—	(^b)	—	1.1	—	.4	—	(^b)	—
3728	Aircraft equipment, nec	3.3	—	3.0	—	.1	—	2.1	—	1.3	—	.2	—
373	Ship and boat building and repairing	5.1	—	2.8	—	2.2	—	5.6	—	1.9	—	2.7	—
3731	Ship building and repairing	5.1	—	2.3	—	2.7	—	5.8	—	1.5	—	3.4	—
3732	Boat building and repairing	5.2	—	4.7	—	.4	—	4.9	—	3.2	—	.4	—
374	Railroad equipment	3.1	—	1.4	—	1.1	—	2.5	—	.5	—	.7	—
376	Guided missiles, space vehicles, parts	2.4	—	1.0	—	.7	—	1.0	—	.5	—	.2	—
3761	Guided missiles and space vehicles	2.7	—	1.0	—	.9	—	1.0	—	.5	—	.2	—
379	Miscellaneous transportation equipment	6.2	—	5.4	—	.6	—	5.3	—	3.2	—	.9	—
38	INSTRUMENTS AND RELATED PRODUCTS	2.7	2.0	2.3	1.6	.2	.2	2.2	2.1	1.3	1.0	.3	.3
381	Engineering and scientific instruments	2.4	—	2.2	—	.1	—	1.8	—	1.2	—	.1	—
382	Measuring and controlling devices	2.7	—	2.2	—	.2	—	2.0	—	1.1	—	.3	—
3822	Environmental controls	2.5	—	1.6	—	.5	—	2.1	—	.9	—	.5	—
3823	Process control instruments	2.9	—	2.6	—	.1	—	1.6	—	.9	—	.1	—
3825	Instruments to measure electricity	2.5	—	2.2	—	(^b)	—	2.2	—	1.3	—	.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	
		Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P	Nov. 1978	Dec. 1978 ^P
	INSTRUMENTS AND RELATED PRODUCTS—Cont'd												
383	Optical instruments and lenses	2.4	—	2.2	—	(¹)	—	1.7	—	1.2	—	0.1	—
384	Medical instruments and supplies	3.6	—	3.3	—	0.2	—	2.4	—	1.6	—	.2	—
3841	Surgical and medical instruments	5.0	—	4.7	—	.2	—	2.7	—	1.8	—	.2	—
3842	Surgical appliances and supplies	2.6	—	2.3	—	.2	—	2.4	—	1.7	—	.2	—
385	Ophthalmic goods	2.9	—	2.2	—	.4	—	3.5	—	1.7	—	1.0	—
386	Photographic equipment and supplies	1.9	—	1.6	—	.2	—	1.4	—	.8	—	.2	—
387	Watches, clocks, and watchcases	3.7	—	2.8	—	.3	—	5.4	—	2.1	—	2.0	—
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	3.9	2.7	3.3	1.8	.4	0.7	6.8	7.7	2.5	1.8	3.0	4.7
391	Jewelry, silverware, and plated ware	3.8	—	3.3	—	.4	—	5.0	—	2.1	—	1.8	—
393	Musical instruments	4.2	—	3.7	—	.3	—	4.0	—	2.7	—	.5	—
394	Toys and sporting goods	4.5	—	3.6	—	.5	—	13.4	—	3.1	—	8.1	—
3942.4	Dolls, games, toys, and children's vehicles	5.5	—	4.6	—	.6	—	21.6	—	4.0	—	14.3	—
3949	Sporting and athletic goods, nec	3.5	—	2.7	—	.5	—	5.1	—	2.1	—	1.8	—
395	Pens, pencils, office and art supplies	3.0	—	2.7	—	.1	—	2.7	—	1.7	—	.2	—
396	Costume jewelry and notions	4.1	—	3.5	—	.5	—	5.8	—	3.4	—	1.3	—
399	Miscellaneous manufactures	3.6	—	3.1	—	.3	—	4.4	—	2.0	—	1.5	—
	NONDURABLE GOODS												
20	FOOD AND KINDRED PRODUCTS	4.9	3.9	3.5	2.6	1.2	1.1	6.4	6.3	2.9	2.2	2.8	3.4
201	Meat products	6.2	—	4.7	—	1.1	—	5.9	—	3.9	—	1.2	—
2011	Meat packing plants	4.0	—	2.4	—	1.1	—	3.8	—	1.5	—	1.6	—
2013	Sausages and other prepared meats	4.2	—	2.2	—	1.8	—	4.2	—	1.7	—	1.8	—
2016	Poultry dressing plants	10.8	—	9.6	—	.7	—	10.3	—	8.8	—	.4	—
202	Dairy products	2.8	—	2.3	—	.3	—	3.7	—	2.0	—	.9	—
203	Preserved fruits and vegetables	8.5	—	4.9	—	3.4	—	14.4	—	4.5	—	8.9	—
204	Grain mill products	3.5	—	3.0	—	.4	—	4.6	—	2.2	—	1.7	—
205	Bakery products	2.5	—	2.1	—	.4	—	3.0	—	1.8	—	.7	—
2051	Bread, cake, and related products	2.4	—	2.1	—	.2	—	2.7	—	1.8	—	.4	—
2052	Cookies and crackers	3.2	—	1.9	—	1.1	—	4.5	—	1.4	—	2.5	—
206	Sugar and confectionery products	6.5	—	4.2	—	2.0	—	8.7	—	2.7	—	5.1	—
207	Fats and oils	3.9	—	2.6	—	.6	—	3.2	—	1.7	—	.9	—
208	Beverages	3.9	—	2.5	—	1.2	—	4.2	—	1.9	—	1.8	—
2082	Malt beverages	3.6	—	1.1	—	2.3	—	3.7	—	.4	—	2.9	—
2086	Bottled and canned soft drinks	3.9	—	3.5	—	.3	—	3.6	—	2.7	—	.3	—
209	Misc. foods and kindred products	4.8	—	3.8	—	.8	—	8.6	—	3.3	—	4.6	—
21	TOBACCO MANUFACTURES	3.6	—	1.5	—	1.8	—	4.3	—	1.0	—	2.7	—
211	Cigarettes	1.4	—	.6	—	.3	—	.9	—	.2	—	.2	—
22	TEXTILE MILL PRODUCTS	4.0	2.4	3.2	2.0	.5	.3	4.3	3.4	2.5	1.8	.8	.8
221	Weaving mills, cotton	3.7	—	2.9	—	.3	—	3.6	—	2.4	—	.2	—
222	Weaving mills, synthetics	4.1	—	3.5	—	.2	—	3.7	—	2.6	—	.2	—
223	Weaving and finishing mills, wool	4.9	—	4.0	—	.6	—	4.5	—	2.9	—	.7	—
224	Narrow fabric mills	4.2	—	3.4	—	.6	—	3.8	—	2.5	—	.7	—
225	Knitting mills	3.9	—	3.1	—	.6	—	5.7	—	2.7	—	2.1	—
2251	Women's hosiery, except socks	5.7	—	5.1	—	.5	—	4.5	—	3.2	—	.4	—
2252	Hosiery, nec	4.1	—	3.6	—	.4	—	4.3	—	3.2	—	.4	—
2253	Knit outerwear mills	3.4	—	2.7	—	.7	—	7.1	—	2.5	—	3.8	—
2254	Knit underwear mills	3.8	—	3.2	—	.4	—	5.1	—	3.2	—	.9	—
2257	Circular knit fabric mills	3.5	—	2.5	—	.9	—	5.6	—	2.5	—	2.2	—
226	Textile finishing, except wool	3.1	—	2.3	—	.5	—	2.9	—	1.6	—	.5	—
227	Floor covering mills	3.2	—	2.8	—	.3	—	3.2	—	2.0	—	.3	—
228	Yarn and thread mills	5.3	—	4.5	—	.5	—	4.9	—	3.4	—	.4	—
229	Miscellaneous textile goods	3.4	—	2.8	—	.5	—	3.5	—	1.9	—	.8	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	4.4	2.9	3.2	1.7	1.0	1.0	5.2	5.1	2.7	1.9	1.7	2.5
231	Men's and boys' suits and coats	3.4	—	1.8	—	1.3	—	4.0	—	1.5	—	1.7	—
232	Men's and boys' furnishings	4.0	—	3.1	—	.7	—	5.0	—	3.1	—	1.3	—
2321	Men's and boys' shirts and nightwear	3.9	—	2.8	—	.7	—	4.3	—	2.9	—	.6	—
2327	Men's and boys' separate trousers	3.9	—	3.0	—	.7	—	3.5	—	2.8	—	.4	—
2328	Men's and boys' work clothing	5.1	—	4.2	—	.7	—	5.2	—	4.3	—	.4	—
233	Women's and misses' outerwear	4.3	—	2.8	—	1.3	—	5.7	—	2.2	—	2.7	—
234	Women's and children's undergarments	3.9	—	3.3	—	.5	—	4.8	—	3.2	—	.9	—
2341	Women's and children's underwear	3.6	—	3.0	—	.5	—	5.1	—	3.5	—	.9	—
2342	Brassieres and allied garments	4.8	—	4.3	—	.4	—	3.6	—	2.0	—	.5	—
236	Children's outerwear	4.6	—	3.3	—	1.0	—	5.4	—	2.8	—	1.5	—
238	Misc. apparel and accessories	4.1	—	3.2	—	.6	—	5.0	—	2.7	—	1.7	—
239	Misc. fabricated textile products	5.7	—	4.7	—	.8	—	5.6	—	3.0	—	1.2	—
26	PAPER AND ALLIED PRODUCTS	2.1	1.7	1.6	1.2	.3	.4	2.4	2.5	1.1	.9	.6	1.1
261,2,6	Paper and pulp mills	1.1	—	.8	—	.2	—	1.3	—	.5	—	.4	—
262	Paper mills, except building paper	1.0	—	.7	—	.2	—	1.2	—	.4	—	.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	
		Nov. 1978	Dec. 1978 ^p	Nov. 1978	Dec. 1978 ^p	Nov. 1978	Dec. 1978 ^p	Nov. 1978	Dec. 1978 ^p	Nov. 1978	Dec. 1978 ^p	Nov. 1978	Dec. 1978 ^p
PAPER AND ALLIED PRODUCTS—Continued													
263	Paperboard mills	1.4	-	1.0	-	0.1	-	1.4	-	0.7	-	0.2	-
264	Misc. converted paper products	2.6	-	2.0	-	.3	-	3.0	-	1.5	-	.8	-
265	Paperboard containers and boxes	2.7	-	2.2	-	.4	-	3.1	-	1.5	-	.8	-
2651	Folding paperboard boxes	2.5	-	2.0	-	.4	-	3.1	-	1.4	-	.8	-
2653	Corrugated and solid fiber boxes	2.4	-	2.1	-	.2	-	2.9	-	1.4	-	.6	-
27	PRINTING AND PUBLISHING												
271	Newspapers	3.3	2.6	2.8	2.0	.4	0.4	2.9	2.9	1.9	1.6	.5	0.8
272	Periodicals	3.7	-	3.4	-	.2	-	3.0	-	2.4	-	.1	-
273	Books	2.8	-	2.5	-	.2	-	2.3	-	1.7	-	.1	-
274	Miscellaneous publishing	3.9	-	2.5	-	1.3	-	2.3	-	1.3	-	.4	-
275	Commercial printing	3.6	-	3.1	-	.5	-	3.1	-	1.5	-	.7	-
2751	Commercial printing, letterpress	3.0	-	2.4	-	.5	-	2.9	-	1.5	-	.9	-
2752	Commercial printing, lithographic	3.2	-	2.5	-	.6	-	3.4	-	1.8	-	1.1	-
278	Blankbooks and bookbinding	3.0	-	2.5	-	.4	-	2.6	-	1.3	-	.8	-
278	Blankbooks and bookbinding	3.0	-	2.4	-	.6	-	3.9	-	2.2	-	1.1	-
28	CHEMICALS AND ALLIED PRODUCTS												
281	Industrial inorganic chemicals	1.3	1.1	1.0	.9	.2	.1	1.4	1.5	.6	.5	.4	.4
2819	Industrial inorganic chemicals, nec	1.0	-	.8	-	.1	-	1.0	-	.3	-	.2	-
282	Plastics materials and synthetics	.8	-	.6	-	.1	-	.8	-	.3	-	.1	-
2821	Plastics materials and resins	.9	-	.7	-	.2	-	.8	-	.4	-	.1	-
2824	Organic fibers, noncellulosic	1.3	-	1.1	-	.1	-	1.2	-	.5	-	.2	-
283	Drugs	.6	-	.4	-	.1	-	.5	-	.2	-	(¹)	-
2834	Pharmaceutical preparations	1.2	-	1.0	-	.1	-	1.1	-	.5	-	.2	-
284	Soap, cleaners, and toilet goods	1.3	-	1.1	-	.1	-	1.1	-	.6	-	.2	-
2841	Soap and other detergents	2.6	-	1.7	-	.6	-	2.6	-	.8	-	1.3	-
2844	Toilet preparations	1.5	-	.9	-	.5	-	1.7	-	.6	-	.8	-
285	Paints and allied products	3.5	-	1.9	-	1.1	-	3.6	-	.8	-	2.2	-
286	Industrial organic chemicals	1.7	-	1.5	-	.1	-	2.4	-	1.1	-	.8	-
287	Agricultural chemicals	.8	-	.6	-	.1	-	.8	-	.4	-	.1	-
289	Miscellaneous chemical products	1.8	-	1.5	-	.2	-	1.9	-	1.0	-	.4	-
289	Miscellaneous chemical products	1.7	-	1.4	-	.2	-	1.9	-	.9	-	.5	-
29	PETROLEUM AND COAL PRODUCTS												
291	Petroleum refining	1.3	1.4	1.1	1.0	.1	.1	2.0	2.1	.6	.6	.7	1.0
295	Paving and roofing materials	.9	-	.8	-	(¹)	-	1.1	-	.3	-	.3	-
30	RUBBER AND MISC. PLASTICS PRODUCTS												
301	Tires and inner tubes	2.7	-	2.4	-	.1	-	5.9	-	1.8	-	2.8	-
302	Rubber and plastics footwear	4.2	2.6	3.4	2.0	.5	.3	4.4	3.4	2.4	1.6	1.0	.9
303.4	Reclaimed rubber, and rubber and plastics hose and belting	1.4	-	.8	-	.1	-	1.8	-	.5	-	.8	-
306	Fabricated rubber products, nec	7.1	-	5.3	-	1.4	-	6.4	-	5.1	-	.2	-
307	Miscellaneous plastics products	3.1	-	2.3	-	.4	-	3.5	-	1.6	-	.7	-
31	LEATHER AND LEATHER PRODUCTS												
311	Leather tanning and finishing	3.5	-	2.7	-	.5	-	3.4	-	1.7	-	.7	-
314	Footwear, except rubber	5.0	-	4.2	-	.6	-	5.3	-	3.0	-	1.2	-
3143	Men's footwear, except athletic	5.6	4.2	4.2	3.0	1.1	1.0	6.8	7.8	3.8	2.9	2.0	3.9
3144	Women's footwear, except athletic	4.0	-	2.4	-	1.5	-	4.9	-	2.0	-	2.3	-
		5.9	-	4.4	-	1.2	-	6.9	-	4.1	-	1.7	-
		5.6	-	4.8	-	.5	-	6.2	-	4.7	-	.6	-
		6.0	-	3.6	-	1.9	-	6.7	-	3.4	-	2.2	-
	NONMANUFACTURING:												
	MINING												
		3.8	3.6	2.9	2.7	.5	.5	3.7	3.8	2.2	2.2	.7	.8
10	METAL MINING												
101	Iron ores	2.6	2.3	2.0	1.7	.3	.2	2.7	2.0	1.1	.9	1.0	.5
102	Copper ores	1.5	-	.7	-	.3	-	3.6	-	.4	-	2.4	-
		1.7	-	1.2	-	.2	-	1.0	-	.4	-	.2	-
12	BITUMINOUS COAL AND LIGNITE MINING												
		1.5	.9	.9	.6	.3	.1	1.4	1.3	.6	.4	.5	.5
13	OIL AND GAS EXTRACTION												
131, 2	Crude petroleum, natural gas, and natural gas liquids	5.7	5.9	4.4	4.6	.7	.7	4.9	5.3	3.6	3.7	.4	.4
138	Oil and gas field services	2.1	-	1.3	-	.6	-	1.2	-	.7	-	.1	-
		8.4	-	6.7	-	.8	-	7.6	-	5.7	-	.5	-
14	NONMETALLIC MINERALS, EXCEPT FUELS												
142	Crushed and broken stone	2.4	-	2.0	-	.3	-	4.5	-	1.6	-	2.2	-
144	Sand and gravel	1.8	-	1.6	-	.2	-	5.1	-	1.7	-	2.8	-
		3.1	-	2.2	-	.7	-	6.3	-	1.6	-	3.8	-
	COMMUNICATION:												
481	Telephone communication	1.3	-	1.1	-	-	-	.8	-	.4	-	.1	-

¹ Less than 0.05.

^p preliminary.
- not available.

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	4.6p
1979												
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	3.5p
1979												
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	3.9p
1979												
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	2.2p
1979												
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	.9p
1979												

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	
	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P
ALABAMA:												
Birmingham	2.8	2.4	1.9	1.4	0.6	0.6	2.7	2.7	1.3	0.9	0.6	0.9
Mobile	8.6	8.5	1.5	1.3	6.8	7.0	6.4	9.9	1.6	1.5	3.8	7.5
ALASKA	12.4	5.3	11.7	3.4	.5	1.9	27.0	13.6	8.0	.9	16.1	12.1
ARIZONA	6.0	4.9	5.2	4.3	.5	.5	4.7	4.3	3.2	2.6	.3	.6
Phoenix	6.2	5.1	5.6	4.5	.5	.5	4.7	4.3	3.2	2.7	.1	.4
ARKANSAS	6.6	5.0	5.5	3.9	.7	.7	7.2	5.6	4.7	3.5	1.2	1.1
Fort Smith	7.4	5.4	6.2	4.6	.1	.1	10.0	5.3	5.5	4.1	3.0	.6
Little Rock—North Little Rock	5.7	2.8	4.5	2.3	.9	.2	5.5	3.5	3.6	2.0	.5	.8
Pine Bluff	4.4	3.5	3.5	2.8	.7	.4	4.2	4.1	2.6	2.1	1.0	1.2
COLORADO²	10.6	(*)	6.7	(*)	3.8	(*)	4.6	(*)	2.8	(*)	1.0	(*)
Denver—Boulder ²	5.4	(*)	5.0	(*)	.3	(*)	4.0	(*)	2.9	(*)	.2	(*)
CONNECTICUT	3.0	2.4	2.6	2.0	.2	.2	2.6	2.4	1.4	1.2	.5	.5
Hartford	3.2	2.5	2.9	2.2	.1	.1	2.1	1.7	1.2	1.1	.4	.2
DELAWARE	2.4	1.7	1.6	.9	.2	.2	2.0	1.8	.9	.7	.5	.8
Wilmington	1.8	1.5	1.0	.7	.1	.2	1.7	1.5	.7	.5	.6	.6
FLORIDA	6.9	5.6	5.5	4.5	1.3	1.0	5.1	4.7	3.4	2.9	.6	.8
Fort Lauderdale—Hollywood	7.1	4.8	6.7	4.4	.3	.2	5.9	5.1	4.2	3.6	.4	.2
Jacksonville	6.0	4.4	4.2	3.0	1.8	1.4	5.5	4.4	2.3	1.6	2.0	2.0
Miami	6.3	5.1	5.6	4.6	.6	.4	5.3	3.8	3.7	2.5	.5	.3
Orlando	5.2	4.2	4.6	3.6	.5	.5	4.0	3.5	2.6	2.3	.5	.3
Pensacola	1.2	1.4	1.0	1.2	.2	.2	1.3	1.2	.6	.8	.2	.1
Tampa—St. Petersburg	7.3	7.5	6.3	5.6	.8	1.8	6.4	7.3	4.7	4.2	.6	2.2
West Palm Beach—Boca Raton	7.5	6.3	4.6	4.7	2.8	1.6	3.2	3.6	2.1	2.6	(³)	.2
GEORGIA	4.3	3.3	3.6	2.7	.4	.3	4.1	3.2	2.8	2.1	.4	.4
Atlanta ⁴	3.4	3.1	2.8	2.3	.3	.5	3.1	2.4	1.8	1.3	.5	.5
HAWAII⁵	3.1	3.0	1.6	1.2	1.4	1.5	1.6	1.7	.8	1.2	.2	.1
IDAHO⁶	5.1	3.3	4.6	2.8	.4	.3	4.9	5.2	3.6	2.4	.4	1.8
ILLINOIS:												
Chicago SMSA	4.0	3.1	3.3	2.5	.2	.3	3.7	2.9	2.1	1.5	.3	.4
INDIANA	3.5	3.0	2.5	2.1	.5	.4	3.3	3.2	1.7	1.3	.8	1.0
Indianapolis ⁷	3.2	3.1	2.1	1.8	.3	.3	3.0	2.5	1.3	1.1	.6	.5
IOWA	3.6	3.1	2.9	2.5	.3	.4	3.1	3.4	1.9	1.6	.5	1.2
Cedar Rapids	2.3	2.3	1.7	1.3	.3	.8	2.6	2.6	1.0	1.0	1.2	1.1
Des Moines	5.4	4.4	3.7	3.2	.1	.2	3.9	3.9	2.6	2.2	.2	.8
KANSAS	5.7	4.2	4.9	3.5	.6	.5	4.4	3.8	3.1	2.4	.3	.6
Topeka	3.3	3.9	2.2	1.7	1.0	2.1	2.0	2.2	1.2	1.2	.4	.4
Wichita	6.8	4.4	5.7	3.8	.8	.3	4.2	3.5	2.7	2.3	.1	(³)
KENTUCKY	3.8	3.7	2.6	2.2	.6	1.1	3.3	3.7	1.7	1.8	.7	1.0
Louisville	3.1	2.1	1.5	1.1	.8	.4	3.0	2.3	1.1	.9	.4	.4
LOUISIANA:												
New Orleans	5.7	5.4	5.1	4.8	.4	.3	5.1	4.7	2.9	2.4	1.0	1.5
MAINE	6.2	4.7	5.0	3.7	.9	.7	5.5	5.0	3.5	2.8	1.1	1.5
Portland	4.8	3.9	4.4	2.8	.2	.9	5.6	3.8	3.0	2.6	1.8	.6
MARYLAND	2.9	2.3	2.0	1.6	.6	.6	2.6	2.6	1.3	1.0	.7	1.0
Baltimore	2.5	2.1	1.8	1.3	.6	.5	2.3	2.6	1.1	.9	.6	1.0
MASSACHUSETTS	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Boston	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MICHIGAN	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Flint	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Lansing—East Lansing	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P	Oct. 1978	Nov. 1978P
MINNESOTA	4.6	3.3	3.9	2.8	0.5	0.4	4.9	3.7	2.7	2.0	1.6	1.1
Minneapolis—St. Paul	3.7	2.8	3.3	2.4	.2	.2	3.6	2.9	2.2	1.6	.6	.8
MISSISSIPPI:												
Jackson	5.5	4.5	4.6	3.9	.5	.4	6.1	5.0	3.1	2.6	1.5	.9
MISSOURI	3.7	2.8	2.9	2.2	.5	.4	3.7	3.0	2.1	1.6	.8	.8
Kansas City	3.8	3.0	3.2	2.4	.5	.5	3.6	2.6	2.1	1.4	.7	.4
St. Louis	2.8	1.9	2.1	1.4	.5	.4	2.8	2.2	1.2	1.0	.7	.7
MONTANA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
NEBRASKA	5.0	3.8	4.5	3.4	.2	.2	4.9	3.6	3.3	2.5	.8	.4
NEVADA	9.4	10.0	9.0	9.1	.2	.3	7.4	6.9	5.7	5.0	.4	.3
NEW HAMPSHIRE	4.9	3.9	4.4	3.4	.3	.3	4.4	3.3	3.3	2.4	.3	.3
NEW JERSEY:												
Camden ⁸	3.6	2.4	2.7	1.6	.6	.6	3.0	2.8	1.1	.8	.9	1.1
Hackensack	4.4	3.5	3.6	3.0	.6	.4	4.8	5.8	2.3	1.6	1.3	1.7
Jersey City	2.7	1.9	2.1	1.4	.5	.4	3.5	4.4	1.2	.9	1.5	2.3
Newark	3.0	2.3	2.4	1.9	.3	.2	2.7	2.5	1.2	1.0	.5	.6
New Brunswick—Perth Amboy—Sayreville	3.9	3.0	3.6	2.6	.2	.3	4.0	3.6	1.9	1.6	.6	1.2
Paterson—Clifton—Passaic	3.5	2.7	2.9	2.1	.4	.4	3.8	3.4	1.5	1.4	1.0	1.3
Trenton	3.2	2.5	2.2	1.7	.6	.5	3.1	2.3	1.1	.9	1.0	.9
NEW YORK	3.9	3.1	2.6	2.0	1.1	1.0	3.6	3.5	1.4	1.1	1.4	1.7
Albany—Schenectady—Troy	2.5	2.0	1.5	1.0	.4	.4	3.3	2.9	1.0	.7	1.2	1.2
Binghamton	3.0	2.3	2.7	1.9	.2	.3	2.3	1.9	1.5	1.2	.2	.2
Buffalo	2.5	2.5	1.5	1.2	.7	1.1	3.1	2.1	.8	.6	1.4	.9
Elmira	2.5	2.2	1.6	1.6	.6	.4	2.5	2.5	1.3	.8	.2	.6
Monroe County ⁹	2.0	1.7	1.7	1.3	.1	.2	1.9	1.2	1.3	.6	.2	.2
Nassau—Suffolk ¹⁰	6.2	4.9	4.8	4.0	1.3	.7	4.5	4.5	2.8	2.3	.6	1.2
New York and Nassau—Suffolk	5.0	4.1	3.2	2.5	1.8	1.5	4.3	4.5	1.6	1.3	2.0	2.5
New York SMSA ¹⁰	4.8	3.9	2.7	2.2	1.9	1.6	4.3	4.6	1.3	1.1	2.3	2.8
New York City ¹¹	5.0	4.1	2.8	2.2	2.1	1.8	4.6	4.9	1.3	1.1	2.6	3.2
Rochester	2.7	2.0	2.1	1.5	.4	.3	3.0	2.1	1.7	.8	.8	.7
Syracuse	3.2	2.2	2.5	1.7	.5	.3	2.4	2.3	1.1	.9	.6	.8
Utica—Rome	2.8	1.9	2.0	1.2	.7	.6	2.5	2.6	1.1	.7	.9	1.5
Westchester County ¹¹	3.5	2.6	2.6	2.0	.4	.4	2.2	2.1	1.0	1.0	.5	.5
NORTH CAROLINA	5.3	3.9	4.6	3.4	.4	.3	4.6	3.9	3.5	2.6	.2	.5
Charlotte—Gastonia	6.2	4.6	5.4	4.1	.6	.3	5.3	4.4	4.3	3.2	(³)	.3
Greensboro—Winston-Salem—High Point	4.8	3.4	4.3	3.1	.2	.1	4.0	3.3	3.0	2.3	.2	.3
NORTH DAKOTA	8.9	5.5	6.1	4.4	2.0	.7	6.3	5.2	3.9	3.2	1.7	1.3
Fargo—Moorhead	6.0	3.2	5.3	2.8	.1	.1	4.2	5.7	3.4	2.6	.1	2.3
OHIO	2.9	2.1	2.1	1.4	(*)	(*)	3.5	2.4	1.5	.9	1.2	.7
Akron	2.2	1.7	1.6	1.4	(*)	(*)	1.5	2.3	.7	.9	.3	1.0
Canton	3.1	2.6	1.7	1.5	(*)	(*)	2.8	2.2	1.1	.8	.6	.3
Cincinnati	2.9	2.4	2.3	1.5	(*)	(*)	3.0	2.3	1.1	.9	.9	.5
Cleveland	3.3	2.3	2.7	1.7	(*)	(*)	3.0	2.7	1.4	1.3	.6	.6
Columbus	2.5	2.3	2.0	1.7	(*)	(*)	3.0	2.4	1.6	1.3	.6	.4
Dayton	2.2	1.4	1.9	1.1	(*)	(*)	2.9	1.8	1.1	.8	.5	.3
Toledo	3.3	2.0	2.1	1.3	(*)	(*)	2.7	2.3	.9	.7	.5	.9
Youngstown—Warren	2.6	1.7	1.0	.7	(*)	(*)	2.6	2.1	.7	.3	.9	1.1
OKLAHOMA	6.9	5.4	6.3	4.9	.5	.4	6.1	5.6	4.5	4.1	.6	.5
Oklahoma City	7.0	5.8	6.4	5.3	.5	.4	6.0	5.8	4.5	4.3	.5	.5
Tulsa ¹²	7.0	5.4	6.5	5.0	.3	.3	5.9	6.1	4.1	4.2	.4	.5
OREGON ¹	5.3	3.7	4.3	2.9	.8	.6	4.8	3.8	2.7	1.9	1.2	1.2
Portland ¹	6.2	4.4	5.0	3.5	.9	.8	5.6	4.0	3.1	2.0	1.5	1.1
PENNSYLVANIA	3.1	2.3	2.2	1.5	.7	.6	3.0	2.7	1.3	1.0	1.0	1.1
Allentown—Bethlehem—Easton	1.9	1.6	1.5	1.2	.3	.2	2.0	1.7	1.1	.7	.4	.7
Altoona	1.5	2.3	.9	.6	.3	1.5	2.8	3.1	1.1	.9	1.3	2.0
Erie	3.8	2.6	3.1	1.7	.3	.5	2.8	2.6	1.4	1.0	.5	.8
Harrisburg	2.5	1.8	1.9	1.4	.3	.3	2.7	2.1	1.5	1.1	.4	.5
Johnstown	3.5	3.0	.9	.8	2.5	2.2	2.9	3.0	1.0	.7	1.6	.9
Lancaster	3.9	2.5	3.4	1.9	.3	.4	3.5	2.7	2.4	1.7	.5	.6

See footnotes at end of table.

ESTABLISHMENT DATA

STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Oct. 1978	Nov. 1978 ^P	Oct. 1978	Nov. 1978 ^P	Oct. 1978	Nov. 1978 ^P	Oct. 1978	Nov. 1978 ^P	Oct. 1978	Nov. 1978 ^P	Oct. 1978	Nov. 1978 ^P
PENNSYLVANIA—Continued												
Northeast Pennsylvania	3.5	3.3	2.3	1.5	1.0	1.6	3.8	3.9	1.5	1.2	1.7	2.2
Philadelphia SMSA	2.9	2.3	2.2	1.7	.6	.4	2.7	2.4	1.1	.9	.8	.8
Pittsburgh	2.0	1.6	1.1	.7	.6	.6	2.4	2.2	.6	.5	1.1	1.1
Reading	4.3	2.8	3.5	2.3	.7	.3	3.2	2.6	2.0	1.5	.5	.5
Scranton ¹³	4.1	2.5	2.6	1.3	1.3	1.1	3.2	3.0	1.3	1.1	1.5	1.6
Wilkes-Barre—Hazleton ¹³	2.6	2.8	1.7	1.2	.7	1.4	3.8	3.6	1.4	1.0	1.9	2.1
Williamsport	3.5	2.7	2.3	1.4	1.1	1.2	3.5	2.2	1.3	.8	1.7	1.1
York	5.7	3.4	4.4	3.2	1.2	.2	4.1	3.4	2.7	2.0	.7	.8
RHODE ISLAND												
Providence—Warwick—Pawtucket	6.0	4.0	5.1	3.4	.6	.4	5.6	4.4	4.0	2.5	1.0	1.0
Providence—Warwick—Pawtucket	6.3	4.0	5.5	3.4	.6	.4	5.7	4.3	4.1	2.5	.9	.9
SOUTH CAROLINA												
Charleston—North Charleston	4.4	3.5	3.8	3.0	.3	.3	3.9	3.4	2.7	2.1	.4	.4
Charleston—North Charleston	5.7	2.8	4.9	2.0	.6	.5	4.8	3.9	2.6	2.3	.6	.2
Columbia	4.5	3.4	4.1	3.3	.2	.1	3.8	4.4	2.6	2.0	.4	1.5
Greenville—Spartanburg	4.7	4.0	4.3	3.6	.2	.2	4.4	3.8	3.0	2.5	.3	.3
SOUTH DAKOTA												
Sioux Falls	5.2	4.3	4.8	4.1	.1	.2	4.3	3.4	3.3	2.3	.1	.3
Sioux Falls	4.2	2.0	4.0	1.9	.2	.1	3.6	1.8	2.6	1.0	.1	.2
TENNESSEE:												
Memphis	3.3	2.3	2.8	1.7	.3	.4	3.6	2.7	1.8	1.3	.8	.6
TEXAS:												
Dallas—Fort Worth	6.0	5.3	5.6	4.8	.3	.4	5.2	4.6	3.9	3.4	.3	.3
Houston	5.0	4.4	4.7	4.2	.1	.1	4.7	3.8	3.3	2.6	.2	.2
San Antonio	5.1	4.4	4.7	4.1	.2	.1	4.7	4.7	3.4	3.4	.4	.5
UTAH⁴												
Salt Lake City—Ogden ⁴	7.2	6.1	6.9	5.7	.1	.3	6.0	5.3	4.2	3.4	.7	.9
Salt Lake City—Ogden ⁴	9.2	6.2	9.1	5.9	.1	.2	6.1	4.9	4.3	3.4	.8	.5
VERMONT												
Burlington	4.0	3.0	3.5	2.4	.3	.4	3.2	2.9	1.8	1.7	.8	.8
Burlington	3.2	1.5	2.8	1.1	.1	.1	1.9	1.3	.8	.6	.9	.4
Springfield	4.1	3.4	3.6	2.3	.5	1.0	2.7	2.8	.8	1.2	1.4	1.1
VIRGINIA												
Richmond	3.9	3.7	3.1	2.5	.5	1.1	3.6	3.8	2.2	1.7	.5	1.3
Richmond	2.7	1.4	2.2	1.3	(³)	.1	2.3	2.3	1.0	.8	.4	1.2
WASHINGTON:												
Seattle—Everett ¹⁴	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
WISCONSIN												
Milwaukee	3.2	2.4	2.5	1.8	.3	.3	3.4	2.8	1.5	1.1	1.1	1.0
Milwaukee	3.5	2.4	2.7	1.8	.3	.3	2.7	2.5	1.2	1.0	.4	.7
WYOMING												
.....	12.2	7.4	7.5	6.5	4.3	.5	6.0	7.4	4.0	3.9	1.1	1.5

¹ Excludes canning and preserving.

² Based on the 1967 Standard Industrial Classification Manual.

³ Less than 0.05.

⁴ Excludes agricultural chemicals, and miscellaneous manufacturing.

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

⁶ Excludes canning and preserving, and sugar.

⁷ Excludes canning and preserving, and newspapers.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁹ Subarea of Rochester Standard Metropolitan Statistical Area.

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

¹¹ Subarea of New York Standard Metropolitan Statistical Area.

