

Employment and Earnings

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

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CALENDAR OF FEATURES										
In addition to the monthly data appearing regularly in Employment and Earnings, special features appear in most of the issues, as shown below:										
	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Oct.	Nov.	Dec.
Household data										
Annual averages	x									
Revised seasonally adjusted series		x								
Quarterly averages:										
Seasonally adjusted data										
Persons not in labor force										
Persons of Spanish origin										
Vietnam-Era veterans and nonveterans										
Poverty-nonpoverty area data	x			x		x		x		
Establishment data										
National annual averages:										
Industry divisions (preliminary)	x									
Industry detail (final)			x							
Women employment (National)		x			x		x		x	
National data adjusted to new benchmarks								(1)		
Revised seasonally adjusted series										(2)
State and area annual averages					x					
Area definitions					x					

¹ The issue that introduces the establishment data adjusted to new benchmarks varies. The October 1975 issue marks the introduction of March 1974 benchmarks.

² Revised data introduced December 1976.

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¹ Monthly data in February, May, August, and November issues; annual averages in March issue.

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Employment and Unemployment Developments, November 1976

Both unemployment and employment rose in November, as the labor force expanded sharply following several months of stability. The unemployment rate rose to 8.1 percent, the highest for the year, after holding at the 7.8-7.9 percent level in the prior 4 months.

Total employment—as measured by the monthly survey of households—rose by more than 350,000 in November to a new high of 88.1 million. Employment had also been on a plateau in the July-October period. Since the March 1975 recession low, the employed total has risen by 4 million.

Nonfarm payroll employment—as measured by the monthly survey of establishments—rose by 260,000 in November to 79.7 million. About two-fifths of this gain was the result of strikers returning to their jobs in manufacturing industries. Since the June 1975 low, payroll jobs have increased by 3.3 million.

Unemployment

Total unemployment rose by 200,000 in November to 7.8 million, seasonally adjusted, following a 4-month period of relative stability. The overall unemployment rate was 8.1 percent, marking the first time this year that the jobless rate has reached the 8-percent level. The jobless rate had declined to a recovery low of 7.3 percent in May of this year prior to resuming an upward course in subsequent months.

Most of the November increase in unemployment occurred among adult men. Their jobless rate edged up 0.2 percentage point to 6.5 percent, the third such increase in as many months. Their unemployment rate was also at its highest point of the year. In contrast, jobless rates for most other major demographic groups—including adult women (7.7 percent), teenagers (19.0 percent), whites (7.4 percent), and blacks (13.6 percent)—showed little or no change in November.

Increases in the numbers of both job losers and persons re-entering the labor force accounted for the November unemployment upturn. The job-loser total rose to 3.9 million, the highest level this year and 460,000 above the May low point.

In terms of duration of unemployment, there was a decline in very short-term unemployment (less than 5

weeks) that was more than offset by large increases in the longer duration categories. These movements combined to push the average (mean) duration of joblessness to 15.6 weeks, compared with 15.4 weeks in the 2 previous months.

The number of persons working part time involuntarily totaled 3.6 million in November. The size of this group has been increasing steadily since July, when it totaled 3.0 million.

Total employment and the labor force

After 4 straight months of little or no change, total employment registered a strong gain in November, rising by 360,000 to 88.1 million. Nearly all of the over-the-month increase was among adult women, whose employment had remained fairly steady since mid-summer. Employment has risen by 4 million from the March 1975 trough—including 2.2 million adult women and 1.6 million adult men. Over the past 12 months alone, total employment was up by 3 million.

The over-the-month increases in employment and unemployment resulted in substantial growth in the civilian labor force, which increased in November by 560,000 to 95.9 million. Since November of last year, the civilian labor force has grown by nearly 2.9 million, with adult women accounting for over half of the rise. During that period, the labor force participation rate of adult women rose from 46.1 to 47.4 percent (seasonally adjusted), continuing their secular uptrend. In contrast, the percentage of adult men in the labor force was virtually unchanged over the year at 80.3 percent.

Industry payroll employment

Nonagricultural payroll employment increased by 260,000 in November to 79.7 million, seasonally adjusted. The payroll job count has risen almost continuously since the June 1975 recession low to a level nearly 1 million above the previous high in September 1974. Over-the-month employment gains occurred in nearly three-fifths of the 172 industries comprising the BLS diffusion index of nonagricultural payroll employment.

Manufacturing employment rose by 100,000 in November to 19.1 million, after declining by a slightly larger amount in October. The entire over-the-month gain occurred in durable goods, stemming from the settlement of several strikes. Employment gains were posted in the transportation equipment, fabricated metals, machinery, and electrical equipment industries. Elsewhere in the goods-producing industries, contract construction registered a gain of 30,000 jobs, and there was a 10,000 pickup in mining.

The service-producing sector, which has shown strong gains throughout most of the year, increased by 120,000 in November. Employment rose in services (50,000), State and local government (35,000), finance, insurance and real estate (25,000), and transportation and public utilities (25,000). Employment in retail trade declined.

Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls was 36.2 hours in November, seasonally adjusted, 0.1 hour longer than in October. The manufacturing workweek rose 0.3 hour to 40.1 hours, the second consecutive monthly increase. Overtime in manufacturing rose 0.2 hour to 3.1 hours in November. Both total and overtime hours in manufacturing returned to the levels prevailing earlier in the year.

The index of aggregate hours of private nonagricultural production or nonsupervisory workers increased to 112.1 in November (1967=100), reflecting increases

in both employment and hours. The index was 5.7 percent above the March and April 1975 recession low. In manufacturing, the index increased 1.5 percent over the month to 94.6, while there was a 9.2 percent increase from March 1975.

Hourly and weekly earnings

Average hourly earnings of private nonagricultural production or nonsupervisory workers rose 1.0 percent over the month (seasonally adjusted). Average weekly earnings rose 1.3 percent in November, as a result of higher hourly earnings combined with a slightly longer workweek.

Before adjustment for seasonality, average hourly earnings were \$5.00, up 3 cents from October. Hourly earnings were up 32 cents from November 1975. Average weekly earnings increased \$1.09 over the month to \$181.00 and have risen \$11.58 since November a year ago.

The hourly earnings index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 189.2 (1967=100) in November, 0.6 percent higher than in October. The index was 6.5 percent above November a year ago. During the 12-month period ended in October, the Hourly Earnings Index in dollars of constant purchasing power rose 1.3 percent.

Revision of Seasonally Adjusted Establishment Data

Kathleen M. Beall

This issue of Employment and Earnings introduces revised seasonal factors and seasonally adjusted data for the establishment-based series (See pages 122 to 143). These revised data replace those published in the October 1975 and subsequent issues of this publication. Two changes have been made: (1) The seasonal factors have been updated to take into account the experience of the most recent years; and (2) The procedure used for seasonally adjusting nine aggregated levels has been changed so that for all establishment based series the seasonally adjusted totals are now consistent with their seasonally adjusted components.