¹² Excludes new-hire rate for transportation equipment.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹⁴ Excludes canning and preserving, printing and publishing.

p=preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
ALABAMA	1,529.2	1,598.2	1,594.2	100.9	95.7	100.2	6.6	6.0	6.3
Birmingham	359.4	377.3	378.4	22.0	20.2	21.3	6.1	5.3	5.6
Huntsville	126.0	132.4	132.0	8.0	7.9	8.2	6.4	6.0	6.2
Mobile	174.2	179.4	179.5	12.4	11.6	12.0	7.1	6.5	6.7
Montgomery	108.2	114.5	114.0	5.2	6.4	6.3	4.8	5.6	5.5
Tuscaloosa	52.2	52.7	52.1	3.6	3.4	3.1	6.9	6.4	5.9
ALASKA	166.4	183.6	183.1	16.8	21.2	20.8	10.1	11.5	11.4
ARIZONA	996.4	1,047.7	1,044.5	66.2	61.0	56.9	6.6	5.8	5.4
Phoenix	590.8	628.1	627.0	33.8	30.8	28.2	5.7	4.9	4.5
Tucson	184.2	192.9	191.8	11.4	10.3	8.8	6.2	5.3	4.6
ARKANSAS	906.9	929.0	906.1	59.6	75.0	70.4	6.6	8.1	7.8
Fayetteville-Springdale	69.5	71.2	71.1	3.3	4.4	4.1	4.7	6.2	5.8
Fort Smith ¹	80.4	84.5	85.0	5.3	8.9	9.1	6.6	10.6	10.7
Little Rock-North Little Rock	177.8	176.8	177.3	8.6	10.5	10.5	4.8	5.9	5.9
Pine Bluff	35.0	36.1	35.1	1.9	3.2	2.8	5.4	8.8	8.1
CALIFORNIA ²	10,320.1	10,618.9	10,712.5	714.0	642.1	673.1	6.9	6.0	6.3
Anaheim-Santa Ana-Garden Grove	958.9	999.7	1,009.3	42.6	37.3	41.4	4.4	3.7	4.1
Bakersfield	169.5	168.9	169.5	13.9	13.2	15.8	8.2	7.8	9.3
Fresno	248.5	247.2	256.1	21.0	19.2	21.5	8.4	7.8	8.4
Los Angeles-Long Beach ²	3,396.0	3,521.0	3,567.0	242.0	224.0	198.0	7.1	6.3	5.5
Modesto	124.5	128.3	129.1	14.4	12.4	14.3	11.6	9.6	11.1
Oxnard-Simi Valley-Ventura	196.1	202.2	206.0	14.4	13.2	16.5	7.4	6.5	8.0
Riverside-San Bernardino-Ontario	525.2	543.3	549.2	34.7	30.7	34.1	6.6	5.6	6.2
Sacramento	432.1	445.7	449.0	30.5	28.1	33.1	7.1	6.3	7.4
Salinas-Seaside-Monterey	119.0	124.5	121.6	9.7	8.7	10.5	8.2	7.0	8.6
San Diego	663.9	682.5	689.8	42.7	37.5	42.2	6.4	5.5	6.1
San Francisco-Oakland	1,543.9	1,553.0	1,558.6	87.6	79.8	86.1	5.7	5.1	5.5
San Jose	630.8	664.5	665.4	34.1	31.1	33.9	5.4	4.7	5.1
Santa Barbara-Santa Maria-Lompoc	131.6	134.5	132.8	7.7	7.2	8.2	5.8	5.4	6.1
Santa Rosa	113.5	115.8	116.1	8.8	6.7	7.7	7.7	5.8	6.7
Stockton	153.1	153.5	156.3	17.5	14.0	17.6	11.4	9.1	11.2
Vallejo-Fairfield-Napa	116.1	120.4	119.7	7.8	6.8	7.4	6.8	5.6	6.2
COLORADO	1,247.3	1,324.0	1,312.2	72.5	65.3	66.9	5.8	4.9	5.1
Denver-Boulder	738.0	775.5	773.9	39.2	34.8	36.1	5.3	4.5	4.7
CONNECTICUT	1,501.7	1,532.4	1,551.9	80.4	69.3	78.9	5.4	4.5	5.1
Bridgeport	184.9	188.0	189.9	10.8	9.6	10.1	5.9	5.1	5.3
Hartford	358.5	367.0	372.4	17.0	15.4	17.6	4.7	4.2	4.7
New Britain	71.2	71.6	72.2	3.8	3.1	3.8	5.3	4.4	5.3
New Haven-West Haven	196.0	197.9	200.6	11.4	8.2	10.1	5.9	4.1	5.0
Stamford	112.0	119.1	120.1	4.2	4.7	5.1	3.8	4.0	4.2
Waterbury	105.4	107.4	109.4	6.6	5.3	6.3	6.2	5.0	5.7
DELAWARE	272.1	277.3	275.3	20.5	18.4	17.5	7.5	6.6	6.4
Wilmington ¹	241.2	244.2	243.1	17.9	14.7	14.4	7.4	6.0	5.9
DISTRICT OF COLUMBIA	328.0	336.4	337.5	28.4	26.6	23.9	8.7	7.9	7.1
Washington SMSA ¹	1,556.0	1,577.9	1,580.7	71.2	71.1	67.0	4.6	4.5	4.2
FLORIDA ²	3,639.2	3,742.7	3,722.7	250.8	233.0	237.0	6.9	6.2	6.4
Fort Lauderdale-Hollywood	364.7	370.2	369.4	27.7	22.7	22.4	7.6	6.1	6.1
Jacksonville	301.4	309.6	304.9	17.5	17.6	17.0	5.8	5.7	5.6
Miami	696.7	719.3	713.0	52.5	45.5	46.5	7.5	6.3	6.5
Orlando	281.3	291.7	288.4	18.3	17.3	17.1	6.5	5.9	5.9
Pensacola	109.5	113.0	111.3	5.9	6.1	6.9	5.4	5.4	6.2
Tampa-St. Petersburg	559.5	575.9	566.0	36.4	32.5	33.2	6.5	5.6	5.9
West Palm Beach-Boca Raton	210.1	211.7	220.0	14.3	14.6	14.4	6.8	6.9	6.6
GEORGIA	2,279.4	2,351.3	2,346.0	139.3	142.7	134.1	6.1	6.1	5.7
Atlanta	870.4	889.2	891.4	54.7	51.8	50.5	6.3	5.8	5.7
Augusta ¹	124.7	127.9	128.3	8.3	8.1	7.0	6.6	6.3	5.5
Columbus ¹	87.4	89.4	89.5	5.5	6.0	5.7	6.3	6.7	6.4
Macon	106.1	106.5	105.5	9.2	7.6	6.8	8.7	7.1	6.4
Savannah	88.7	89.8	89.7	5.9	6.4	5.8	6.6	7.1	6.4

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
HAWAII	403.1	410.2	410.3	26.9	32.3	29.5	6.7	7.9	7.2
Honolulu	318.7	324.2	324.8	20.7	24.6	22.6	6.5	7.6	7.0
IDAHO	387.9	405.0	399.1	22.2	21.5	25.9	5.7	5.3	6.5
Boise City	79.0	89.4	90.6	2.7	3.2	3.9	3.5	3.5	4.3
ILLINOIS ²	5,255.9	5,423.5	5,380.2	292.0	280.8	308.1	5.5	5.2	5.7
Bloomington—Normal	59.6	54.1	62.5	2.3	2.2	2.9	3.9	3.4	4.6
Champaign—Urbana—Rantoul	76.2	78.5	78.1	3.3	3.3	3.9	4.3	4.2	4.9
Chicago	3,351.4	3,457.7	3,435.7	173.5	175.2	183.5	5.2	5.1	5.3
Deavenport—Rock Island—Moline ¹	175.7	182.6	181.8	9.4	7.4	8.3	5.4	4.0	4.5
Decatur	61.1	61.9	61.4	4.0	3.5	3.9	6.5	5.7	6.4
Peoria	172.7	179.1	177.2	8.4	7.9	8.8	4.9	4.4	5.0
Rockford	132.2	139.2	137.7	6.5	6.5	7.2	4.9	4.7	5.2
Springfield	96.5	97.5	96.7	5.1	5.4	6.0	5.3	5.6	6.2
INDIANA	2,479.2	2,600.6	2,617.4	133.1	133.9	153.7	5.4	5.1	5.9
Evansville ¹	134.1	139.4	141.2	5.8	7.0	9.3	4.4	5.0	6.6
Fort Wayne	176.3	189.4	191.5	8.2	8.2	9.9	4.7	4.3	5.2
Gary—Hammond—East Chicago	281.5	292.8	294.6	16.4	15.7	17.3	5.8	5.4	5.9
Indianapolis	557.0	577.5	581.9	28.1	27.4	30.5	5.0	4.7	5.2
Muncie	56.2	58.2	58.5	2.9	3.5	3.6	5.2	6.0	6.2
South Bend	132.7	139.0	140.0	6.6	7.0	7.7	5.0	5.0	5.5
Terre Haute	77.4	80.5	81.0	4.8	3.7	4.6	6.2	4.5	5.7
IOWA	1,362.8	1,410.3	1,394.1	54.3	44.0	58.4	4.0	3.1	4.2
Cedar Rapids	83.5	86.6	86.7	2.7	2.2	3.0	3.3	2.5	3.4
Des Moines	171.4	177.0	177.9	5.8	5.4	6.8	3.4	3.1	3.8
Dubuque	44.1	45.2	45.3	2.1	1.8	2.1	4.8	4.0	4.6
Sioux City ¹	58.8	58.3	58.1	3.0	3.1	3.9	5.0	5.4	6.7
Waterloo—Cedar Falls	65.4	67.6	68.2	2.5	2.9	3.2	3.8	4.3	4.7
KANSAS	1,121.6	1,169.0	1,169.4	41.5	30.2	31.4	3.7	2.6	2.7
Topeka	94.7	97.0	97.2	3.8	3.2	3.3	4.0	3.3	3.4
Wichita	208.5	219.2	220.3	8.6	6.1	5.8	4.1	2.8	2.6
KENTUCKY	1,545.6	1,580.0	1,567.2	77.1	74.0	81.5	5.0	4.7	5.2
Lexington—Fayette	158.6	164.5	162.2	5.4	5.0	5.4	3.4	3.0	3.3
Louisville ¹	406.2	420.1	417.5	21.2	19.1	20.1	5.2	4.6	4.8
LOUISIANA	1,540.6	1,609.0	1,599.5	96.0	96.6	90.4	6.2	6.0	5.7
Baton Rouge	196.2	200.5	199.7	12.8	11.6	11.1	6.5	5.8	5.6
Lake Charles	64.0	62.9	62.2	4.6	4.2	3.6	7.2	6.6	5.8
Monroe	49.9	52.9	53.4	3.3	3.2	3.1	6.6	6.0	5.8
New Orleans	453.6	459.9	456.6	28.3	28.4	23.7	6.2	6.2	5.2
Shreveport	144.4	150.0	150.1	8.0	8.2	7.7	5.6	5.5	5.1
MAINE	467.4	471.4	474.0	36.3	24.9	28.3	7.8	5.3	6.0
Lewiston—Auburn	37.4	37.2	37.1	2.7	1.5	1.8	7.3	4.1	4.9
Portland	85.5	87.0	87.6	5.5	3.5	4.2	6.5	4.0	4.7
MARYLAND	1,965.7	2,060.9	2,077.1	109.3	102.7	116.9	5.6	5.0	5.6
Baltimore	978.9	1,061.6	1,074.2	61.3	56.5	66.2	6.3	5.3	6.2
MASSACHUSETTS ²	2,789.1	2,843.0	2,849.4	163.7	148.5	162.9	5.9	5.2	5.7
Boston	1,346.7	1,382.1	1,388.1	73.2	63.8	71.2	5.4	4.6	5.1
Brockton	78.8	83.8	84.4	4.7	4.5	4.8	6.0	5.4	5.7
Fall River ¹	77.8	79.3	79.7	5.4	4.9	5.8	6.9	6.2	7.2
Lawrence—Haverhill ¹	N.A.	140.1	N.A.	N.A.	9.0	N.A.	N.A.	6.4	N.A.
Lowell	110.3	113.0	113.2	6.8	6.1	6.4	6.2	5.4	5.7
New Bedford	82.0	80.7	81.3	6.8	6.0	6.7	8.2	7.4	8.2
Springfield—Chicopee—Holyoke	272.6	277.3	278.8	14.6	13.6	15.4	5.4	4.9	5.5
Worcester	195.4	200.4	200.0	8.9	9.1	9.5	4.6	4.5	4.7
MICHIGAN ²	4,138.9	4,228.8	4,271.9	290.9	279.4	287.7	7.0	6.6	6.7
Ann Arbor	134.6	139.9	140.1	6.9	6.9	9.8	5.1	4.9	7.0
Battle Creek	80.2	82.2	82.4	5.7	5.2	5.2	7.1	6.3	6.3
Bay City	52.8	54.8	55.6	3.6	3.1	3.1	6.9	5.7	5.5
Detroit	1,987.6	2,008.0	2,039.1	133.9	125.6	128.4	6.7	6.3	6.3
Flint	221.5	230.0	231.7	15.6	16.5	16.3	7.1	7.2	7.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
MICHIGAN—Continued									
Grand Rapids	283.9	291.9	294.2	14.0	14.8	14.1	4.9	5.1	4.6
Jackson	64.3	65.7	67.3	4.3	3.7	3.6	6.7	5.7	5.4
Kalamazoo—Portage	129.4	132.7	134.2	7.5	7.1	7.2	5.9	5.3	5.4
Lansing—East Lansing	224.1	232.8	232.5	13.2	12.4	12.3	5.9	5.3	5.3
Muskegon—Norton Shores—Muskegon Heights	74.6	76.9	77.1	6.2	6.2	6.3	8.3	8.1	8.1
Saginaw	101.4	105.4	107.9	5.3	5.8	5.4	5.2	5.5	5.0
MINNESOTA	1,929.9	2,021.0	2,003.7	97.1	66.5	77.3	5.0	3.3	3.9
Duluth—Superior ¹	112.5	117.9	117.8	10.5	5.7	5.8	9.3	4.9	5.0
Minneapolis—St. Paul	1,046.5	1,068.3	1,072.7	38.4	28.4	31.2	3.7	2.7	2.9
MISSISSIPPI	968.4	969.8	971.0	68.0	61.9	64.3	7.0	6.4	6.6
Jackson	139.7	141.0	142.9	7.5	6.7	6.7	5.3	4.7	4.7
MISSOURI	2,204.7	2,246.7	2,242.4	126.2	102.8	104.7	5.7	4.6	4.7
Kansas City ¹	659.5	679.7	680.4	34.2	26.3	25.8	5.2	3.9	3.8
St. Joseph	45.6	44.1	43.4	2.9	2.4	2.2	6.4	5.4	5.1
St. Louis ¹	1,064.7	1,080.2	1,079.5	66.7	51.9	52.8	6.3	4.8	4.9
Springfield	98.3	101.8	101.2	5.0	4.1	4.0	5.0	4.0	3.9
MONTANA	337.9	355.9	351.5	20.8	18.4	20.4	6.1	5.2	5.8
Billings	52.9	53.0	53.4	2.3	2.2	2.3	4.3	4.2	4.4
Great Falls	35.0	34.7	34.8	2.2	2.3	2.5	6.2	6.5	7.1
NEBRASKA	744.6	780.6	772.1	28.6	22.7	23.9	3.8	2.9	3.1
Lincoln	107.0	114.1	114.3	3.3	3.1	2.8	3.1	2.7	2.5
Omaha ¹	275.0	282.5	283.5	11.5	10.2	10.3	4.2	3.6	3.6
NEVADA	329.6	332.4	330.4	23.0	14.6	15.3	7.0	4.4	4.6
Las Vegas	178.2	177.6	176.2	14.3	8.0	8.0	8.0	4.5	4.5
Reno	94.7	99.6	100.1	4.7	2.8	3.5	5.0	2.8	3.5
NEW HAMPSHIRE	422.8	429.7	427.0	22.7	14.8	15.3	5.4	3.4	3.6
Manchester	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
NEW JERSEY²	3,450.4	3,592.4	3,573.5	238.8	219.7	246.8	6.9	6.1	6.9
Atlantic City	81.4	88.2	86.7	8.9	7.5	9.0	11.0	8.5	10.3
Jersey City	259.6	260.9	263.6	25.7	24.1	29.1	9.9	9.3	11.0
Long Branch—Asbury Park	222.8	231.1	227.5	15.6	16.2	17.6	7.0	7.0	7.7
Newark	962.6	1,012.7	1,007.6	60.9	55.5	61.8	6.3	5.5	6.1
New Brunswick—Perth Amboy—Sayreville	311.9	331.2	329.5	18.9	17.7	19.9	6.1	5.3	6.0
Paterson—Clifton—Passaic	216.6	227.9	228.4	17.8	15.6	18.5	8.2	6.9	8.1
Trenton	163.3	166.7	166.3	8.3	7.3	8.0	5.1	4.4	4.8
Vineland—Millville—Bridgeton	59.1	63.5	64.0	5.3	5.7	6.7	9.0	9.0	10.5
NEW MEXICO	508.4	535.8	530.5	33.4	33.3	31.6	6.6	6.2	6.0
Albuquerque	188.1	196.8	195.7	11.7	11.8	11.0	6.2	6.0	5.6
NEW YORK³	7,784.5	7,961.5	8,029.1	631.1	569.8	530.8	8.1	7.2	6.6
Albany—Schenectady—Troy	358.6	372.8	377.0	20.8	22.1	20.5	5.8	5.9	5.4
Binghamton ¹	133.2	140.6	142.0	8.3	8.4	7.5	6.2	6.0	5.3
Buffalo	570.2	583.5	591.0	44.2	39.9	37.2	7.8	6.8	6.3
Elmira	39.8	41.5	41.7	3.0	2.6	2.2	7.6	6.2	5.4
Nassau—Suffolk	1,235.8	1,284.9	1,301.7	83.5	79.0	69.6	6.8	6.2	5.3
New York	3,601.2	3,605.0	3,625.8	336.3	286.0	269.3	9.3	7.9	7.4
New York City ²	3,036.0	3,015.0	3,025.0	305.0	256.0	241.0	10.0	8.5	8.0
Poughkeepsie	99.2	104.2	106.0	5.1	4.6	4.6	5.1	4.4	4.4
Rochester	456.7	473.3	478.6	26.2	25.8	23.6	5.7	5.4	4.9
Syracuse	293.6	308.7	311.9	18.6	18.6	16.9	6.3	6.0	5.4
Utica—Rome	136.1	140.0	140.8	10.1	9.7	9.2	7.4	6.9	6.5
NORTH CAROLINA	2,601.0	2,675.4	2,683.3	130.4	98.5	110.5	5.0	3.7	4.1
Asheville	80.5	82.4	83.1	4.6	2.9	3.6	5.7	3.5	4.3
Charlotte—Gastonia	321.2	328.2	330.7	11.3	9.0	10.4	3.5	2.8	3.1
Greensboro—Winston-Salem—High Point	402.1	408.5	410.6	16.5	12.4	13.8	4.1	3.0	3.4
Raleigh—Durham	261.9	272.3	273.0	8.3	7.1	7.1	3.2	2.6	2.6
NORTH DAKOTA	275.6	285.7	278.2	14.0	13.8	14.4	5.1	4.8	5.2
Fargo—Moorehead ¹	69.2	71.0	70.7	3.0	2.2	2.7	4.4	3.1	3.8

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
OHIO ²	4,797.7	5,087.6	5,062.3	242.1	250.1	244.6	5.1	4.9	4.8
Akron	292.6	306.2	305.1	14.7	15.2	15.3	5.0	5.0	5.0
Canton	173.7	182.8	182.2	9.8	9.8	9.3	5.6	5.3	5.1
Cincinnati ¹	620.5	658.6	656.3	27.1	31.4	31.4	4.4	4.8	4.8
Cleveland	904.8	951.8	951.0	40.4	40.3	39.0	4.5	4.2	4.1
Columbus	515.1	544.0	542.4	21.3	23.1	22.0	4.1	4.3	4.1
Dayton	371.6	393.6	392.6	15.4	16.3	15.4	4.1	4.1	3.9
Toledo ¹	355.4	379.6	378.3	19.3	21.1	21.0	5.4	5.6	5.5
Youngstown--Warren	232.7	243.0	242.6	15.0	14.5	14.7	6.5	5.9	6.0
OKLAHOMA	1,238.0	1,245.1	1,243.9	49.4	39.2	39.4	4.0	3.2	3.2
Oklahoma City	374.7	388.1	389.4	12.6	10.5	10.5	3.4	2.7	2.7
Tulsa	296.8	294.2	292.7	12.6	8.9	8.4	4.2	3.0	2.9
OREGON	1,135.3	1,224.5	1,216.1	77.8	76.3	79.7	6.8	6.2	6.5
Eugene--Springfield	119.8	126.7	125.5	8.8	9.0	9.3	7.4	7.1	7.4
Portland ¹	550.1	594.2	592.5	32.0	31.3	31.3	5.8	5.3	5.3
Salem	104.9	113.6	111.6	7.4	7.6	8.0	7.0	6.7	7.2
PENNSYLVANIA ²	5,208.9	5,350.0	5,364.4	379.5	353.6	321.3	7.3	6.6	6.0
Allentown--Bethlehem--Easton ¹	298.5	305.9	307.8	17.1	15.7	15.6	5.7	5.1	5.1
Altoona	57.3	58.5	59.1	4.3	4.8	4.7	7.5	8.1	8.0
Erie	121.0	126.3	125.4	8.3	8.6	8.3	6.9	6.8	6.6
Harrisburg	207.7	214.6	215.4	10.5	10.3	8.6	5.0	4.8	4.0
Johnstown	108.7	107.4	109.1	12.6	8.8	9.9	11.6	8.2	9.0
Lancaster	166.5	172.6	173.6	7.2	7.1	6.5	4.3	4.1	3.8
Northeast Pennsylvania	271.9	274.7	276.4	25.4	23.5	23.9	9.3	8.6	8.6
Philadelphia ¹	2,088.4	2,136.5	2,138.6	156.9	145.8	130.0	7.5	6.8	6.1
Pittsburgh	979.2	1,003.1	1,002.7	60.8	58.1	50.8	6.2	5.8	5.1
Reading	146.9	152.9	154.1	7.2	6.9	5.9	4.9	4.5	3.9
Williamsport	50.8	53.8	54.0	4.5	4.3	3.9	8.8	7.9	7.2
York	158.6	167.3	167.5	8.8	7.5	6.7	5.5	4.5	4.0
RHODE ISLAND	444.7	437.5	440.0	32.6	22.4	25.2	7.3	5.1	5.7
Providence--Warwick--Pawtucket ¹	448.5	444.3	N.A.	31.8	22.4	N.A.	7.1	5.1	N.A.
SOUTH CAROLINA	1,277.7	1,293.3	1,278.7	77.4	72.3	63.2	6.1	5.6	4.9
Charleston--North Charleston	147.2	146.2	144.8	9.5	9.2	7.8	6.4	6.3	5.4
Columbia	166.4	173.2	172.4	7.6	7.4	6.5	4.6	4.3	3.8
Greenville--Spartanburg	254.2	253.6	251.7	13.5	10.7	8.7	5.3	4.2	3.4
SOUTH DAKOTA	306.8	320.2	322.1	9.2	7.9	9.6	3.0	2.5	3.0
Sioux Falls	55.9	58.7	60.4	1.4	0.7	1.3	2.6	1.2	2.2
TENNESSEE	1,924.0	1,997.3	1,976.6	106.6	116.3	118.5	5.5	5.8	6.0
Chattanooga ¹	184.3	188.2	187.3	8.8	10.7	10.3	4.8	5.7	5.5
Knoxville	201.0	204.9	206.1	9.0	10.1	12.0	4.5	4.9	5.8
Memphis ¹	379.8	385.1	380.7	21.0	23.5	21.3	5.5	6.1	5.6
Nashville--Davidson	389.4	405.8	401.9	15.3	18.1	16.5	3.9	4.5	4.1
TEXAS ²	5,893.1	6,111.7	6,107.5	275.7	292.5	284.1	4.7	4.8	4.7
Amarillo	86.3	88.5	88.5	3.0	3.3	3.5	3.5	3.7	3.9
Austin	231.3	243.5	242.4	8.9	8.2	8.0	3.8	3.4	3.3
Beaumont--Port Arthur--Orange	165.7	168.4	167.8	10.3	11.3	11.1	6.2	6.7	6.6
Corpus Christi	125.6	130.8	130.1	7.1	7.0	6.8	5.7	5.4	5.2
Dallas--Fort Worth	1,351.3	1,414.4	1,420.0	54.0	53.1	52.6	4.0	3.8	3.7
El Paso	161.6	166.8	166.4	15.8	15.0	14.4	9.8	9.0	8.7
Galveston--Texas City	87.9	91.2	91.2	5.5	5.6	5.7	6.3	6.1	6.2
Houston	1,319.7	1,382.9	1,378.6	47.8	54.5	49.5	3.6	3.9	3.6
Lubbock	102.4	104.7	106.8	3.4	3.5	4.1	3.3	3.3	3.9
San Antonio	396.3	410.9	409.8	23.8	26.5	25.0	6.0	6.4	6.1
Waco	77.3	80.0	79.2	3.4	3.9	3.3	4.4	4.9	4.2
Wichita Falls	59.8	61.4	61.2	1.9	2.6	2.4	3.2	4.3	3.9
UTAH	535.5	554.8	553.0	25.4	19.5	20.3	4.7	3.5	3.7
Salt Lake City--Ogden	357.6	371.7	367.5	16.7	12.7	13.1	4.7	3.4	3.6
VERMONT	230.5	238.0	240.2	15.9	11.9	13.2	6.9	5.0	5.5

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P	DEC. 1977	NOV. 1978	DEC. 1978P
VIRGINIA	2,410.3	2,496.3	2,495.2	118.8	123.6	134.3	4.9	5.0	5.4
Lynchburg	70.2	72.2	72.5	2.8	3.0	3.2	4.0	4.2	4.4
Newport News—Hampton	155.7	159.1	159.8	8.7	9.3	10.6	5.6	5.9	6.6
Norfolk—Virginia Beach—Portsmouth ¹	311.9	320.8	319.8	17.1	19.2	19.5	5.5	6.0	6.1
Richmond	317.5	328.9	327.9	10.2	11.1	11.0	3.2	3.4	3.4
Roanoke	110.6	113.0	112.3	6.1	5.1	5.5	5.5	4.5	4.9
WASHINGTON	1,649.1	1,738.7	1,737.9	124.9	100.9	116.0	7.6	5.8	6.7
Seattle—Everett	715.4	771.1	770.2	47.4	37.1	39.3	6.5	4.8	5.1
Spokane	132.5	138.6	138.6	9.0	7.4	9.0	6.8	5.4	6.5
Tacoma	157.0	162.3	163.9	13.2	10.0	11.3	8.4	6.2	6.9
WEST VIRGINIA	705.7	754.0	751.9	55.1	37.9	48.6	7.8	5.0	6.5
Charleston	114.5	121.0	122.9	6.0	3.8	4.8	5.2	3.1	3.9
Huntington—Ashland ¹	116.3	117.7	120.9	8.9	5.4	6.7	7.6	4.6	5.5
Parkersburg—Marietta ¹	64.3	68.2	69.4	4.2	3.1	3.4	6.5	4.6	5.0
Wheeling ¹	80.8	82.3	83.0	7.3	3.8	4.7	9.0	4.7	5.7
WISCONSIN	2,250.7	2,356.9	2,365.9	111.7	116.6	129.7	5.0	4.9	5.5
Appleton—Oshkosh	139.3	145.9	145.3	6.5	7.8	7.7	4.6	5.4	5.3
Green Bay	87.4	86.9	87.2	4.6	4.9	4.7	5.2	5.6	5.4
Kenosha	63.4	61.0	63.8	4.7	2.9	5.4	7.4	4.7	8.4
La Crosse	44.2	46.4	46.7	2.3	2.5	2.5	5.2	5.3	5.4
Madison	177.3	173.4	173.9	6.1	5.7	7.2	3.4	3.3	4.2
Milwaukee	729.2	724.7	728.2	30.5	29.1	29.7	4.2	4.0	4.1
Racine	89.8	89.4	90.7	4.3	4.3	5.1	4.8	4.8	5.7
WYOMING	194.1	208.1	205.9	7.3	8.5	7.3	3.8	4.1	3.5

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 1977 have been benchmarked to 1977 Current Population Survey annual averages. Except in the 10 largest States designated by footnote 2, estimates for 1978

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," or "Unemployment Rates for States and Local Governments, Second Quarter 1978." 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.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

Revised Seasonally Adjusted Labor Force Series

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL LABOR FORCE												
IN THOUSANDS												
1974.....	92,625	92,891	92,884	92,598	92,920	93,163	93,491	93,293	93,733	93,686	93,943	93,977
1975.....	94,257	93,901	94,299	94,440	94,971	94,620	95,043	95,141	95,214	95,175	95,182	95,362
1976.....	95,754	95,829	96,056	96,500	96,617	96,664	97,328	97,432	97,288	97,310	97,894	97,986
1977.....	97,907	98,453	98,792	98,881	99,190	99,637	99,446	99,835	99,942	100,162	100,970	100,877
1978.....	101,336	101,263	101,557	101,885	102,222	102,602	102,738	102,785	103,097	103,199	103,745	103,975
CIVILIAN LABOR FORCE												
1974.....	90,367	90,633	90,633	90,355	90,690	90,952	91,271	91,073	91,516	91,473	91,731	91,765
1975.....	92,064	91,703	92,101	92,245	92,790	92,442	92,857	92,956	93,044	93,011	93,027	93,205
1976.....	93,614	93,683	93,909	94,356	94,475	94,527	95,188	95,188	95,143	95,163	95,745	95,840
1977.....	95,774	96,316	96,654	96,749	97,062	97,508	97,311	97,698	97,811	98,028	98,838	98,748
1978.....	99,215	99,139	99,435	99,767	100,109	100,504	100,622	100,663	100,974	101,077	101,628	101,867
CIVILIAN LABOR FORCE - MALES												
1974.....	55,236	55,239	55,128	54,871	55,077	55,126	55,031	55,091	55,325	55,373	55,482	55,434
1975.....	55,413	55,327	55,451	55,478	55,791	55,544	55,799	55,741	55,849	55,696	55,723	55,557
1976.....	55,850	55,866	55,952	56,265	56,269	56,185	56,479	56,497	56,555	56,598	56,768	56,825
1977.....	56,808	57,065	57,105	57,097	57,270	57,539	57,414	57,522	57,398	57,802	58,037	58,068
1978.....	58,248	58,164	58,277	58,280	58,404	58,582	58,502	58,517	58,559	58,725	59,019	59,116
CIVILIAN LABOR FORCE - FEMALES												
1974.....	35,131	35,394	35,505	35,484	35,613	35,826	36,240	35,982	36,191	36,100	36,249	36,331
1975.....	36,651	36,376	36,650	36,767	36,999	36,898	37,058	37,215	37,195	37,315	37,304	37,548
1976.....	37,764	37,817	37,957	38,091	38,206	38,342	38,709	38,788	38,588	38,565	38,977	39,115
1977.....	38,966	39,251	39,549	39,652	39,792	39,969	39,897	40,176	40,413	40,226	40,801	40,680
1978.....	40,967	40,975	41,158	41,487	41,705	41,922	42,120	42,146	42,415	42,352	42,609	42,751
CIVILIAN LABOR FORCE - BOTH SEXES 16-19 YEARS												
1974.....	8,795	8,819	8,809	8,621	8,709	8,888	8,839	8,665	8,981	8,957	8,905	8,320
1975.....	8,880	8,757	8,776	8,690	8,857	8,765	8,821	8,788	8,837	8,764	8,714	8,925
1976.....	8,894	8,899	8,937	9,062	9,029	8,882	9,120	9,072	8,879	8,971	8,970	8,938
1977.....	8,952	9,091	9,177	9,177	9,126	9,461	9,280	9,431	9,238	9,345	9,448	9,319
1978.....	9,400	9,326	9,353	9,406	9,518	9,663	9,648	9,724	9,594	9,624	9,595	9,617
CIVILIAN LABOR FORCE - MALES 16-19 YEARS												
1974.....	4,836	4,836	4,838	4,742	4,802	4,879	4,824	4,737	4,903	4,861	4,856	4,317
1975.....	4,785	4,762	4,769	4,723	4,789	4,780	4,777	4,731	4,772	4,727	4,711	4,720
1976.....	4,819	4,811	4,810	4,923	4,855	4,750	4,877	4,859	4,780	4,841	4,822	4,363
1977.....	4,807	4,866	4,917	4,933	5,004	5,090	5,016	5,006	4,968	5,050	5,118	5,067
1978.....	5,079	5,003	5,042	5,004	5,021	5,133	5,101	5,121	5,100	5,132	5,081	5,083
CIVILIAN LABOR FORCE - FEMALES 16-19 YEARS												
1974.....	3,959	3,983	3,971	3,879	3,907	4,009	4,015	3,928	4,078	4,096	4,049	4,003
1975.....	4,095	3,995	4,007	3,967	4,068	3,985	4,044	4,057	4,065	4,037	4,003	4,105
1976.....	4,075	4,088	4,127	4,139	4,174	4,132	4,243	4,213	4,099	4,130	4,148	4,075
1977.....	4,145	4,225	4,260	4,244	4,122	4,371	4,264	4,425	4,270	4,295	4,330	4,252
1978.....	4,321	4,323	4,311	4,402	4,497	4,530	4,547	4,603	4,494	4,492	4,514	4,534
CIVILIAN LABOR FORCE - BOTH SEXES 20 YEARS AND OVER												
1974.....	81,572	81,814	81,824	81,734	81,981	82,064	82,432	82,408	82,535	82,516	82,826	82,945
1975.....	83,184	82,946	83,325	83,555	83,933	83,677	84,036	84,168	84,207	84,247	84,313	84,380
1976.....	84,720	84,784	84,972	85,294	85,446	85,645	86,068	86,213	86,264	86,192	86,775	86,902
1977.....	86,822	87,225	87,477	87,572	87,936	88,047	88,031	88,267	88,573	88,683	89,390	89,429
1978.....	89,815	89,813	90,082	90,361	90,591	90,841	90,974	90,939	91,380	91,453	92,033	92,250
CIVILIAN LABOR FORCE - MALES 20 YEARS AND OVER												
1974.....	50,400	50,403	50,290	50,129	50,275	50,247	50,207	50,354	50,422	50,512	50,626	50,617
1975.....	50,628	50,565	50,682	50,755	51,002	50,764	51,022	51,010	51,077	50,969	51,012	50,937
1976.....	51,031	51,055	51,142	51,342	51,414	51,435	51,602	51,638	51,775	51,757	51,946	51,962
1977.....	52,001	52,199	52,188	52,164	52,266	52,449	52,398	52,516	52,430	52,752	52,919	53,001
1978.....	53,169	53,161	53,235	53,276	53,383	53,449	53,401	53,396	53,459	53,593	53,938	54,033
CIVILIAN LABOR FORCE - FEMALES 20 YEARS AND OVER												
1974.....	31,172	31,411	31,534	31,605	31,706	31,817	32,225	32,054	32,113	32,004	32,200	32,328
1975.....	32,556	32,381	32,643	32,800	32,931	32,913	33,014	33,158	33,130	33,278	33,301	33,443
1976.....	33,689	33,729	33,830	33,952	34,032	34,210	34,466	34,575	34,489	34,435	34,829	34,940
1977.....	34,821	35,026	35,289	35,408	35,670	35,598	35,633	35,751	36,143	35,931	36,471	36,428
1978.....	36,646	36,652	36,847	37,085	37,208	37,392	37,573	37,543	37,921	37,860	38,095	38,217
CIVILIAN LABOR FORCE - BOTH SEXES 20-24 YEARS												
1974.....	12,856	12,970	12,944	12,953	13,030	12,975	13,058	13,113	13,251	13,262	13,338	13,374
1975.....	13,359	13,335	13,372	13,434	13,545	13,356	13,544	13,568	13,603	13,533	13,455	13,602
1976.....	13,637	13,697	13,727	13,928	13,927	13,891	14,063	13,967	13,965	14,068	14,196	14,226
1977.....	14,222	14,337	14,335	14,264	14,262	14,430	14,431	14,509	14,582	14,528	14,571	14,641
1978.....	14,739	14,670	14,723	14,867	14,783	14,931	14,962	14,969	15,065	15,071	15,062	15,166
CIVILIAN LABOR FORCE - MALES 20-24 YEARS												
1974.....	7,256	7,228	7,163	7,178	7,242	7,219	7,183	7,214	7,338	7,367	7,392	7,344
1975.....	7,335	7,331	7,352	7,384	7,434	7,327	7,442	7,457	7,507	7,449	7,394	7,445
1976.....	7,470	7,541	7,521	7,651	7,648	7,606	7,696	7,646	7,698	7,775	7,830	7,876
1977.....	7,858	7,874	7,839	7,796	7,727	7,854	7,878	7,956	7,902	7,922	7,910	7,942
1978.....	7,991	7,941	8,000	8,053	7,988	8,050	8,016	8,086	8,074	8,125	8,177	8,173