I. Revision of seasonal factors

In accordance with established practice, once each year the Bureau of Labor Statistics (BLS) revises the seasonal adjustment factors to take into account the experience of the most recent year of data. These revised seasonal factors and seasonally adjusted data, published in this issue, incorporate experience from January 1967 through August 1976. Following BLS policies, revisions of the seasonal factors were limited to the most recent five years.

The BLS utilizes an adaptation of the widely used ratio-to-moving average method for seasonally adjusting employment, weekly hours, hourly earnings, and labor turnover.¹ This method has a provision for "moving" adjustment factors to take into account changing seasonal patterns. After another year of data is added to a series, seasonal factors for the more recent years may change although the unadjusted data have remained unchanged. To take into account this added experience in the computation of seasonally adjusted data, the Bureau routinely revises seasonally adjusted data for the most recent five years.

Special procedures are used, where necessary, to take into account holidays and other calendar irregularities. The BLS uses special procedures to seasonally adjust the employment series for the transportation equipment industry to compensate for the shifting dates of automobile plant retooling during the summer months. Special adjustments for retail trade

have been used for many years in seasonally adjusting the employment series to compensate for the changing date of Easter. The Federal Government series is adjusted to remove the temporary postal workers hired at Christmas time. Seasonal factors in labor turnover reflect variation in the number of times a day of the week (Monday, for example) falls in one month. To eliminate this calendar irregularity, the Bureau uses "trading day" factors.

II. New seasonal adjustment procedures

Effective with the release of the November establishment-based data, the procedures used in seasonally adjusting establishment-based series have been changed. Under these new procedures, seasonally adjusted aggregate levels are consistent with their seasonally adjusted components.

This procedure had already been used for seasonally adjusting the employment series—all employees and production workers. Now it is used for establishment-based series including: Labor turnover, average weekly hours, and average hourly earnings.

Seasonally adjusted values for these series are now derived by taking a weighted average of their seasonally adjusted components—if the components are seasonally adjusted. This procedure replaces the former practice of seasonally adjusting major aggregate levels and rates directly. Following this article is a list of the nine series, for which the procedure has been changed, and their respective components.

For the aggregated series, which are changed by the new procedure, BLS is publishing revisions for the complete historical series. The seasonal adjustment factors for these series are not published, since the seasonally adjusted data are derived from the component series.

* Of the Division of Industry Employment Statistics, Office of Employment Structure and Trends, Bureau of Labor Statistics.

¹ For all establishment-based series, with the exception of the labor turnover series, the BLS Seasonal Factor Method is used. The Census Bureau's X-11 Method is used to adjust labor turnover incorporating a "trading day" factor adjustment.

III. Derivative series

There are five derivative series at the total private level for which revised data are published as a result of the updating of seasonal factors. They are (1) Spendable weekly earnings on a current dollar basis, (2) Spendable weekly earnings on a 1967 dollar basis, (3) Gross weekly earnings on a current dollar basis, (4) Gross weekly earnings on a 1967 dollar basis, and (5) Gross average hourly earnings on a 1967 dollar basis.

Although these series are not seasonally adjusted directly, they incorporate data—namely, total private seasonally adjusted hours and total private seasonally adjusted hourly earnings—which may have changed under the new seasonal adjustment procedures. To allow for any changes, either in the most recent five years or prior, we are publishing the revised data from January 1964 onward.

IV. Benchmark revisions

The BLS usually adjusts the levels of its establishment payroll series annually to reflect the most recent,

complete employment counts, called benchmarks (for March of each year). Benchmarks are compiled to a large extent from summaries of quarterly unemployment tax reports submitted by employers to their State Employment Security Agencies. The summaries are compiled at industry levels which are coded using the Standard Industrial Classification Manual. The SIC manual has been revised to reflect a 1972 structure of industry. This has caused delays in completion of tabulations and problems in compiling the necessary historical sequence to benchmark. Therefore, the national series will not be benchmarked to March 1975 levels. The next benchmark revision is scheduled for the fall of 1977, will be based on March 1976 data, and will also introduce the 1972 SIC coding structure. An interim revision is scheduled for early 1977, however, to adjust for recognized discrepancies in certain sectors, such as contract construction, trade, services, and State and local government. This adjustment is necessary because the establishment sample has failed to reflect the trend from July 1975 to the present. These corrections will be based on the 1967 SIC coding structure as are the current data.

Aggregated series and components²

Labor turnover

Total accessions* (Revised 1951)

New hires

Other

Total separations* (Revised from 1930)

Quits

Layoffs

Other

Average weekly hours

Total private* (Revised from 1964)

Mining

Contract construction

Manufacturing* (Revised from 1947)

Durable goods* (Revised from 1947)

Ordnance and accessories

Lumber and wood products

Furniture and fixtures

Stone, clay, and glass products

Primary metal industries

Fabricated metal products

Machinery, except electrical

Electrical equipment and supplies

Transportation equipment

Instruments and related products

Miscellaneous manufacturing, ind.

Nondurable goods* (Revised from 1947)

Food and kindred products

Tobacco manufactures

Textile mill products

Apparel and other textile products

Paper and allied products

Printing and publishing

Chemical and allied products

Petroleum and coal products

Rubber and plastics products, nec

Leather and leather products

Transportation and public utilities

Wholesale and retail trade* (Revised from 1964)

Wholesale trade

Retail trade

Finance, insurance, and real estate

Services

² The aggregated series (indicated by an *) are no longer seasonally adjusted directly but are the weighted average of their seasonally adjusted components. The date listed with each aggregated level refers to the beginning date of its revised seasonally adjusted historical data. The complete historical series was revised due to the procedural change.

Average weekly overtime hours
 Manufacturing* (Revised from 1956)
 Durable goods
 Nondurable goods
Average hourly earnings
 Total private* (Revised from 1964)
 Mining

Contract construction
 Manufacturing
 Transportation and public utilities
 Wholesale and retail trade
 Finance, insurance, and real estate
 Services