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE - FEMALES 20-24 YEARS												
IN THOUSANDS												
1974.....	5,600	5,742	5,781	5,775	5,788	5,756	5,875	5,899	5,913	5,895	5,946	6,230
1975.....	6,024	6,004	6,020	6,050	6,111	6,029	6,102	6,111	6,096	6,084	6,061	6,157
1976.....	6,167	6,156	6,206	6,277	6,279	6,285	6,367	6,321	6,267	6,293	6,366	6,350
1977.....	6,364	6,463	6,496	6,468	6,535	6,576	6,553	6,553	6,680	6,606	6,661	6,599
1978.....	6,748	6,729	6,723	6,814	6,795	6,881	6,946	6,883	6,991	6,946	6,885	6,993
CIVILIAN LABOR FORCE - BOTH SEXES 25 YEARS AND OVER												
1974.....	68,706	68,859	68,826	68,791	68,937	69,059	69,381	69,246	69,361	69,405	69,434	69,557
1975.....	69,794	69,576	69,871	70,131	70,332	70,352	70,585	70,570	70,709	70,905	70,791	70,748
1976.....	71,055	71,059	71,185	71,382	71,474	71,752	72,086	72,184	72,386	72,301	72,515	72,551
1977.....	72,590	72,868	73,100	73,320	73,629	73,594	73,676	73,659	74,041	74,313	74,765	74,778
1978.....	75,080	75,134	75,320	75,513	75,772	75,870	76,074	75,849	76,357	76,545	76,927	77,085
CIVILIAN LABOR FORCE - MALES 25 YEARS AND OVER												
1974.....	43,096	43,167	43,075	42,963	43,013	43,019	43,016	43,136	43,153	43,269	43,216	43,279
1975.....	43,226	43,181	43,253	43,383	43,502	43,457	43,618	43,593	43,679	43,671	43,589	43,489
1976.....	43,508	43,470	43,564	43,703	43,709	43,825	43,923	44,016	44,173	44,094	44,096	44,094
1977.....	44,119	44,288	44,312	44,377	44,479	44,569	44,529	44,566	44,591	44,911	44,994	45,072
1978.....	45,172	45,192	45,204	45,232	45,347	45,360	45,381	45,313	45,445	45,531	45,753	45,380
CIVILIAN LABOR FORCE - FEMALES 25 YEARS AND OVER												
1974.....	25,610	25,692	25,751	25,828	25,924	26,040	26,365	26,110	26,208	26,136	26,218	26,278
1975.....	26,568	26,395	26,618	26,748	26,830	26,895	26,967	26,977	27,030	27,234	27,202	27,259
1976.....	27,547	27,589	27,621	27,679	27,765	27,927	28,163	28,168	28,213	28,207	28,419	28,557
1977.....	28,471	28,580	28,788	28,943	29,150	29,025	29,147	29,093	29,450	29,402	29,771	29,706
1978.....	29,908	29,942	30,116	30,281	30,425	30,510	30,693	30,536	30,912	31,014	31,174	31,205
CIVILIAN LABOR FORCE - BOTH SEXES 25-54 YEARS												
1974.....	54,574	54,628	54,601	54,583	54,793	54,972	55,263	55,142	55,240	55,359	55,499	55,528
1975.....	55,649	55,391	55,684	55,883	56,043	56,197	56,297	56,532	56,558	56,793	56,683	56,698
1976.....	56,808	56,941	57,098	57,329	57,402	57,661	57,926	58,038	58,113	58,097	58,285	58,483
1977.....	58,447	58,652	58,925	59,026	59,206	59,374	59,439	59,550	59,656	59,780	60,185	60,299
1978.....	60,591	60,658	60,872	60,931	61,118	61,183	61,437	61,410	61,744	61,898	62,144	62,396
CIVILIAN LABOR FORCE - MALES 25-54 YEARS												
1974.....	34,157	34,090	34,073	33,948	34,088	34,125	34,124	34,175	34,193	34,299	34,350	34,343
1975.....	34,280	34,175	34,324	34,397	34,567	34,607	34,678	34,745	34,787	34,877	34,818	34,741
1976.....	34,730	34,727	34,828	34,944	34,970	35,029	35,172	35,184	35,280	35,290	35,316	35,325
1977.....	35,324	35,428	35,489	35,546	35,588	35,692	35,666	35,734	35,714	35,916	35,998	36,087
1978.....	36,253	36,210	36,261	36,242	36,332	36,266	36,368	36,343	36,465	36,498	36,669	36,809
CIVILIAN LABOR FORCE - FEMALES 25-54 YEARS												
1974.....	20,417	20,538	20,528	20,635	20,705	20,847	21,139	20,967	21,047	21,060	21,149	21,185
1975.....	21,369	21,216	21,360	21,486	21,476	21,590	21,619	21,787	21,771	21,916	21,865	21,957
1976.....	22,158	22,214	22,270	22,385	22,432	22,632	22,754	22,854	22,833	22,807	22,969	23,158
1977.....	23,123	23,224	23,436	23,480	23,618	23,682	23,773	23,816	23,942	23,864	24,187	24,212
1978.....	24,338	24,448	24,611	24,689	24,786	24,917	25,069	25,067	25,279	25,400	25,475	25,587
CIVILIAN LABOR FORCE - WHITE WORKERS												
1974.....	79,920	80,223	80,254	80,113	80,372	80,665	80,922	80,782	81,179	81,133	81,358	81,372
1975.....	81,628	81,294	81,640	81,809	82,284	82,021	82,369	82,406	82,422	82,481	82,368	82,544
1976.....	82,868	82,915	83,055	83,416	83,609	83,760	84,246	84,379	84,258	84,343	84,642	84,760
1977.....	84,730	85,212	85,504	85,608	85,882	86,279	85,953	86,280	86,434	86,715	87,262	87,065
1978.....	87,474	87,423	87,554	87,902	88,168	88,626	88,503	88,655	88,862	89,067	89,468	89,747
CIVILIAN LABOR FORCE - WHITE WORKERS 16-19 YEARS												
1974.....	7,831	7,868	7,834	7,724	7,759	7,942	7,839	7,735	8,038	7,972	7,958	7,395
1975.....	7,970	7,800	7,849	7,743	7,874	7,838	7,903	7,885	7,911	7,830	7,809	7,386
1976.....	7,951	7,950	7,965	8,088	8,051	8,015	8,177	8,139	7,989	8,067	8,050	8,033
1977.....	8,066	8,212	8,287	8,286	8,228	8,469	8,234	8,382	8,268	8,366	8,448	8,297
1978.....	8,394	8,312	8,328	8,370	8,445	8,602	8,450	8,683	8,576	8,599	8,556	8,564
CIVILIAN LABOR FORCE - WHITE MALES 16-19 YEARS												
1974.....	4,289	4,291	4,272	4,240	4,278	4,366	4,265	4,213	4,372	4,303	4,310	4,299
1975.....	4,305	4,257	4,267	4,218	4,270	4,287	4,299	4,259	4,295	4,238	4,234	4,241
1976.....	4,322	4,294	4,292	4,402	4,320	4,282	4,350	4,385	4,280	4,335	4,320	4,352
1977.....	4,329	4,385	4,432	4,465	4,494	4,562	4,403	4,420	4,438	4,522	4,572	4,513
1978.....	4,535	4,455	4,488	4,439	4,462	4,597	4,437	4,609	4,570	4,597	4,546	4,559
CIVILIAN LABOR FORCE - WHITE FEMALES 16-19 YEARS												
1974.....	3,542	3,577	3,562	3,484	3,481	3,576	3,574	3,522	3,666	3,669	3,648	3,596
1975.....	3,665	3,543	3,582	3,525	3,604	3,551	3,604	3,626	3,616	3,592	3,575	3,645
1976.....	3,629	3,656	3,673	3,686	3,731	3,733	3,827	3,754	3,709	3,732	3,730	3,681
1977.....	3,737	3,827	3,855	3,821	3,734	3,907	3,831	3,962	3,830	3,844	3,876	3,784
1978.....	3,859	3,857	3,840	3,931	3,983	4,005	4,013	4,074	4,006	4,002	4,010	4,005
CIVILIAN LABOR FORCE - WHITE WORKERS 20 YEARS AND OVER												
1974.....	72,089	72,355	72,420	72,389	72,613	72,723	73,083	73,047	73,141	73,161	73,400	73,477
1975.....	73,658	73,494	73,791	74,066	74,410	74,183	74,466	74,521	74,511	74,651	74,559	74,658
1976.....	74,917	74,965	75,090	75,328	75,558	75,745	76,069	76,240	76,269	76,276	76,592	76,727
1977.....	76,664	77,000	77,217	77,322	77,654	77,810	77,719	77,898	78,156	78,349	78,814	78,768
1978.....	79,080	79,111	79,226	79,532	79,723	80,024	80,053	79,972	80,286	80,468	80,912	81,183

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE - WHITE MALES 20 YEARS AND OVER												
IN THOUSANDS												
1974.....	45,110	45,131	45,038	44,973	45,106	45,123	45,107	45,241	45,335	45,434	45,442	45,405
1975.....	45,355	45,323	45,442	45,561	45,791	45,644	45,796	45,753	45,815	45,776	45,698	45,541
1976.....	45,730	45,745	45,856	45,994	46,074	46,152	46,278	46,300	46,444	46,411	46,510	46,501
1977.....	46,503	46,652	46,653	46,686	46,788	46,989	46,909	47,013	47,017	47,247	47,358	47,392
1978.....	47,468	47,492	47,525	47,577	47,668	47,810	47,710	47,707	47,684	47,791	48,103	48,202
CIVILIAN LABOR FORCE - WHITE FEMALES 20 YEARS AND OVER												
1974.....	26,979	27,224	27,382	27,416	27,507	27,600	27,976	27,806	27,806	27,727	27,958	28,072
1975.....	28,303	28,171	28,349	28,505	28,619	28,539	28,670	28,768	28,696	28,875	28,861	29,017
1976.....	29,187	29,220	29,234	29,334	29,484	29,593	29,791	29,940	29,825	29,865	30,082	30,226
1977.....	30,161	30,348	30,564	30,636	30,866	30,821	30,810	30,885	31,149	31,102	31,456	31,376
1978.....	31,612	31,619	31,701	31,955	32,055	32,214	32,343	32,265	32,602	32,677	32,809	32,981
CIVILIAN LABOR FORCE - BLACK AND OTHER WORKERS												
1974.....	10,376	10,344	10,294	10,207	10,277	10,327	10,317	10,321	10,403	10,447	10,369	10,369
1975.....	10,386	10,388	10,394	10,395	10,467	10,502	10,518	10,628	10,710	10,682	10,661	10,645
1976.....	10,692	10,777	10,808	10,887	10,821	10,831	10,879	10,961	10,913	10,950	11,099	11,088
1977.....	11,035	11,146	11,117	11,084	11,149	11,324	11,249	11,390	11,362	11,423	11,561	11,708
1978.....	11,725	11,773	11,852	11,802	11,906	11,974	12,010	11,994	12,084	12,122	12,163	12,153
CIVILIAN LABOR FORCE - BLACK AND OTHER WORKERS 16-19 YEARS												
1974.....	979	928	953	896	922	961	963	925	973	987	932	926
1975.....	933	971	924	951	952	948	926	916	954	949	912	937
1976.....	955	947	967	968	945	860	901	946	912	919	938	915
1977.....	904	901	896	884	874	992	984	1,027	986	995	1,017	1,025
1978.....	1,010	1,041	1,038	1,023	1,051	1,062	1,135	1,036	1,038	1,037	1,068	1,062
CIVILIAN LABOR FORCE - BLACK AND OTHER MALES 16-19 YEARS												
1974.....	562	525	549	506	499	529	536	524	545	557	536	513
1975.....	504	527	501	513	495	513	484	481	489	493	474	476
1976.....	507	508	515	520	510	464	483	496	507	513	511	518
1977.....	488	495	494	463	492	530	553	583	533	536	558	558
1978.....	550	573	568	558	546	544	600	522	535	541	562	543
CIVILIAN LABOR FORCE - BLACK AND OTHER FEMALES 16-19 YEARS												
1974.....	417	403	404	390	423	432	427	401	428	430	396	413
1975.....	429	444	423	438	457	435	442	435	465	456	438	461
1976.....	448	439	452	448	435	396	418	450	405	406	427	397
1977.....	416	406	402	421	382	462	431	444	453	459	459	467
1978.....	460	468	470	465	505	518	535	514	503	496	506	519
CIVILIAN LABOR FORCE - BLACK AND OTHER WORKERS 20 YEARS AND OVER												
1974.....	9,397	9,416	9,341	9,311	9,355	9,366	9,354	9,396	9,430	9,460	9,437	9,443
1975.....	9,453	9,417	9,470	9,444	9,515	9,554	9,592	9,712	9,756	9,733	9,749	9,708
1976.....	9,737	9,830	9,841	9,919	9,876	9,971	9,978	10,015	10,001	10,031	10,161	10,173
1977.....	10,131	10,245	10,221	10,200	10,275	10,332	10,265	10,363	10,376	10,428	10,544	10,683
1978.....	10,715	10,732	10,814	10,779	10,855	10,912	10,875	10,958	11,046	11,085	11,095	11,091
CIVILIAN LABOR FORCE - BLACK AND OTHER MALES 20 YEARS AND OVER												
1974.....	5,209	5,234	5,193	5,146	5,154	5,177	5,128	5,153	5,135	5,166	5,179	5,183
1975.....	5,190	5,169	5,166	5,158	5,197	5,196	5,274	5,319	5,345	5,290	5,307	5,280
1976.....	5,228	5,256	5,239	5,312	5,336	5,372	5,357	5,379	5,370	5,396	5,432	5,474
1977.....	5,454	5,503	5,504	5,440	5,479	5,545	5,498	5,514	5,415	5,526	5,554	5,638
1978.....	5,666	5,652	5,688	5,665	5,713	5,721	5,703	5,692	5,759	5,808	5,829	5,867
CIVILIAN LABOR FORCE - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1974.....	4,188	4,182	4,148	4,165	4,201	4,189	4,226	4,243	4,295	4,294	4,258	4,260
1975.....	4,263	4,248	4,304	4,286	4,318	4,358	4,318	4,393	4,411	4,443	4,442	4,428
1976.....	4,509	4,574	4,602	4,607	4,540	4,599	4,621	4,636	4,631	4,635	4,729	4,699
1977.....	4,677	4,742	4,717	4,760	4,796	4,787	4,767	4,849	4,961	4,902	4,990	5,045
1978.....	5,049	5,080	5,126	5,114	5,142	5,191	5,172	5,266	5,287	5,277	5,266	5,224
CIVILIAN LABOR FORCE BLACK WORKERS												
1974.....	9,093	9,042	8,976	8,976	9,065	9,034	9,041	9,012	9,142	9,172	9,082	9,042
1975.....	9,071	9,011	9,081	9,024	9,112	9,141	9,093	9,179	9,244	9,188	9,187	9,199
1976.....	9,253	9,281	9,325	9,449	9,336	9,360	9,362	9,475	9,387	9,421	9,548	9,525
1977.....	9,498	9,599	9,606	9,548	9,638	9,771	9,681	9,853	9,821	9,867	9,926	10,075
1978.....	10,054	10,076	10,128	10,065	10,176	10,230	10,242	10,201	10,301	10,371	10,350	10,328
CIVILIAN LABOR FORCE - BLACK WORKERS 16-19 YEARS												
1974.....	857	820	839	798	843	862	856	798	870	878	827	819
1975.....	821	838	825	847	841	842	803	771	826	819	802	832
1976.....	835	825	848	898	850	774	792	848	806	801	813	807
1977.....	778	780	770	769	775	886	845	905	882	884	904	942
1978.....	887	908	904	887	918	923	948	881	894	899	921	915
CIVILIAN LABOR FORCE - BLACK MALES 16-19 YEARS												
1974.....	483	462	486	453	468	473	475	450	489	496	475	465
1975.....	446	453	443	461	451	476	436	403	421	424	413	416
1976.....	445	432	439	497	461	415	427	455	451	451	438	446
1977.....	414	428	427	401	443	478	486	519	474	485	508	499
1978.....	484	501	496	484	485	467	498	439	460	464	487	463

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	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE - BLACK FEMALES 16-19 YEARS												
IN THOUSANDS												
1974.....	374	358	353	345	375	389	381	348	381	382	352	354
1975.....	375	385	382	386	390	366	367	368	405	395	389	416
1976.....	390	393	409	401	389	359	365	393	355	350	375	341
1977.....	364	352	343	368	332	408	359	386	408	399	396	403
1978.....	403	407	408	403	433	456	450	442	434	435	434	452
CIVILIAN LABOR FORCE - BLACK WORKERS 20 YEARS AND OVER												
1974.....	8,236	8,222	8,137	8,178	8,222	8,172	8,185	8,214	8,272	8,294	8,255	8,223
1975.....	8,250	8,173	8,256	8,177	8,271	8,299	8,290	8,408	8,418	8,369	8,385	8,367
1976.....	8,418	8,456	8,477	8,551	8,486	8,586	8,570	8,627	8,581	8,620	8,735	8,738
1977.....	8,720	8,819	8,836	8,779	8,863	8,885	8,836	8,948	8,939	8,983	9,022	9,173
1978.....	9,167	9,168	9,224	9,178	9,258	9,307	9,294	9,320	9,407	9,472	9,429	9,413
CIVILIAN LABOR FORCE - BLACK MALES 20 YEARS AND OVER												
1974.....	4,543	4,543	4,513	4,490	4,498	4,498	4,441	4,480	4,474	4,511	4,504	4,480
1975.....	4,512	4,451	4,478	4,426	4,488	4,493	4,534	4,600	4,606	4,546	4,550	4,527
1976.....	4,498	4,517	4,493	4,546	4,548	4,597	4,586	4,619	4,599	4,615	4,665	4,570
1977.....	4,676	4,713	4,734	4,651	4,671	4,736	4,692	4,733	4,673	4,741	4,783	4,781
1978.....	4,819	4,802	4,856	4,799	4,834	4,844	4,838	4,811	4,869	4,931	4,932	4,932
CIVILIAN LABOR FORCE - BLACK FEMALES 20 YEARS AND OVER												
1974.....	3,693	3,679	3,624	3,688	3,724	3,674	3,744	3,734	3,798	3,783	3,751	3,743
1975.....	3,738	3,722	3,778	3,751	3,783	3,806	3,756	3,808	3,812	3,823	3,835	3,840
1976.....	3,920	3,939	3,984	4,005	3,938	3,992	3,984	4,008	3,982	4,005	4,070	4,068
1977.....	4,044	4,106	4,102	4,128	4,192	4,149	4,144	4,215	4,266	4,242	4,279	4,392
1978.....	4,348	4,366	4,368	4,379	4,424	4,463	4,456	4,509	4,538	4,541	4,497	4,481
CIVILIAN LABOR FORCE - FULL-TIME WORKERS												
1974.....	77,183	77,402	77,304	77,413	77,529	77,676	77,859	78,023	78,339	78,402	78,393	78,396
1975.....	78,733	78,455	78,665	78,871	79,411	78,683	78,869	79,172	79,621	79,655	79,526	79,770
1976.....	79,856	79,961	80,350	80,560	80,695	80,484	81,023	81,037	80,949	81,261	81,647	81,876
1977.....	81,779	82,048	82,194	82,274	82,654	83,241	83,049	83,282	83,285	83,487	83,877	83,920
1978.....	84,389	84,485	84,628	84,842	84,957	85,965	85,894	86,030	85,899	86,185	86,391	86,631
CIVILIAN LABOR FORCE - FULL-TIME WORKERS 16-19 YEARS												
1974.....	4,938	4,870	4,886	4,884	4,884	4,970	4,982	4,915	5,126	5,038	5,020	4,926
1975.....	4,893	4,851	4,804	4,836	5,050	4,740	4,785	4,760	4,839	4,827	4,741	4,820
1976.....	4,816	4,935	5,016	5,031	4,991	4,644	4,853	4,862	4,774	4,887	4,878	4,913
1977.....	4,964	4,951	4,971	4,995	4,998	5,277	5,065	5,181	5,088	5,078	5,131	5,098
1978.....	5,118	5,044	5,006	5,006	5,183	5,648	5,409	5,534	5,208	5,158	5,109	5,078
CIVILIAN LABOR FORCE - FULL-TIME MALES 20 YEARS AND OVER												
1974.....	47,815	47,936	47,801	47,757	47,827	47,807	47,746	47,943	47,928	48,082	48,120	48,333
1975.....	48,091	47,961	48,022	48,205	48,349	48,151	48,344	48,445	48,629	48,539	48,494	48,497
1976.....	48,456	48,400	48,626	48,723	48,850	48,862	49,096	49,123	49,268	49,277	49,328	49,338
1977.....	49,293	49,440	49,490	49,446	49,555	49,867	49,799	49,786	49,710	50,061	50,158	50,197
1978.....	50,399	50,474	50,396	50,608	50,595	50,748	50,708	50,751	50,753	51,004	51,117	51,324
CIVILIAN LABOR FORCE - FULL-TIME FEMALES 20 YEARS AND OVER												
1974.....	24,430	24,596	24,617	24,772	24,818	24,899	25,131	25,165	25,285	25,282	25,253	25,437
1975.....	25,749	25,643	25,839	25,830	26,012	25,792	25,740	25,967	26,153	26,289	26,291	26,453
1976.....	26,584	26,626	26,708	26,806	26,854	26,978	27,074	27,052	26,907	27,097	27,441	27,625
1977.....	27,522	27,657	27,733	27,833	28,101	28,097	28,185	28,315	28,487	28,348	28,588	28,625
1978.....	28,872	28,967	29,226	29,228	29,179	29,569	29,777	29,745	29,938	30,023	30,165	30,229
CIVILIAN LABOR FORCE - PART-TIME WORKERS												
1974.....	13,201	13,168	13,166	12,994	13,170	13,205	13,384	13,021	13,240	13,215	13,283	13,296
1975.....	13,363	13,246	13,335	13,417	13,378	13,748	14,103	13,864	13,537	13,578	13,489	13,377
1976.....	13,753	13,742	13,520	13,818	13,764	14,044	14,212	14,377	14,200	14,067	14,046	13,927
1977.....	14,017	14,313	14,442	14,448	14,401	14,238	14,257	14,512	14,449	14,662	14,866	14,782
1978.....	14,805	14,712	14,782	14,880	15,106	14,506	14,749	14,720	14,952	14,996	15,150	15,205
CIVILIAN LABOR FORCE - PART-TIME WORKERS 16-19 YEARS												
1974.....	3,837	3,900	3,875	3,782	3,856	3,896	3,809	3,717	3,882	3,911	3,870	3,898
1975.....	3,983	3,918	3,959	3,911	3,860	4,024	4,056	4,034	4,011	3,947	3,987	4,010
1976.....	4,061	3,961	3,914	4,049	4,074	4,257	4,257	4,292	4,100	4,085	4,106	4,350
1977.....	3,992	4,156	4,203	4,173	4,169	4,163	4,169	4,309	4,131	4,260	4,302	4,220
1978.....	4,253	4,300	4,331	4,356	4,347	3,983	4,208	4,252	4,369	4,442	4,465	4,533
CIVILIAN LABOR FORCE - PART-TIME MALES 20 YEARS AND OVER												
1974.....	2,557	2,427	2,414	2,393	2,412	2,439	2,488	2,436	2,547	2,545	2,505	2,540
1975.....	2,496	2,521	2,561	2,549	2,600	2,639	2,751	2,633	2,567	2,577	2,534	2,409
1976.....	2,536	2,587	2,467	2,630	2,538	2,592	2,552	2,538	2,579	2,577	2,609	2,607
1977.....	2,689	2,699	2,661	2,711	2,704	2,585	2,632	2,770	2,748	2,753	2,737	2,795
1978.....	2,753	2,655	2,807	2,671	2,780	2,705	2,732	2,652	2,714	2,645	2,794	2,717
CIVILIAN LABOR FORCE - PART-TIME FEMALES 20 YEARS AND OVER												
1974.....	6,807	6,841	6,877	6,819	6,902	6,870	7,087	6,868	6,811	6,759	6,908	6,358
1975.....	6,884	6,807	6,815	6,957	6,918	7,085	7,296	7,197	6,959	7,054	6,968	6,958
1976.....	7,156	7,194	7,139	7,139	7,152	7,195	7,403	7,547	7,521	7,405	7,331	7,270
1977.....	7,336	7,458	7,578	7,564	7,528	7,490	7,456	7,433	7,570	7,649	7,827	7,767
1978.....	7,799	7,757	7,644	7,853	7,979	7,818	7,809	7,816	7,869	7,909	7,891	7,955

**HOUSEHOLD DATA
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	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE												
1974.....	61.3	61.4	61.3	61.0	61.2	61.2	61.4	61.2	61.4	61.2	61.3	61.3
1975.....	61.4	61.0	61.2	61.2	61.5	61.2	61.3	61.3	61.3	61.2	61.1	61.1
1976.....	61.3	61.2	61.3	61.5	61.5	61.5	61.8	61.8	61.6	61.5	61.8	61.8
1977.....	61.7	62.0	62.1	62.1	62.2	62.4	62.2	62.3	62.3	62.4	62.8	62.7
1978.....	62.9	62.7	62.9	63.0	63.1	63.3	63.3	63.2	63.3	63.3	63.6	63.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES												
1974.....	79.5	79.4	79.1	78.6	78.8	78.7	78.5	78.4	78.6	78.6	78.6	78.4
1975.....	78.3	78.0	78.1	78.0	78.4	77.9	78.1	77.9	77.9	77.6	77.5	77.3
1976.....	77.4	77.3	77.3	77.7	77.6	77.3	77.6	77.6	77.5	77.5	77.6	77.5
1977.....	77.4	77.6	77.6	77.5	77.6	77.8	77.6	77.6	77.3	77.8	78.0	77.9
1978.....	78.0	77.8	77.9	77.8	77.9	78.0	77.8	77.7	77.7	77.7	78.0	78.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES												
1974.....	45.1	45.4	45.5	45.4	45.5	45.7	46.1	45.7	45.9	45.8	45.9	45.9
1975.....	46.3	45.8	46.1	46.2	46.4	46.2	46.4	46.5	46.4	46.5	46.4	46.6
1976.....	46.8	46.9	47.0	47.1	47.1	47.3	47.6	47.7	47.3	47.3	47.7	47.7
1977.....	47.6	47.9	48.2	48.3	48.4	48.5	48.3	48.6	48.8	48.5	49.2	49.0
1978.....	49.2	49.2	49.4	49.7	49.9	50.1	50.3	50.2	50.5	50.3	50.6	50.7
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 16-19 YEARS												
1974.....	55.2	55.3	55.1	53.9	54.3	55.4	55.0	53.8	55.8	55.6	55.2	54.6
1975.....	55.0	54.2	54.2	53.6	54.6	54.0	54.2	53.9	54.1	53.6	53.3	53.9
1976.....	54.3	54.3	54.5	55.2	55.0	54.0	55.4	55.1	53.9	54.5	54.5	54.3
1977.....	54.4	55.3	55.7	55.7	55.4	57.4	56.3	57.2	56.0	56.7	57.4	56.6
1978.....	57.1	56.7	56.9	57.2	57.9	58.7	58.6	59.1	58.3	58.6	58.4	58.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 16-19 YEARS												
1974.....	61.4	61.3	61.2	59.9	60.5	61.4	60.6	59.5	61.5	60.9	60.8	60.3
1975.....	59.9	59.6	59.6	59.6	59.7	59.5	59.4	58.6	59.0	58.4	58.2	58.2
1976.....	59.5	59.3	59.3	60.6	59.7	58.3	59.8	59.6	58.6	59.4	59.1	59.7
1977.....	59.0	59.7	60.2	60.4	61.3	62.3	61.3	61.2	60.8	61.8	62.7	62.0
1978.....	62.2	61.3	61.8	61.3	61.5	62.7	62.4	62.6	62.4	62.8	62.2	62.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 16-19 YEARS												
1974.....	49.1	49.4	49.2	48.0	48.2	49.4	49.4	48.3	50.1	50.3	49.6	49.0
1975.....	50.1	48.9	48.9	48.4	49.6	48.5	49.2	49.3	49.3	49.0	48.5	49.7
1976.....	49.3	49.4	49.9	50.0	50.4	49.8	51.1	50.8	49.4	49.8	50.0	49.1
1977.....	49.9	50.9	51.3	51.1	49.6	52.6	51.3	53.3	51.4	51.7	52.2	51.3
1978.....	52.1	52.1	52.0	53.1	54.3	54.7	54.9	55.6	54.3	54.4	54.6	54.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 20 YEARS AND OVER												
1974.....	62.0	62.1	62.1	61.9	62.0	62.0	62.2	62.0	62.0	61.9	62.1	62.1
1975.....	62.1	61.9	62.1	62.2	62.3	62.0	62.2	62.2	62.1	62.1	62.0	62.0
1976.....	62.1	62.1	62.1	62.3	62.3	62.4	62.6	62.6	62.5	62.4	62.7	62.7
1977.....	62.6	62.8	62.9	62.8	63.0	63.0	62.9	62.9	63.0	63.0	63.4	63.4
1978.....	63.5	63.4	63.6	63.7	63.7	63.8	63.8	63.7	63.9	63.8	64.1	64.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 20 YEARS AND OVER												
1974.....	81.8	81.7	81.4	81.0	81.1	80.9	80.7	80.9	80.8	80.8	80.9	80.7
1975.....	80.6	80.4	80.5	80.5	80.7	80.2	80.5	80.3	80.3	80.0	79.9	79.7
1976.....	79.7	79.6	79.6	79.8	79.8	79.8	79.8	79.9	79.9	79.7	79.9	79.8
1977.....	79.7	79.9	79.8	79.6	79.6	79.8	79.6	79.6	79.4	79.7	79.9	79.9
1978.....	80.0	79.9	79.9	79.8	79.9	79.8	79.7	79.5	79.5	79.5	79.9	79.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 20 YEARS AND OVER												
1974.....	44.6	44.9	45.0	45.1	45.1	45.2	45.7	45.4	45.5	45.2	45.4	45.6
1975.....	45.8	45.5	45.8	46.0	46.1	46.0	46.0	46.2	46.1	46.2	46.2	46.3
1976.....	46.6	46.6	46.6	46.7	46.8	47.0	47.2	47.3	47.1	47.0	47.5	47.6
1977.....	47.3	47.6	47.8	47.9	48.2	48.0	48.0	48.1	48.6	48.2	48.8	48.7
1978.....	48.9	48.9	49.1	49.3	49.4	49.6	49.7	49.6	50.1	49.9	50.1	50.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 20-24 YEARS												
1974.....	73.6	74.1	73.8	73.7	73.9	73.5	73.8	73.9	74.5	74.3	74.6	74.6
1975.....	74.3	74.0	74.0	74.2	74.6	73.4	74.2	74.2	74.2	73.7	73.1	73.8
1976.....	73.8	74.0	74.0	75.0	74.8	74.5	75.3	74.6	74.5	74.9	75.5	75.6
1977.....	75.4	75.8	75.7	75.2	75.0	75.8	75.6	75.9	76.2	75.8	75.9	76.1
1978.....	76.5	76.0	76.2	76.8	76.2	76.9	77.0	77.0	77.4	77.3	77.2	77.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 20-24 YEARS												
1974.....	87.3	86.8	85.7	85.7	86.2	85.7	85.2	85.2	86.3	86.4	86.5	85.7
1975.....	85.1	84.9	84.9	85.0	85.3	83.9	85.0	84.9	85.2	84.3	83.5	83.9
1976.....	83.9	84.5	84.2	85.4	85.2	84.6	85.5	84.8	85.1	85.9	86.3	86.8
1977.....	86.3	86.3	85.8	85.1	84.2	85.5	85.6	86.3	85.5	85.6	85.4	85.6
1978.....	85.9	85.3	85.7	86.2	85.3	85.9	85.4	86.1	85.9	86.3	86.8	86.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 20-24 YEARS												
1974.....	61.1	62.5	62.9	62.7	62.7	62.3	63.5	63.6	63.6	63.3	63.7	64.5
1975.....	64.3	64.0	64.0	64.2	64.7	63.7	64.3	64.3	64.0	63.8	63.5	64.4
1976.....	64.4	64.2	64.6	65.2	65.1	65.1	65.8	65.2	64.5	64.8	65.4	65.1
1977.....	65.1	66.0	66.3	65.9	66.4	66.7	66.4	66.3	67.4	66.6	67.0	67.3
1978.....	67.7	67.4	67.3	68.1	67.8	68.5	69.1	68.4	69.4	68.9	68.2	69.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 25 YEARS AND OVER												
1974.....	60.3	60.3	60.2	60.1	60.1	60.2	60.4	60.2	60.2	60.1	60.1	60.1
1975.....	60.2	60.0	60.1	60.3	60.4	60.3	60.4	60.3	60.3	60.4	60.2	60.1
1976.....	60.3	60.2	60.2	60.3	60.3	60.4	60.6	60.6	60.7	60.5	60.6	60.7
1977.....	60.5	60.7	60.8	60.9	61.0	60.9	60.9	60.8	61.0	61.1	61.4	61.3
1978.....	61.5	61.5	61.5	61.6	61.7	61.7	61.8	61.5	61.8	61.8	62.1	62.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 25 YEARS AND OVER												
1974.....	80.8	80.9	80.6	80.3	80.2	80.1	80.0	80.2	80.1	80.2	80.0	80.0
1975.....	79.7	79.6	79.6	79.8	79.9	79.7	79.8	79.7	79.7	79.6	79.3	79.0
1976.....	78.9	78.7	78.8	79.0	78.9	79.0	79.0	79.1	79.2	79.0	78.8	78.6
1977.....	78.6	78.8	78.7	78.7	78.8	78.8	78.6	78.6	78.5	78.9	78.9	79.0
1978.....	79.0	78.9	78.9	78.8	78.9	78.8	78.7	78.5	78.6	78.5	78.8	78.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 25 YEARS AND OVER												
1974.....	42.2	42.3	42.3	42.4	42.5	42.6	43.1	42.6	42.7	42.5	42.6	42.7
1975.....	43.1	42.7	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.6	43.5	43.5
1976.....	43.9	43.9	43.9	43.9	44.0	44.2	44.5	44.4	44.4	44.4	44.6	44.8
1977.....	44.6	44.7	45.0	45.2	45.4	45.2	45.3	45.1	45.6	45.5	46.0	45.8
1978.....	46.1	46.1	46.3	46.5	46.6	46.7	46.9	46.6	47.1	47.1	47.3	47.3
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 25-34 YEARS												
1974.....	73.3	73.2	73.2	72.9	73.2	73.1	73.3	73.4	73.6	73.8	74.2	73.8
1975.....	74.1	73.4	73.8	74.1	74.3	74.4	74.4	74.4	74.7	74.8	74.8	74.6
1976.....	75.0	74.7	75.1	75.4	75.5	75.8	75.9	76.0	75.9	75.6	76.0	76.2
1977.....	76.0	76.4	76.7	76.7	76.8	77.1	77.1	77.2	77.2	76.9	77.2	77.3
1978.....	77.3	77.6	78.0	78.2	78.2	78.2	78.3	78.2	78.4	78.5	78.8	79.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 25-34 YEARS												
1974.....	96.6	95.9	96.0	95.6	95.9	95.8	95.7	95.7	95.7	95.9	96.2	95.8
1975.....	95.5	94.9	95.2	95.5	95.5	95.4	95.4	95.2	95.2	95.7	95.4	95.0
1976.....	94.9	94.7	95.1	95.3	95.4	95.4	95.4	95.2	95.5	95.5	95.5	95.1
1977.....	95.1	95.3	95.5	95.5	95.2	95.5	95.4	95.4	95.1	95.4	95.3	95.4
1978.....	95.5	95.5	95.6	95.5	95.4	95.0	95.3	95.1	95.3	95.0	95.4	95.8
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 25-34 YEARS												
1974.....	51.5	52.0	51.9	51.7	51.9	51.7	52.2	52.6	52.8	53.1	53.5	53.2
1975.....	54.0	53.2	53.7	54.1	54.4	54.7	54.7	55.0	55.3	55.2	55.5	55.4
1976.....	56.2	55.9	56.3	56.7	56.8	57.3	57.6	57.9	57.4	56.9	57.6	58.3
1977.....	58.0	58.5	58.9	59.1	59.5	59.8	59.8	60.1	60.3	59.4	60.0	60.2
1978.....	60.1	60.8	61.5	62.0	62.0	62.3	62.3	62.2	62.5	62.9	63.1	63.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 35-44 YEARS												
1974.....	74.3	74.3	74.1	74.2	74.2	74.7	75.2	74.8	74.9	74.6	74.8	74.9
1975.....	74.9	74.5	74.5	74.9	74.8	74.9	75.0	75.5	75.2	75.3	75.1	75.1
1976.....	75.2	75.5	75.6	75.7	75.4	75.7	75.8	76.1	76.3	76.2	76.3	76.3
1977.....	76.3	76.3	76.5	76.6	76.9	76.8	77.2	77.0	76.8	77.1	77.6	77.5
1978.....	78.1	77.7	77.7	77.5	78.1	78.2	78.1	77.9	78.0	78.2	78.4	78.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 35-44 YEARS												
1974.....	96.5	96.4	96.3	95.9	96.0	96.0	95.8	96.0	96.0	96.0	95.9	95.9
1975.....	95.5	95.2	95.4	95.4	95.8	96.0	96.1	96.0	96.0	95.7	95.7	95.3
1976.....	95.1	95.2	95.3	95.4	95.2	94.9	95.6	95.6	95.8	95.4	95.5	95.4
1977.....	95.4	95.5	95.6	95.6	95.8	95.6	95.6	95.5	95.4	95.8	96.0	95.9
1978.....	96.4	95.9	95.7	95.6	95.6	95.7	95.7	95.4	95.4	95.6	95.9	95.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 35-44 YEARS												
1974.....	53.7	53.9	53.4	54.2	54.0	54.9	56.1	55.3	55.3	54.9	55.3	55.4
1975.....	55.8	55.3	55.2	55.8	55.3	55.4	55.5	56.5	56.0	56.4	56.1	56.4
1976.....	56.8	57.4	57.4	57.4	57.2	58.0	57.6	58.1	58.2	58.4	58.5	58.7
1977.....	58.6	58.6	59.0	59.0	59.4	59.5	60.3	59.9	59.5	59.7	60.6	60.5
1978.....	61.2	60.8	61.0	60.8	62.0	62.0	61.8	61.6	61.9	62.2	62.1	62.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 45-54 YEARS												
1974.....	72.9	72.9	72.8	72.6	72.8	72.9	73.1	72.5	72.5	72.6	72.3	72.5
1975.....	72.4	72.3	72.7	72.5	72.8	72.9	72.8	73.0	72.6	73.1	72.5	72.5
1976.....	72.4	72.3	72.1	72.3	72.3	72.6	73.0	72.8	72.8	72.8	72.7	72.8
1977.....	72.6	72.6	72.8	72.7	72.7	72.7	72.3	72.4	72.8	73.0	73.5	73.4
1978.....	73.7	73.6	73.6	73.3	73.1	72.9	73.6	73.5	74.0	73.8	73.9	74.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 45-54 YEARS												
1974.....	93.1	93.1	92.5	91.8	92.2	92.0	92.0	91.9	91.7	92.1	91.9	91.9
1975.....	91.6	91.3	91.7	91.7	92.5	92.3	92.3	92.9	92.5	92.7	92.2	91.9
1976.....	91.6	91.4	91.2	91.4	91.3	91.7	91.9	91.8	91.6	91.6	91.4	91.5
1977.....	91.0	91.1	91.0	91.0	91.0	91.3	90.7	90.9	90.8	91.2	91.4	91.7
1978.....	91.9	91.6	91.7	91.3	91.6	90.9	91.1	90.9	91.1	91.0	91.0	91.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 45-54 YEARS												
1974.....	54.2	54.2	54.5	54.7	54.9	55.2	55.7	54.5	54.6	54.5	54.2	54.5
1975.....	54.6	54.6	55.0	54.8	54.6	54.8	54.7	54.6	54.6	54.9	54.2	54.5
1976.....	54.6	54.6	54.3	54.5	54.8	54.8	55.5	55.1	55.3	55.3	55.4	55.4
1977.....	55.5	55.4	55.9	55.7	55.7	55.4	55.1	55.2	56.1	56.0	56.7	56.4
1978.....	56.7	56.8	56.6	56.5	55.8	56.1	57.4	57.3	58.0	57.8	57.9	58.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 55 YEARS AND OVER												
1974.....	35.5	35.8	35.6	35.6	35.3	35.2	35.2	35.3	35.1	34.9	34.4	34.8
1975.....	34.9	35.0	34.9	35.0	35.0	34.7	34.9	34.5	34.4	34.4	34.2	34.2
1976.....	34.2	34.2	34.0	33.8	33.7	33.9	33.9	34.1	34.1	33.9	33.8	33.8
1977.....	33.6	33.8	33.7	33.8	34.0	33.5	33.4	33.4	33.7	33.9	34.0	34.0
1978.....	33.8	33.8	33.7	33.9	33.8	34.1	33.8	33.6	33.7	33.5	33.9	33.8
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 55 YEARS AND OVER												
1974.....	51.0	51.6	51.2	51.1	50.6	50.4	50.4	50.7	50.4	50.6	49.8	50.2
1975.....	50.2	50.2	49.9	50.0	49.8	49.3	49.7	49.3	49.1	48.6	48.5	48.3
1976.....	48.3	47.9	48.0	47.8	47.8	48.1	47.8	48.3	48.3	47.7	47.6	47.5
1977.....	47.4	47.6	47.5	47.3	47.6	47.4	47.3	47.1	47.2	47.7	47.8	47.8
1978.....	47.2	47.4	47.3	47.3	47.4	47.8	47.4	47.1	47.0	47.0	47.4	47.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 55 YEARS AND OVER												
1974.....	23.3	23.3	23.3	23.3	23.2	23.3	23.3	23.1	22.9	22.6	22.3	22.7
1975.....	22.9	23.0	23.1	23.2	23.3	23.3	23.3	22.9	22.9	23.2	23.0	23.1
1976.....	23.2	23.5	23.1	22.8	22.7	22.7	23.0	23.1	22.9	23.0	23.0	23.1
1977.....	22.7	22.9	22.8	23.2	23.2	22.6	22.4	22.6	23.1	23.1	23.2	23.1
1978.....	23.1	23.0	22.9	23.3	23.2	23.3	23.1	23.0	23.2	22.9	23.3	23.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 55-64 YEARS												
1974.....	58.4	58.8	58.8	58.6	58.1	58.0	58.1	58.0	57.6	57.2	56.9	57.4
1975.....	57.6	57.8	57.5	57.5	57.7	57.4	57.6	57.3	57.2	57.2	56.9	57.0
1976.....	56.9	56.9	56.7	56.7	56.4	56.8	56.9	57.3	57.0	56.8	56.7	56.6
1977.....	56.5	56.6	56.5	56.7	57.0	56.5	56.2	56.0	56.5	56.8	56.9	56.7
1978.....	56.3	56.6	56.4	56.6	56.5	56.7	56.5	56.2	56.5	56.4	57.1	56.8
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 55-64 YEARS												
1974.....	78.1	78.8	78.5	78.1	77.3	77.0	77.0	77.3	76.8	76.7	76.4	76.6
1975.....	76.7	76.6	76.0	76.1	76.1	75.6	76.1	75.8	75.5	75.1	74.9	74.8
1976.....	74.7	74.1	74.2	74.4	74.3	74.8	74.4	75.1	75.0	74.5	74.1	73.8
1977.....	73.9	74.1	74.4	74.3	74.2	74.1	73.7	73.4	73.4	74.1	74.0	73.9
1978.....	73.0	73.7	73.6	73.5	73.6	73.7	73.7	73.0	73.0	73.1	73.9	73.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 55-64 YEARS												
1974.....	40.9	40.9	41.3	41.3	41.0	41.2	41.3	40.8	40.5	40.0	39.6	40.3
1975.....	40.7	41.0	41.1	41.0	41.2	41.2	41.2	40.8	40.9	41.2	40.8	41.1
1976.....	41.1	41.6	41.1	40.9	40.4	40.8	41.2	41.4	41.0	41.1	41.1	41.2
1977.....	40.9	40.9	40.4	40.9	41.7	40.7	40.5	40.5	41.3	41.4	41.6	41.3
1978.....	41.4	41.2	41.0	41.4	41.2	41.4	41.2	41.2	41.8	41.5	42.1	41.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - BOTH SEXES 65 YEARS AND OVER												
1974.....	14.2	14.3	14.0	14.1	14.0	14.0	14.0	14.2	14.2	14.3	13.7	13.9
1975.....	14.0	14.0	14.1	14.3	14.1	13.9	14.0	13.7	13.5	13.5	13.4	13.4
1976.....	13.5	13.5	13.4	13.0	13.1	13.0	13.0	13.1	13.2	13.0	13.1	13.2
1977.....	12.8	13.2	13.0	13.1	13.0	12.8	12.8	12.9	13.1	13.3	13.4	13.4
1978.....	13.5	13.2	13.2	13.5	13.5	13.8	13.4	13.3	13.2	13.1	13.2	13.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - MALES 65 YEARS AND OVER												
1974.....	22.3	22.6	22.3	22.6	22.2	22.3	22.2	22.7	22.6	23.1	21.8	22.4
1975.....	22.3	22.5	22.5	22.6	22.2	21.7	22.0	21.5	21.3	20.9	20.8	20.6
1976.....	20.7	20.6	20.6	20.1	20.1	20.2	20.0	20.2	20.4	19.9	20.0	20.2
1977.....	19.9	20.0	19.6	19.3	20.0	19.8	20.0	19.9	20.1	20.5	20.7	20.8
1978.....	20.6	20.3	20.2	20.4	20.5	21.1	20.4	20.4	20.3	20.4	20.3	20.6
CIVILIAN LABOR FORCE PARTICIPATION RATE - FEMALES 65 YEARS AND OVER												
1974.....	8.4	8.3	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.1	7.9	8.0
1975.....	8.1	8.1	8.1	8.4	8.5	8.4	8.4	8.2	8.0	8.3	8.3	8.3
1976.....	8.5	8.6	8.4	8.0	8.2	8.0	8.1	8.1	8.2	8.2	8.3	8.3
1977.....	7.7	8.3	8.3	8.7	8.1	7.9	7.7	8.0	8.2	8.2	8.3	8.3
1978.....	8.4	8.3	8.3	8.6	8.6	8.6	8.6	8.4	8.2	7.9	8.2	8.3
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE WORKERS												
1974.....	61.3	61.4	61.4	61.2	61.3	61.4	61.6	61.4	61.6	61.5	61.5	61.5
1975.....	61.6	61.3	61.4	61.5	61.8	61.5	61.7	61.6	61.5	61.5	61.3	61.4
1976.....	61.5	61.5	61.5	61.7	61.8	61.8	62.1	62.1	62.0	61.9	62.1	62.1
1977.....	62.0	62.3	62.4	62.4	62.5	62.7	62.4	62.6	62.6	62.7	63.1	62.9
1978.....	63.1	63.0	63.0	63.2	63.3	63.5	63.4	63.4	63.5	63.5	63.8	63.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE MALES 16-19 YEARS												
1974.....	63.4	63.4	63.0	62.4	62.8	64.0	62.5	61.7	64.0	62.9	62.9	62.7
1975.....	62.9	62.1	62.2	61.4	62.1	62.3	62.4	61.7	62.2	61.3	61.2	61.3
1976.....	62.5	62.1	62.0	63.5	62.3	61.6	62.6	63.1	61.6	62.4	62.2	62.6
1977.....	62.3	63.1	63.7	64.1	64.5	65.5	63.2	63.5	63.7	64.9	65.7	64.9
1978.....	65.2	64.1	64.5	63.9	64.2	66.0	63.8	66.2	65.7	66.2	65.5	65.7
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE FEMALES 16-19 YEARS												
1974.....	51.6	52.1	51.8	50.6	50.5	51.8	51.7	50.9	53.0	53.0	52.6	51.8
1975.....	52.8	51.0	51.5	50.7	51.8	51.0	51.7	52.0	51.8	51.4	51.1	52.1
1976.....	51.9	52.2	52.4	52.6	53.2	53.2	54.5	53.5	52.8	53.2	53.1	52.5
1977.....	53.3	54.5	54.9	54.4	53.2	55.7	54.6	56.5	54.6	54.8	55.4	54.1
1978.....	55.2	55.2	55.0	56.3	57.1	57.4	57.6	58.5	57.5	57.5	57.7	57.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE MALES 20 YEARS AND OVER												
1974.....	81.9	81.9	81.6	81.3	81.5	81.4	81.3	81.4	81.4	81.4	81.3	81.1
1975.....	80.9	80.7	80.8	80.9	81.2	80.9	81.0	80.8	80.8	80.6	80.3	80.1
1976.....	80.1	80.1	80.2	80.3	80.3	80.4	80.5	80.4	80.5	80.3	80.4	80.2
1977.....	80.1	80.2	80.1	80.1	80.1	80.4	80.1	80.2	80.1	80.3	80.4	80.4
1978.....	80.4	80.3	80.3	80.2	80.3	80.4	80.1	80.0	79.9	79.9	80.3	80.3
CIVILIAN LABOR FORCE PARTICIPATION RATE - WHITE FEMALES 20 YEARS AND OVER												
1974.....	43.7	44.1	44.3	44.2	44.3	44.4	45.0	44.6	44.6	44.4	44.7	44.8
1975.....	45.1	44.9	45.1	45.3	45.4	45.2	45.4	45.5	45.3	45.5	45.4	45.6
1976.....	45.8	45.8	45.8	45.9	46.1	46.2	46.4	46.6	46.3	46.4	46.6	46.8
1977.....	46.7	46.9	47.2	47.2	47.5	47.4	47.3	47.3	47.7	47.5	48.0	47.8
1978.....	48.1	48.1	48.1	48.5	48.6	48.7	48.9	48.7	49.1	49.2	49.3	49.5
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER WORKERS												
1974.....	61.0	60.7	60.3	59.6	59.9	60.0	59.8	59.7	60.1	60.2	59.6	59.4
1975.....	59.4	59.3	59.2	59.0	59.3	59.3	59.0	59.4	59.7	59.4	59.2	58.9
1976.....	59.0	59.4	59.4	59.7	59.2	59.1	59.3	59.6	59.2	59.3	59.9	59.8
1977.....	59.3	59.8	59.5	59.2	59.4	60.2	59.7	60.3	60.0	60.2	60.7	61.3
1978.....	61.3	61.4	61.7	61.4	61.7	62.0	62.0	61.8	62.1	62.0	62.1	61.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER MALES 16-19 YEARS												
1974.....	50.5	47.1	49.1	45.1	44.4	46.9	47.4	46.2	48.1	49.1	47.1	45.0
1975.....	44.3	46.2	43.8	44.7	43.0	44.5	41.7	41.0	41.5	41.7	40.1	40.2
1976.....	42.7	42.7	43.2	43.4	42.5	38.6	40.1	41.2	42.1	42.6	42.4	43.2
1977.....	40.7	41.2	41.1	38.5	40.9	43.9	45.8	48.2	44.1	44.3	46.1	46.0
1978.....	45.3	47.1	46.9	46.0	44.9	44.6	49.1	42.7	43.7	44.2	45.9	44.3
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER FEMALES 16-19 YEARS												
1974.....	34.8	33.6	33.6	32.4	35.0	35.7	35.2	33.0	35.1	35.2	32.3	33.7
1975.....	34.9	36.1	34.3	35.4	36.9	35.0	35.4	34.7	37.0	36.2	34.8	36.5
1976.....	35.4	34.7	35.6	35.3	34.2	31.1	32.8	35.2	31.7	31.7	33.4	31.0
1977.....	32.4	31.6	31.3	32.7	29.7	35.8	33.4	34.4	35.0	35.5	35.4	36.0
1978.....	35.4	36.0	36.2	35.7	38.8	39.7	41.0	39.4	38.5	38.0	38.7	39.7
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER MALES 20 YEARS AND OVER												
1974.....	79.3	79.5	78.7	77.8	77.7	77.9	77.0	77.2	76.8	77.1	77.1	76.9
1975.....	76.9	76.4	76.2	75.9	76.3	76.1	76.7	77.2	77.3	76.3	76.3	75.7
1976.....	74.8	75.0	74.6	75.5	75.7	76.0	75.6	75.7	75.4	75.6	75.9	76.4
1977.....	75.9	76.4	76.3	75.2	75.5	76.3	75.5	75.5	74.0	75.3	75.4	76.3
1978.....	76.5	76.2	76.6	76.1	76.5	76.5	76.1	75.8	76.5	76.8	76.8	77.1
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1974.....	51.6	51.4	50.8	50.9	51.2	51.0	51.3	51.4	51.8	51.7	51.1	51.0
1975.....	51.0	50.6	51.2	50.9	51.1	51.4	50.6	51.3	51.4	51.7	51.5	51.2
1976.....	52.0	52.7	52.9	52.8	51.9	52.4	52.6	52.6	52.4	52.3	53.3	52.8
1977.....	52.4	53.0	52.6	52.9	53.2	52.9	52.6	53.3	54.4	53.6	54.4	54.9
1978.....	54.8	55.0	55.4	55.1	55.3	55.7	55.3	56.2	56.3	55.9	55.6	55.0
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK WORKERS												
1974.....	60.6	60.2	59.3	59.5	59.9	59.6	59.5	59.3	60.0	60.1	59.4	59.1
1975.....	59.1	58.6	58.9	58.4	58.8	58.9	58.5	58.9	59.1	58.6	58.5	58.4
1976.....	58.7	58.7	58.9	59.5	58.7	58.7	58.6	59.3	58.6	58.7	59.4	59.2
1977.....	58.9	59.4	59.4	58.8	59.3	59.9	59.2	60.2	59.9	60.0	60.3	61.1
1978.....	61.0	61.0	61.3	60.8	61.3	61.6	61.5	61.2	61.6	61.9	61.6	61.4
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK MALES 16-19 YEARS												
1974.....	48.4	46.3	48.1	44.9	45.8	46.7	46.8	44.5	47.6	48.7	46.5	45.5
1975.....	44.0	44.8	43.8	44.8	43.6	45.6	41.4	38.6	40.6	40.8	39.4	40.2
1976.....	42.5	41.5	41.3	45.8	41.6	37.4	38.8	41.9	41.4	42.0	40.8	42.0
1977.....	39.2	40.0	39.8	37.2	40.9	44.0	44.5	47.9	44.0	44.9	46.8	46.5
1978.....	45.3	47.0	46.7	45.5	45.8	43.8	46.7	41.5	42.8	43.3	45.1	42.9
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK FEMALES 16-19 YEARS												
1974.....	34.1	33.2	32.4	31.7	34.1	35.2	34.4	31.2	34.4	34.8	32.2	32.2
1975.....	34.1	34.3	33.9	34.4	34.8	32.5	32.7	33.2	35.9	34.7	33.7	36.1
1976.....	34.4	34.1	35.9	34.7	33.3	31.1	31.5	34.2	31.3	30.7	32.7	29.8
1977.....	31.8	30.9	29.9	32.0	29.5	35.9	31.4	33.4	34.9	34.1	33.8	34.8
1978.....	35.1	35.2	35.5	34.8	37.3	39.5	38.9	38.5	37.7	37.6	37.7	39.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK MALES 20 YEARS AND OVER												
1974.....	79.1	78.9	78.4	77.7	77.7	77.5	76.4	76.9	76.8	77.3	77.0	76.4
1975.....	76.7	75.4	75.7	74.8	75.7	75.6	76.2	77.1	76.8	75.8	75.7	75.0
1976.....	74.5	74.4	74.1	74.8	75.0	75.7	75.2	75.5	75.1	75.1	75.7	75.7
1977.....	75.7	76.2	76.4	74.8	75.0	75.7	74.9	75.5	74.2	75.2	75.1	75.5
1978.....	76.1	75.7	76.5	75.5	75.8	75.9	75.6	75.0	75.8	76.5	76.4	76.2
CIVILIAN LABOR FORCE PARTICIPATION RATE - BLACK FEMALES 20 YEARS AND OVER												
1974.....	51.6	51.2	49.7	51.2	51.6	50.8	51.6	51.5	52.2	51.8	51.2	51.1
1975.....	50.9	50.6	51.3	50.8	51.1	51.4	50.6	51.1	51.0	51.0	51.1	51.1
1976.....	51.9	52.2	52.7	53.0	52.0	52.5	52.4	52.5	51.9	52.1	52.9	52.6
1977.....	52.2	52.9	52.8	53.1	53.6	53.0	52.8	53.6	54.3	53.8	54.2	55.4
1978.....	54.9	55.0	54.9	54.9	55.3	55.7	55.5	56.0	56.3	56.1	55.5	55.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - ALL CIVILIAN WORKERS												
IN THOUSANDS												
1974.....	85,803	85,972	86,074	85,819	86,020	86,106	86,295	86,147	86,159	86,041	85,687	85,217
1975.....	84,674	84,280	84,227	84,138	84,352	84,323	84,834	85,151	85,203	85,214	85,350	85,574
1976.....	86,224	86,488	86,805	87,138	87,438	87,321	87,818	87,900	87,863	87,840	88,278	88,454
1977.....	88,659	89,048	89,503	89,805	90,166	90,500	90,605	90,903	91,187	91,374	92,203	92,561
1978.....	92,923	93,047	93,282	93,704	93,953	94,640	94,446	94,723	95,010	95,241	95,751	95,855
EMPLOYED - MALES												
1974.....	52,844	52,766	52,736	52,438	52,667	52,596	52,495	52,488	52,549	52,487	52,301	51,385
1975.....	51,392	51,215	51,080	50,914	51,077	50,912	51,220	51,365	51,365	51,329	51,396	51,458
1976.....	51,773	51,970	52,085	52,314	52,389	52,211	52,493	52,607	52,608	52,646	52,661	52,769
1977.....	52,959	53,117	53,333	53,470	53,597	53,910	53,908	53,980	54,046	54,369	54,706	54,922
1978.....	54,992	54,943	55,042	55,184	55,372	55,766	55,531	55,580	55,594	55,754	56,096	56,072
EMPLOYED - FEMALES												
1974.....	32,959	33,206	33,338	33,381	33,353	33,510	33,800	33,659	33,610	33,554	33,386	33,332
1975.....	33,282	33,065	33,147	33,224	33,275	33,411	33,614	33,786	33,838	33,885	33,954	34,116
1976.....	34,451	34,518	34,720	34,824	35,049	35,110	35,325	35,293	35,255	35,194	35,617	35,685
1977.....	35,700	35,931	36,170	36,335	36,569	36,590	36,697	36,923	37,141	37,005	37,497	37,539
1978.....	37,931	38,104	38,240	38,520	38,581	38,874	38,915	39,143	39,416	39,487	39,655	39,783
EMPLOYED - BOTH SEXES 16-19 YEARS												
1974.....	7,516	7,509	7,503	7,393	7,367	7,439	7,357	7,377	7,453	7,423	7,326	7,215
1975.....	7,149	7,061	7,032	6,963	7,045	6,931	7,003	6,973	7,115	7,029	7,059	7,077
1976.....	7,161	7,206	7,260	7,297	7,337	7,429	7,467	7,295	7,226	7,271	7,254	7,232
1977.....	7,273	7,421	7,485	7,524	7,473	7,680	7,677	7,792	7,578	7,736	7,826	7,881
1978.....	7,860	7,722	7,763	7,833	7,948	8,205	8,072	8,196	8,032	8,067	8,039	8,027
EMPLOYED - MALES 16-19 YEARS												
1974.....	4,163	4,142	4,146	4,067	4,100	4,107	4,080	4,040	4,068	4,059	4,008	3,950
1975.....	3,843	3,824	3,826	3,744	3,826	3,718	3,763	3,743	3,846	3,798	3,823	3,807
1976.....	3,846	3,899	3,901	3,924	3,907	3,870	3,982	3,952	3,874	3,903	3,876	3,940
1977.....	3,941	3,977	4,022	4,082	4,133	4,147	4,170	4,131	4,104	4,222	4,276	4,308
1978.....	4,287	4,158	4,201	4,187	4,253	4,429	4,317	4,365	4,307	4,306	4,271	4,234
EMPLOYED - FEMALES 16-19 YEARS												
1974.....	3,353	3,367	3,357	3,326	3,267	3,332	3,277	3,337	3,385	3,364	3,318	3,265
1975.....	3,306	3,237	3,206	3,219	3,219	3,213	3,240	3,230	3,269	3,231	3,236	3,270
1976.....	3,315	3,307	3,359	3,373	3,430	3,359	3,485	3,343	3,352	3,368	3,378	3,292
1977.....	3,332	3,444	3,463	3,442	3,440	3,533	3,507	3,661	3,474	3,514	3,550	3,573
1978.....	3,573	3,564	3,562	3,646	3,695	3,776	3,755	3,831	3,725	3,761	3,768	3,793
EMPLOYED - BOTH SEXES 20 YEARS AND OVER												
1974.....	78,287	78,463	78,571	78,426	78,653	78,667	78,938	78,770	78,706	78,618	78,361	78,002
1975.....	77,525	77,219	77,195	77,175	77,307	77,392	77,831	78,178	78,088	78,185	78,291	78,497
1976.....	79,063	79,282	79,545	79,841	80,101	80,092	80,351	80,605	80,637	80,569	81,024	81,222
1977.....	81,386	81,627	82,018	82,281	82,693	82,820	82,928	83,111	83,609	83,638	84,377	84,680
1978.....	85,063	85,325	85,519	85,871	86,005	86,435	86,374	86,527	86,978	87,174	87,712	87,328
EMPLOYED - MALES 20 YEARS AND OVER												
1974.....	48,681	48,624	48,590	48,371	48,567	48,489	48,415	48,448	48,481	48,428	48,293	47,935
1975.....	47,549	47,391	47,254	47,170	47,251	47,194	47,457	47,622	47,519	47,531	47,573	47,651
1976.....	47,927	48,071	48,184	48,390	48,482	48,341	48,511	48,655	48,734	48,743	48,785	48,829
1977.....	49,018	49,140	49,311	49,388	49,464	49,763	49,738	49,849	49,942	50,147	50,430	50,514
1978.....	50,705	50,785	50,841	50,997	51,119	51,337	51,214	51,215	51,287	51,448	51,825	51,838
EMPLOYED - FEMALES 20 YEARS AND OVER												
1974.....	29,606	29,839	29,981	30,055	30,086	30,178	30,523	30,322	30,225	30,190	30,068	30,067
1975.....	29,976	29,828	29,941	30,005	30,056	30,198	30,374	30,556	30,569	30,654	30,718	30,846
1976.....	31,136	31,211	31,361	31,451	31,619	31,751	31,840	31,950	31,903	31,826	32,239	32,393
1977.....	32,368	32,487	32,707	32,893	33,229	33,057	33,190	33,262	33,667	33,491	33,947	34,066
1978.....	34,358	34,540	34,678	34,874	34,886	35,098	35,160	35,312	35,691	35,726	35,887	35,990
EMPLOYED - BOTH SEXES 25 YEARS AND OVER												
1974.....	66,495	66,615	66,618	66,509	66,740	66,796	67,022	66,856	66,755	66,654	66,387	66,190
1975.....	65,805	65,645	65,643	65,679	65,762	65,816	66,198	66,367	66,405	66,586	66,630	66,664
1976.....	67,147	67,230	67,432	67,591	67,774	67,847	67,919	68,208	68,322	68,344	68,532	68,724
1977.....	68,787	69,007	69,296	69,591	69,993	69,943	70,073	70,104	70,595	70,734	71,276	71,521
1978.....	71,875	72,142	72,276	72,497	72,557	72,879	72,922	72,761	73,332	73,530	73,976	74,070
EMPLOYED - MALES 25 YEARS AND OVER												
1974.....	41,954	42,002	41,942	41,747	41,911	41,861	41,804	41,871	41,838	41,783	41,676	41,457
1975.....	41,104	41,035	40,932	40,934	40,962	40,924	41,134	41,218	41,189	41,194	41,220	41,220
1976.....	41,392	41,423	41,538	41,638	41,721	41,657	41,724	41,881	41,962	41,958	41,910	41,963
1977.....	42,046	42,199	42,329	42,449	42,580	42,720	42,681	42,762	42,895	43,026	43,285	43,454
1978.....	43,554	43,641	43,622	43,699	43,772	43,934	43,894	43,807	43,950	44,026	44,340	44,411
EMPLOYED - FEMALES 25 YEARS AND OVER												
1974.....	24,541	24,613	24,676	24,762	24,829	24,935	25,218	24,985	24,917	24,871	24,711	24,733
1975.....	24,701	24,610	24,711	24,745	24,800	24,892	25,064	25,149	25,216	25,392	25,410	25,444
1976.....	25,755	25,807	25,894	25,953	26,033	26,190	26,195	26,327	26,360	26,386	26,622	26,761
1977.....	26,741	26,808	26,967	27,142	27,413	27,223	27,392	27,342	27,700	27,708	27,991	28,067
1978.....	28,321	28,501	28,654	28,798	28,785	28,945	29,028	28,954	29,382	29,504	29,636	29,659

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - BOTH SEXES 25-54 YEARS												
IN THOUSANDS												
1974.....	52,766	52,776	52,776	52,654	52,972	53,095	53,317	53,183	53,093	53,045	52,899	52,678
1975.....	52,286	52,084	52,109	52,142	52,170	52,358	52,639	52,949	52,933	53,154	53,192	53,291
1976.....	53,659	53,742	54,009	54,209	54,308	54,426	54,486	54,719	54,731	54,765	54,939	55,118
1977.....	55,269	55,440	55,714	55,905	56,161	56,272	56,443	56,533	56,793	56,798	57,295	57,584
1978.....	57,906	58,126	58,261	58,395	58,378	58,645	58,789	58,750	59,191	59,329	59,630	59,781
EMPLOYED - MALES 25-54 YEARS												
1974.....	33,257	33,185	33,155	32,942	33,185	33,184	33,147	33,183	33,137	33,079	33,052	32,824
1975.....	32,530	32,407	32,398	32,387	32,431	32,481	32,607	32,741	32,725	32,823	32,846	32,877
1976.....	33,007	33,065	33,218	33,286	33,354	33,286	33,347	33,439	33,483	33,536	33,497	33,520
1977.....	33,633	33,743	33,871	33,969	34,022	34,149	34,150	34,236	34,369	34,401	34,618	34,785
1978.....	34,937	34,949	34,957	35,019	35,046	35,121	35,183	35,087	35,237	35,261	35,481	35,560
EMPLOYED - FEMALES 25-54 YEARS												
1974.....	19,509	19,591	19,621	19,712	19,787	19,911	20,170	20,000	19,956	19,966	19,847	19,854
1975.....	19,756	19,677	19,711	19,755	19,739	19,877	20,032	20,208	20,208	20,331	20,346	20,414
1976.....	20,652	20,677	20,791	20,923	20,954	21,140	21,139	21,280	21,288	21,229	21,442	21,598
1977.....	21,636	21,697	21,843	21,936	22,139	22,123	22,293	22,297	22,424	22,397	22,677	22,799
1978.....	22,969	23,177	23,304	23,376	23,332	23,524	23,606	23,663	23,954	24,068	24,149	24,221
EMPLOYED - AGRICULTURAL INDUSTRIES												
1974.....	3,734	3,809	3,708	3,556	3,496	3,362	3,412	3,405	3,441	3,408	3,383	3,342
1975.....	3,370	3,341	3,335	3,284	3,513	3,336	3,428	3,403	3,488	3,372	3,308	3,240
1976.....	3,342	3,275	3,271	3,398	3,302	3,272	3,320	3,349	3,257	3,286	3,243	3,231
1977.....	3,130	3,188	3,191	3,261	3,349	3,291	3,198	3,219	3,188	3,238	3,364	3,304
1978.....	3,363	3,280	3,334	3,274	3,243	3,424	3,377	3,351	3,406	3,374	3,275	3,387
EMPLOYED - AGRICULTURAL INDUSTRIES BOTH SEXES 16-19 YEARS												
1974.....	466	491	458	479	457	437	409	432	469	457	472	422
1975.....	430	382	416	396	526	458	494	448	489	438	420	438
1976.....	443	459	446	450	424	401	423	447	422	418	400	402
1977.....	388	395	410	408	410	401	390	378	385	385	438	425
1978.....	427	369	393	365	383	410	388	413	400	424	367	393
EMPLOYED - AGRICULTURAL INDUSTRIES MALES 16-19 YEARS												
1974.....	393	418	387	404	387	366	343	365	379	380	387	364
1975.....	352	297	351	321	439	384	414	360	419	394	374	371
1976.....	369	398	376	374	356	332	347	371	354	351	341	343
1977.....	335	332	335	351	347	328	324	313	310	310	359	351
1978.....	345	294	321	289	312	339	322	338	330	344	277	299
EMPLOYED - AGRICULTURAL INDUSTRIES FEMALES 16-19 YEARS												
1974.....	73	73	71	75	70	71	66	67	90	77	85	58
1975.....	78	85	65	75	87	74	80	88	70	44	46	67
1976.....	74	61	70	76	68	69	76	76	68	67	59	59
1977.....	53	63	75	57	63	73	66	65	75	75	79	74
1978.....	82	75	72	76	71	71	66	75	70	80	90	94
EMPLOYED - AGRICULTURAL INDUSTRIES BOTH SEXES 20 YEARS AND OVER												
1974.....	3,268	3,318	3,250	3,077	3,039	2,925	3,003	2,973	2,972	2,951	2,911	2,920
1975.....	2,940	2,959	2,919	2,888	2,987	2,878	2,934	2,955	2,999	2,934	2,888	2,802
1976.....	2,899	2,816	2,825	2,948	2,878	2,871	2,897	2,902	2,835	2,868	2,843	2,829
1977.....	2,742	2,793	2,781	2,853	2,939	2,890	2,808	2,841	2,803	2,853	2,926	2,879
1978.....	2,936	2,911	2,941	2,909	2,860	3,014	2,989	2,938	3,006	2,950	2,908	2,994
EMPLOYED - AGRICULTURAL INDUSTRIES MALES 20 YEARS AND OVER												
1974.....	2,679	2,689	2,644	2,530	2,515	2,427	2,479	2,489	2,486	2,470	2,442	2,463
1975.....	2,439	2,479	2,455	2,431	2,442	2,382	2,412	2,425	2,463	2,414	2,402	2,322
1976.....	2,374	2,368	2,356	2,412	2,404	2,391	2,408	2,370	2,310	2,326	2,294	2,266
1977.....	2,232	2,277	2,269	2,294	2,356	2,336	2,277	2,328	2,306	2,328	2,339	2,339
1978.....	2,389	2,310	2,320	2,309	2,324	2,406	2,396	2,357	2,409	2,363	2,337	2,403
EMPLOYED - AGRICULTURAL INDUSTRIES FEMALES 20 YEARS AND OVER												
1974.....	589	629	606	547	524	498	524	484	486	481	469	457
1975.....	501	480	464	457	545	496	522	530	536	520	486	480
1976.....	525	448	469	536	474	480	489	532	525	542	549	563
1977.....	510	516	512	559	583	554	531	513	497	525	587	540
1978.....	547	601	621	600	536	608	593	581	597	587	571	591
EMPLOYED - NONAGRICULTURAL INDUSTRIES												
1974.....	82,069	82,163	82,366	82,263	82,524	82,744	82,883	82,742	82,718	82,633	82,304	81,875
1975.....	81,304	80,939	80,892	80,854	80,839	80,987	81,406	81,748	81,715	81,842	82,042	82,334
1976.....	82,882	83,213	83,534	83,740	84,136	84,049	84,498	84,551	84,606	84,554	85,035	85,223
1977.....	85,529	85,860	86,312	86,544	86,817	87,209	87,407	87,684	87,999	88,136	88,839	89,257
1978.....	89,560	89,767	89,948	90,430	90,710	91,216	91,069	91,372	91,604	91,867	92,476	92,468
EMPLOYED - NONAGRICULTURAL INDUSTRIES BOTH SEXES 16-19 YEARS												
1974.....	7,050	7,018	7,045	6,914	6,910	7,002	6,948	6,945	6,984	6,966	6,854	6,793
1975.....	6,719	6,679	6,616	6,567	6,519	6,473	6,509	6,525	6,626	6,591	6,639	6,539
1976.....	6,718	6,747	6,814	6,847	6,913	6,828	7,044	6,848	6,804	6,853	6,854	6,330
1977.....	6,885	7,026	7,075	7,116	7,063	7,279	7,287	7,414	7,193	7,351	7,388	7,456
1978.....	7,433	7,353	7,370	7,468	7,565	7,795	7,684	7,783	7,632	7,643	7,672	7,634

HOUSEHOLD DATA
SEASONALLY ADJUSTED

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - NONAGRICULTURAL INDUSTRIES MALES 16-19 YEARS												
IN THOUSANDS												
1974.....	3,770	3,724	3,759	3,663	3,713	3,741	3,737	3,675	3,689	3,679	3,621	3,586
1975.....	3,491	3,527	3,475	3,423	3,387	3,334	3,349	3,383	3,427	3,404	3,449	3,436
1976.....	3,477	3,501	3,525	3,550	3,551	3,538	3,635	3,581	3,520	3,552	3,535	3,597
1977.....	3,606	3,645	3,687	3,731	3,786	3,819	3,846	3,818	3,794	3,912	3,917	3,957
1978.....	3,942	3,864	3,880	3,898	3,941	4,090	3,995	4,027	3,977	3,962	3,994	3,935
EMPLOYED - NONAGRICULTURAL INDUSTRIES FEMALES 16-19 YEARS												
1974.....	3,280	3,294	3,286	3,251	3,197	3,261	3,211	3,270	3,295	3,287	3,233	3,207
1975.....	3,228	3,152	3,141	3,144	3,132	3,139	3,160	3,142	3,199	3,187	3,190	3,203
1976.....	3,241	3,246	3,289	3,297	3,362	3,290	3,409	3,267	3,284	3,301	3,319	3,233
1977.....	3,279	3,381	3,388	3,385	3,277	3,460	3,441	3,596	3,399	3,439	3,471	3,499
1978.....	3,491	3,489	3,490	3,570	3,624	3,705	3,689	3,756	3,655	3,681	3,678	3,699
EMPLOYED - NONAGRICULTURAL INDUSTRIES BOTH SEXES 20 YEARS AND OVER												
1974.....	75,019	75,145	75,321	75,349	75,614	75,742	75,935	75,797	75,734	75,667	75,450	75,082
1975.....	74,585	74,260	74,276	74,287	74,320	74,514	74,897	75,223	75,089	75,251	75,403	75,695
1976.....	76,164	76,466	76,720	76,893	77,223	77,221	77,454	77,703	77,802	77,701	78,181	78,393
1977.....	78,644	78,834	79,237	79,428	79,754	79,930	80,120	80,270	80,806	80,785	81,451	81,801
1978.....	82,127	82,414	82,578	82,962	83,145	83,421	83,385	83,589	83,972	84,224	84,804	84,334
EMPLOYED - NONAGRICULTURAL INDUSTRIES MALES 20 YEARS AND OVER												
1974.....	46,002	45,935	45,946	45,841	46,052	46,062	45,936	45,959	45,995	45,958	45,851	45,472
1975.....	45,110	44,912	44,799	44,739	44,809	44,812	45,045	45,197	45,056	45,117	45,171	45,329
1976.....	45,553	45,703	45,828	45,978	46,078	45,950	46,103	46,285	46,424	46,417	46,491	46,563
1977.....	46,786	46,863	47,042	47,094	47,108	47,427	47,461	47,521	47,636	47,819	48,091	48,275
1978.....	48,316	48,475	48,521	48,688	48,795	48,931	48,818	48,858	48,878	49,085	49,488	49,435
EMPLOYED - NONAGRICULTURAL INDUSTRIES FEMALES 20 YEARS AND OVER												
1974.....	29,017	29,210	29,375	29,508	29,562	29,680	29,999	29,638	29,739	29,709	29,599	29,610
1975.....	29,475	29,348	29,477	29,548	29,511	29,702	29,852	30,026	30,033	30,134	30,232	30,366
1976.....	30,611	30,763	30,892	30,915	31,145	31,271	31,351	31,418	31,378	31,284	31,690	31,830
1977.....	31,858	31,971	32,195	32,334	32,646	32,503	32,659	32,749	33,170	32,966	33,360	33,526
1978.....	33,811	33,939	34,057	34,274	34,350	34,490	34,567	34,731	35,094	35,139	35,316	35,399
EMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1974.....	1,371	1,333	1,394	1,119	1,254	1,326	1,345	1,339	1,384	1,382	1,370	1,346
1975.....	1,380	1,378	1,420	1,427	1,354	1,422	1,373	1,371	1,348	1,291	1,294	1,312
1976.....	1,434	1,358	1,299	1,248	1,359	1,509	1,382	1,393	1,405	1,380	1,384	1,362
1977.....	1,357	1,350	1,362	1,356	1,390	1,258	1,396	1,389	1,410	1,512	1,517	1,523
1978.....	1,468	1,431	1,574	1,628	1,542	1,380	1,429	1,437	1,576	1,512	1,537	1,561
EMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1974.....	5,344	5,314	5,266	5,504	5,402	5,353	5,250	5,210	5,275	5,223	5,203	5,111
1975.....	4,978	4,950	4,852	4,731	4,671	4,721	4,825	4,838	4,932	4,944	4,942	4,973
1976.....	4,910	5,075	5,112	5,292	5,142	4,901	5,167	5,173	5,104	5,157	5,128	5,234
1977.....	5,267	5,282	5,345	5,419	5,381	5,562	5,417	5,467	5,420	5,406	5,466	5,496
1978.....	5,510	5,449	5,410	5,415	5,517	5,853	5,674	5,834	5,621	5,648	5,650	5,548
EMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1974.....	1,141	1,175	1,145	922	1,112	1,121	1,166	1,141	1,138	1,234	1,201	1,182
1975.....	1,225	1,153	1,181	1,192	1,160	1,204	1,194	1,196	1,163	1,212	1,196	1,141
1976.....	1,219	1,195	1,178	1,065	1,243	1,295	1,242	1,258	1,293	1,270	1,284	1,284
1977.....	1,250	1,301	1,271	1,242	1,258	1,126	1,236	1,249	1,335	1,293	1,313	1,337
1978.....	1,270	1,321	1,405	1,502	1,524	1,208	1,263	1,274	1,556	1,515	1,519	1,564
EMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1974.....	4,243	4,321	4,373	4,531	4,308	4,356	4,302	4,328	4,371	4,353	4,320	4,293
1975.....	4,216	4,139	4,071	4,100	4,176	4,139	4,137	4,142	4,202	4,104	4,108	4,221
1976.....	4,228	4,306	4,391	4,483	4,450	4,346	4,535	4,294	4,269	4,314	4,361	4,325
1977.....	4,356	4,400	4,460	4,444	4,462	4,857	4,605	4,731	4,526	4,584	4,596	4,610
1978.....	4,661	4,621	4,517	4,561	4,638	5,118	4,932	5,000	4,674	4,786	4,761	4,746
EMPLOYED - MARRIED WORKERS SPOUSE PRESENT												
1974.....	58,597	58,696	58,528	58,542	58,635	58,654	58,639	58,628	58,550	58,664	58,242	57,884
1975.....	57,306	57,198	57,183	57,186	57,197	57,263	57,508	57,572	57,601	57,809	57,787	57,730
1976.....	57,961	58,008	58,166	58,134	58,394	58,404	58,490	58,626	58,572	58,492	58,419	58,580
1977.....	58,722	58,924	59,271	59,361	59,336	59,358	59,271	59,205	59,515	59,619	59,791	60,065
1978.....	60,220	60,381	60,131	60,288	60,290	60,370	60,472	60,271	60,915	61,000	61,218	61,336
EMPLOYED - MARRIED MEN, SPOUSE PRESENT												
1974.....	39,359	39,333	39,120	39,024	39,064	38,984	38,845	38,852	38,823	38,898	38,648	38,378
1975.....	37,923	37,892	37,817	37,813	37,830	37,792	37,928	37,967	37,914	37,985	37,934	37,820
1976.....	37,916	38,003	38,121	38,138	38,127	38,051	38,105	38,180	38,147	38,059	37,913	38,055
1977.....	38,195	38,199	38,329	38,423	38,409	38,500	38,389	38,335	38,360	38,458	38,506	38,653
1978.....	38,653	38,677	38,459	38,575	38,596	38,621	38,635	38,534	38,782	38,806	38,944	39,039
EMPLOYED - MARRIED WOMEN, SPOUSE PRESENT												
1974.....	19,238	19,363	19,408	19,518	19,571	19,670	19,794	19,776	19,727	19,766	19,594	19,506
1975.....	19,383	19,306	19,366	19,373	19,367	19,471	19,580	19,605	19,687	19,824	19,853	19,910
1976.....	20,045	20,005	20,045	19,996	20,267	20,353	20,385	20,446	20,425	20,433	20,506	20,525
1977.....	20,527	20,725	20,942	20,938	20,927	20,858	20,882	20,870	21,155	21,161	21,285	21,412
1978.....	21,567	21,704	21,672	21,713	21,694	21,749	21,837	21,737	22,133	22,194	22,274	22,297