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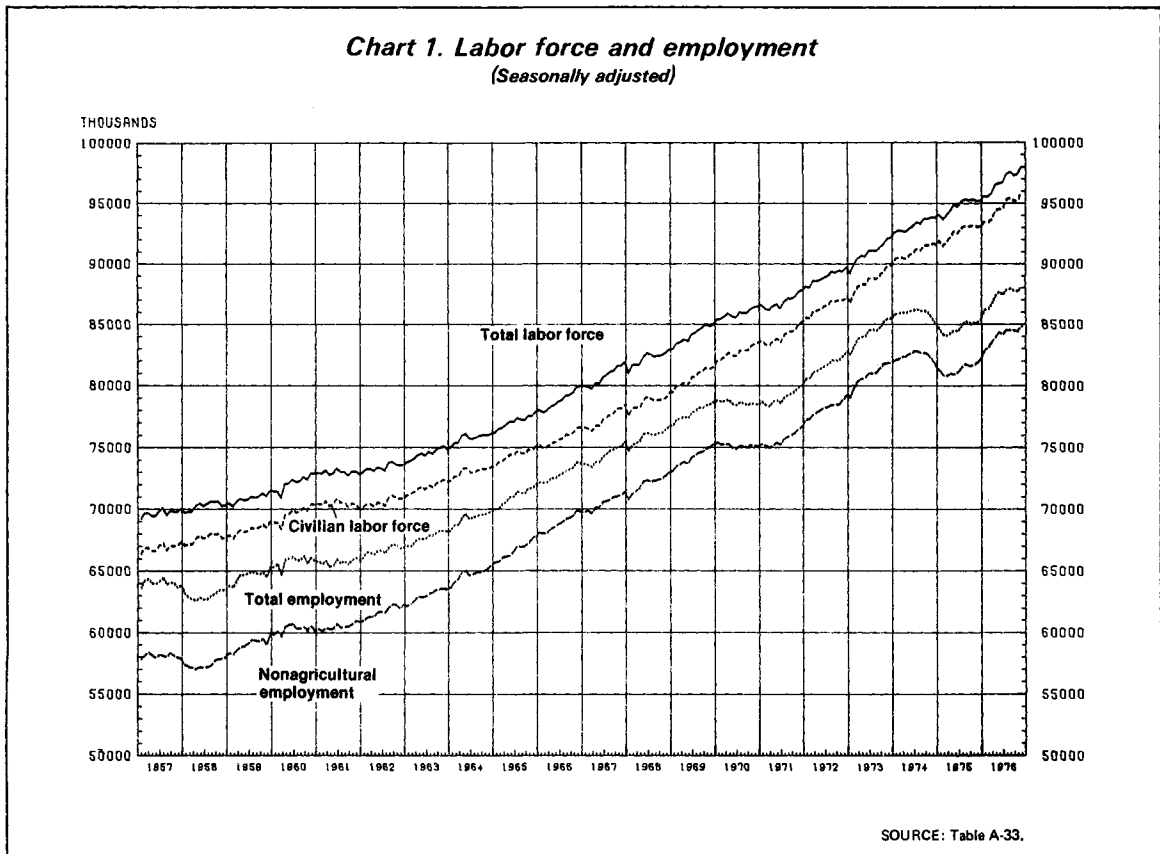
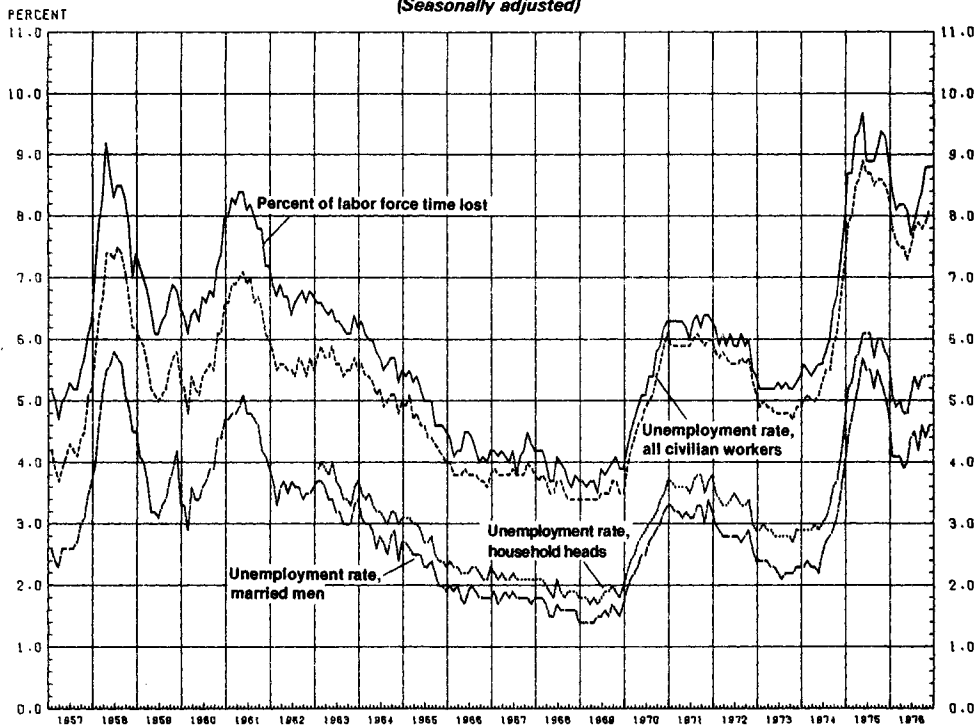


Chart 2. Major unemployment indicators

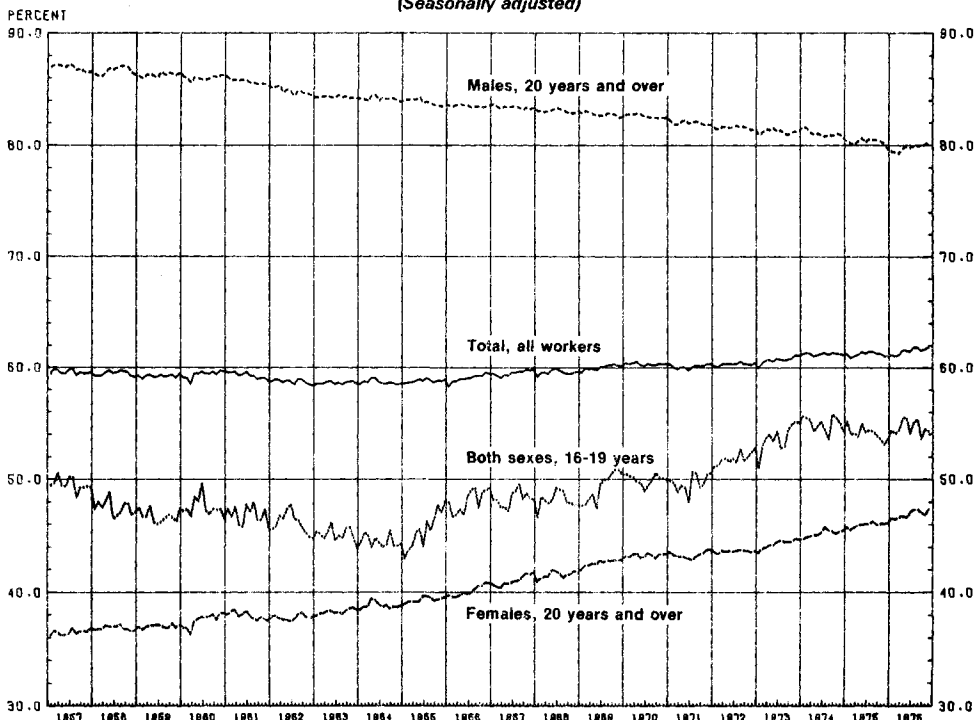
(Seasonally adjusted)



SOURCE: Table A-36.

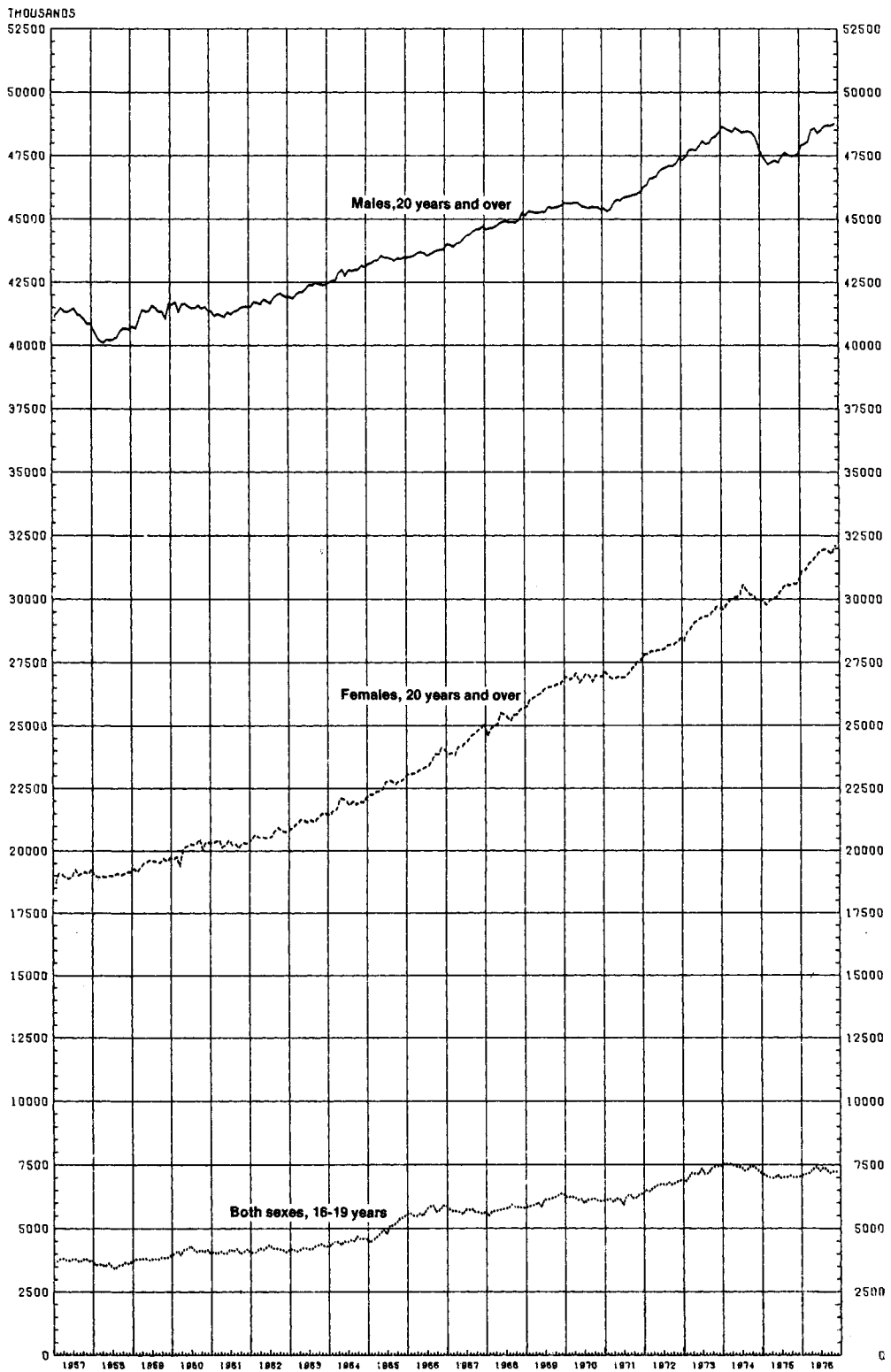
Chart 3. Civilian labor force participation rates by sex and age

(Seasonally adjusted)



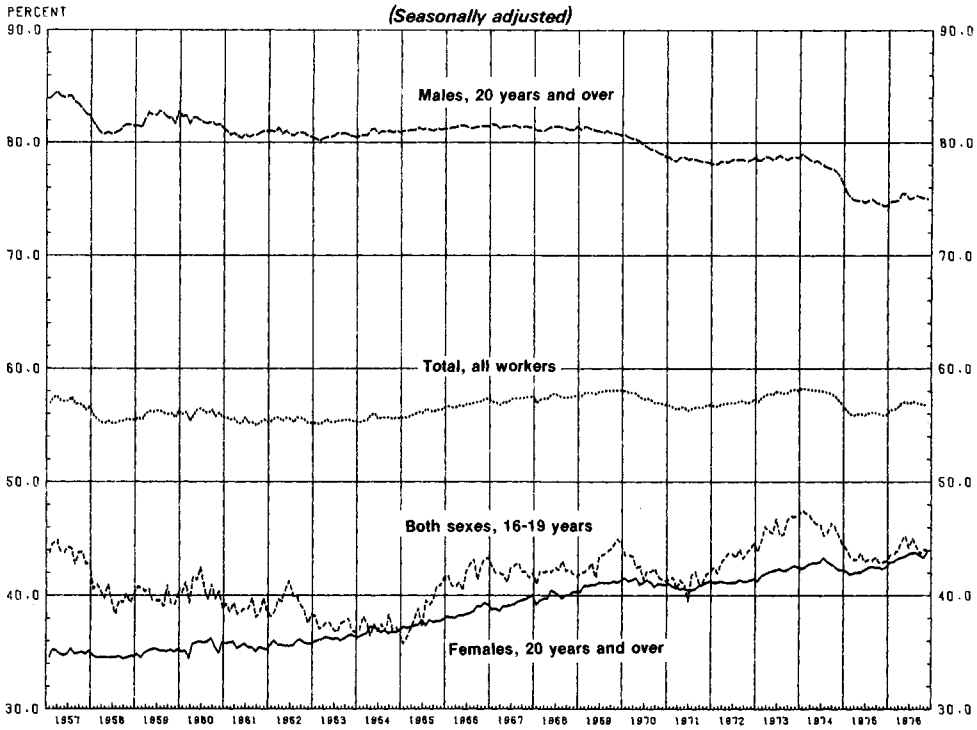
SOURCE: Table A-33.