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - WOMEN WHO HEAD FAMILIES												
IN THOUSANDS												
1974.....	3,313	3,373	3,412	3,482	3,503	3,522	3,607	3,528	3,535	3,500	3,515	3,529
1975.....	3,510	3,490	3,505	3,498	3,528	3,552	3,578	3,666	3,597	3,628	3,594	3,624
1976.....	3,677	3,727	3,748	3,753	3,737	3,757	3,769	3,768	3,729	3,812	3,865	3,894
1977.....	3,907	3,886	3,869	3,919	3,943	3,969	3,979	4,016	4,083	4,118	4,170	4,254
1978.....	4,278	4,329	4,334	4,321	4,374	4,398	4,352	4,544	4,455	4,485	4,511	4,485
EMPLOYED - WHITE-COLLAR WORKERS												
1974.....	41,323	41,487	41,617	41,644	41,610	42,025	41,936	41,708	41,940	41,984	41,822	41,803
1975.....	41,941	41,775	41,906	42,129	42,033	42,307	42,439	42,586	42,473	42,450	42,388	42,355
1976.....	42,768	43,119	43,335	43,380	43,622	43,656	43,512	43,837	44,124	44,094	44,280	44,504
1977.....	44,481	44,540	44,480	44,812	44,638	44,860	45,125	45,260	45,568	46,012	46,221	46,205
1978.....	46,481	46,582	46,763	46,795	46,885	47,225	47,276	47,325	47,550	47,713	47,888	48,040
EMPLOYED - PROFESSIONAL AND TECHNICAL WORKERS												
1974.....	12,113	12,326	12,217	12,348	12,299	12,435	12,481	12,416	12,466	12,409	12,302	12,265
1975.....	12,423	12,490	12,681	12,693	12,783	12,661	12,881	12,892	12,814	12,817	12,797	13,068
1976.....	13,156	13,133	13,212	13,051	13,245	13,355	13,215	13,455	13,628	13,376	13,582	13,488
1977.....	13,459	13,492	13,488	13,583	13,486	13,614	13,769	13,698	13,841	14,011	13,892	13,947
1978.....	14,041	14,062	14,087	14,186	14,356	14,318	14,249	14,246	14,182	14,307	14,297	14,529
EMPLOYED - MANAGERS AND ADMINISTRATORS, EXCEPT FARM												
1974.....	9,067	9,046	8,938	9,031	9,127	9,146	9,019	8,755	8,705	8,900	8,801	8,758
1975.....	8,820	8,688	8,751	8,769	8,886	8,976	8,785	9,005	9,096	9,024	9,085	8,815
1976.....	8,999	9,155	9,242	9,412	9,259	9,269	9,260	9,322	9,437	9,411	9,460	9,523
1977.....	9,555	9,495	9,499	9,476	9,471	9,613	9,633	9,702	9,757	9,928	9,877	9,913
1978.....	10,047	10,116	10,136	10,184	9,972	10,146	10,212	10,180	10,062	9,968	10,030	10,217
EMPLOYED - SALES WORKERS												
1974.....	5,426	5,418	5,465	5,404	5,401	5,334	5,340	5,419	5,505	5,485	5,435	5,379
1975.....	5,455	5,468	5,419	5,485	5,480	5,544	5,569	5,492	5,459	5,550	5,335	5,276
1976.....	5,291	5,348	5,396	5,438	5,527	5,473	5,425	5,520	5,569	5,588	5,604	5,752
1977.....	5,659	5,814	5,614	5,741	5,678	5,677	5,694	5,744	5,764	5,732	5,798	5,314
1978.....	5,897	5,836	5,939	5,856	5,903	5,922	5,992	5,892	5,898	5,986	6,192	6,092
EMPLOYED - CLERICAL WORKERS												
1974.....	14,717	14,697	14,997	14,861	14,783	15,110	15,096	15,118	15,264	15,190	15,284	15,401
1975.....	15,243	15,129	15,055	15,182	14,884	15,126	15,204	15,197	15,104	15,059	15,171	15,196
1976.....	15,322	15,483	15,485	15,479	15,591	15,559	15,612	15,540	15,490	15,719	15,634	15,741
1977.....	15,808	15,739	15,879	16,012	16,003	15,956	16,029	16,116	16,206	16,341	16,654	16,531
1978.....	16,496	16,568	16,601	16,569	16,654	16,839	16,823	17,007	17,408	17,452	17,369	17,102
EMPLOYED - BLUE-COLLAR WORKERS												
1974.....	30,332	30,031	29,952	29,734	30,057	29,784	29,838	29,863	29,794	29,656	29,455	28,920
1975.....	28,249	28,005	27,696	27,716	27,696	27,633	27,683	28,037	28,028	28,188	28,238	28,493
1976.....	28,650	28,737	28,762	28,947	28,931	28,975	29,151	28,922	28,862	29,117	29,214	29,186
1977.....	29,586	29,857	29,959	29,979	30,266	30,218	30,138	30,244	30,438	30,332	30,616	30,380
1978.....	30,855	31,140	31,085	31,452	31,477	31,554	31,282	31,506	31,891	31,986	32,202	31,962
EMPLOYED - CRAFT AND KINDRED WORKERS												
1974.....	11,431	11,411	11,680	11,545	11,553	11,453	11,504	11,509	11,503	11,445	11,482	11,204
1975.....	10,916	10,960	10,823	10,886	10,862	10,901	10,951	11,059	10,897	11,105	11,036	11,270
1976.....	11,178	11,261	11,186	11,146	11,246	11,246	11,326	11,255	11,340	11,409	11,403	11,298
1977.....	11,592	11,627	11,777	11,847	11,895	11,860	11,880	11,899	11,974	11,899	12,092	12,215
1978.....	12,112	12,181	12,181	12,277	12,233	12,429	12,220	12,557	12,628	12,556	12,646	12,610
EMPLOYED - OPERATIVES, EXCEPT TRANSPORT												
1974.....	10,895	10,836	10,558	10,682	10,788	10,751	10,829	10,623	10,644	10,494	10,340	10,111
1975.....	9,805	9,655	9,471	9,578	9,490	9,400	9,402	9,610	9,779	9,768	9,858	9,910
1976.....	10,064	10,031	9,996	10,107	10,104	10,206	10,161	10,081	9,943	10,012	10,072	10,259
1977.....	10,260	10,315	10,405	10,286	10,419	10,304	10,317	10,325	10,369	10,361	10,468	10,453
1978.....	10,649	10,690	10,741	10,875	10,798	10,924	10,877	10,741	10,981	11,178	11,177	10,887
EMPLOYED - TRANSPORT EQUIPMENT OPERATIVES												
1974.....	3,392	3,278	3,256	3,247	3,297	3,268	3,351	3,389	3,265	3,243	3,257	3,271
1975.....	3,307	3,222	3,232	3,204	3,182	3,168	3,204	3,268	3,212	3,242	3,232	3,187
1976.....	3,193	3,215	3,223	3,270	3,269	3,318	3,304	3,275	3,269	3,317	3,280	3,315
1977.....	3,387	3,437	3,461	3,446	3,517	3,491	3,439	3,472	3,531	3,454	3,524	3,556
1978.....	3,449	3,631	3,529	3,539	3,508	3,501	3,487	3,429	3,573	3,581	3,640	3,640
EMPLOYED - NONFARM LABORERS												
1974.....	4,614	4,506	4,458	4,260	4,419	4,312	4,154	4,342	4,382	4,474	4,376	4,334
1975.....	4,221	4,168	4,170	4,048	4,162	4,164	4,126	4,100	4,140	4,073	4,112	4,126
1976.....	4,215	4,230	4,357	4,424	4,312	4,205	4,360	4,311	4,310	4,379	4,459	4,314
1977.....	4,347	4,478	4,316	4,400	4,435	4,563	4,502	4,548	4,564	4,618	4,532	4,650
1978.....	4,645	4,638	4,634	4,761	4,938	4,700	4,698	4,779	4,709	4,671	4,739	4,825
EMPLOYED - SERVICE WORKERS												
1974.....	11,126	11,226	11,221	11,326	11,256	11,413	11,324	11,538	11,469	11,580	11,434	11,543
1975.....	11,628	11,659	11,637	11,488	11,504	11,595	11,617	11,577	11,672	11,787	11,853	11,890
1976.....	11,907	11,884	11,851	11,935	12,000	12,020	12,123	12,200	12,110	12,009	12,026	11,945
1977.....	11,872	12,077	12,337	12,277	12,334	12,657	12,395	12,503	12,525	12,483	12,579	12,650
1978.....	12,681	12,723	12,666	12,814	12,838	12,987	12,803	12,866	12,754	12,951	13,009	13,007

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - PRIVATE HOUSEHOLD WORKERS												
IN THOUSANDS												
1974.....	1,281	1,354	1,245	1,319	1,289	1,240	1,242	1,231	1,212	1,164	1,091	1,073
1975.....	1,179	1,175	1,203	1,169	1,208	1,251	1,141	1,196	1,128	1,172	1,111	1,116
1976.....	1,073	1,056	1,107	1,111	1,115	1,147	1,127	1,122	1,162	1,149	1,186	1,129
1977.....	1,163	1,150	1,114	1,114	1,106	1,164	1,188	1,183	1,163	1,162	1,176	1,202
1978.....	1,195	1,189	1,136	1,226	1,192	1,153	1,177	1,145	1,173	1,136	1,115	1,117
EMPLOYED - OTHER SERVICE WORKERS												
1974.....	9,845	9,872	9,976	10,007	9,967	10,173	10,082	10,307	10,257	10,416	10,343	10,470
1975.....	10,449	10,484	10,434	10,319	10,296	10,344	10,476	10,381	10,544	10,615	10,742	10,774
1976.....	10,834	10,828	10,744	10,824	10,885	10,873	10,996	11,078	10,948	10,860	10,840	10,816
1977.....	10,709	10,927	11,223	11,163	11,228	11,493	11,207	11,320	11,362	11,321	11,403	11,448
1978.....	11,486	11,534	11,530	11,588	11,646	11,834	11,626	11,721	11,581	11,815	11,894	11,890
EMPLOYED - FARM WORKERS												
1974.....	3,264	3,342	3,230	3,155	3,057	2,970	2,971	2,933	2,964	2,944	2,924	2,944
1975.....	2,944	2,892	2,890	2,829	3,063	2,936	2,994	2,948	3,030	2,945	2,851	2,808
1976.....	2,860	2,834	2,805	2,926	2,815	2,790	2,844	2,878	2,775	2,799	2,758	2,782
1977.....	2,658	2,723	2,713	2,791	2,875	2,799	2,723	2,733	2,674	2,745	2,829	2,789
1978.....	2,858	2,784	2,799	2,726	2,708	2,874	2,797	2,794	2,855	2,821	2,739	2,826
EMPLOYED - FARMERS AND FARM MANAGERS												
1974.....	1,769	1,778	1,708	1,671	1,622	1,596	1,619	1,619	1,619	1,599	1,525	1,605
1975.....	1,569	1,636	1,621	1,609	1,633	1,594	1,589	1,557	1,626	1,581	1,557	1,542
1976.....	1,548	1,517	1,495	1,535	1,527	1,529	1,550	1,540	1,467	1,505	1,492	1,443
1977.....	1,416	1,444	1,461	1,464	1,512	1,477	1,445	1,467	1,431	1,445	1,474	1,471
1978.....	1,518	1,457	1,451	1,434	1,444	1,533	1,487	1,477	1,503	1,496	1,463	1,497
EMPLOYED - FARM LABORERS AND SUPERVISORS												
1974.....	1,495	1,564	1,522	1,484	1,435	1,374	1,352	1,314	1,345	1,345	1,399	1,339
1975.....	1,375	1,256	1,269	1,220	1,430	1,342	1,405	1,391	1,404	1,364	1,294	1,266
1976.....	1,312	1,317	1,310	1,391	1,288	1,261	1,294	1,338	1,308	1,294	1,266	1,339
1977.....	1,242	1,279	1,252	1,327	1,363	1,322	1,278	1,266	1,243	1,300	1,355	1,318
1978.....	1,340	1,327	1,348	1,292	1,264	1,341	1,310	1,317	1,352	1,325	1,276	1,329
EMPLOYED - WAGE AND SALARY WORKERS												
1974.....	77,617	77,678	77,854	77,457	77,738	77,837	77,805	77,910	77,884	77,868	77,503	77,031
1975.....	76,417	76,173	75,998	75,897	76,097	76,323	76,642	77,062	76,939	77,221	76,745	77,427
1976.....	77,922	78,302	78,786	79,047	79,282	79,288	79,642	79,793	79,707	79,901	79,989	80,350
1977.....	80,493	80,785	81,220	81,509	81,653	82,014	82,111	82,303	82,641	83,176	83,584	84,030
1978.....	84,299	84,420	84,548	85,028	85,450	85,899	85,450	85,931	86,228	86,786	87,002	87,057
EMPLOYED - WAGE AND SALARY WORKERS IN AGRICULTURAL INDUSTRIES												
1974.....	1,427	1,450	1,437	1,312	1,351	1,287	1,285	1,314	1,350	1,356	1,402	1,288
1975.....	1,278	1,217	1,214	1,167	1,297	1,275	1,355	1,335	1,327	1,290	1,281	1,256
1976.....	1,303	1,325	1,340	1,350	1,290	1,294	1,322	1,330	1,300	1,300	1,286	1,388
1977.....	1,254	1,310	1,299	1,304	1,318	1,351	1,295	1,315	1,317	1,388	1,406	1,384
1978.....	1,394	1,366	1,398	1,406	1,434	1,443	1,386	1,423	1,442	1,423	1,424	1,478
EMPLOYED - SELF-EMPLOYED WORKERS IN AGRICULTURAL INDUSTRIES												
1974.....	1,875	1,915	1,838	1,777	1,746	1,716	1,734	1,717	1,719	1,692	1,618	1,695
1975.....	1,687	1,775	1,749	1,742	1,748	1,721	1,699	1,675	1,757	1,681	1,672	1,675
1976.....	1,657	1,633	1,616	1,655	1,661	1,657	1,670	1,676	1,607	1,646	1,609	1,536
1977.....	1,502	1,544	1,558	1,567	1,651	1,577	1,542	1,576	1,564	1,553	1,590	1,603
1978.....	1,603	1,595	1,558	1,555	1,577	1,664	1,641	1,611	1,648	1,638	1,563	1,625
EMPLOYED - UNPAID-FAMILY WORKERS IN AGRICULTURAL INDUSTRIES												
1974.....	409	451	435	446	391	386	381	368	374	362	361	373
1975.....	386	372	378	355	446	373	390	395	407	408	360	309
1976.....	340	327	310	372	343	332	326	356	348	346	350	338
1977.....	352	356	334	376	374	365	350	319	279	305	376	345
1978.....	338	322	382	295	250	328	340	319	307	323	293	318
EMPLOYED - PRIVATE WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1974.....	62,555	62,429	62,451	62,146	62,339	62,468	62,407	62,608	62,534	62,442	62,014	61,490
1975.....	60,810	60,589	60,424	60,245	60,355	60,503	60,569	61,003	61,108	61,433	60,835	61,446
1976.....	61,875	62,099	62,461	62,871	63,115	63,050	63,343	63,256	63,296	63,660	63,723	64,046
1977.....	64,236	64,532	64,931	65,218	65,230	65,636	65,640	65,786	66,057	66,359	66,831	67,278
1978.....	67,630	67,801	67,937	68,298	68,778	69,201	68,880	69,233	69,450	69,976	70,205	70,219
EMPLOYED - SELF-EMPLOYED WORKERS IN NONAGRICULTURAL INDUSTRIES												
1974.....	5,451	5,517	5,430	5,624	5,663	5,721	5,726	5,712	5,681	5,756	5,680	5,634
1975.....	5,589	5,444	5,572	5,637	5,540	5,616	5,646	5,626	5,627	5,592	5,970	5,568
1976.....	5,689	5,686	5,620	5,593	5,728	5,652	5,647	5,653	5,726	5,678	5,789	5,793
1977.....	5,839	5,849	5,893	5,924	6,006	6,016	5,908	6,138	6,107	6,110	6,088	6,187
1978.....	6,238	6,260	6,389	6,443	6,274	6,216	6,216	6,219	6,224	6,314	6,370	6,515
EMPLOYED - UNPAID-FAMILY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1974.....	472	472	508	493	476	488	477	419	541	489	484	505
1975.....	535	482	465	467	488	405	420	473	486	487	552	505
1976.....	522	475	433	461	439	452	439	459	434	466	458	478
1977.....	429	506	513	494	516	518	515	491	505	470	482	455
1978.....	456	482	488	499	497	466	485	449	470	453	455	460

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
EMPLOYED - PERSONS AT WORK IN NONAGRICULTURAL INDUSTRIES												
IN THOUSANDS												
1974.....	77,044	77,363	77,342	75,890	77,570	77,747	77,818	77,660	77,723	77,539	77,259	76,561
1975.....	76,656	76,039	75,864	76,502	75,857	76,264	75,136	76,344	76,728	76,898	77,092	77,380
1976.....	78,443	78,321	78,189	77,581	78,799	79,398	79,110	78,903	79,786	79,586	79,914	80,202
1977.....	80,001	80,887	81,262	81,000	81,570	81,684	82,413	82,511	82,814	82,804	83,369	83,556
1978.....	83,573	84,096	84,434	85,797	85,401	86,011	86,102	86,350	86,329	86,511	86,653	87,046
EMPLOYED - NONAGRICULTURAL WORKERS ON FULL-TIME SCHEDULES												
1974.....	64,071	64,185	64,310	63,575	64,434	64,603	64,483	64,442	64,424	64,128	63,548	62,765
1975.....	62,446	62,025	61,681	62,178	61,825	61,828	60,871	62,244	62,917	62,965	63,185	63,651
1976.....	64,186	64,331	64,369	63,914	64,724	64,810	65,039	64,639	65,129	65,139	65,463	65,737
1977.....	65,747	66,147	66,539	66,568	67,037	67,062	67,590	67,692	67,941	67,902	68,328	68,542
1978.....	68,862	69,211	69,495	70,481	70,090	70,723	70,929	71,205	71,085	71,318	71,394	71,787
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR ECONOMIC REASONS												
1974.....	2,484	2,632	2,435	2,338	2,626	2,539	2,572	2,707	2,876	2,926	3,181	3,294
1975.....	3,664	3,594	3,738	3,778	3,665	3,477	3,402	3,355	3,296	3,314	3,272	3,235
1976.....	3,359	3,211	3,181	3,210	3,275	3,145	3,178	3,206	3,348	3,391	3,461	3,380
1977.....	3,312	3,451	3,288	3,177	3,273	3,369	3,445	3,256	3,283	3,226	3,257	3,208
1978.....	3,045	3,203	3,184	3,310	3,247	3,433	3,316	3,298	3,203	3,164	3,131	3,058
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR ECONOMIC REASONS - USUALLY WORK FULL TIME												
1974.....	1,176	1,279	1,227	1,058	1,214	1,225	1,202	1,249	1,339	1,381	1,603	1,798
1975.....	1,961	1,923	1,859	1,833	1,688	1,564	1,555	1,470	1,417	1,443	1,391	1,332
1976.....	1,403	1,313	1,248	1,335	1,402	1,298	1,285	1,337	1,353	1,319	1,258	1,237
1977.....	1,173	1,375	1,234	1,193	1,274	1,309	1,411	1,186	1,221	1,231	1,227	1,246
1978.....	1,109	1,160	1,238	1,231	1,211	1,409	1,347	1,350	1,283	1,167	1,279	1,209
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR ECONOMIC REASONS - USUALLY WORK PART TIME												
1974.....	1,308	1,353	1,208	1,280	1,412	1,314	1,370	1,458	1,537	1,545	1,578	1,496
1975.....	1,703	1,671	1,879	1,945	1,977	1,913	1,847	1,885	1,879	1,871	1,881	1,903
1976.....	1,956	1,898	1,933	1,875	1,873	1,847	1,893	1,869	1,995	2,072	2,203	2,143
1977.....	2,139	2,076	2,054	1,984	1,999	2,060	2,034	2,070	2,062	1,995	2,030	1,962
1978.....	1,936	2,043	1,946	2,079	2,036	2,024	1,969	1,948	1,920	1,997	1,852	1,849
EMPLOYED - NONAGRICULTURAL WORKERS ON PART-TIME SCHEDULES FOR NONECONOMIC REASONS - USUALLY WORK PART TIME												
1974.....	10,489	10,546	10,597	9,977	10,510	10,605	10,763	10,511	10,423	10,485	10,530	10,502
1975.....	10,546	10,420	10,445	10,546	10,367	10,959	10,863	10,745	10,515	10,619	10,635	10,494
1976.....	10,898	10,779	10,639	10,457	10,800	11,443	10,893	11,058	11,309	11,056	10,990	11,085
1977.....	10,942	11,289	11,435	11,255	11,260	11,253	11,378	11,563	11,590	11,676	11,784	11,806
1978.....	11,666	11,682	11,755	12,006	12,064	11,855	11,857	11,847	12,041	12,029	12,128	12,201
EMPLOYMENT-POPULATION RATIO - ALL CIVILIAN WORKERS												
1974.....	57.3	57.4	57.4	57.1	57.2	57.1	57.2	57.0	56.9	56.8	56.4	56.1
1975.....	55.6	55.3	55.2	55.0	55.1	55.0	55.2	55.4	55.3	55.2	55.3	55.3
1976.....	55.7	55.8	55.9	56.0	56.2	56.0	56.2	56.2	56.1	56.0	56.2	55.3
1977.....	56.3	56.5	56.7	56.8	57.0	57.1	57.1	57.2	57.3	57.3	57.8	57.9
1978.....	58.1	58.1	58.2	58.4	58.5	58.8	58.6	58.7	58.8	58.9	59.1	59.1
EMPLOYMENT-POPULATION RATIO - MALES 20 YEARS AND OVER												
1974.....	76.7	76.5	76.4	75.9	76.1	75.9	75.7	75.6	75.5	75.3	75.0	74.4
1975.....	73.7	73.3	73.0	72.8	72.8	72.6	72.9	73.0	72.7	72.6	72.6	72.6
1976.....	72.9	73.0	73.1	73.3	73.4	73.0	73.2	73.3	73.3	73.2	73.1	73.1
1977.....	73.2	73.3	73.5	73.5	73.5	73.8	73.6	73.7	73.7	73.9	74.2	74.4
1978.....	74.4	74.4	74.4	74.5	74.6	74.8	74.5	74.4	74.4	74.5	74.9	74.8
EMPLOYMENT-POPULATION RATIO - FEMALES 20 YEARS AND OVER												
1974.....	42.4	42.6	42.8	42.8	42.8	42.9	43.3	42.9	42.8	42.6	42.4	42.3
1975.....	42.1	41.9	42.0	42.0	42.0	42.2	42.3	42.5	42.5	42.5	42.5	42.6
1976.....	43.0	43.0	43.2	43.2	43.4	43.5	43.6	43.7	43.5	43.4	43.9	44.1
1977.....	44.0	44.1	44.3	44.5	44.9	44.6	44.7	44.7	45.2	44.9	45.4	45.5
1978.....	45.8	46.0	46.1	46.3	46.3	46.5	46.5	46.6	47.0	47.0	47.2	47.2
EMPLOYMENT-POPULATION RATIO - BOTH SEXES 16-19 YEARS												
1974.....	46.1	46.0	45.9	45.1	44.9	45.3	44.7	44.8	45.2	45.0	44.3	43.6
1975.....	43.2	42.6	42.4	41.9	42.4	41.7	42.0	41.8	42.6	42.1	42.2	42.3
1976.....	42.8	43.0	43.3	43.5	43.7	43.0	44.4	43.4	43.0	43.2	43.1	43.0
1977.....	43.3	44.1	44.5	44.7	44.4	45.6	45.6	46.3	45.0	46.0	46.6	46.9
1978.....	46.8	46.0	46.2	46.7	47.4	48.9	48.1	48.9	47.9	48.2	48.0	48.0
EMPLOYMENT-POPULATION RATIO - WHITE WORKERS												
1974.....	57.6	57.8	57.8	57.6	57.6	57.6	57.7	57.5	57.4	57.3	57.1	56.7
1975.....	56.3	56.0	55.9	55.8	55.8	55.7	55.9	56.1	56.0	56.0	55.9	56.1
1976.....	56.4	56.5	56.6	56.7	56.8	56.8	57.0	57.0	56.9	56.8	56.9	57.1
1977.....	57.1	57.3	57.5	57.7	57.8	58.0	57.9	58.1	58.2	58.3	58.7	58.7
1978.....	58.9	58.8	58.9	59.1	59.2	59.6	59.3	59.4	59.5	59.6	59.9	59.9
EMPLOYMENT-POPULATION RATIO - BLACK AND OTHER WORKERS												
1974.....	54.4	54.1	53.7	53.4	53.4	53.4	52.9	53.1	53.1	52.6	51.7	51.0
1975.....	50.6	50.4	49.8	49.6	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.0
1976.....	50.2	50.3	50.8	50.9	50.9	50.1	50.6	50.6	50.6	50.4	51.0	50.7
1977.....	50.8	50.9	50.8	50.9	50.7	51.2	50.8	50.7	51.0	50.9	51.5	52.6
1978.....	52.4	53.0	52.9	52.9	53.0	53.4	53.2	53.5	53.9	53.9	53.7	53.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - ALL CIVILIAN WORKERS												
IN THOUSANDS												
1974.....	4,564	4,661	4,559	4,536	4,670	4,846	4,976	4,926	5,357	5,432	6,044	6,548
1975.....	7,390	7,823	7,874	8,107	8,438	8,119	8,023	7,805	7,841	7,797	7,677	7,631
1976.....	7,390	7,195	7,104	7,218	7,037	7,206	7,370	7,385	7,280	7,323	7,467	7,386
1977.....	7,115	7,268	7,151	6,944	6,896	7,008	6,706	6,795	6,624	6,654	6,635	6,187
1978.....	6,292	6,092	6,153	6,063	6,156	5,864	6,176	5,940	5,964	5,836	5,877	6,012
UNEMPLOYED - MALES												
1974.....	2,392	2,473	2,392	2,433	2,410	2,530	2,536	2,603	2,776	2,886	3,181	3,549
1975.....	4,021	4,112	4,371	4,564	4,714	4,632	4,579	4,376	4,484	4,367	4,327	4,199
1976.....	4,077	3,896	3,867	3,951	3,880	3,974	3,986	3,890	3,947	3,952	4,107	4,056
1977.....	3,849	3,948	3,772	3,627	3,673	3,629	3,506	3,542	3,352	3,433	3,331	3,146
1978.....	3,256	3,221	3,235	3,096	3,032	2,816	2,971	2,937	2,965	2,971	2,923	3,044
UNEMPLOYED - FEMALES												
1974.....	2,172	2,188	2,167	2,103	2,260	2,316	2,440	2,323	2,581	2,546	2,863	2,999
1975.....	3,369	3,311	3,503	3,543	3,724	3,487	3,444	3,429	3,357	3,430	3,350	3,432
1976.....	3,313	3,299	3,237	3,267	3,157	3,232	3,384	3,495	3,333	3,371	3,360	3,330
1977.....	3,266	3,320	3,379	3,317	3,223	3,379	3,200	3,253	3,272	3,221	3,304	3,041
1978.....	3,036	2,871	2,918	2,967	3,124	3,048	3,205	3,003	2,999	2,865	2,954	2,968
UNEMPLOYED - BOTH SEXES 16-19 YEARS												
1974.....	1,279	1,310	1,306	1,228	1,342	1,449	1,482	1,288	1,528	1,534	1,579	1,605
1975.....	1,731	1,696	1,744	1,727	1,812	1,834	1,818	1,815	1,722	1,735	1,655	1,748
1976.....	1,733	1,693	1,677	1,765	1,692	1,653	1,653	1,777	1,653	1,700	1,716	1,706
1977.....	1,679	1,670	1,692	1,653	1,653	1,781	1,603	1,639	1,660	1,609	1,622	1,438
1978.....	1,540	1,604	1,590	1,573	1,570	1,458	1,576	1,528	1,562	1,557	1,556	1,590
UNEMPLOYED - MALES 16-19 YEARS												
1974.....	673	694	692	675	702	772	744	697	835	802	848	867
1975.....	942	938	943	979	963	1,062	1,014	988	926	929	888	913
1976.....	973	912	909	999	948	880	895	907	906	938	946	923
1977.....	866	889	895	851	871	943	846	875	864	828	842	759
1978.....	792	845	841	817	768	704	784	756	793	826	810	849
UNEMPLOYED - FEMALES 16-19 YEARS												
1974.....	606	616	614	553	640	677	738	591	693	732	731	738
1975.....	789	758	801	748	849	772	804	827	796	806	767	835
1976.....	760	781	768	766	744	773	758	870	747	762	770	783
1977.....	813	781	797	802	782	838	757	764	796	781	780	679
1978.....	748	759	749	756	802	754	792	772	769	731	746	741
UNEMPLOYED - BOTH SEXES 20 YEARS AND OVER												
1974.....	3,285	3,351	3,253	3,308	3,328	3,397	3,494	3,638	3,829	3,898	4,465	4,943
1975.....	5,659	5,727	6,130	6,380	6,626	6,285	6,205	5,990	6,119	6,062	6,022	5,883
1976.....	5,657	5,502	5,427	5,453	5,345	5,553	5,717	5,608	5,627	5,623	5,751	5,680
1977.....	5,436	5,598	5,459	5,291	5,243	5,227	5,103	5,156	4,964	5,045	5,013	4,749
1978.....	4,752	4,488	4,563	4,490	4,586	4,406	4,600	4,412	4,402	4,279	4,321	4,422
UNEMPLOYED - MALES 20 YEARS AND OVER												
1974.....	1,719	1,779	1,700	1,758	1,708	1,758	1,792	1,906	1,941	2,084	2,333	2,582
1975.....	3,079	3,174	3,428	3,585	3,751	3,570	3,565	3,388	3,558	3,438	3,439	3,286
1976.....	3,104	2,984	2,958	2,952	2,932	3,094	3,091	2,983	3,041	3,014	3,161	3,133
1977.....	2,983	3,059	2,877	2,776	2,802	2,686	2,660	2,667	2,488	2,605	2,489	2,387
1978.....	2,464	2,376	2,394	2,279	2,264	2,112	2,187	2,181	2,172	2,145	2,113	2,195
UNEMPLOYED - FEMALES 20 YEARS AND OVER												
1974.....	1,566	1,572	1,553	1,550	1,620	1,639	1,702	1,732	1,888	1,814	2,132	2,261
1975.....	2,580	2,553	2,702	2,795	2,875	2,715	2,640	2,602	2,561	2,624	2,583	2,597
1976.....	2,553	2,518	2,469	2,501	2,413	2,459	2,626	2,625	2,586	2,609	2,590	2,547
1977.....	2,453	2,539	2,582	2,515	2,441	2,541	2,443	2,489	2,476	2,440	2,524	2,362
1978.....	2,288	2,112	2,169	2,211	2,322	2,294	2,413	2,231	2,230	2,134	2,208	2,227
UNEMPLOYED - BOTH SEXES 20-24 YEARS												
1974.....	1,056	1,087	1,021	1,033	1,110	1,123	1,163	1,259	1,270	1,225	1,393	1,547
1975.....	1,634	1,746	1,848	1,940	2,006	1,780	1,889	1,828	1,902	1,849	1,830	1,764
1976.....	1,723	1,627	1,635	1,674	1,605	1,654	1,618	1,668	1,628	1,740	1,743	1,729
1977.....	1,616	1,700	1,622	1,568	1,576	1,573	1,546	1,625	1,550	1,512	1,509	1,483
1978.....	1,543	1,477	1,501	1,482	1,351	1,399	1,479	1,343	1,399	1,298	1,361	1,406
UNEMPLOYED - MALES 20-24 YEARS												
1974.....	558	590	545	547	583	592	595	674	668	690	774	833
1975.....	916	976	1,059	1,150	1,146	1,046	1,116	1,080	1,150	1,087	1,048	989
1976.....	952	891	897	894	886	928	923	906	892	970	963	988
1977.....	884	931	869	852	844	833	833	905	822	786	776	766
1978.....	832	802	800	747	640	679	712	708	696	693	699	730
UNEMPLOYED - FEMALES 20-24 YEARS												
1974.....	498	497	476	486	527	531	568	585	602	535	619	714
1975.....	718	770	789	790	860	734	773	748	752	762	782	775
1976.....	771	736	738	780	719	726	695	762	736	770	780	741
1977.....	732	769	753	716	732	740	713	720	728	726	733	717
1978.....	711	675	701	735	711	720	767	635	703	605	662	676

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - BOTH SEXES 25 YEARS AND OVER												
IN THOUSANDS												
1974.....	2,211	2,244	2,208	2,282	2,197	2,263	2,359	2,390	2,606	2,751	3,047	3,367
1975.....	3,989	3,931	4,228	4,452	4,570	4,536	4,387	4,203	4,304	4,319	4,161	4,084
1976.....	3,908	3,829	3,753	3,791	3,700	3,905	4,167	3,976	4,064	3,957	3,983	3,927
1977.....	3,803	3,861	3,804	3,729	3,636	3,651	3,603	3,555	3,446	3,579	3,489	3,257
1978.....	3,205	2,992	3,044	3,016	3,215	2,991	3,152	3,088	3,025	3,015	2,951	3,015
UNEMPLOYED - MALES 25 YEARS AND OVER												
1974.....	1,142	1,165	1,133	1,216	1,102	1,158	1,212	1,265	1,315	1,486	1,540	1,822
1975.....	2,122	2,146	2,321	2,449	2,540	2,533	2,484	2,375	2,490	2,477	2,369	2,269
1976.....	2,116	2,047	2,026	2,065	1,988	2,168	2,199	2,135	2,211	2,136	2,106	2,131
1977.....	2,073	2,089	1,983	1,928	1,899	1,849	1,848	1,804	1,696	1,885	1,789	1,518
1978.....	1,618	1,551	1,582	1,533	1,575	1,426	1,487	1,506	1,495	1,505	1,413	1,869
UNEMPLOYED - FEMALES 25 YEARS AND OVER												
1974.....	1,069	1,079	1,075	1,066	1,095	1,105	1,147	1,125	1,291	1,265	1,507	1,545
1975.....	1,867	1,785	1,907	2,003	2,030	2,003	1,903	1,828	1,814	1,842	1,792	1,315
1976.....	1,792	1,782	1,727	1,726	1,712	1,737	1,968	1,841	1,853	1,821	1,797	1,796
1977.....	1,730	1,772	1,821	1,801	1,737	1,802	1,755	1,751	1,750	1,624	1,780	1,639
1978.....	1,587	1,441	1,462	1,483	1,640	1,565	1,665	1,582	1,530	1,510	1,538	1,546
UNEMPLOYED - BOTH SEXES 25-54 YEARS												
1974.....	1,808	1,852	1,825	1,929	1,821	1,877	1,946	1,959	2,147	2,314	2,600	2,850
1975.....	3,363	3,307	3,575	3,741	3,873	3,839	3,658	3,583	3,625	3,639	3,491	3,407
1976.....	3,229	3,199	3,089	3,120	3,094	3,235	3,440	3,319	3,382	3,332	3,386	3,365
1977.....	3,178	3,212	3,211	3,121	3,045	3,102	2,996	3,017	2,863	2,982	2,890	2,715
1978.....	2,685	2,532	2,611	2,536	2,740	2,538	2,648	2,660	2,553	2,569	2,514	2,615
UNEMPLOYED - MALES 25-54 YEARS												
1974.....	900	905	918	1,006	903	941	977	992	1,056	1,220	1,298	1,519
1975.....	1,750	1,768	1,926	2,010	2,136	2,126	2,071	2,004	2,062	2,054	1,972	1,864
1976.....	1,723	1,662	1,610	1,658	1,616	1,743	1,825	1,745	1,797	1,754	1,819	1,805
1977.....	1,691	1,685	1,618	1,577	1,566	1,543	1,516	1,498	1,348	1,515	1,360	1,302
1978.....	1,316	1,261	1,304	1,223	1,286	1,145	1,185	1,256	1,228	1,237	1,188	1,249
UNEMPLOYED - FEMALES 25-54 YEARS												
1974.....	908	947	907	923	918	936	969	967	1,091	1,094	1,302	1,331
1975.....	1,613	1,539	1,649	1,731	1,737	1,713	1,587	1,579	1,563	1,585	1,519	1,543
1976.....	1,506	1,537	1,479	1,462	1,478	1,492	1,615	1,574	1,585	1,578	1,527	1,560
1977.....	1,487	1,527	1,593	1,544	1,479	1,559	1,480	1,519	1,518	1,467	1,510	1,413
1978.....	1,369	1,271	1,307	1,313	1,454	1,393	1,463	1,404	1,325	1,332	1,326	1,366
UNEMPLOYED - MALES 25-34 YEARS												
1974.....	445	442	462	542	466	484	490	504	496	635	653	784
1975.....	847	900	963	1,004	1,022	1,053	1,014	941	1,007	966	966	919
1976.....	868	868	819	843	858	900	924	896	912	911	944	912
1977.....	883	887	858	868	846	827	861	842	781	868	767	716
1978.....	724	688	696	671	657	568	606	652	616	656	627	661
UNEMPLOYED - FEMALES 25-34 YEARS												
1974.....	440	456	436	428	403	414	471	468	515	532	615	608
1975.....	748	708	778	808	855	841	799	767	756	766	729	743
1976.....	741	760	736	705	745	772	801	816	814	811	772	793
1977.....	742	787	793	816	728	774	732	739	738	757	745	731
1978.....	657	630	701	718	740	714	749	737	705	677	700	716
UNEMPLOYED - MALES 35-44 YEARS												
1974.....	229	229	209	231	222	240	246	254	297	311	336	395
1975.....	452	457	512	540	571	524	512	508	493	494	511	472
1976.....	437	424	388	410	378	425	463	446	474	439	432	422
1977.....	401	407	405	363	385	380	368	348	317	351	346	296
1978.....	305	288	327	312	333	311	298	322	302	295	288	312
UNEMPLOYED - FEMALES 35-44 YEARS												
1974.....	247	261	261	278	297	290	282	294	300	297	357	375
1975.....	477	444	452	499	443	451	383	434	437	457	429	429
1976.....	419	417	412	425	405	406	422	413	422	422	407	430
1977.....	405	412	413	384	415	425	422	427	431	400	424	392
1978.....	431	368	356	322	427	387	396	390	366	375	380	384
UNEMPLOYED - MALES 45-54 YEARS												
1974.....	226	234	247	233	215	217	241	234	263	274	309	340
1975.....	451	411	451	466	543	549	545	555	562	594	495	473
1976.....	418	370	403	405	380	418	438	403	411	404	443	471
1977.....	407	391	355	346	335	336	287	308	247	296	267	290
1978.....	287	285	281	240	296	266	281	282	310	286	273	276
UNEMPLOYED - FEMALES 45-54 YEARS												
1974.....	221	230	210	217	218	232	216	205	276	265	330	348
1975.....	388	387	419	424	439	421	405	378	370	362	361	371
1976.....	346	360	331	332	328	314	392	345	349	345	388	337
1977.....	340	328	387	344	336	360	326	353	349	310	381	290
1978.....	281	273	250	273	287	292	318	277	254	280	246	266