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



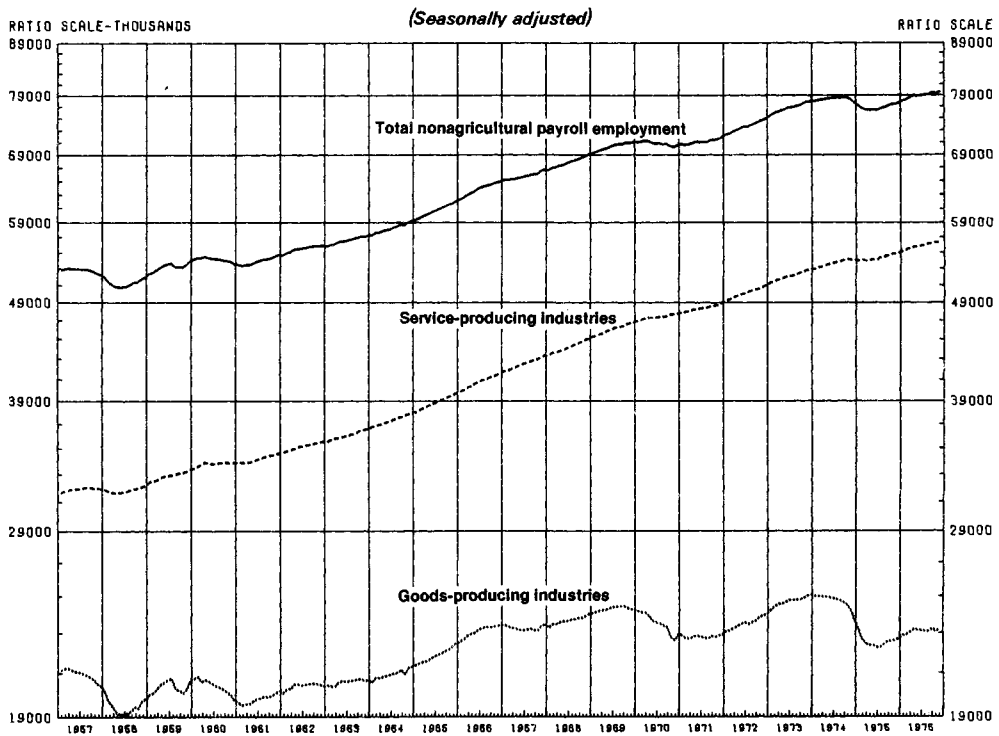
SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age



SOURCE: Table A-33.

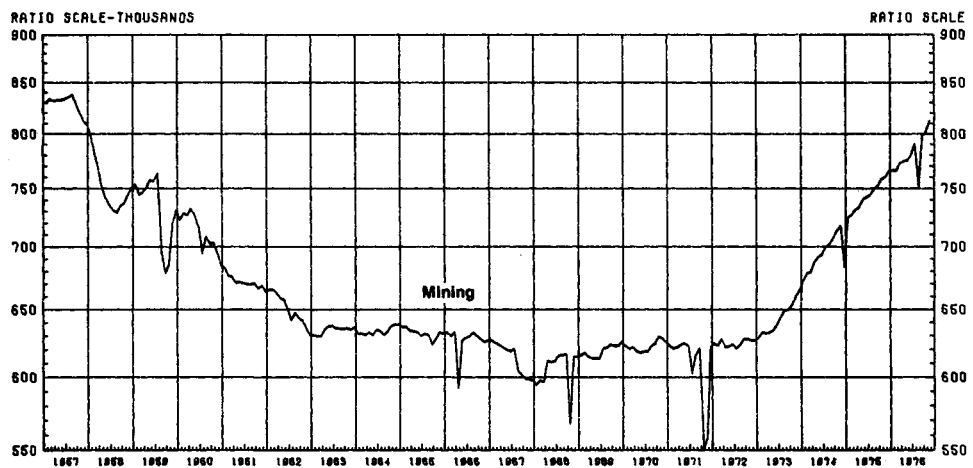
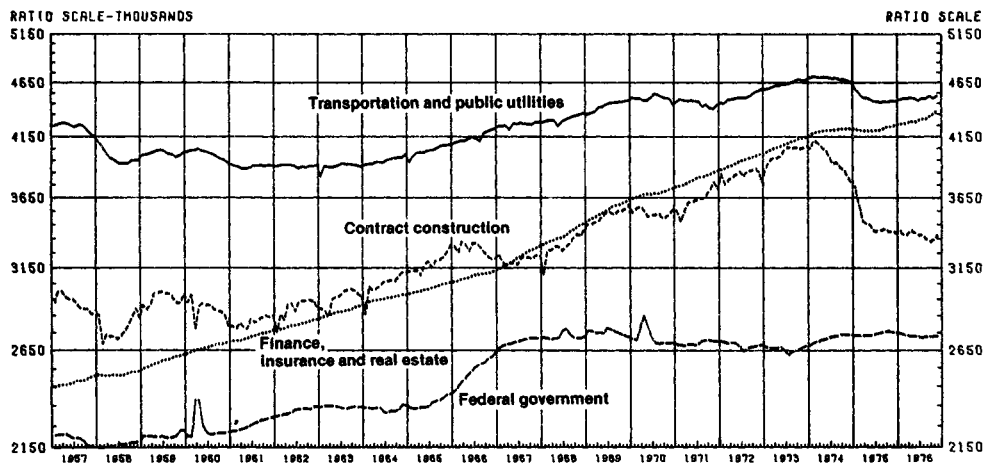
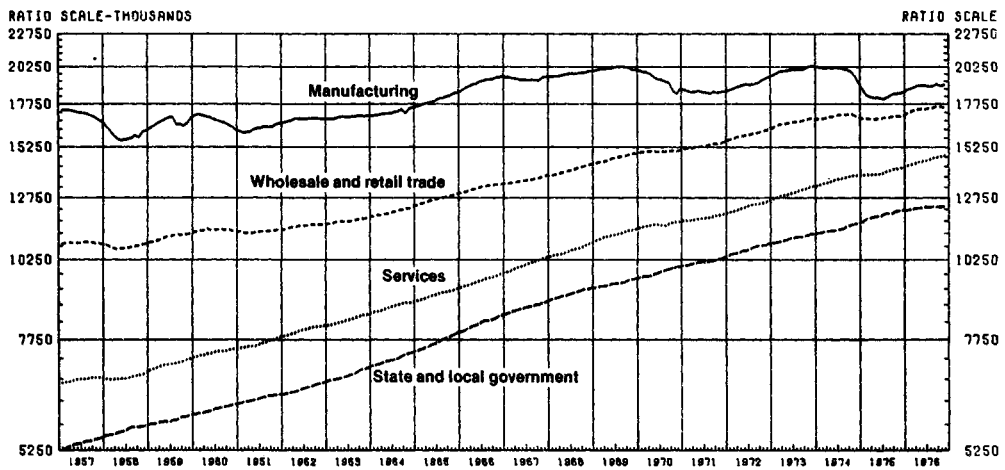
Chart 6. Payroll employment in goods- and service-producing industries



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

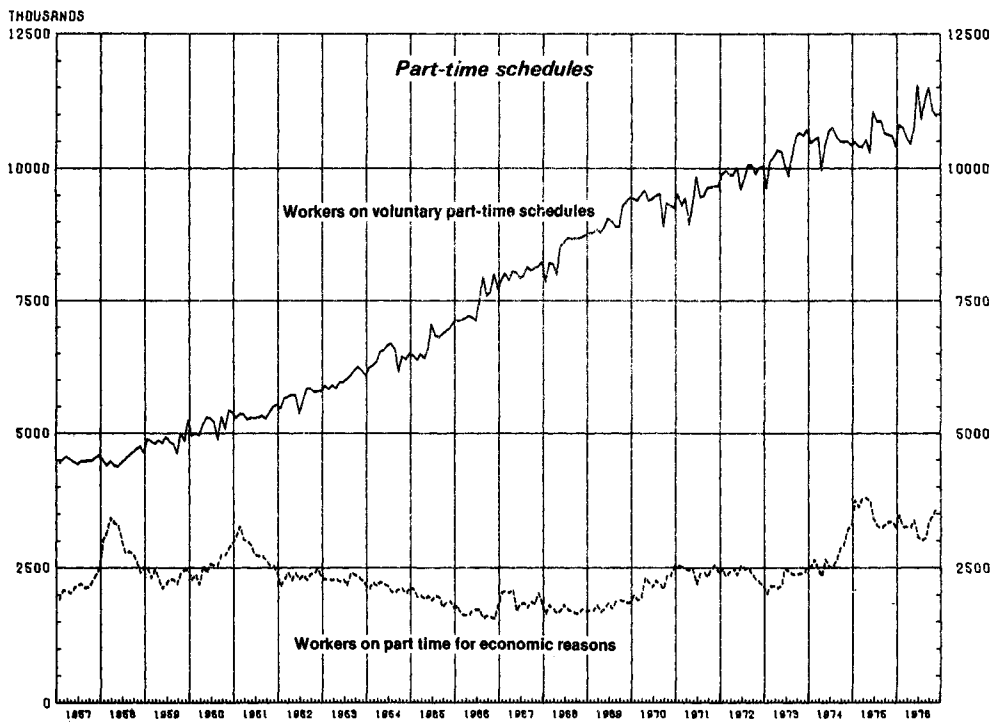
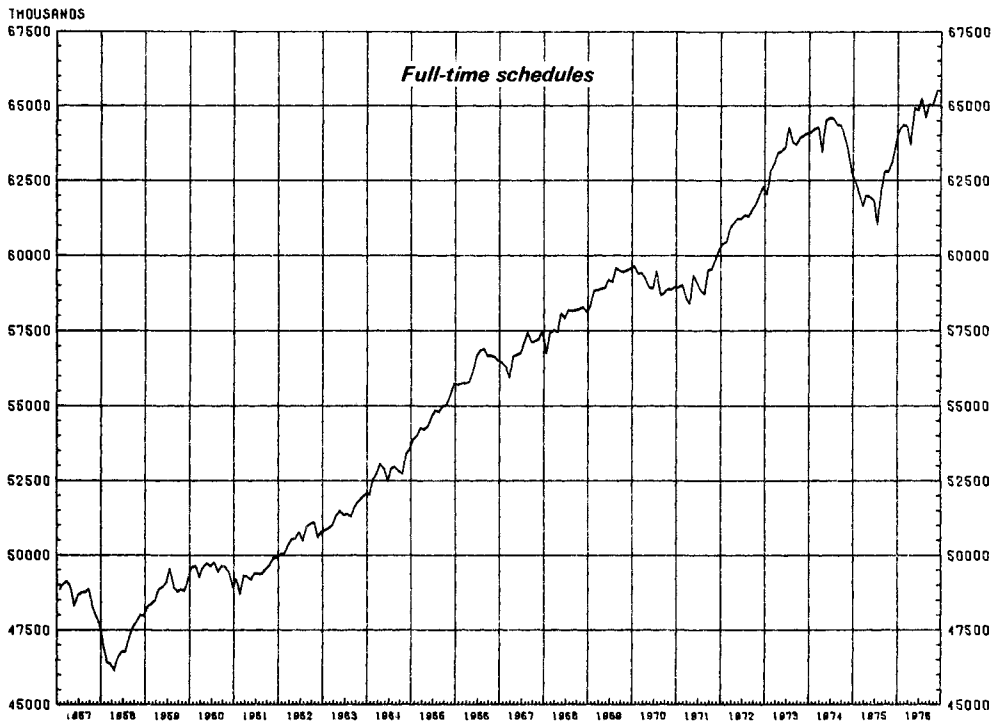
Chart 7. Nonagricultural payroll employment by industry
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

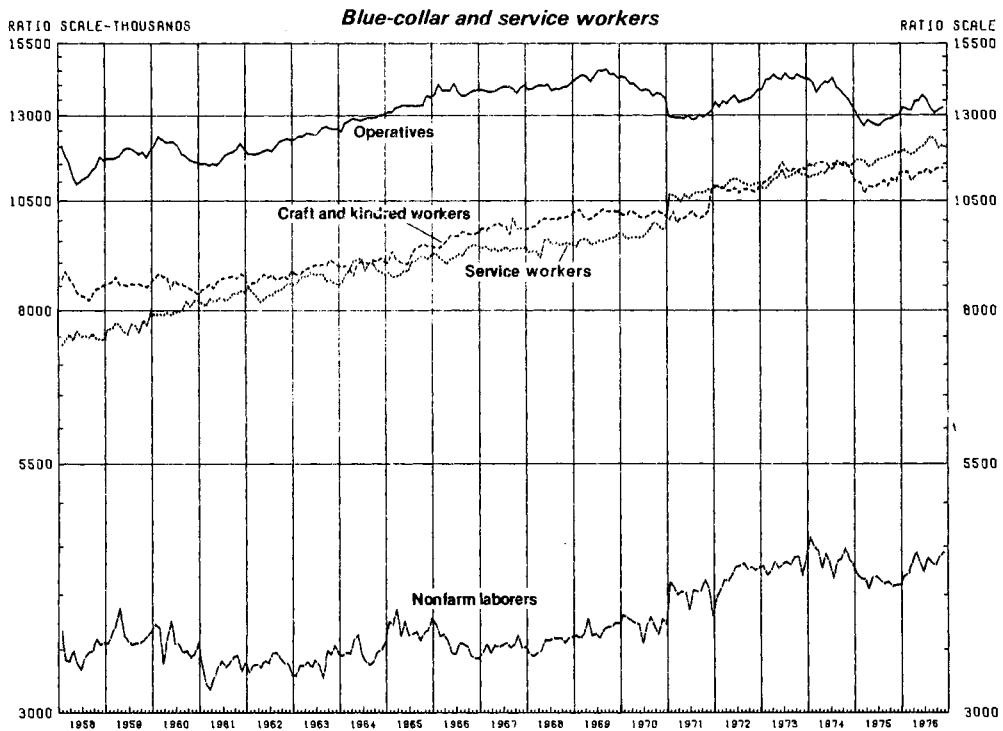
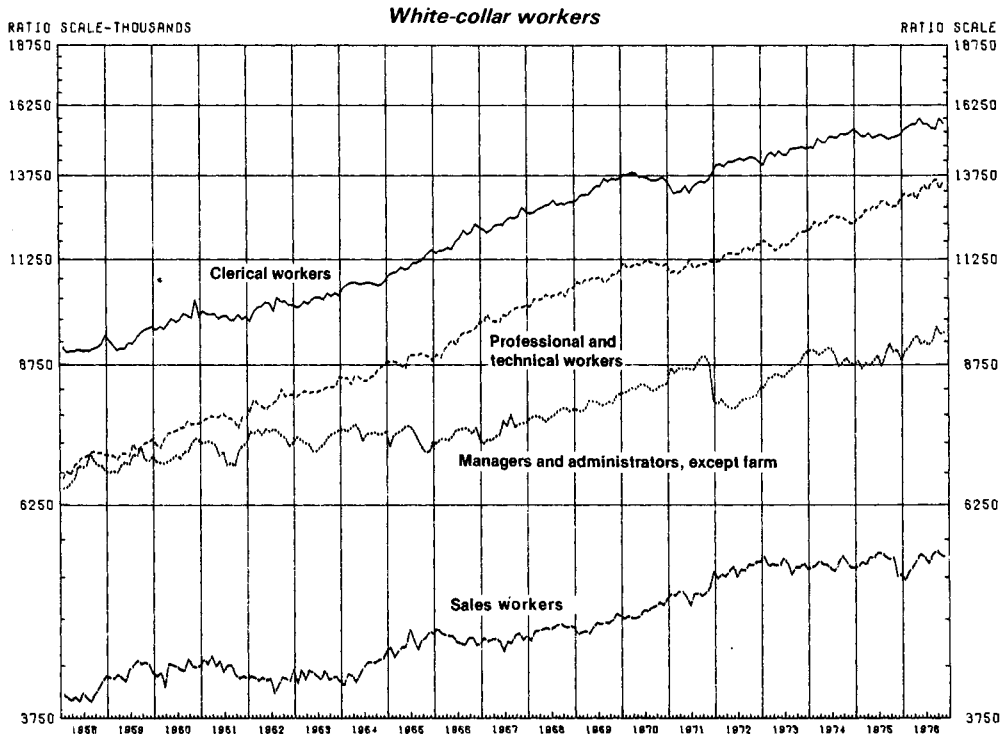
SOURCE: Table B-6.