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - BOTH SEXES 55-64 YEARS												
IN THOUSANDS												
1974.....	292	302	283	274	288	298	307	338	333	329	340	427
1975.....	473	495	510	535	529	537	534	514	514	536	510	507
1976.....	487	492	509	521	480	531	525	541	532	490	488	462
1977.....	458	503	463	449	451	420	414	412	435	442	432	414
1978.....	379	363	330	330	328	329	323	316	350	338	338	320
UNEMPLOYED - MALES 55-64 YEARS												
1974.....	178	199	156	155	152	167	183	205	187	177	180	238
1975.....	273	284	295	309	315	301	309	307	308	298	303	303
1976.....	278	285	307	303	294	329	292	316	310	276	283	260
1977.....	264	292	265	250	251	227	230	225	240	256	231	235
1978.....	213	214	198	205	202	199	208	168	181	194	176	168
UNEMPLOYED - FEMALES 55-64 YEARS												
1974.....	114	103	127	119	136	131	124	133	146	152	160	189
1975.....	200	211	215	226	214	236	225	207	206	238	207	204
1976.....	209	207	202	218	186	202	233	225	222	214	205	202
1977.....	194	211	198	199	200	193	184	187	195	186	201	179
1978.....	166	149	132	125	126	130	115	148	169	144	162	152
UNEMPLOYED - BOTH SEXES 65 YEARS AND OVER												
1974.....	97	101	92	90	92	87	91	117	103	111	104	108
1975.....	126	144	143	173	188	163	159	154	134	151	162	195
1976.....	168	153	166	133	139	147	164	146	136	137	145	123
1977.....	148	163	152	141	146	134	143	138	145	150	151	147
1978.....	132	113	129	140	146	135	142	120	128	100	90	104
UNEMPLOYED - MALES 65 YEARS AND OVER												
1974.....	61	61	54	58	56	54	57	83	62	72	67	74
1975.....	84	96	96	118	111	112	108	100	97	104	107	112
1976.....	103	104	108	85	95	101	83	98	89	88	94	78
1977.....	108	114	105	86	95	79	94	88	99	97	98	91
1978.....	84	77	85	94	94	87	97	89	84	59	54	67
UNEMPLOYED - FEMALES 65 YEARS AND OVER												
1974.....	36	40	38	32	36	33	34	34	41	39	37	34
1975.....	42	48	47	55	77	51	51	54	37	47	55	83
1976.....	65	49	58	48	44	46	81	48	47	49	51	45
1977.....	40	49	47	55	51	55	49	50	46	53	53	56
1978.....	48	36	44	46	52	48	45	31	44	41	36	37
UNEMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1974.....	277	283	285	227	911	334	339	337	354	323	366	357
1975.....	379	392	352	407	386	387	347	341	373	365	355	378
1976.....	428	380	379	368	407	402	357	364	346	394	440	398
1977.....	335	387	410	341	368	353	369	382	409	390	368	329
1978.....	362	348	384	378	321	323	380	363	355	347	377	383
UNEMPLOYED - MALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1974.....	640	642	675	699	692	729	693	718	794	810	828	866
1975.....	954	954	1,055	1,045	1,101	1,163	1,205	1,115	1,049	1,025	997	968
1976.....	993	965	951	1,011	907	887	979	969	963	963	963	980
1977.....	903	940	873	890	898	965	884	910	831	814	834	797
1978.....	829	881	822	785	772	677	750	724	765	795	767	805
UNEMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1974.....	220	257	215	162	227	253	263	264	258	295	273	288
1975.....	322	298	334	286	326	307	286	291	285	338	304	297
1976.....	287	277	282	286	284	321	306	291	308	281	363	307
1977.....	315	330	333	327	331	253	287	309	340	323	332	267
1978.....	329	330	315	333	310	267	295	301	309	289	289	317
UNEMPLOYED - FEMALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1974.....	639	639	651	650	688	645	738	639	725	717	723	749
1975.....	781	821	860	818	927	806	879	920	851	842	825	893
1976.....	802	802	783	843	758	780	755	931	735	814	769	797
1977.....	831	804	808	811	763	901	797	788	779	801	794	739
1978.....	751	723	746	735	812	810	857	796	799	731	776	759
UNEMPLOYED - WHITE WORKERS												
1974.....	3,638	3,679	3,596	3,611	3,734	3,893	3,966	3,992	4,375	4,374	4,853	5,215
1975.....	6,029	5,996	6,365	6,567	6,939	6,655	6,618	6,371	6,364	6,397	6,233	6,146
1976.....	5,972	5,704	5,684	5,743	5,686	5,770	5,949	5,986	5,922	5,942	6,004	5,379
1977.....	5,724	5,798	5,673	5,515	5,435	5,542	5,194	5,230	5,144	5,149	5,067	4,715
1978.....	4,813	4,705	4,652	4,599	4,669	4,455	4,646	4,595	4,612	4,502	4,455	4,622
UNEMPLOYED - WHITE WORKERS 16-19 YEARS												
1974.....	1,012	1,025	1,000	947	1,043	1,136	1,114	1,008	1,229	1,197	1,235	1,251
1975.....	1,374	1,338	1,387	1,351	1,452	1,495	1,482	1,479	1,386	1,393	1,343	1,402
1976.....	1,407	1,357	1,357	1,370	1,323	1,301	1,336	1,407	1,310	1,356	1,384	1,380
1977.....	1,358	1,340	1,355	1,308	1,311	1,388	1,196	1,237	1,293	1,237	1,236	1,046
1978.....	1,156	1,213	1,198	1,183	1,164	1,065	1,150	1,193	1,206	1,206	1,181	1,218

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - WHITE WORKERS 20 YEARS AND OVER												
IN THOUSANDS												
1974.....	2,626	2,654	2,596	2,664	2,691	2,757	2,852	2,984	3,146	3,177	3,618	3,964
1975.....	4,655	4,658	4,978	5,216	5,487	5,160	5,136	4,892	4,978	5,004	4,890	4,744
1976.....	4,565	4,347	4,339	4,373	4,363	4,469	4,613	4,579	4,612	4,586	4,620	4,499
1977.....	4,366	4,458	4,318	4,207	4,124	4,154	3,998	3,993	3,851	3,912	3,831	3,569
1978.....	3,657	3,492	3,454	3,416	3,505	3,390	3,496	3,402	3,406	3,296	3,274	3,404
UNEMPLOYED - WHITE MALES												
1974.....	1,934	1,943	1,859	1,945	1,957	2,024	2,070	2,130	2,284	2,387	2,568	2,837
1975.....	3,267	3,312	3,547	3,696	3,900	3,836	3,814	3,636	3,747	3,660	3,556	3,383
1976.....	3,306	3,087	3,116	3,169	3,174	3,225	3,283	3,217	3,292	3,256	3,344	3,244
1977.....	3,108	3,162	3,012	2,938	2,932	2,925	2,723	2,723	2,635	2,664	2,594	2,443
1978.....	2,491	2,494	2,509	2,344	2,319	2,213	2,285	2,318	2,331	2,351	2,234	2,374
UNEMPLOYED - WHITE MALES 16-19 YEARS												
1974.....	532	538	513	519	569	595	571	536	653	626	657	678
1975.....	747	762	764	777	785	876	835	812	769	753	744	758
1976.....	808	734	749	793	762	704	738	726	713	747	773	744
1977.....	697	703	705	669	684	765	610	653	682	637	639	561
1978.....	591	642	633	604	566	547	567	607	615	658	608	564
UNEMPLOYED - WHITE MALES 20 YEARS AND OVER												
1974.....	1,402	1,405	1,346	1,426	1,388	1,429	1,499	1,594	1,631	1,761	1,911	2,159
1975.....	2,520	2,550	2,783	2,919	3,115	2,960	2,979	2,824	2,978	2,907	2,812	2,625
1976.....	2,498	2,353	2,367	2,376	2,412	2,521	2,545	2,491	2,579	2,509	2,571	2,500
1977.....	2,411	2,459	2,307	2,269	2,248	2,160	2,113	2,070	1,953	2,027	1,955	1,882
1978.....	1,900	1,852	1,876	1,740	1,753	1,666	1,718	1,711	1,716	1,693	1,626	1,710
UNEMPLOYED - WHITE FEMALES												
1974.....	1,704	1,736	1,737	1,666	1,777	1,869	1,896	1,862	2,091	1,987	2,285	2,378
1975.....	2,762	2,684	2,818	2,871	3,039	2,819	2,804	2,735	2,617	2,737	2,677	2,763
1976.....	2,666	2,617	2,568	2,574	2,512	2,545	2,666	2,769	2,630	2,686	2,660	2,635
1977.....	2,616	2,636	2,661	2,577	2,503	2,617	2,471	2,507	2,509	2,485	2,473	2,272
1978.....	2,322	2,211	2,143	2,255	2,350	2,242	2,361	2,277	2,281	2,151	2,221	2,248
UNEMPLOYED - WHITE FEMALES 16-19 YEARS												
1974.....	480	487	487	428	474	541	543	472	576	571	578	573
1975.....	627	576	623	574	667	619	627	667	617	640	599	544
1976.....	599	623	596	577	561	597	598	681	597	609	611	636
1977.....	661	637	650	639	627	623	586	584	611	600	597	485
1978.....	565	571	565	579	598	518	583	586	591	548	573	554
UNEMPLOYED - WHITE FEMALES 20 YEARS AND OVER												
1974.....	1,224	1,249	1,250	1,238	1,303	1,328	1,353	1,390	1,515	1,416	1,707	1,805
1975.....	2,135	2,108	2,195	2,297	2,372	2,200	2,157	2,068	2,000	2,097	2,078	2,119
1976.....	2,067	1,994	1,972	1,997	1,951	1,948	2,068	2,088	2,033	2,077	2,049	1,999
1977.....	1,955	1,999	2,011	1,938	1,876	1,994	1,885	1,923	1,898	1,885	1,876	1,787
1978.....	1,757	1,640	1,578	1,676	1,752	1,724	1,778	1,691	1,690	1,603	1,648	1,694
UNEMPLOYED - BLACK AND OTHER WORKERS												
1974.....	942	952	944	890	937	955	1,020	968	1,027	1,135	1,196	1,285
1975.....	1,361	1,382	1,458	1,482	1,496	1,486	1,417	1,499	1,553	1,498	1,448	1,444
1976.....	1,422	1,476	1,377	1,422	1,339	1,466	1,403	1,459	1,402	1,450	1,462	1,485
1977.....	1,401	1,470	1,439	1,375	1,443	1,504	1,473	1,607	1,500	1,553	1,564	1,471
1978.....	1,499	1,404	1,480	1,411	1,469	1,437	1,477	1,378	1,363	1,373	1,417	1,395
UNEMPLOYED - BLACK AND OTHER WORKERS 16-19 YEARS												
1974.....	285	280	311	266	289	310	360	286	309	339	350	350
1975.....	372	356	365	359	350	336	323	343	343	347	319	343
1976.....	339	340	341	373	357	348	301	378	348	351	343	324
1977.....	329	338	344	319	335	392	393	408	371	380	400	393
1978.....	393	397	401	362	402	390	410	337	362	358	390	371
UNEMPLOYED - BLACK AND OTHER WORKERS 20 YEARS AND OVER												
1974.....	657	672	633	624	648	645	660	682	718	796	846	935
1975.....	989	1,026	1,093	1,123	1,146	1,150	1,094	1,156	1,210	1,151	1,129	1,101
1976.....	1,083	1,136	1,036	1,049	982	1,118	1,102	1,081	1,054	1,099	1,119	1,161
1977.....	1,072	1,132	1,095	1,056	1,108	1,112	1,080	1,199	1,129	1,173	1,164	1,078
1978.....	1,106	1,007	1,079	1,049	1,067	1,047	1,067	1,041	1,001	1,015	1,027	1,024
UNEMPLOYED - BLACK AND OTHER MALES												
1974.....	452	495	514	462	443	509	490	507	549	574	617	669
1975.....	729	739	779	815	799	820	795	804	834	802	782	778
1976.....	744	762	716	727	697	785	711	728	719	760	776	796
1977.....	717	742	733	631	735	749	775	854	751	812	747	706
1978.....	749	703	710	697	709	646	669	646	654	653	697	679
UNEMPLOYED - BLACK AND OTHER MALES 16-19 YEARS												
1974.....	149	152	182	145	127	175	172	164	188	177	193	191
1975.....	201	174	185	188	173	189	168	181	162	178	148	158
1976.....	169	179	165	188	182	184	139	186	196	195	180	183
1977.....	170	189	193	161	186	194	216	224	185	195	213	202
1978.....	203	205	211	190	204	175	194	149	181	172	213	188

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - BLACK AND OTHER MALES 20 YEARS AND OVER												
IN THOUSANDS												
1974.....	303	343	332	317	316	334	318	343	361	397	424	478
1975.....	528	565	594	627	626	631	627	623	672	624	634	620
1976.....	575	583	551	539	515	601	572	542	523	565	596	613
1977.....	547	553	540	470	549	555	559	630	566	617	534	504
1978.....	546	498	499	507	505	471	475	497	473	481	484	491
UNEMPLOYED - BLACK AND OTHER FEMALES												
1974.....	490	457	430	428	494	446	530	461	478	561	579	616
1975.....	632	643	679	667	697	666	622	695	719	696	666	666
1976.....	678	714	661	695	642	681	692	731	683	690	686	689
1977.....	684	728	706	744	708	755	698	753	749	741	817	765
1978.....	750	701	770	714	760	791	808	732	709	720	720	716
UNEMPLOYED - BLACK AND OTHER FEMALES 16-19 YEARS												
1974.....	136	128	129	121	162	135	188	122	121	162	157	159
1975.....	171	182	180	171	177	147	155	162	181	169	171	185
1976.....	170	161	176	185	175	164	162	192	152	156	163	141
1977.....	159	149	151	158	149	198	177	184	186	185	187	191
1978.....	190	192	190	172	198	215	216	188	181	186	177	183
UNEMPLOYED - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1974.....	354	329	301	307	332	311	342	339	357	399	422	457
1975.....	461	461	499	496	520	519	467	533	538	527	495	481
1976.....	508	553	485	510	467	517	530	539	531	534	523	548
1977.....	525	579	555	586	559	557	521	569	563	556	630	574
1978.....	560	509	580	542	562	576	592	544	528	534	543	533
UNEMPLOYED - BLACK WORKERS												
1974.....	848	849	851	841	874	903	937	891	989	1,053	1,119	1,175
1975.....	1,266	1,258	1,354	1,377	1,376	1,370	1,285	1,394	1,425	1,369	1,321	1,323
1976.....	1,302	1,303	1,250	1,294	1,227	1,333	1,300	1,351	1,277	1,315	1,306	1,319
1977.....	1,288	1,326	1,323	1,217	1,306	1,361	1,346	1,488	1,412	1,441	1,417	1,348
1978.....	1,371	1,274	1,317	1,286	1,323	1,300	1,325	1,244	1,218	1,232	1,271	1,256
UNEMPLOYED - BLACK MALES 16-19 YEARS												
1974.....	136	133	159	137	130	164	165	147	179	160	182	177
1975.....	190	154	166	185	170	184	156	178	157	170	141	149
1976.....	155	152	147	166	179	177	145	178	179	179	163	168
1977.....	158	174	174	137	174	179	207	219	175	188	203	188
1978.....	188	196	200	181	185	154	178	147	162	146	190	166
UNEMPLOYED - BLACK FEMALES 16-19 YEARS												
1974.....	130	125	127	119	151	130	174	110	128	153	150	148
1975.....	161	164	167	158	160	139	136	151	179	159	154	167
1976.....	155	153	168	173	161	154	151	180	146	145	158	138
1977.....	155	146	140	149	137	198	167	170	184	173	173	178
1978.....	175	179	175	161	183	204	190	175	164	172	163	172
UNEMPLOYED - BLACK MALES 20 YEARS AND OVER												
1974.....	279	302	299	294	290	317	276	324	349	377	400	439
1975.....	493	507	550	570	558	582	563	573	606	566	583	573
1976.....	528	530	499	493	465	530	521	502	488	514	542	529
1977.....	490	488	491	406	496	482	498	581	529	560	490	458
1978.....	503	457	438	450	438	416	424	438	407	436	445	437
UNEMPLOYED - BLACK FEMALES 20 YEARS AND OVER												
1974.....	303	289	266	291	303	292	322	310	333	363	387	411
1975.....	422	433	471	464	488	465	430	492	483	474	443	434
1976.....	464	468	436	462	422	472	483	491	464	477	443	484
1977.....	485	518	518	525	499	502	474	518	524	520	551	524
1978.....	505	442	504	494	517	526	533	484	485	478	473	481
UNEMPLOYED - MARRIED WORKERS, SPOUSE PRESENT												
1974.....	1,909	1,992	1,882	1,867	1,831	1,995	2,110	2,201	2,333	2,304	2,692	2,991
1975.....	3,535	3,553	3,802	4,044	4,182	3,955	3,780	3,687	3,737	3,665	3,510	3,404
1976.....	3,262	3,220	3,140	3,124	3,138	3,291	3,357	3,310	3,325	3,266	3,266	3,173
1977.....	3,040	3,161	3,065	3,003	2,931	2,886	2,814	2,796	2,715	2,825	2,744	2,522
1978.....	2,524	2,386	2,397	2,291	2,530	2,378	2,354	2,397	2,344	2,276	2,260	2,337
UNEMPLOYED - MARRIED MEN, SPOUSE PRESENT												
1974.....	943	971	924	945	877	1,005	1,056	1,100	1,118	1,196	1,335	1,516
1975.....	1,829	1,877	2,015	2,187	2,313	2,218	2,160	2,076	2,121	2,058	1,945	1,858
1976.....	1,717	1,663	1,654	1,626	1,634	1,741	1,747	1,668	1,745	1,674	1,713	1,642
1977.....	1,600	1,631	1,514	1,488	1,461	1,377	1,369	1,371	1,290	1,409	1,300	1,236
1978.....	1,220	1,163	1,198	1,125	1,144	1,089	1,075	1,097	1,055	1,033	961	1,010
UNEMPLOYED - MARRIED WOMEN, SPOUSE PRESENT												
1974.....	966	1,021	958	922	954	990	1,054	1,101	1,215	1,108	1,357	1,475
1975.....	1,706	1,676	1,787	1,857	1,869	1,737	1,620	1,611	1,616	1,607	1,565	1,546
1976.....	1,545	1,557	1,486	1,498	1,504	1,550	1,610	1,642	1,580	1,592	1,553	1,531
1977.....	1,440	1,530	1,551	1,515	1,470	1,509	1,445	1,425	1,425	1,416	1,444	1,386
1978.....	1,304	1,223	1,199	1,166	1,386	1,289	1,279	1,300	1,289	1,243	1,299	1,327

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - WOMEN WHO HEAD FAMILIES												
IN THOUSANDS												
1974.....	237	229	233	243	266	249	237	245	278	271	324	316
1975.....	345	374	385	369	421	402	415	398	386	417	398	415
1976.....	433	422	396	401	383	398	420	439	435	443	412	437
1977.....	409	406	418	406	392	414	399	435	462	422	423	360
1978.....	383	361	415	486	451	424	475	395	389	365	377	376
UNEMPLOYED - FULL-TIME WORKERS												
1974.....	3,517	3,547	3,502	3,567	3,588	3,683	3,860	3,820	4,176	4,355	4,766	5,190
1975.....	5,991	6,041	6,414	6,727	7,007	6,687	6,646	6,338	6,584	6,528	6,320	6,165
1976.....	5,947	5,752	5,747	5,786	5,646	5,891	5,863	5,911	5,960	5,973	5,973	5,992
1977.....	5,663	5,731	5,605	5,545	5,477	5,466	5,385	5,448	5,256	5,304	5,179	4,869
1978.....	4,949	4,836	4,778	4,676	4,782	4,529	4,890	4,641	4,652	4,505	4,491	4,597
UNEMPLOYED - FULL-TIME WORKERS 16-19 YEARS												
1974.....	761	742	754	726	753	785	850	761	889	902	926	900
1975.....	1,033	1,001	1,043	1,054	1,120	1,116	1,102	1,077	1,025	1,023	967	1,030
1976.....	1,027	966	1,007	1,076	991	956	868	1,040	988	1,009	956	987
1977.....	947	968	927	956	919	954	910	942	896	880	910	840
1978.....	854	893	871	860	862	726	914	840	870	862	882	981
UNEMPLOYED - FULL-TIME MALES 20 YEARS AND OVER												
1974.....	1,526	1,575	1,536	1,617	1,551	1,593	1,659	1,745	1,807	2,005	2,134	2,456
1975.....	2,855	2,910	3,153	3,362	3,445	3,372	3,364	3,203	3,430	3,332	3,215	3,043
1976.....	2,832	2,699	2,699	2,694	2,692	2,894	2,893	2,792	2,903	2,875	2,934	2,902
1977.....	2,714	2,757	2,636	2,556	2,551	2,494	2,478	2,472	2,334	2,459	2,275	2,153
1978.....	2,230	2,184	2,162	2,079	2,080	1,964	2,010	2,012	1,992	2,015	1,925	1,996
UNEMPLOYED - FULL-TIME FEMALES 20 YEARS AND OVER												
1974.....	1,230	1,230	1,212	1,224	1,284	1,305	1,351	1,314	1,480	1,448	1,706	1,834
1975.....	2,103	2,130	2,218	2,311	2,442	2,199	2,180	2,058	2,129	2,173	2,138	2,092
1976.....	2,088	2,087	2,041	2,016	1,963	2,041	2,102	2,079	2,069	2,089	2,083	2,103
1977.....	2,002	2,006	2,042	2,033	2,007	2,018	1,997	2,034	2,026	1,965	1,994	1,876
1978.....	1,865	1,759	1,745	1,737	1,840	1,839	1,966	1,789	1,790	1,628	1,684	1,720
UNEMPLOYED - PART-TIME WORKERS												
1974.....	1,037	1,077	1,035	1,001	1,105	1,145	1,142	1,111	1,210	1,176	1,265	1,297
1975.....	1,375	1,332	1,414	1,397	1,423	1,403	1,398	1,461	1,378	1,417	1,363	1,406
1976.....	1,422	1,413	1,342	1,456	1,394	1,285	1,542	1,460	1,385	1,439	1,465	1,355
1977.....	1,440	1,520	1,552	1,411	1,425	1,524	1,350	1,330	1,402	1,401	1,422	1,294
1978.....	1,341	1,260	1,394	1,399	1,389	1,300	1,318	1,284	1,317	1,354	1,350	1,403
UNEMPLOYED - PART-TIME WORKERS 16-19 YEARS												
1974.....	535	553	552	533	587	636	633	524	635	634	662	698
1975.....	712	689	706	703	688	685	711	730	693	717	695	714
1976.....	718	729	679	711	694	656	785	730	661	698	767	720
1977.....	741	708	778	712	728	785	701	685	757	735	718	606
1978.....	694	717	732	725	704	684	676	675	684	702	681	721
UNEMPLOYED - PART-TIME MALES 20 YEARS AND OVER												
1974.....	168	168	139	141	146	179	153	196	178	173	181	197
1975.....	181	194	218	216	272	218	229	229	237	239	232	211
1976.....	229	222	227	261	223	230	223	219	209	226	218	210
1977.....	235	241	223	218	246	225	199	213	187	204	206	221
1978.....	208	151	226	200	179	173	192	179	192	174	182	193
UNEMPLOYED - PART-TIME FEMALES 20 YEARS AND OVER												
1974.....	334	356	344	327	372	330	356	391	397	369	422	402
1975.....	482	449	490	478	463	500	458	502	448	461	436	481
1976.....	475	462	436	484	477	399	534	511	515	515	480	425
1977.....	464	571	551	481	451	514	450	432	458	462	498	467
1978.....	439	392	436	474	506	443	450	430	441	478	487	489
UNEMPLOYED - JOB LOSERS												
1974.....	2,004	2,019	1,953	1,956	1,910	1,950	2,054	2,056	2,287	2,364	2,852	3,211
1975.....	3,875	4,029	4,292	4,546	4,896	4,769	4,585	4,391	4,627	4,315	4,164	3,890
1976.....	3,671	3,548	3,589	3,618	3,587	3,664	3,722	3,590	3,596	3,555	3,618	3,648
1977.....	3,269	3,476	3,279	3,121	3,117	3,016	3,031	3,092	3,020	2,945	2,911	2,681
1978.....	2,711	2,589	2,562	2,556	2,614	2,379	2,536	2,459	2,362	2,456	2,372	2,442
UNEMPLOYED - JOB LOSERS ON LAYOFF												
1974.....	619	697	663	629	573	623	669	651	745	781	1,052	1,258
1975.....	1,462	1,617	1,772	1,928	2,016	2,025	1,733	1,599	1,706	1,592	1,372	1,294
1976.....	991	1,018	1,008	1,080	1,047	1,061	1,091	1,061	1,100	981	1,005	1,049
1977.....	812	1,010	929	841	821	858	864	888	814	843	754	591
1978.....	742	719	691	637	701	636	696	700	683	644	746	715
UNEMPLOYED - JOB LOSERS NOT ON LAYOFF												
1974.....	1,385	1,322	1,290	1,327	1,337	1,327	1,385	1,405	1,542	1,583	1,800	1,953
1975.....	2,413	2,412	2,520	2,618	2,880	2,744	2,852	2,792	2,921	2,723	2,792	2,596
1976.....	2,680	2,530	2,581	2,538	2,540	2,603	2,631	2,529	2,496	2,574	2,613	2,599
1977.....	2,457	2,466	2,350	2,280	2,296	2,158	2,167	2,204	2,206	2,102	2,157	1,990
1978.....	1,969	1,870	1,871	1,919	1,913	1,743	1,840	1,759	1,679	1,812	1,626	1,727