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



SOURCE: Table A-41.

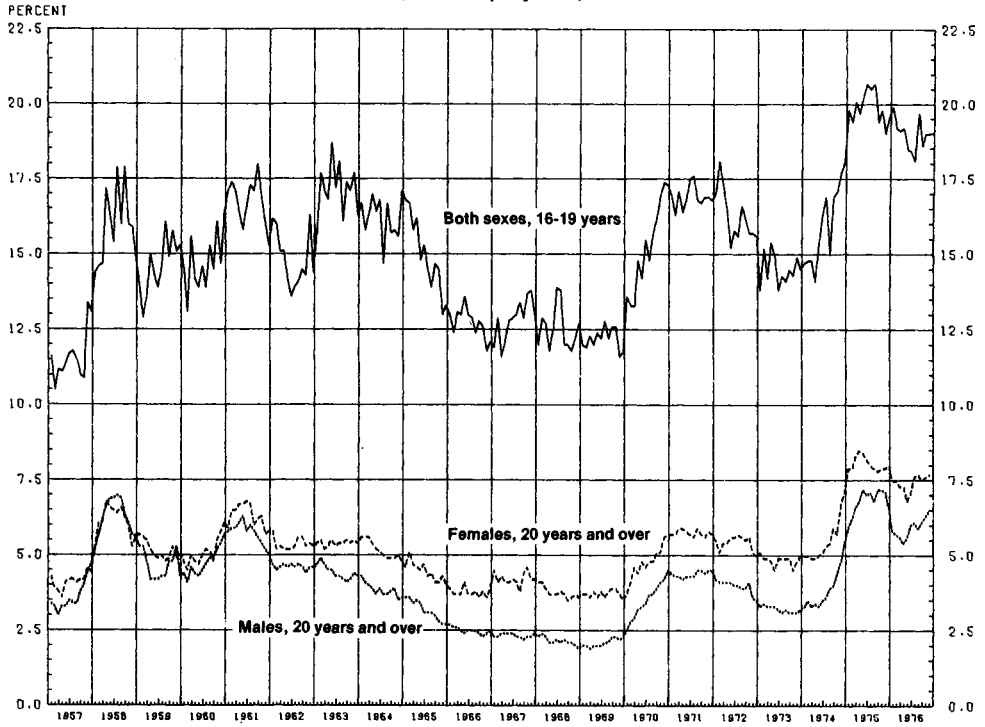
Chart 9. Employment in nonfarm occupations
(Seasonally adjusted)



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.

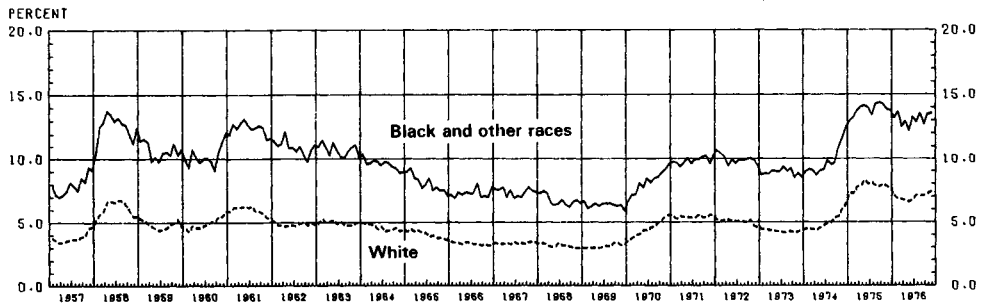
SOURCE: Table A-41.