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYED - JOB LEAVERS												
IN THOUSANDS												
1974.....	741	759	717	738	688	756	756	775	749	825	769	776
1975.....	765	755	797	826	862	787	806	775	823	815	881	861
1976.....	846	867	768	857	872	885	950	983	928	938	870	831
1977.....	936	876	913	869	923	944	831	894	866	888	890	852
1978.....	861	896	858	877	828	853	855	840	849	812	825	871
UNEMPLOYED - REENTRANTS												
1974.....	1,215	1,249	1,236	1,279	1,460	1,437	1,491	1,471	1,625	1,453	1,666	1,730
1975.....	1,866	1,684	1,871	1,918	1,970	1,898	1,840	1,895	1,831	1,908	1,790	1,938
1976.....	1,929	1,868	1,833	1,843	1,762	1,844	1,902	1,963	1,928	1,924	2,012	1,922
1977.....	1,979	1,978	1,970	2,011	1,981	1,936	1,845	1,885	1,877	1,916	1,879	1,857
1978.....	1,812	1,802	1,878	1,750	1,793	1,785	1,870	1,743	1,930	1,721	1,754	1,937
UNEMPLOYED - NEW ENTRANTS												
1974.....	646	618	632	582	629	663	678	622	721	767	770	750
1975.....	774	807	760	760	821	743	832	864	812	865	838	871
1976.....	877	861	849	890	852	837	787	895	935	926	921	958
1977.....	915	952	991	970	883	1,090	965	932	946	882	904	827
1978.....	915	880	912	905	892	816	871	875	816	825	872	826
UNEMPLOYED - LESS THAN 5 WEEKS												
1974.....	2,367	2,393	2,371	2,312	2,426	2,463	2,486	2,569	2,683	2,693	3,008	3,080
1975.....	3,247	2,896	3,136	2,891	3,021	2,834	2,826	2,759	2,828	2,922	2,666	2,710
1976.....	2,687	2,734	2,560	2,917	2,763	2,754	2,892	2,837	2,839	2,894	2,764	2,854
1977.....	2,820	2,928	2,913	3,011	2,727	3,115	2,774	2,839	2,776	2,822	2,851	2,645
1978.....	2,742	2,649	2,789	2,747	2,862	2,772	2,967	2,795	2,783	2,719	2,833	2,876
UNEMPLOYED - 5-14 WEEKS												
1974.....	1,383	1,407	1,382	1,433	1,386	1,495	1,580	1,459	1,655	1,744	1,858	2,129
1975.....	2,618	2,592	2,605	2,695	2,672	2,503	2,243	2,342	2,326	2,357	2,289	2,166
1976.....	2,118	1,946	1,963	1,981	2,030	2,252	2,163	2,281	2,294	2,245	2,355	2,276
1977.....	2,153	2,192	2,168	1,960	2,170	2,045	2,059	2,152	2,091	2,081	1,978	1,913
1978.....	1,903	1,880	1,909	1,856	1,842	1,908	1,873	1,895	1,861	1,789	1,774	1,979
UNEMPLOYED - 15 WEEKS AND OVER												
1974.....	783	818	834	879	865	908	906	942	1,002	1,049	1,111	1,276
1975.....	1,536	1,827	2,056	2,447	2,634	2,805	2,917	2,848	2,876	2,663	2,770	2,773
1976.....	2,696	2,504	2,424	2,217	2,106	2,271	2,277	2,367	2,252	2,273	2,320	2,288
1977.....	2,192	2,156	2,031	1,941	1,919	1,828	1,856	1,806	1,806	1,782	1,761	1,548
1978.....	1,641	1,559	1,488	1,486	1,404	1,266	1,314	1,234	1,268	1,317	1,196	1,208
UNEMPLOYED - 15-26 WEEKS												
1974.....	458	490	510	531	516	549	528	561	622	660	692	746
1975.....	920	1,117	1,295	1,491	1,553	1,517	1,524	1,377	1,287	1,226	1,150	1,198
1976.....	1,126	975	973	814	895	952	1,035	1,085	1,059	1,056	1,067	973
1977.....	993	954	878	822	860	850	891	931	882	882	890	813
1978.....	838	894	787	809	723	674	668	625	663	732	685	726
UNEMPLOYED - 27 WEEKS AND OVER												
1974.....	325	328	324	348	349	359	378	381	380	389	419	530
1975.....	616	710	761	956	1,081	1,288	1,393	1,471	1,589	1,437	1,620	1,575
1976.....	1,570	1,529	1,451	1,403	1,211	1,319	1,242	1,282	1,193	1,217	1,253	1,315
1977.....	1,199	1,202	1,153	1,119	1,059	978	965	899	924	900	871	835
1978.....	803	665	701	677	681	592	646	609	605	585	511	482
UNEMPLOYED - 15 WEEKS AND OVER AS A PERCENT OF THE CIVILIAN LABOR FORCE												
1974.....	.9	.9	.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.4
1975.....	1.7	2.0	2.2	2.7	2.8	3.0	3.1	3.1	3.1	2.9	3.0	3.0
1976.....	2.9	2.7	2.6	2.3	2.2	2.4	2.4	2.5	2.4	2.4	2.4	2.4
1977.....	2.3	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7
1978.....	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.3	1.3	1.2	1.2
UNEMPLOYED - AVERAGE DURATION OF UNEMPLOYMENT: WEEKS												
1974.....	9.5	9.6	9.7	9.8	9.6	9.7	9.9	9.8	9.6	9.8	9.6	10.1
1975.....	10.7	11.7	11.8	13.0	13.5	15.3	15.0	15.5	16.0	15.4	16.5	16.6
1976.....	16.6	16.3	16.5	15.9	15.1	16.8	15.6	15.6	15.2	15.2	15.2	15.3
1977.....	15.2	14.8	14.5	14.5	15.0	14.3	14.1	13.8	13.9	13.7	13.5	13.7
1978.....	13.0	12.6	12.4	12.4	12.2	12.0	11.8	11.4	11.5	11.8	11.0	10.7
UNEMPLOYED - MEDIAN DURATION OF UNEMPLOYMENT: WEEKS												
1974.....	5.0	5.1	4.8	5.0	4.5	5.3	5.7	5.0	5.3	5.5	5.2	5.8
1975.....	6.3	7.2	7.2	8.8	9.1	8.8	8.6	9.3	9.2	8.6	9.5	9.0
1976.....	9.1	8.4	8.7	8.2	7.8	7.8	7.7	8.0	7.8	7.7	8.3	9.0
1977.....	7.6	7.5	7.2	7.2	7.4	6.2	7.2	7.1	6.9	6.9	6.9	6.8
1978.....	6.5	7.1	6.2	5.9	5.3	6.0	6.0	6.0	5.9	5.9	5.4	5.6
UNEMPLOYED - LABOR FORCE TIME LOST												
1974.....	5.6	5.5	5.4	5.6	5.6	5.8	5.9	6.0	6.5	6.4	7.2	7.8
1975.....	8.7	8.8	9.3	9.5	9.8	9.2	9.2	8.9	9.1	9.0	8.9	8.7
1976.....	8.5	8.2	8.2	8.3	8.2	8.1	8.2	8.3	8.3	8.3	8.4	8.3
1977.....	8.1	8.1	7.9	7.6	7.6	7.7	7.5	7.5	7.3	7.3	7.3	6.9
1978.....	6.8	6.6	6.7	6.5	6.6	6.5	6.8	6.5	6.4	6.2	6.2	6.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - ALL CIVILIAN WORKERS												
1974.....	5.1	5.1	5.0	5.0	5.1	5.3	5.5	5.4	5.9	5.9	6.6	7.1
1975.....	8.0	8.1	8.5	8.8	9.1	8.8	8.6	8.4	8.4	8.4	8.3	8.2
1976.....	7.9	7.7	7.6	7.6	7.4	7.6	7.7	7.8	7.7	7.7	7.8	7.7
1977.....	7.4	7.5	7.4	7.2	7.1	7.2	6.9	7.0	6.8	6.8	6.7	6.3
1978.....	6.3	6.1	6.2	6.1	6.1	5.8	6.1	5.9	5.9	5.8	5.8	5.9
UNEMPLOYMENT RATE - MALES												
1974.....	4.3	4.5	4.3	4.4	4.4	4.6	4.6	4.7	5.0	5.2	5.7	6.4
1975.....	7.3	7.4	7.9	8.2	8.4	8.3	8.2	7.9	8.0	7.8	7.8	7.5
1976.....	7.3	7.0	6.9	7.0	6.9	7.1	7.1	6.9	7.0	7.0	7.2	7.1
1977.....	6.8	6.9	6.6	6.4	6.4	6.3	6.1	6.2	5.8	5.9	5.7	5.4
1978.....	5.6	5.5	5.6	5.3	5.2	4.8	5.1	5.0	5.1	5.1	5.0	5.1
UNEMPLOYMENT RATE - FEMALES												
1974.....	6.2	6.2	6.1	5.9	6.3	6.5	6.7	6.5	7.1	7.1	7.9	8.3
1975.....	9.2	9.1	9.6	9.6	10.1	9.5	9.3	9.2	9.0	9.2	9.0	9.1
1976.....	8.8	8.7	8.5	8.6	8.3	8.4	8.7	9.0	8.6	8.7	8.6	8.5
1977.....	8.4	8.5	8.5	8.4	8.1	8.5	8.0	8.1	8.1	8.0	8.1	7.5
1978.....	7.4	7.0	7.1	7.2	7.5	7.3	7.6	7.1	7.1	6.8	6.9	6.9
UNEMPLOYMENT RATE - BOTH SEXES 16-19 YEARS												
1974.....	14.5	14.9	14.8	14.2	15.4	16.3	16.8	14.9	17.0	17.1	17.7	18.2
1975.....	19.5	19.4	19.9	19.9	20.5	20.9	20.6	20.7	19.5	19.8	19.0	19.8
1976.....	19.5	19.0	18.8	19.5	18.7	18.6	18.1	19.6	18.6	18.9	19.1	19.1
1977.....	18.8	18.4	18.4	18.0	18.1	18.8	17.3	17.4	18.0	17.2	17.2	15.4
1978.....	16.4	17.2	17.0	16.7	16.5	15.1	16.3	15.7	16.3	16.2	16.2	16.5
UNEMPLOYMENT RATE - MALES 16-19 YEARS												
1974.....	13.9	14.4	14.3	14.2	14.6	15.8	15.4	14.7	17.0	16.5	17.5	18.0
1975.....	19.7	19.7	19.8	20.7	20.1	22.2	21.2	20.9	19.4	19.7	18.8	19.3
1976.....	20.2	19.0	18.9	20.3	19.5	18.5	18.4	18.7	19.0	19.4	19.6	19.0
1977.....	18.0	18.3	18.2	17.3	17.4	18.5	16.9	17.5	17.4	16.4	16.5	15.0
1978.....	15.6	16.9	16.7	16.3	15.3	13.7	15.4	14.8	15.5	16.1	15.9	16.7
UNEMPLOYMENT RATE - FEMALES 16-19 YEARS												
1974.....	15.3	15.5	15.5	14.3	16.4	16.9	18.4	15.0	17.0	17.9	18.1	18.4
1975.....	19.3	19.0	20.0	18.9	20.9	19.4	19.9	20.4	19.6	20.0	19.2	20.3
1976.....	18.7	19.1	18.6	18.5	17.8	18.7	17.9	20.7	18.2	18.5	18.6	19.2
1977.....	19.6	18.5	18.7	18.9	19.0	19.2	17.8	17.3	18.6	18.2	18.0	16.0
1978.....	17.3	17.6	17.4	17.2	17.8	16.6	17.4	16.8	17.1	16.3	16.5	16.3
UNEMPLOYMENT RATE - BOTH SEXES 20 YEARS AND OVER												
1974.....	4.0	4.1	4.0	4.0	4.1	4.1	4.2	4.4	4.6	4.7	5.4	6.0
1975.....	6.8	6.9	7.4	7.6	7.9	7.5	7.4	7.1	7.3	7.2	7.1	7.0
1976.....	6.7	6.5	6.4	6.4	6.3	6.5	6.6	6.5	6.5	6.5	6.6	6.5
1977.....	6.3	6.4	6.2	6.0	6.0	5.9	5.8	5.8	5.6	5.7	5.6	5.3
1978.....	5.3	5.0	5.1	5.0	5.1	4.9	5.1	4.9	4.8	4.7	4.7	4.8
UNEMPLOYMENT RATE - MALES 20 YEARS AND OVER												
1974.....	3.4	3.5	3.4	3.5	3.4	3.5	3.6	3.8	3.8	4.1	4.6	5.3
1975.....	6.1	6.3	6.8	7.1	7.4	7.0	7.0	6.6	7.0	6.7	6.7	6.5
1976.....	6.1	5.8	5.8	5.7	5.7	6.0	6.0	5.8	5.9	5.8	6.1	6.0
1977.....	5.7	5.9	5.5	5.3	5.4	5.1	5.1	5.1	4.7	4.9	4.7	4.5
1978.....	4.6	4.5	4.5	4.3	4.2	4.0	4.1	4.1	4.1	4.0	3.9	4.1
UNEMPLOYMENT RATE - FEMALES 20 YEARS AND OVER												
1974.....	5.0	5.0	4.9	4.9	5.1	5.2	5.3	5.4	5.9	5.7	6.6	7.0
1975.....	7.9	7.9	8.3	8.5	8.7	8.2	8.0	7.8	7.7	7.9	7.8	7.8
1976.....	7.6	7.5	7.3	7.4	7.1	7.2	7.6	7.6	7.5	7.6	7.4	7.3
1977.....	7.0	7.2	7.3	7.1	6.8	7.1	6.9	7.0	6.9	6.8	6.9	6.5
1978.....	6.2	5.8	5.9	6.0	6.2	6.1	6.4	5.9	5.9	5.6	5.8	5.8
UNEMPLOYMENT RATE - BOTH SEXES 20-24 YEARS												
1974.....	8.2	8.4	7.9	8.0	8.5	8.7	8.9	9.6	9.6	9.2	10.4	11.6
1975.....	12.2	13.1	13.8	14.4	14.8	13.3	13.9	13.5	14.0	13.7	13.6	13.0
1976.....	12.6	11.9	11.9	12.0	11.5	11.9	11.5	11.9	11.7	12.4	12.3	12.2
1977.....	11.4	11.9	11.3	11.0	11.1	10.9	10.7	11.2	10.6	10.4	10.4	10.1
1978.....	10.5	10.1	10.2	10.0	9.1	9.4	9.9	9.0	9.3	8.6	9.0	9.3
UNEMPLOYMENT RATE - MALES 20-24 YEARS												
1974.....	7.7	8.2	7.6	7.6	8.1	8.2	8.3	9.3	9.1	9.4	10.5	11.3
1975.....	12.5	13.3	14.4	15.6	15.4	14.3	15.0	14.5	15.3	14.6	14.2	13.3
1976.....	12.7	11.8	11.9	11.7	11.6	12.2	12.0	11.8	11.6	12.5	12.3	12.5
1977.....	11.2	11.8	11.1	10.9	10.9	10.6	10.6	11.4	10.4	9.9	9.8	9.6
1978.....	10.4	10.1	10.0	9.3	8.0	8.4	8.9	8.8	8.6	8.5	8.5	8.9
UNEMPLOYMENT RATE - FEMALES 20-24 YEARS												
1974.....	8.9	8.7	8.2	8.4	9.1	9.2	9.7	9.9	10.2	9.1	10.4	11.8
1975.....	11.9	12.8	13.1	13.1	14.1	12.2	12.7	12.2	12.3	12.5	12.9	12.6
1976.....	12.5	12.0	11.9	12.4	11.5	11.6	10.9	12.1	11.7	12.2	12.3	11.7
1977.....	11.5	11.9	11.6	11.1	11.2	11.3	10.9	11.0	10.9	11.0	11.0	10.7
1978.....	10.5	10.0	10.4	10.8	10.5	10.5	11.0	9.2	10.1	8.7	9.6	9.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - BOTH SEXES 25 YEARS AND OVER												
1974.....	3.2	3.3	3.2	3.3	3.2	3.3	3.4	3.5	3.8	4.0	4.4	4.8
1975.....	5.7	5.6	6.1	6.3	6.5	6.4	6.2	6.0	6.1	6.1	5.9	5.8
1976.....	5.5	5.4	5.3	5.3	5.2	5.4	5.8	5.5	5.6	5.5	5.5	5.4
1977.....	5.2	5.3	5.2	5.1	4.9	5.0	4.9	4.8	4.7	4.8	4.7	4.8
1978.....	4.3	4.0	4.0	4.0	4.2	3.9	4.1	4.1	4.0	3.9	3.8	3.9
UNEMPLOYMENT RATE - MALES 25 YEARS AND OVER												
1974.....	2.6	2.7	2.6	2.8	2.6	2.7	2.8	2.9	3.0	3.4	3.6	4.2
1975.....	4.9	5.0	5.4	5.6	5.8	5.8	5.7	5.4	5.7	5.7	5.4	5.2
1976.....	4.9	4.7	4.7	4.7	4.5	4.9	5.0	4.9	5.0	4.8	5.0	4.8
1977.....	4.7	4.7	4.5	4.3	4.3	4.1	4.2	4.0	3.8	4.2	3.8	3.6
1978.....	3.6	3.4	3.5	3.4	3.5	3.1	3.3	3.3	3.3	3.3	3.1	3.2
UNEMPLOYMENT RATE - FEMALES 25 YEARS AND OVER												
1974.....	4.2	4.2	4.2	4.1	4.2	4.2	4.4	4.3	4.9	4.8	5.7	5.9
1975.....	7.0	6.8	7.2	7.5	7.6	7.4	7.1	6.8	6.7	6.8	6.6	6.7
1976.....	6.5	6.5	6.3	6.2	6.2	6.2	7.0	6.5	6.6	6.5	6.3	6.3
1977.....	6.1	6.2	6.3	6.2	6.0	6.2	6.0	6.0	5.9	5.8	6.0	5.5
1978.....	5.3	4.8	4.9	4.9	5.4	5.1	5.4	5.2	4.9	4.9	4.9	5.0
UNEMPLOYMENT RATE - BOTH SEXES 25-54 YEARS												
1974.....	3.3	3.4	3.3	3.5	3.3	3.4	3.5	3.6	3.9	4.2	4.7	5.1
1975.....	6.0	6.0	6.4	6.7	6.9	6.8	6.5	6.3	6.4	6.4	6.2	6.0
1976.....	5.7	5.6	5.4	5.4	5.4	5.6	5.9	5.7	5.8	5.7	5.7	5.8
1977.....	5.4	5.5	5.4	5.3	5.1	5.2	5.0	5.1	4.8	5.0	4.8	4.5
1978.....	4.4	4.2	4.3	4.2	4.5	4.1	4.3	4.3	4.1	4.2	4.0	4.2
UNEMPLOYMENT RATE - MALES 25-54 YEARS												
1974.....	2.6	2.7	2.7	3.0	2.6	2.8	2.9	2.9	3.1	3.6	3.8	4.4
1975.....	5.1	5.2	5.6	5.8	6.2	6.1	6.0	5.8	5.9	5.9	5.7	5.4
1976.....	5.0	4.8	4.6	4.7	4.6	5.0	5.2	5.0	5.1	5.0	5.2	5.1
1977.....	4.8	4.8	4.6	4.4	4.4	4.3	4.3	4.2	3.8	4.2	3.8	3.6
1978.....	3.6	3.5	3.6	3.4	3.5	3.2	3.3	3.5	3.4	3.4	3.2	3.4
UNEMPLOYMENT RATE - FEMALES 25-54 YEARS												
1974.....	4.4	4.6	4.4	4.5	4.4	4.5	4.6	4.6	5.2	5.2	6.2	6.3
1975.....	7.5	7.3	7.7	8.1	8.1	7.9	7.3	7.2	7.2	7.2	6.9	7.0
1976.....	6.8	6.9	6.6	6.5	6.6	6.6	7.1	6.9	6.9	6.9	6.6	6.7
1977.....	6.4	6.6	6.8	6.6	6.3	6.6	6.2	6.4	6.3	6.1	6.2	5.8
1978.....	5.6	5.2	5.3	5.3	5.9	5.6	5.8	5.6	5.2	5.2	5.2	5.3
UNEMPLOYMENT RATE - BOTH SEXES 25-34 YEARS												
1974.....	4.3	4.3	4.3	4.6	4.1	4.3	4.5	4.6	4.7	5.4	5.8	6.4
1975.....	7.3	7.4	7.9	8.2	8.5	8.5	8.1	7.6	7.8	7.6	7.4	7.3
1976.....	7.0	7.1	6.7	6.6	6.8	7.1	7.3	7.2	7.3	7.2	7.2	7.1
1977.....	6.7	6.9	6.8	6.9	6.4	6.5	6.4	6.3	6.1	6.5	6.0	5.7
1978.....	5.5	5.2	5.5	5.4	5.4	5.0	5.2	5.4	5.1	5.1	5.0	5.2
UNEMPLOYMENT RATE - MALES 25-34 YEARS												
1974.....	3.4	3.4	3.5	4.1	3.5	3.6	3.7	3.7	3.7	4.7	4.8	5.8
1975.....	6.2	6.6	7.0	7.3	7.4	7.6	7.3	6.8	7.2	6.9	6.9	6.5
1976.....	6.2	6.2	5.8	5.9	6.0	6.3	6.4	6.2	6.3	6.3	6.5	6.3
1977.....	6.0	6.0	5.8	5.9	5.7	5.6	5.8	5.6	5.2	5.8	5.1	4.7
1978.....	4.8	4.5	4.6	4.4	4.3	3.7	4.0	4.3	4.0	4.3	4.1	4.2
UNEMPLOYMENT RATE - FEMALES 25-34 YEARS												
1974.....	5.8	6.0	5.7	5.6	5.2	5.4	6.0	5.9	6.5	6.6	7.6	7.5
1975.....	9.1	8.7	9.5	9.7	10.2	9.9	9.4	9.0	8.8	8.9	8.4	8.5
1976.....	8.3	8.6	8.2	7.8	8.2	8.4	8.7	8.7	8.8	8.8	8.3	8.4
1977.....	7.8	8.2	8.2	8.4	7.4	7.8	7.4	7.4	7.3	7.6	7.4	7.2
1978.....	6.5	6.2	6.8	6.9	7.1	6.8	7.1	7.0	6.6	6.3	6.5	6.6
UNEMPLOYMENT RATE - BOTH SEXES 35-44 YEARS												
1974.....	2.9	3.0	2.8	3.1	3.1	3.2	3.1	3.3	3.6	3.6	4.1	4.6
1975.....	5.5	5.4	5.8	6.2	6.1	5.8	5.3	5.6	5.5	5.6	5.6	5.3
1976.....	5.1	4.9	4.7	4.9	4.6	4.9	5.2	5.0	5.2	5.0	4.8	4.9
1977.....	4.6	4.7	4.7	4.2	4.5	4.5	4.4	4.3	4.2	4.2	4.2	3.8
1978.....	4.0	3.6	3.7	3.4	4.1	3.7	3.7	3.8	3.6	3.6	3.5	3.7
UNEMPLOYMENT RATE - MALES 35-44 YEARS												
1974.....	2.2	2.2	2.0	2.2	2.2	2.3	2.4	2.5	2.9	3.0	3.3	3.8
1975.....	4.4	4.5	5.0	5.3	5.5	5.1	5.0	4.9	4.8	4.8	5.0	4.6
1976.....	4.3	4.1	3.8	4.0	3.7	4.1	4.5	4.3	4.5	4.2	4.1	4.0
1977.....	3.8	3.9	3.8	3.4	3.6	3.6	3.5	3.3	3.0	3.3	3.2	2.7
1978.....	2.8	2.6	3.0	2.9	3.0	2.8	2.7	2.9	2.7	2.7	2.6	2.8
UNEMPLOYMENT RATE - FEMALES 35-44 YEARS												
1974.....	4.0	4.2	4.2	4.4	4.7	4.5	4.3	4.6	4.7	4.7	5.6	5.8
1975.....	7.4	6.9	7.0	7.7	6.9	7.0	5.9	6.6	6.7	7.0	6.6	6.5
1976.....	6.3	6.2	6.1	6.3	6.0	6.0	6.2	6.0	6.1	6.1	5.9	6.2
1977.....	5.8	5.9	5.9	5.4	5.8	6.0	5.8	5.9	6.0	5.5	5.8	5.3
1978.....	5.8	4.9	4.7	4.3	5.6	5.0	5.2	5.1	4.7	4.8	4.9	4.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - BOTH SEXES 45-54 YEARS												
1974.....	2.6	2.7	2.7	2.6	2.5	2.6	2.6	2.6	3.2	3.1	3.7	4.0
1975.....	4.9	4.7	5.1	5.2	5.7	5.7	5.5	5.4	5.5	5.6	5.0	5.0
1976.....	4.5	4.3	4.3	4.3	4.2	4.3	4.9	4.4	4.5	4.4	4.7	4.8
1977.....	4.4	4.3	4.4	4.1	4.0	4.1	3.7	3.9	3.5	3.6	3.6	3.4
1978.....	3.3	3.3	3.1	3.0	3.5	3.3	3.5	3.3	3.3	3.3	3.1	3.2
UNEMPLOYMENT RATE - MALES 45-54 YEARS												
1974.....	2.1	2.2	2.4	2.2	2.1	2.1	2.3	2.2	2.5	2.6	3.0	3.3
1975.....	4.3	4.0	4.3	4.5	5.2	5.3	5.2	5.3	5.4	5.7	4.7	4.6
1976.....	4.0	3.6	3.9	3.9	3.7	4.0	4.2	3.9	4.0	3.9	4.3	4.6
1977.....	4.0	3.8	3.5	3.4	3.3	3.3	2.8	3.0	2.4	2.9	2.6	2.8
1978.....	2.8	2.8	2.8	2.4	2.9	2.6	2.8	2.8	3.1	2.8	2.7	2.7
UNEMPLOYMENT RATE - FEMALES 45-54 YEARS												
1974.....	3.3	3.5	3.1	3.2	3.2	3.4	3.2	3.1	4.1	4.0	5.0	5.2
1975.....	5.8	5.8	6.2	6.3	6.6	6.3	6.1	5.7	5.6	5.4	5.5	5.6
1976.....	5.2	5.4	5.0	5.0	4.9	4.7	5.8	5.2	5.2	5.2	5.2	5.0
1977.....	5.1	4.9	5.7	5.1	5.0	5.4	4.9	5.3	5.2	4.6	5.0	4.3
1978.....	4.1	4.0	3.7	4.1	4.3	4.4	4.7	4.1	3.7	4.1	3.6	3.9
UNEMPLOYMENT RATE - BOTH SEXES 55 YEARS AND OVER												
1974.....	2.8	2.8	2.6	2.6	2.7	2.7	2.8	3.2	3.1	3.1	3.2	3.8
1975.....	4.2	4.5	4.6	5.0	5.0	4.9	4.9	4.7	4.6	4.9	4.8	5.0
1976.....	4.6	4.6	4.8	4.7	4.4	4.8	4.9	4.8	4.7	4.4	4.5	4.1
1977.....	4.3	4.7	4.3	4.1	4.2	3.9	3.9	3.9	4.0	4.1	4.0	3.9
1978.....	3.5	3.3	3.2	3.2	3.3	3.2	3.2	3.0	3.3	3.0	2.9	2.9
UNEMPLOYMENT RATE - MALES 55 YEARS AND OVER												
1974.....	2.7	2.9	2.3	2.4	2.3	2.5	2.7	3.2	2.8	2.8	2.8	3.5
1975.....	4.0	4.2	4.4	4.8	4.8	4.7	4.7	4.6	4.6	4.6	4.7	4.7
1976.....	4.3	4.5	4.7	4.4	4.5	4.9	4.3	4.7	4.5	4.1	4.3	3.8
1977.....	4.2	4.6	4.2	3.8	3.9	3.5	3.7	3.5	3.8	3.9	3.7	3.6
1978.....	3.3	3.2	3.2	3.3	3.3	3.1	3.4	2.9	3.0	2.8	2.5	2.6
UNEMPLOYMENT RATE - FEMALES 55 YEARS AND OVER												
1974.....	2.9	2.8	3.2	2.9	3.3	3.2	3.0	3.2	3.6	3.8	3.9	4.4
1975.....	4.7	5.0	5.0	5.3	5.5	5.2	5.0	5.0	4.6	5.4	4.9	5.4
1976.....	5.1	4.7	4.9	5.0	4.4	4.7	5.9	5.1	5.0	4.9	4.7	4.6
1977.....	4.4	4.8	4.6	4.6	4.6	4.6	4.4	4.4	4.4	4.3	4.6	4.3
1978.....	3.9	3.3	3.2	3.1	3.2	3.2	2.9	3.2	3.8	3.3	3.5	3.3
UNEMPLOYMENT RATE - BOTH SEXES 55-64 YEARS												
1974.....	2.6	2.7	2.5	2.4	2.6	2.7	2.7	3.0	3.0	3.0	3.1	3.8
1975.....	4.2	4.4	4.5	4.8	4.7	4.8	4.7	4.6	4.6	4.8	4.6	4.5
1976.....	4.3	4.4	4.5	4.6	4.3	4.7	4.7	4.7	4.7	4.3	4.3	4.1
1977.....	4.1	4.4	4.1	3.9	3.9	3.7	3.6	3.6	3.8	3.8	3.7	3.6
1978.....	3.3	3.2	2.9	2.9	2.8	2.8	2.8	2.7	3.0	2.9	2.9	2.7
UNEMPLOYMENT RATE - MALES 55-64 YEARS												
1974.....	2.5	2.8	2.2	2.2	2.2	2.4	2.6	2.9	2.7	2.5	2.6	3.4
1975.....	3.9	4.0	4.2	4.4	4.5	4.3	4.4	4.4	4.4	4.3	4.4	4.4
1976.....	4.0	4.1	4.4	4.4	4.2	4.7	4.2	4.5	4.4	3.9	4.1	3.7
1977.....	3.8	4.2	3.8	3.5	3.6	3.2	3.3	3.2	3.4	3.6	3.3	3.3
1978.....	3.0	3.0	2.8	2.9	2.9	2.8	2.9	2.4	2.6	2.7	2.5	2.3
UNEMPLOYMENT RATE - FEMALES 55-64 YEARS												
1974.....	2.7	2.5	3.0	2.8	3.3	3.1	2.9	3.2	3.5	3.7	3.9	4.6
1975.....	4.8	5.0	5.1	5.3	5.0	5.5	5.3	4.9	4.9	5.6	4.9	4.8
1976.....	4.9	4.8	4.7	5.1	4.4	4.7	5.4	5.2	5.1	4.9	4.7	4.6
1977.....	4.5	4.9	4.6	4.6	4.5	4.5	4.3	4.3	4.4	4.2	4.5	4.0
1978.....	3.7	3.4	3.0	2.8	2.8	2.9	2.6	3.3	3.7	3.2	3.5	3.4
UNEMPLOYMENT RATE - BOTH SEXES 65 YEARS AND OVER												
1974.....	3.3	3.4	3.2	3.1	3.2	3.0	3.1	4.0	3.5	3.7	3.6	3.7
1975.....	4.3	4.9	4.8	5.7	6.3	5.5	5.3	5.3	4.6	5.2	5.6	6.8
1976.....	5.8	5.2	5.7	4.7	4.9	5.2	5.8	5.1	4.7	4.8	5.0	4.2
1977.....	5.3	5.6	5.3	4.9	5.0	4.7	5.0	4.8	4.9	5.0	5.0	4.9
1978.....	4.3	3.8	4.3	4.6	4.8	4.3	4.6	3.9	4.2	3.3	3.0	3.4
UNEMPLOYMENT RATE - MALES 65 YEARS AND OVER												
1974.....	3.2	3.2	2.8	3.0	2.9	2.8	3.0	4.3	3.2	3.6	3.5	3.8
1975.....	4.3	4.9	4.9	6.0	5.7	5.9	5.6	5.3	5.2	5.6	5.8	6.1
1976.....	5.6	5.7	5.9	4.7	5.3	5.6	4.6	5.4	4.9	4.9	5.2	4.2
1977.....	5.9	6.2	5.9	4.9	5.2	4.4	5.1	4.8	5.3	5.1	5.1	4.7
1978.....	4.4	4.1	4.5	4.9	4.9	4.4	5.1	4.6	4.4	3.1	2.8	3.4
UNEMPLOYMENT RATE - FEMALES 65 YEARS AND OVER												
1974.....	3.6	4.0	3.9	3.2	3.6	3.3	3.4	3.4	4.1	3.9	3.8	3.5
1975.....	4.2	4.8	4.7	5.2	7.3	4.8	4.8	5.3	3.7	4.5	5.2	7.9
1976.....	6.0	4.5	5.4	4.7	4.2	4.5	7.8	4.6	4.4	4.6	4.8	4.2
1977.....	4.0	4.6	4.3	4.9	4.8	5.4	4.9	4.8	4.3	4.9	4.8	5.1
1978.....	4.3	3.3	4.0	4.0	4.5	4.2	3.9	2.8	4.0	3.8	3.3	3.3

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - MALES 16-21 YEARS												
1974.....	12.0	12.2	12.6	12.3	13.1	13.7	13.5	13.9	14.7	14.6	15.4	15.9
1975.....	17.3	17.5	18.3	19.1	19.3	20.1	20.0	19.0	18.5	18.2	17.8	17.6
1976.....	18.3	17.3	17.2	17.4	16.8	16.7	16.9	16.9	16.7	17.2	17.7	17.3
1977.....	15.7	16.7	16.1	15.4	15.8	16.2	15.5	15.9	15.4	14.8	14.7	13.8
1978.....	14.6	15.2	14.7	14.2	13.4	12.1	13.7	13.0	13.5	13.8	13.7	14.3
UNEMPLOYMENT RATE - MALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1974.....	16.8	17.5	17.0	16.9	19.9	20.1	20.1	20.1	20.4	18.9	21.1	21.0
1975.....	21.5	22.1	19.9	22.2	22.2	21.4	20.2	19.9	21.7	22.0	21.5	22.4
1976.....	23.0	21.9	22.6	22.8	23.0	21.0	20.5	20.7	19.8	22.2	24.1	22.6
1977.....	19.8	22.3	23.1	20.1	20.9	21.9	20.9	21.6	22.5	20.5	19.5	17.8
1978.....	19.8	19.6	19.6	18.8	17.2	19.0	21.0	20.2	18.4	18.7	19.7	19.7
UNEMPLOYMENT RATE - MALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1974.....	10.7	10.8	11.4	11.3	11.4	12.0	11.7	12.1	13.1	13.4	13.7	14.5
1975.....	16.1	16.2	17.9	18.1	18.4	19.8	20.0	18.7	17.5	17.2	16.8	16.3
1976.....	16.8	16.0	15.7	16.0	15.0	15.3	15.9	15.8	15.9	15.7	15.8	15.8
1977.....	14.6	15.1	14.0	14.1	14.3	14.8	14.0	14.3	13.3	13.1	13.2	12.7
1978.....	13.1	13.9	13.2	12.7	12.3	10.4	11.7	11.0	12.0	12.3	12.0	12.7
UNEMPLOYMENT RATE - FEMALES 16-21 YEARS												
1974.....	13.8	14.0	13.6	13.0	14.4	14.1	15.5	14.2	15.1	15.3	15.3	15.9
1975.....	16.9	17.5	18.5	17.3	19.0	17.2	17.9	18.5	17.5	18.2	17.6	18.2
1976.....	16.7	16.4	16.1	16.9	15.5	16.3	15.5	18.0	15.8	16.4	16.7	16.4
1977.....	17.0	16.6	16.6	16.7	16.1	16.2	15.7	15.5	16.0	16.1	16.0	14.5
1978.....	15.4	15.1	15.2	15.0	15.4	14.5	15.7	14.9	15.1	13.9	14.5	14.6
UNEMPLOYMENT RATE - FEMALES 16-21 YEARS: MAJOR ACTIVITY SCHOOL												
1974.....	16.2	17.9	15.8	14.9	17.0	18.4	18.4	18.8	18.5	19.3	18.5	19.6
1975.....	20.8	20.5	22.0	19.4	21.9	20.3	19.3	19.6	19.7	21.8	20.3	20.7
1976.....	19.1	18.8	19.3	21.2	18.6	19.9	19.8	18.8	19.2	18.1	22.0	19.3
1977.....	20.1	20.2	20.8	20.8	20.8	18.3	18.8	19.8	20.3	20.0	20.2	16.6
1978.....	20.6	20.0	18.3	18.1	16.9	18.1	18.9	19.1	16.6	16.0	16.0	16.9
UNEMPLOYMENT RATE - FEMALES 16-21 YEARS: MAJOR ACTIVITY OTHER												
1974.....	13.1	12.9	13.0	12.5	13.8	12.9	14.6	12.9	14.2	14.1	14.3	14.9
1975.....	15.6	16.6	17.4	16.6	18.2	16.3	17.5	18.2	16.8	17.0	16.7	17.5
1976.....	15.9	15.7	15.1	15.8	14.6	15.2	14.3	17.8	14.7	15.9	15.0	15.6
1977.....	16.0	15.4	15.3	15.4	14.6	15.6	14.8	14.3	14.7	14.9	14.7	13.8
1978.....	13.9	13.5	14.2	13.9	14.9	13.7	14.8	13.7	14.6	13.2	14.0	13.8
UNEMPLOYMENT RATE - WHITE WORKERS												
1974.....	4.6	4.6	4.5	4.5	4.6	4.8	4.9	4.9	5.4	5.4	6.0	6.4
1975.....	7.4	7.4	7.8	8.0	8.4	8.1	8.0	7.7	7.7	7.8	7.6	7.4
1976.....	7.2	6.9	6.8	6.9	6.8	6.9	7.1	7.1	7.0	7.0	7.1	6.9
1977.....	6.8	6.8	6.6	6.4	6.3	6.4	6.0	6.1	6.0	5.9	5.8	5.4
1978.....	5.5	5.4	5.3	5.2	5.3	5.0	5.2	5.2	5.2	5.1	5.0	5.2
UNEMPLOYMENT RATE - WHITE WORKERS 16-19 YEARS												
1974.....	12.9	13.0	12.8	12.3	13.4	14.3	14.2	13.0	15.3	15.0	15.5	15.8
1975.....	17.2	17.2	17.7	17.4	18.4	19.1	18.8	18.8	17.5	17.8	17.2	17.8
1976.....	17.7	17.1	16.9	16.9	16.4	16.2	16.3	17.3	16.4	16.8	17.2	17.2
1977.....	16.8	16.3	16.4	15.8	15.9	16.4	14.5	14.8	15.6	14.8	14.6	12.6
1978.....	13.8	14.6	14.4	14.1	13.8	12.4	13.6	13.7	14.1	14.0	13.8	14.2
UNEMPLOYMENT RATE - WHITE WORKERS 20 YEARS AND OVER												
1974.....	3.6	3.7	3.6	3.7	3.7	3.8	3.9	4.1	4.3	4.3	4.9	5.4
1975.....	6.3	6.3	6.7	7.0	7.4	7.0	6.9	6.6	6.7	6.7	6.6	6.4
1976.....	6.1	5.8	5.8	5.8	5.8	5.9	6.1	6.0	6.0	6.0	6.0	5.9
1977.....	5.7	5.8	5.6	5.4	5.3	5.3	5.1	5.1	4.9	5.0	4.9	4.7
1978.....	4.6	4.4	4.4	4.3	4.4	4.2	4.4	4.3	4.2	4.1	4.0	4.2
UNEMPLOYMENT RATE - WHITE MALES												
1974.....	3.9	3.9	3.8	4.0	4.0	4.1	4.2	4.3	4.6	4.8	5.2	5.7
1975.....	6.6	6.7	7.1	7.4	7.8	7.7	7.6	7.3	7.5	7.3	7.1	6.8
1976.....	6.6	6.2	6.2	6.3	6.3	6.4	6.5	6.3	6.5	6.4	6.6	6.4
1977.....	6.1	6.2	5.9	5.7	5.7	5.7	5.3	5.3	5.1	5.1	5.0	4.7
1978.....	4.8	4.8	4.8	4.5	4.4	4.2	4.4	4.4	4.5	4.5	4.2	4.5
UNEMPLOYMENT RATE - WHITE MALES 16-19 YEARS												
1974.....	12.4	12.5	12.0	12.2	13.3	13.6	13.4	12.7	14.9	14.5	15.2	15.8
1975.....	17.4	17.9	17.9	18.4	18.4	20.4	19.4	19.1	17.9	17.8	17.6	17.9
1976.....	18.7	17.1	17.5	18.0	17.6	16.4	17.0	16.6	16.7	17.2	17.9	17.1
1977.....	16.1	16.0	15.9	15.0	15.2	16.8	13.9	14.8	15.4	14.1	14.0	12.4
1978.....	13.0	14.4	14.1	13.6	12.7	11.9	12.8	13.2	13.5	14.3	13.4	14.6
UNEMPLOYMENT RATE - WHITE MALES 20 YEARS AND OVER												
1974.....	3.1	3.1	3.0	3.2	3.1	3.2	3.3	3.5	3.6	3.9	4.2	4.8
1975.....	5.6	5.6	6.1	6.4	6.8	6.5	6.5	6.2	6.5	6.4	6.2	5.8
1976.....	5.5	5.1	5.2	5.2	5.2	5.5	5.5	5.4	5.6	5.4	5.5	5.4
1977.....	5.2	5.3	4.9	4.9	4.8	4.6	4.5	4.4	4.2	4.3	4.1	4.0
1978.....	4.0	3.9	3.9	3.7	3.7	3.5	3.6	3.6	3.6	3.5	3.4	3.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - WHITE FEMALES												
1974.....	5.6	5.6	5.6	5.4	5.7	6.0	6.0	5.9	6.6	6.3	7.2	7.5
1975.....	8.6	8.5	8.8	9.0	9.4	8.8	8.7	8.4	8.1	8.4	8.3	8.5
1976.....	8.1	8.0	7.8	7.8	7.6	7.6	7.9	8.2	7.8	8.0	7.9	7.8
1977.....	7.7	7.7	7.7	7.5	7.2	7.5	7.1	7.2	7.2	7.1	7.0	6.5
1978.....	6.5	6.2	6.0	6.3	6.5	6.2	6.5	6.3	6.2	5.9	6.0	6.1
UNEMPLOYMENT RATE - WHITE FEMALES 16-19 YEARS												
1974.....	13.6	13.6	13.7	12.3	13.6	15.1	15.2	13.4	15.7	15.6	15.8	15.9
1975.....	17.1	16.3	17.4	16.3	18.5	17.4	18.0	18.4	17.1	17.8	16.8	17.7
1976.....	16.5	17.0	16.2	15.7	15.0	16.0	15.6	18.1	16.1	16.3	16.4	17.3
1977.....	17.7	16.6	16.9	16.7	16.8	15.9	15.3	14.7	16.0	15.6	15.4	12.8
1978.....	14.6	14.8	14.7	14.7	15.0	12.9	14.5	14.4	14.8	13.7	14.3	13.8
UNEMPLOYMENT RATE - WHITE FEMALES 20 YEARS AND OVER												
1974.....	4.5	4.6	4.6	4.5	4.7	4.8	4.8	5.0	5.4	5.1	6.1	6.4
1975.....	7.5	7.5	7.7	8.1	8.3	7.7	7.5	7.2	7.0	7.3	7.2	7.3
1976.....	7.1	6.8	6.7	6.8	6.6	6.6	6.9	7.0	6.8	7.0	6.8	6.6
1977.....	6.5	6.6	6.6	6.3	6.1	6.5	6.1	6.2	6.1	6.1	6.0	5.7
1978.....	5.6	5.2	5.0	5.2	5.5	5.4	5.5	5.2	5.2	4.9	5.0	5.1
UNEMPLOYMENT RATE - BLACK AND OTHER WORKERS												
1974.....	9.1	9.2	9.2	8.7	9.1	9.2	9.9	9.4	9.9	10.9	11.5	12.4
1975.....	13.1	13.3	14.0	14.3	14.3	14.1	13.5	14.1	14.5	14.0	13.6	13.6
1976.....	13.3	13.7	12.7	13.1	12.4	13.5	12.9	13.3	12.8	13.2	13.2	13.0
1977.....	12.7	13.2	12.9	12.4	12.9	13.3	13.1	14.1	13.2	13.6	13.5	12.6
1978.....	12.8	11.9	12.5	12.0	12.3	12.0	12.3	11.5	11.3	11.3	11.7	11.5
UNEMPLOYMENT RATE - BLACK AND OTHER WORKERS 16-19 YEARS												
1974.....	29.1	30.2	32.6	29.7	31.3	32.3	37.4	30.9	31.8	34.3	37.6	37.8
1975.....	39.9	36.7	39.5	37.7	36.8	35.4	34.9	37.4	36.0	36.6	35.0	36.6
1976.....	35.5	35.9	35.3	38.5	37.8	40.5	33.4	40.0	38.2	38.2	36.6	35.4
1977.....	36.4	37.5	38.4	36.1	38.3	39.5	39.9	39.7	37.6	38.2	39.3	38.3
1978.....	38.9	38.1	38.6	35.4	38.2	36.7	36.1	32.5	34.9	34.5	36.5	34.9
UNEMPLOYMENT RATE - BLACK AND OTHER WORKERS 20 YEARS AND OVER												
1974.....	7.0	7.1	6.8	6.7	6.9	6.9	7.1	7.3	7.6	8.4	9.0	9.9
1975.....	10.5	10.9	11.5	11.9	12.0	12.0	11.4	11.9	12.4	11.8	11.6	11.3
1976.....	11.1	11.6	10.5	10.6	9.9	11.2	11.0	10.8	10.5	11.0	11.0	11.4
1977.....	10.6	11.0	10.7	10.4	10.8	10.8	10.5	11.6	10.9	11.2	11.0	10.1
1978.....	10.3	9.4	10.0	9.7	9.8	9.6	9.8	9.5	9.1	9.2	9.3	9.2
UNEMPLOYMENT RATE - BLACK AND OTHER MALES												
1974.....	7.8	8.6	9.0	8.2	7.8	8.9	8.7	8.9	9.7	10.0	10.8	11.7
1975.....	12.8	13.0	13.7	14.4	14.0	14.4	13.8	13.9	14.3	13.9	13.5	13.5
1976.....	13.0	13.2	12.4	12.5	11.9	13.5	12.2	12.4	12.2	12.9	13.1	13.3
1977.....	12.1	12.4	12.2	10.7	12.3	12.3	12.8	14.0	12.6	13.4	12.2	11.4
1978.....	12.0	11.3	11.3	11.2	11.3	10.3	10.6	10.4	10.4	10.3	10.9	10.6
UNEMPLOYMENT RATE - BLACK AND OTHER MALES 16-19 YEARS												
1974.....	26.5	29.0	33.2	28.7	25.5	33.1	32.1	31.3	34.5	31.8	36.0	37.2
1975.....	39.9	33.0	36.9	36.6	34.9	36.8	34.7	37.6	33.1	36.1	31.2	33.2
1976.....	33.3	35.2	32.0	36.2	35.7	39.7	28.8	37.5	38.7	38.0	35.2	35.3
1977.....	34.8	38.2	39.1	34.8	37.8	36.6	39.1	38.4	34.7	36.4	38.2	36.2
1978.....	36.9	35.8	37.1	34.1	37.4	32.2	32.3	28.5	33.8	31.8	37.9	34.6
UNEMPLOYMENT RATE - BLACK AND OTHER MALES 20 YEARS AND OVER												
1974.....	5.8	6.6	6.4	6.2	6.1	6.5	6.2	6.7	7.0	7.7	8.2	9.2
1975.....	10.2	10.9	11.5	12.2	12.0	12.1	11.9	11.7	12.6	11.8	11.9	11.7
1976.....	11.0	11.1	10.5	10.1	9.7	11.2	10.7	10.1	9.7	10.5	11.0	11.2
1977.....	10.0	10.0	9.8	8.6	10.0	10.0	10.2	11.4	10.5	11.2	9.6	8.9
1978.....	9.6	8.8	8.8	8.9	8.8	8.2	8.3	8.7	8.2	8.3	8.3	8.4
UNEMPLOYMENT RATE - BLACK AND OTHER FEMALES												
1974.....	10.6	10.0	9.4	9.4	10.7	9.7	11.4	9.9	10.1	11.9	12.4	13.2
1975.....	13.5	13.7	14.4	14.1	14.6	13.9	13.1	14.4	14.7	14.2	13.6	13.6
1976.....	13.7	14.2	13.1	13.7	12.9	13.6	13.7	14.4	13.6	13.7	13.3	13.5
1977.....	13.4	14.1	13.8	14.4	13.7	14.4	13.4	14.2	13.8	13.8	15.0	13.9
1978.....	13.6	12.6	13.8	12.8	13.5	13.9	14.2	12.7	12.2	12.5	12.5	12.5
UNEMPLOYMENT RATE - BLACK AND OTHER FEMALES 16-19 YEARS												
1974.....	32.6	31.8	31.9	31.0	38.3	31.3	44.0	30.4	28.3	37.7	39.6	38.5
1975.....	39.9	41.0	42.6	39.0	38.7	33.8	35.1	37.2	38.9	37.1	39.0	40.1
1976.....	37.9	36.7	38.9	41.3	40.2	41.4	38.8	42.7	37.5	38.4	38.2	35.5
1977.....	38.2	36.7	37.6	37.5	39.0	42.9	41.1	41.4	41.1	40.3	40.7	40.9
1978.....	41.3	41.0	40.4	37.0	39.2	41.5	40.4	36.6	36.0	37.5	35.0	35.3
UNEMPLOYMENT RATE - BLACK AND OTHER FEMALES 20 YEARS AND OVER												
1974.....	8.5	7.9	7.3	7.4	7.9	7.4	8.1	8.0	8.3	9.3	9.9	10.7
1975.....	10.8	10.9	11.6	11.6	12.0	11.9	10.8	12.1	12.2	11.9	11.1	10.9
1976.....	11.3	12.1	10.5	11.1	10.3	11.2	11.5	11.6	11.5	11.5	11.1	11.7
1977.....	11.2	12.2	11.8	12.3	11.7	11.6	10.9	11.7	11.3	11.3	12.6	11.4
1978.....	11.1	10.0	11.3	10.6	10.9	11.1	11.4	10.3	10.0	10.1	10.3	10.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - BLACK WORKERS												
1974.....	9.3	9.4	9.5	9.4	9.6	10.0	10.4	9.9	10.8	11.5	12.3	13.0
1975.....	14.0	14.0	14.9	15.3	15.1	15.0	14.1	15.2	15.4	14.9	14.4	14.4
1976.....	14.1	14.0	13.4	13.7	13.1	14.2	13.9	14.3	13.6	14.0	13.7	13.8
1977.....	13.6	13.8	13.8	12.7	13.6	13.9	13.9	15.1	14.4	14.6	14.3	13.4
1978.....	13.6	12.6	13.0	12.8	13.0	12.7	12.9	12.2	11.8	11.9	12.3	12.2
UNEMPLOYMENT RATE - BLACK WORKERS 16-19 YEARS												
1974.....	31.0	31.5	34.1	32.1	33.3	34.1	39.6	32.2	35.3	35.6	40.1	39.7
1975.....	42.8	37.9	40.4	40.5	39.2	38.4	36.4	42.7	40.7	40.2	36.8	38.0
1976.....	37.1	37.0	37.1	37.8	40.0	42.8	37.4	42.2	40.3	40.4	39.5	38.9
1977.....	40.2	41.0	40.8	37.2	40.1	42.6	44.3	43.0	40.7	40.8	41.6	40.6
1978.....	40.9	41.3	41.5	38.6	40.1	38.8	38.8	36.5	36.5	35.4	38.3	36.9
UNEMPLOYMENT RATE - BLACK WORKERS 20 YEARS AND OVER												
1974.....	7.1	7.2	6.9	7.2	7.2	7.5	7.3	7.7	8.2	8.9	9.5	10.3
1975.....	11.1	11.5	12.4	12.6	12.6	12.6	12.0	12.7	12.9	12.4	12.2	12.0
1976.....	11.8	11.8	11.0	11.2	10.5	11.7	11.7	11.5	11.1	11.5	11.3	11.6
1977.....	11.2	11.4	11.4	10.6	11.2	11.1	11.0	12.3	11.8	12.0	11.5	10.7
1978.....	11.0	9.8	10.2	10.3	10.3	10.1	10.3	9.9	9.5	9.6	9.7	9.8
UNEMPLOYMENT RATE - BLACK MALES												
1974.....	8.3	8.7	9.2	8.7	8.5	9.7	9.0	9.6	10.6	10.7	11.7	12.5
1975.....	13.8	13.5	14.5	15.4	14.7	15.4	14.5	15.0	15.2	14.8	14.6	14.6
1976.....	13.8	13.8	13.1	13.1	12.9	14.1	13.3	13.4	13.2	13.7	13.8	13.6
1977.....	12.7	12.9	12.9	10.7	13.1	12.7	13.6	15.2	13.7	14.3	13.2	12.2
1978.....	13.0	12.3	11.9	11.9	11.7	10.7	11.3	11.1	10.7	10.8	11.7	11.2
UNEMPLOYMENT RATE - BLACK MALES 16-19 YEARS												
1974.....	28.2	28.8	32.7	30.2	27.8	34.7	34.7	32.7	36.6	32.3	38.3	38.1
1975.....	42.6	34.0	37.5	40.1	37.7	38.7	35.8	44.2	37.3	40.1	34.1	35.8
1976.....	34.8	35.2	33.5	33.4	38.8	42.7	34.0	39.1	39.7	39.7	37.2	37.7
1977.....	38.2	40.7	40.7	34.2	39.3	37.4	42.6	42.2	36.9	38.8	40.0	37.7
1978.....	38.8	39.1	40.3	37.4	38.1	33.0	35.7	33.5	35.2	31.5	39.0	35.9
UNEMPLOYMENT RATE - BLACK MALES 20 YEARS AND OVER												
1974.....	6.1	6.6	6.6	6.5	6.4	7.0	6.2	7.2	7.8	8.4	8.9	9.8
1975.....	10.9	11.4	12.3	12.9	12.4	13.0	12.4	12.5	13.2	12.5	12.8	12.7
1976.....	11.7	11.7	11.1	10.8	10.2	11.5	11.4	10.9	10.6	11.1	11.6	11.3
1977.....	10.5	10.4	10.4	8.7	10.6	10.2	10.6	12.3	11.3	11.8	10.3	9.6
1978.....	10.4	9.5	9.0	9.4	9.1	8.6	8.8	9.1	8.4	8.8	9.0	8.9
UNEMPLOYMENT RATE - BLACK FEMALES												
1974.....	10.6	10.3	9.9	10.2	11.1	10.4	12.0	10.3	11.0	12.4	13.1	13.6
1975.....	14.2	14.5	15.3	15.0	15.5	14.5	13.7	15.4	15.7	15.0	14.1	14.1
1976.....	14.4	14.3	13.7	14.4	13.5	14.4	14.6	15.2	14.1	14.3	13.5	14.1
1977.....	14.5	14.9	14.8	15.0	14.1	15.4	14.2	15.0	15.1	14.9	15.5	14.6
1978.....	14.3	13.0	14.2	13.7	14.4	14.8	14.7	13.3	13.1	13.1	12.9	13.2
UNEMPLOYMENT RATE - BLACK FEMALES 16-19 YEARS												
1974.....	34.8	34.9	36.0	34.5	40.3	33.4	45.7	31.6	33.6	40.1	42.6	41.8
1975.....	42.9	42.6	43.7	40.9	41.0	38.0	37.1	41.0	44.2	40.3	39.6	40.1
1976.....	39.7	38.9	41.1	43.1	41.4	42.9	41.4	45.8	41.1	41.4	42.1	40.5
1977.....	42.6	41.5	40.8	40.5	41.3	48.5	46.5	44.0	45.1	43.4	43.7	44.2
1978.....	43.4	44.0	42.9	40.0	42.3	44.7	42.2	39.6	37.8	39.5	37.6	38.1
UNEMPLOYMENT RATE - BLACK FEMALES 20 YEARS AND OVER												
1974.....	8.2	7.9	7.3	7.9	8.1	7.9	8.6	8.3	8.8	9.6	10.3	11.0
1975.....	11.3	11.6	12.5	12.4	12.9	12.2	11.4	12.9	12.7	12.4	11.6	11.3
1976.....	11.8	11.9	10.9	11.5	10.7	11.8	12.1	12.3	11.7	11.9	10.9	11.9
1977.....	12.0	12.6	12.6	12.7	11.9	12.1	11.4	12.3	12.3	12.3	12.9	11.9
1978.....	11.6	10.1	11.5	11.3	11.7	11.8	12.0	10.7	10.7	10.5	10.5	10.7
UNEMPLOYMENT RATE - MARRIED WORKERS, SPOUSE PRESENT												
1974.....	3.2	3.3	3.1	3.1	3.0	3.3	3.5	3.6	3.8	3.8	4.4	4.9
1975.....	5.8	5.8	6.2	6.6	6.8	6.5	6.2	6.0	6.1	6.0	5.7	5.6
1976.....	5.3	5.3	5.1	5.1	5.1	5.3	5.4	5.3	5.4	5.3	5.3	5.1
1977.....	4.9	5.1	4.9	4.8	4.7	4.6	4.5	4.5	4.4	4.5	4.4	4.2
1978.....	4.0	3.8	3.8	3.7	4.0	3.8	3.7	3.8	3.7	3.6	3.6	3.7
UNEMPLOYMENT RATE - MARRIED MEN, SPOUSE PRESENT												
1974.....	2.3	2.4	2.3	2.4	2.2	2.5	2.6	2.8	2.8	3.0	3.3	3.8
1975.....	4.6	4.7	5.1	5.5	5.8	5.5	5.4	5.2	5.3	5.1	4.9	4.7
1976.....	4.3	4.2	4.2	4.1	4.1	4.4	4.4	4.2	4.4	4.2	4.3	4.1
1977.....	4.0	4.1	3.8	3.7	3.7	3.5	3.4	3.5	3.3	3.5	3.3	3.1
1978.....	3.1	2.9	3.0	2.8	2.9	2.7	2.7	2.8	2.6	2.6	2.4	2.5
UNEMPLOYMENT RATE - MARRIED WOMEN, SPOUSE PRESENT												
1974.....	4.8	5.0	4.7	4.5	4.6	4.8	5.1	5.3	5.8	5.3	6.5	7.0
1975.....	8.1	8.0	8.4	8.7	8.8	8.2	7.6	7.6	7.6	7.5	7.3	7.2
1976.....	7.2	7.2	6.9	7.0	6.9	7.1	7.3	7.4	7.2	7.2	7.0	6.9
1977.....	6.6	6.9	6.9	6.7	6.6	6.7	6.5	6.4	6.3	6.3	6.4	6.1
1978.....	5.7	5.3	5.2	5.1	6.0	5.6	5.5	5.6	5.5	5.3	5.5	5.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - WOMEN WHO HEAD FAMILIES												
1974.....	6.7	6.4	6.4	6.5	7.1	6.6	6.2	6.5	7.3	7.2	8.4	8.2
1975.....	8.9	9.7	9.9	9.5	10.7	10.2	10.4	9.8	9.7	10.3	10.0	10.3
1976.....	10.5	10.2	9.6	9.7	9.3	9.6	10.0	10.4	10.4	10.4	9.6	10.1
1977.....	9.5	9.5	9.8	9.4	9.0	9.4	9.1	9.8	10.2	9.3	9.2	7.8
1978.....	8.2	7.7	8.7	10.1	9.3	8.8	9.8	8.0	8.0	7.5	7.7	7.7
UNEMPLOYMENT RATE - FULL-TIME WORKERS												
1974.....	4.6	4.6	4.5	4.6	4.6	4.7	5.0	4.9	5.3	5.6	6.1	6.6
1975.....	7.6	7.7	8.2	8.5	8.8	8.5	8.4	8.0	8.3	8.2	7.9	7.7
1976.....	7.4	7.2	7.2	7.2	7.0	7.3	7.2	7.3	7.4	7.4	7.3	7.3
1977.....	6.9	7.0	6.8	6.7	6.6	6.6	6.5	6.5	6.3	6.4	6.2	5.8
1978.....	5.9	5.7	5.6	5.5	5.6	5.3	5.7	5.4	5.4	5.2	5.2	5.3
UNEMPLOYMENT RATE - FULL-TIME WORKERS 16-19 YEARS												
1974.....	15.4	15.2	15.4	14.9	15.4	15.8	17.1	15.5	17.3	17.9	18.4	18.3
1975.....	21.1	20.6	21.7	21.8	22.2	23.5	23.0	22.6	21.2	21.2	20.4	21.4
1976.....	21.3	19.6	20.1	21.4	19.9	20.6	17.9	21.4	20.7	20.6	19.6	20.1
1977.....	19.1	19.6	18.6	19.1	18.4	18.1	18.0	18.2	17.6	17.3	17.7	16.5
1978.....	16.7	17.7	17.4	17.2	16.6	12.9	16.9	15.2	16.7	16.7	17.3	17.3
UNEMPLOYMENT RATE - FULL-TIME MALES 20 YEARS AND OVER												
1974.....	3.2	3.3	3.2	3.4	3.2	3.3	3.5	3.6	3.8	4.2	4.4	5.1
1975.....	5.9	6.1	6.6	7.0	7.1	7.0	7.0	6.6	7.1	6.9	6.6	6.3
1976.....	5.8	5.6	5.6	5.5	5.5	5.9	5.9	5.7	5.9	5.8	5.9	5.9
1977.....	5.5	5.6	5.3	5.2	5.1	5.0	5.0	5.0	4.7	4.9	4.5	4.3
1978.....	4.4	4.3	4.3	4.1	4.1	3.9	4.0	4.0	3.9	4.0	3.8	3.9
UNEMPLOYMENT RATE - FULL-TIME FEMALES 20 YEARS AND OVER												
1974.....	5.0	5.0	4.9	4.9	5.2	5.2	5.4	5.2	5.9	5.7	6.8	7.2
1975.....	8.2	8.3	8.6	8.9	9.4	8.5	8.5	7.9	8.1	8.3	8.1	7.9
1976.....	7.9	7.8	7.6	7.5	7.3	7.6	7.8	7.7	7.7	7.7	7.6	7.6
1977.....	7.3	7.3	7.4	7.3	7.1	7.2	7.1	7.2	7.1	6.9	7.0	6.6
1978.....	6.5	6.1	6.0	5.9	6.3	6.2	6.6	6.0	6.0	5.4	5.6	5.7
UNEMPLOYMENT RATE - PART-TIME WORKERS												
1974.....	7.9	8.2	7.9	7.7	8.4	8.7	8.5	8.5	9.1	8.9	9.5	9.8
1975.....	10.3	10.1	10.6	10.4	10.6	10.2	9.9	10.5	10.2	10.4	10.1	10.5
1976.....	10.3	10.3	9.9	10.5	10.1	9.1	10.8	10.2	9.8	10.2	10.4	9.7
1977.....	10.3	10.6	10.7	9.8	9.9	10.7	9.5	9.2	9.7	9.6	9.6	8.8
1978.....	9.1	8.6	9.4	9.4	9.2	9.0	8.9	8.7	8.8	9.0	8.9	9.2
UNEMPLOYMENT RATE - PART-TIME WORKERS 16-19 YEARS												
1974.....	13.9	14.2	14.2	14.1	15.2	16.3	16.6	14.1	16.4	16.2	17.1	17.9
1975.....	17.9	17.6	17.8	18.0	17.8	17.0	17.5	18.1	17.3	18.2	17.4	17.8
1976.....	17.7	18.4	17.3	17.6	17.0	15.4	18.4	17.0	16.1	17.1	18.7	17.8
1977.....	18.6	17.0	18.5	17.1	17.5	18.9	16.8	15.9	18.3	17.3	16.7	14.4
1978.....	16.3	16.7	16.9	16.6	16.2	17.2	16.1	15.9	15.7	15.8	15.3	15.9
UNEMPLOYMENT RATE - PART-TIME MALES 20 YEARS AND OVER												
1974.....	6.6	6.9	5.8	5.9	6.1	7.3	6.1	8.0	7.0	6.8	7.2	7.8
1975.....	7.3	7.7	8.5	8.5	10.5	8.3	8.3	8.7	9.2	9.3	9.2	8.8
1976.....	9.0	8.6	9.2	9.9	8.8	8.9	8.7	8.6	8.1	8.8	8.4	8.1
1977.....	8.7	8.9	8.4	8.0	9.1	8.7	7.6	7.7	6.8	7.4	7.5	7.9
1978.....	7.6	5.7	8.1	7.5	6.4	6.4	7.0	6.7	7.1	6.6	6.5	7.1
UNEMPLOYMENT RATE - PART-TIME FEMALES 20 YEARS AND OVER												
1974.....	4.9	5.2	5.0	4.8	5.4	4.8	5.0	5.7	5.8	5.5	6.1	5.9
1975.....	7.0	6.6	7.2	6.9	6.7	7.1	6.3	7.0	6.4	6.5	6.3	6.9
1976.....	6.6	6.4	6.1	6.8	6.7	5.5	7.2	6.8	6.8	7.0	6.5	5.8
1977.....	6.3	7.7	7.3	6.4	6.0	6.9	6.0	5.8	6.1	6.0	6.4	6.0
1978.....	5.6	5.1	5.7	6.0	6.3	5.7	5.8	5.5	5.6	6.0	6.2	6.1
UNEMPLOYMENT RATE - WHITE-COLLAR WORKERS												
1974.....	3.1	3.1	2.9	2.9	3.1	3.2	3.3	3.2	3.6	3.3	3.8	4.1
1975.....	4.4	4.4	4.6	4.8	5.3	4.9	4.8	4.6	4.8	4.8	4.7	4.8
1976.....	4.6	4.6	4.6	4.8	4.6	4.5	4.7	4.9	4.5	4.5	4.6	4.5
1977.....	4.5	4.6	4.7	4.4	4.3	4.3	4.0	4.2	4.2	4.1	4.1	3.9
1978.....	3.7	3.6	3.5	3.6	3.7	3.6	3.7	3.5	3.5	3.3	3.2	3.5
UNEMPLOYMENT RATE - PROFESSIONAL AND TECHNICAL WORKERS												
1974.....	2.3	2.0	2.0	2.2	2.1	2.1	2.1	2.2	2.6	2.4	2.5	2.6
1975.....	2.8	3.0	3.0	3.2	3.6	3.4	3.5	3.0	3.3	3.2	3.4	3.2
1976.....	3.0	3.4	3.5	3.2	3.2	3.0	3.2	3.1	3.1	3.1	3.3	3.3
1977.....	3.2	3.2	3.2	3.2	3.0	3.1	2.9	3.0	3.0	2.9	2.8	2.7
1978.....	2.7	2.5	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.8	2.4	3.0
UNEMPLOYMENT RATE - MANAGERS AND ADMINISTRATORS, EXCEPT FARM												
1974.....	1.6	1.7	1.6	1.6	1.7	1.8	1.4	1.9	2.1	1.9	2.3	2.6
1975.....	3.1	2.7	2.8	3.2	3.2	3.0	2.9	3.0	3.4	3.0	2.9	3.0
1976.....	2.9	3.0	2.8	2.8	3.1	3.2	3.4	3.5	3.2	3.0	3.0	3.1
1977.....	2.9	2.9	3.3	3.0	2.8	2.8	2.6	2.6	2.4	2.6	2.9	2.5
1978.....	2.5	1.9	2.2	2.0	2.1	1.9	2.2	1.9	2.2	1.8	2.2	1.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - SALES WORKERS												
1974.....	3.7	4.2	3.9	3.4	4.2	4.6	4.1	3.7	4.3	4.6	4.9	5.6
1975.....	5.3	5.4	6.1	6.0	6.0	6.1	5.1	5.7	5.8	5.9	6.0	6.2
1976.....	6.0	5.4	5.1	5.2	5.0	5.3	5.3	5.8	5.5	5.3	5.6	5.1
1977.....	5.6	5.7	5.6	5.3	5.5	5.2	5.3	5.2	5.0	4.9	4.9	4.7
1978.....	3.9	4.4	4.4	4.3	4.5	4.4	4.3	4.1	4.3	4.1	3.1	3.6
UNEMPLOYMENT RATE - CLERICAL WORKERS												
1974.....	4.3	4.4	4.0	4.1	4.3	4.4	4.9	4.5	4.9	4.4	5.3	5.4
1975.....	6.1	6.1	6.5	6.5	7.7	6.7	6.7	6.5	6.5	6.7	6.4	6.6
1976.....	6.5	6.2	6.3	7.0	6.4	6.2	6.5	7.0	6.1	6.2	6.2	6.0
1977.....	6.1	6.4	6.5	6.0	5.7	5.8	5.3	5.8	5.9	5.7	5.6	5.4
1978.....	5.1	5.1	4.6	5.1	5.3	5.1	5.3	4.9	4.7	4.2	4.5	4.6
UNEMPLOYMENT RATE - BLUE-COLLAR WORKERS												
1974.....	5.8	5.9	5.9	6.1	5.7	6.2	6.4	6.7	7.1	7.5	8.3	9.5
1975.....	10.8	10.7	12.2	12.7	12.9	12.7	12.3	11.8	11.7	11.4	10.9	10.4
1976.....	9.6	9.4	9.3	9.2	9.1	9.5	9.5	9.7	9.6	9.4	9.3	9.4
1977.....	8.6	8.8	8.5	8.1	8.0	8.0	8.0	8.2	7.6	7.9	7.5	7.0
1978.....	7.3	7.2	7.2	6.7	6.7	6.6	6.7	6.9	6.8	6.8	6.4	6.8
UNEMPLOYMENT RATE - CRAFT AND KINDRED WORKERS												
1974.....	3.9	3.9	3.6	3.8	3.7	4.0	4.0	4.4	4.9	5.2	5.1	6.4
1975.....	7.3	6.5	8.5	8.8	9.3	9.1	9.1	8.5	8.7	8.6	7.9	7.1
1976.....	6.9	6.7	6.7	7.1	6.4	7.1	7.1	7.0	6.9	6.7	6.8	6.8
1977.....	6.3	6.4	6.0	5.1	5.8	5.6	5.5	5.5	5.1	5.3	5.1	5.1
1978.....	5.3	5.0	5.0	4.4	4.4	4.3	4.0	4.5	4.7	4.9	4.0	4.7
UNEMPLOYMENT RATE - OPERATIVES, EXCEPT TRANSPORT												
1974.....	7.0	7.1	7.3	7.2	6.9	7.3	7.5	8.2	8.6	9.1	10.9	12.0
1975.....	14.0	14.6	15.7	16.5	16.3	16.0	15.1	14.5	13.9	13.1	12.9	12.6
1976.....	10.8	10.8	10.7	10.4	10.8	10.9	10.8	10.9	10.8	11.1	10.7	10.6
1977.....	9.8	9.9	9.7	9.8	9.1	9.5	9.8	9.6	9.5	9.7	9.1	8.1
1978.....	8.4	8.3	8.2	8.0	8.4	8.1	8.2	8.8	8.1	7.6	7.5	7.7
UNEMPLOYMENT RATE - TRANSPORT EQUIPMENT OPERATIVES												
1974.....	4.3	4.4	4.8	4.9	4.7	5.3	4.8	4.6	5.2	5.6	6.3	6.2
1975.....	7.3	7.9	7.7	8.7	8.6	8.6	8.4	9.0	9.5	9.2	8.8	8.7
1976.....	8.5	7.6	7.9	6.7	6.5	7.7	7.8	7.8	7.9	7.9	8.1	7.6
1977.....	7.2	7.7	7.2	6.6	6.7	6.2	6.9	7.3	5.7	6.1	5.4	5.5
1978.....	5.4	5.1	5.3	5.5	5.6	4.9	5.7	5.6	5.2	4.8	4.2	5.3
UNEMPLOYMENT RATE - NONFARM LABORERS												
1974.....	8.4	9.1	8.9	9.9	8.5	9.8	10.8	10.4	10.5	10.9	11.4	13.2
1975.....	14.2	14.0	16.0	16.4	16.9	16.5	16.2	15.9	15.7	16.1	15.2	14.8
1976.....	14.3	13.8	13.1	13.2	13.5	13.5	13.4	14.6	14.6	13.4	12.9	13.9
1977.....	13.0	12.7	13.1	12.8	12.4	11.8	10.8	12.6	11.1	11.6	11.6	10.7
1978.....	11.0	11.3	11.7	10.3	8.8	10.2	10.6	9.7	10.5	11.0	11.6	11.0
UNEMPLOYMENT RATE - SERVICE WORKERS												
1974.....	5.6	6.0	5.9	5.9	6.6	6.0	6.4	6.2	6.5	6.5	6.9	7.1
1975.....	7.9	7.7	8.3	8.4	8.6	8.5	8.5	9.3	8.9	8.9	8.6	9.0
1976.....	9.0	8.9	8.7	8.5	8.1	8.6	8.6	8.5	8.7	9.2	8.6	8.8
1977.....	8.7	8.5	8.1	8.3	8.8	8.3	7.7	8.4	7.8	8.1	7.7	7.7
1978.....	7.6	7.2	7.7	7.7	7.6	7.2	7.4	7.1	7.4	7.1	7.4	7.7
UNEMPLOYMENT RATE - PRIVATE HOUSEHOLD WORKERS												
1974.....	4.8	4.3	4.3	4.1	3.9	4.2	4.6	4.1	4.4	4.4	5.0	4.2
1975.....	4.6	4.7	4.9	4.8	5.8	3.2	5.1	6.0	7.2	6.0	5.9	7.1
1976.....	5.8	6.9	6.0	5.9	5.4	5.5	5.5	5.7	3.6	6.1	6.3	5.4
1977.....	5.2	5.0	5.2	5.1	5.9	5.5	5.0	4.1	4.8	4.5	4.9	4.4
1978.....	5.2	4.8	5.1	4.4	4.8	4.6	5.7	5.6	3.9	5.6	6.0	6.1
UNEMPLOYMENT RATE - OTHER SERVICE WORKERS												
1974.....	5.7	6.2	6.1	6.1	7.0	6.2	6.6	6.5	6.7	6.8	7.1	7.4
1975.....	8.3	8.0	8.7	8.8	9.0	9.2	8.9	9.7	9.0	9.2	8.9	9.2
1976.....	9.4	9.1	9.0	8.7	8.4	8.9	8.9	8.8	9.2	9.5	9.5	9.1
1977.....	9.0	8.8	8.3	8.6	9.1	8.6	8.0	8.8	8.1	8.4	8.0	8.0
1978.....	7.9	7.4	8.0	8.0	7.9	7.5	7.6	7.3	7.7	7.2	7.5	7.9
UNEMPLOYMENT RATE - FARM WORKERS												
1974.....	2.0	2.2	2.4	2.4	2.5	2.7	3.2	2.8	2.7	2.7	2.7	2.4
1975.....	3.8	3.0	3.4	3.5	3.1	3.3	3.1	4.1	3.7	3.9	3.8	4.2
1976.....	4.2	3.6	4.2	4.5	4.6	4.3	4.8	4.0	4.0	4.2	5.1	6.1
1977.....	4.8	5.7	4.9	4.8	4.5	5.0	4.2	4.2	4.7	4.3	4.1	4.1
1978.....	3.9	4.1	4.5	3.2	3.6	3.2	3.9	3.6	3.9	4.6	3.2	3.4
UNEMPLOYMENT RATE - FARM LABORERS AND SUPERVISORS												
1974.....	4.2	4.3	5.0	4.7	4.4	5.2	6.5	5.7	5.4	5.5	5.2	5.0
1975.....	7.5	6.3	7.1	7.6	6.4	6.9	6.3	8.1	7.5	7.8	7.9	8.6
1976.....	8.6	7.1	8.3	8.6	9.5	8.6	9.5	8.1	8.0	8.6	10.1	11.6
1977.....	9.5	11.2	9.8	9.4	8.6	9.7	8.1	8.1	9.1	8.5	7.9	8.0
1978.....	7.7	8.2	8.5	6.4	7.1	6.6	7.8	7.2	7.7	9.0	6.3	6.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
UNEMPLOYMENT RATE - TOTAL WAGE AND SALARY WORKERS												
1974.....	4.7	4.9	4.7	4.8	4.9	5.0	5.1	5.2	5.6	5.7	6.3	6.9
1975.....	7.7	7.8	8.3	8.7	9.0	8.7	8.4	8.3	8.3	8.2	8.0	7.9
1976.....	7.6	7.4	7.2	7.3	7.2	7.3	7.4	7.5	7.3	7.3	7.4	7.3
1977.....	7.0	7.2	6.9	6.7	6.7	6.6	6.4	6.5	6.3	6.4	6.3	5.9
1978.....	5.9	5.7	5.7	5.6	5.7	5.4	5.7	5.5	5.6	5.4	5.4	5.6
UNEMPLOYMENT RATE - WAGE AND SALARY WORKERS IN AGRICULTURAL INDUSTRIES												
1974.....	6.6	6.8	6.9	7.1	7.0	7.3	8.3	7.3	7.3	8.3	7.5	7.5
1975.....	10.6	8.8	10.5	11.1	9.3	10.3	9.0	11.3	11.1	10.8	10.3	11.5
1976.....	11.2	10.4	10.7	11.4	12.8	11.3	12.0	11.1	11.4	11.3	13.5	13.3
1977.....	12.7	12.8	12.3	12.4	11.8	11.4	9.7	10.2	10.6	10.1	9.5	9.5
1978.....	9.0	9.7	9.7	7.9	7.9	8.4	9.6	8.7	8.7	9.5	7.9	7.7
UNEMPLOYMENT RATE - WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1974.....	4.7	4.8	4.6	4.8	4.8	5.0	5.1	5.1	5.5	5.6	6.2	6.8
1975.....	7.7	7.7	8.2	8.6	9.0	8.6	8.4	8.2	8.3	8.1	7.9	7.8
1976.....	7.5	7.3	7.1	7.2	7.1	7.2	7.4	7.4	7.2	7.3	7.3	7.2
1977.....	6.9	7.1	6.8	6.6	6.7	6.5	6.3	6.5	6.2	6.3	6.2	5.8
1978.....	5.9	5.6	5.7	5.6	5.6	5.4	5.6	5.4	5.5	5.3	5.3	5.5
UNEMPLOYMENT RATE - GOVERNMENT WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1974.....	2.6	2.8	2.8	2.9	3.3	2.9	3.0	2.9	3.1	3.0	3.4	3.3
1975.....	3.5	3.6	3.8	3.8	4.6	4.0	4.1	4.0	4.3	4.3	3.8	4.3
1976.....	4.2	4.4	4.5	5.0	4.6	4.2	4.5	4.4	4.1	4.4	4.2	4.3
1977.....	4.3	4.5	4.1	4.2	4.0	4.2	3.9	4.3	4.2	4.0	4.3	4.2
1978.....	4.2	3.5	3.8	3.9	4.0	4.0	4.1	3.6	3.9	3.9	3.9	4.0
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES												
1974.....	5.1	5.3	5.0	5.2	5.2	5.4	5.5	5.6	6.1	6.2	6.9	7.6
1975.....	8.6	8.7	9.2	9.7	10.0	9.7	9.4	9.2	9.1	9.0	8.9	8.6
1976.....	8.2	8.0	7.7	7.7	7.6	7.9	8.0	8.1	7.9	7.9	8.0	7.8
1977.....	7.5	7.6	7.4	7.1	7.2	7.0	6.9	7.0	6.7	6.8	6.7	6.2
1978.....	6.3	6.1	6.1	5.9	6.0	5.7	6.0	5.8	5.8	5.6	5.6	5.8
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN CONSTRUCTION												
1974.....	9.5	8.4	8.6	9.9	9.5	9.8	10.1	10.9	11.6	12.1	13.6	15.3
1975.....	15.7	16.3	17.9	19.3	21.6	19.9	19.5	19.4	18.5	17.9	17.5	16.9
1976.....	15.5	15.5	15.7	15.7	14.7	16.3	16.8	16.9	15.6	14.7	15.5	14.3
1977.....	14.7	14.8	13.9	12.6	13.3	12.5	11.9	11.8	10.3	11.8	11.4	10.7
1978.....	11.5	11.2	11.0	9.8	9.6	9.5	9.6	9.4	10.6	11.2	10.8	12.1
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN MANUFACTURING												
1974.....	4.8	5.1	5.0	4.9	4.7	5.2	5.4	5.7	6.0	6.5	7.4	8.7
1975.....	10.3	10.7	11.3	12.0	12.3	12.1	11.5	10.8	10.6	10.2	9.9	9.2
1976.....	8.5	8.1	7.6	7.7	7.7	7.8	7.8	7.9	7.7	7.8	7.7	8.0
1977.....	7.2	7.3	6.9	6.8	6.6	6.4	6.6	6.8	6.8	6.6	6.3	5.6
1978.....	5.7	5.8	5.6	5.4	5.7	5.6	5.5	5.6	5.3	5.1	5.1	5.0
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN DURABLE GOODS												
1974.....	4.5	4.9	4.7	4.7	4.4	4.7	4.9	5.1	5.3	6.2	7.1	8.5
1975.....	10.3	10.7	11.2	12.3	12.7	12.9	12.2	11.7	11.3	10.6	10.2	9.4
1976.....	8.5	8.0	7.8	7.7	7.7	7.7	7.4	7.4	7.2	7.6	7.1	7.8
1977.....	6.7	7.1	6.5	6.2	6.0	5.8	6.1	6.2	6.2	5.9	5.8	5.5
1978.....	5.3	5.1	5.0	4.5	5.1	4.9	5.0	5.4	4.8	4.6	4.6	4.4
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN NONDURABLE GOODS												
1974.....	5.1	5.4	5.3	5.1	5.2	5.9	6.2	6.5	7.0	6.8	7.9	9.0
1975.....	10.3	10.8	11.4	11.4	11.8	11.1	10.5	9.6	9.5	9.7	9.4	8.8
1976.....	8.3	8.2	7.2	7.8	7.7	7.9	8.3	8.7	8.5	8.2	8.4	8.3
1977.....	7.9	7.6	7.6	7.8	7.3	7.3	7.4	7.6	7.7	7.7	7.0	5.7
1978.....	6.3	6.7	6.4	6.5	6.5	6.6	6.3	5.8	6.1	6.0	5.8	6.0
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN TRANSPORTATION AND PUBLIC UTILITIES												
1974.....	3.0	3.0	2.8	3.0	2.9	3.2	3.4	3.5	3.3	3.4	3.5	4.1
1975.....	5.9	5.2	5.7	6.5	6.3	5.8	5.5	5.6	5.6	5.4	4.7	5.0
1976.....	5.0	4.9	4.6	4.3	5.2	5.3	5.1	4.8	5.2	5.3	5.4	4.9
1977.....	4.8	4.8	5.2	4.6	4.4	4.4	4.6	4.9	4.7	4.7	4.5	4.6
1978.....	4.3	3.3	3.9	3.8	3.9	3.9	4.1	3.8	3.6	3.4	3.3	3.3
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN WHOLESALE AND RETAIL TRADE												
1974.....	5.8	6.1	5.8	5.9	6.3	6.4	6.5	6.1	6.7	6.9	7.1	7.8
1975.....	8.2	8.0	8.6	9.0	8.9	8.8	8.6	8.7	8.9	8.8	9.2	9.2
1976.....	8.7	8.5	8.6	8.4	8.2	8.5	8.7	8.8	8.8	8.6	8.9	8.1
1977.....	8.5	8.7	8.3	7.9	8.4	8.1	7.9	8.1	7.6	7.8	7.4	7.2
1978.....	7.2	7.2	7.3	7.1	6.9	6.4	6.8	6.5	6.7	6.7	6.5	6.8
UNEMPLOYMENT RATE - PRIVATE WAGE AND SALARY WORKERS IN FINANCE AND SERVICE INDUSTRIES												
1974.....	4.3	4.6	4.3	4.3	4.2	4.4	4.5	4.6	5.0	4.7	5.4	5.4
1975.....	6.1	6.2	6.6	6.6	6.9	6.6	6.6	6.3	6.6	6.9	6.8	6.8
1976.....	6.9	6.6	6.2	6.3	6.2	6.4	6.5	6.6	6.4	6.5	6.7	6.7
1977.....	6.2	6.3	6.5	6.2	6.4	6.1	5.7	5.7	5.7	5.7	6.0	5.4
1978.....	5.4	5.2	5.2	5.2	5.2	4.8	5.4	5.2	5.1	4.6	5.0	5.1

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 "Change in the Estimation Procedure for the Current Population Survey Beginning in January 1979" in the February 1979 issue of *Employment and Earnings*. Differences between the old and new procedures exist only for metropolitan estimates 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 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 White-Nonwhite race, while the State adjustment is done by Urban-Rural status and White-Nonwhite 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 appears in the paper, "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Proceedings of the Annual Meetings of the American Statistical Association, Social Statistics Section, Chicago, Illinois, August 1977; 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

Table A. Standard errors of major employment status categories

(In thousands)	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Employment status, sex, age, and race		
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

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.

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.

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

Illustration. For an example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that the tables show that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table E (0.11 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	Nondurable goods . . . . .	.36	.40
Managers and administrators, except farm . . . . .	.19	.21	Transportation and public utilities . . . . .	.31	.35
Sales workers . . . . .	.37	.41	Wholesale and retail trade . . . . .	.25	.28
Clerical workers . . . . .	.23	.26	Finance and service industries . . . . .	.17	.19
Blue-collar workers . . . . .	.20	.22	Government workers . . . . .	.21	.23
Craft and kindred workers . . . . .	.27	.30	Agricultural wage and salary workers	1.09	1.24

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

Estimated monthly level	Characteristics 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 teenage (16-19).....	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
Nonwhite or teenage (16-19)...	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 date 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 aggregate (of each labor turnover action) divided by annual sum of 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-

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.

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.

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 nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index for All Urban Consumers (CPI-U).

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

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

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the Gross Domestic Product less 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 1977, 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 1978 *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*.

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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

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