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

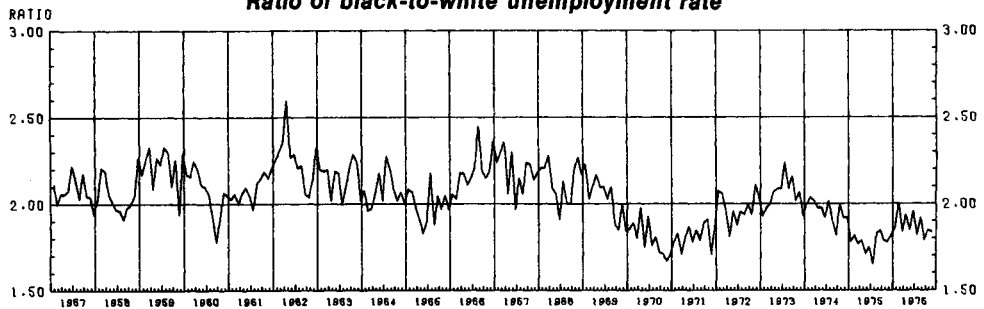


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)

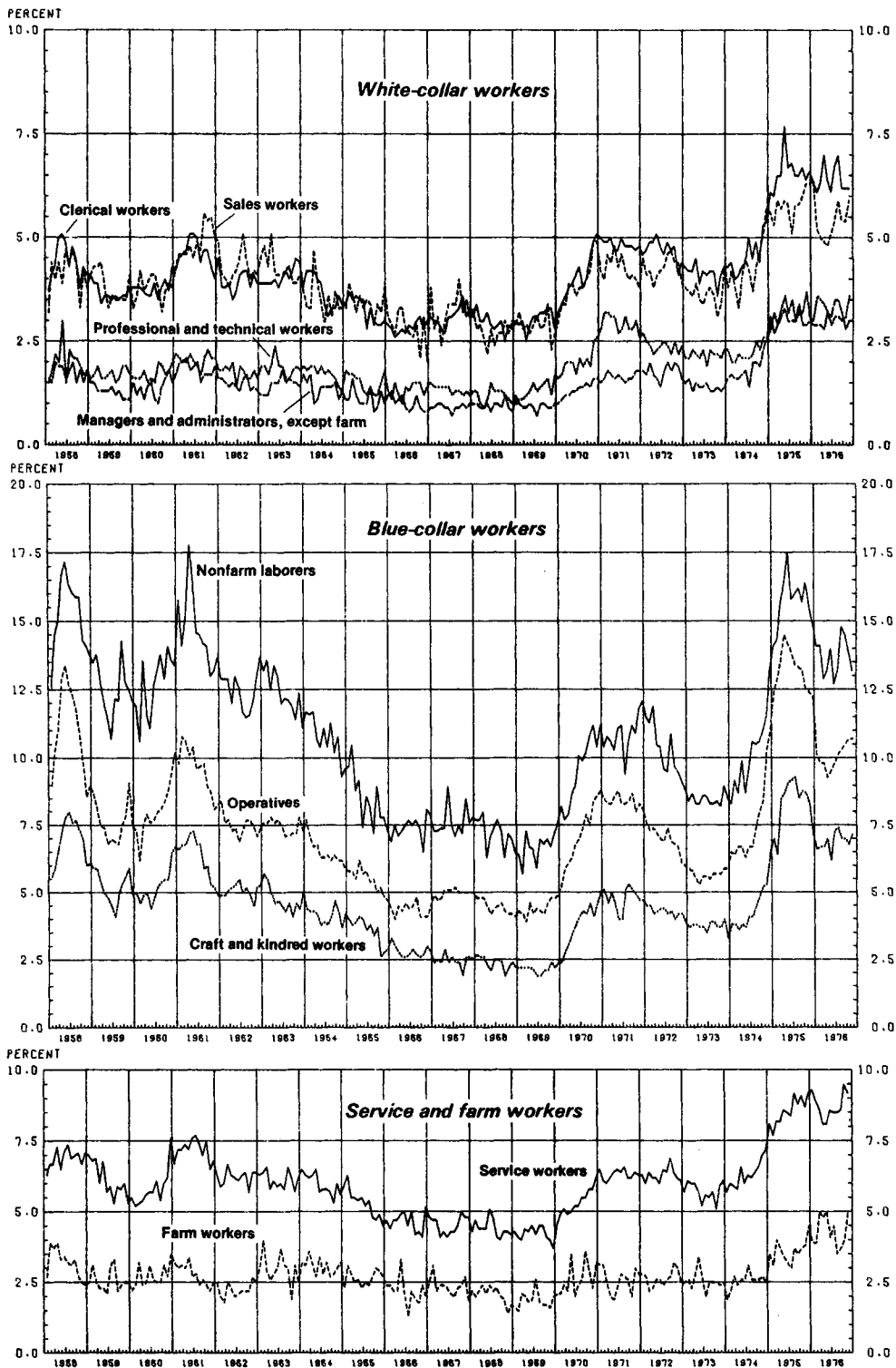


Ratio of black-to-white unemployment rate



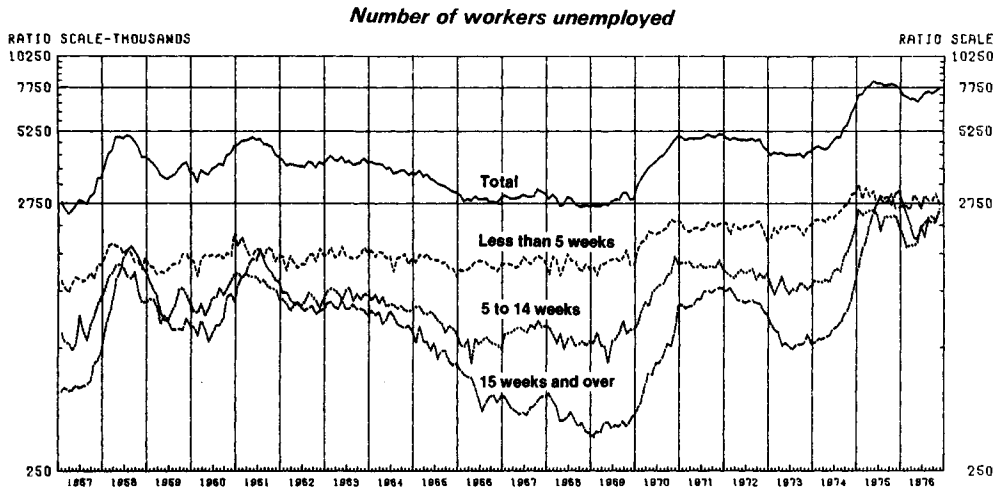
SOURCE: Table A-35.

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



SOURCE: Table A-36.

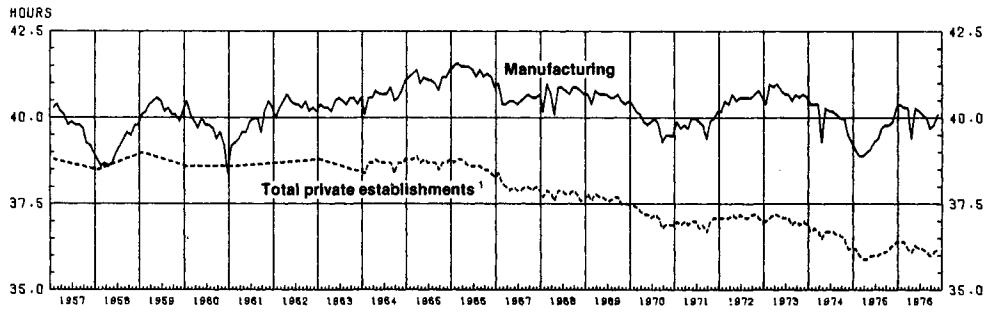
Chart 13. Duration of unemployment
(Seasonally adjusted)



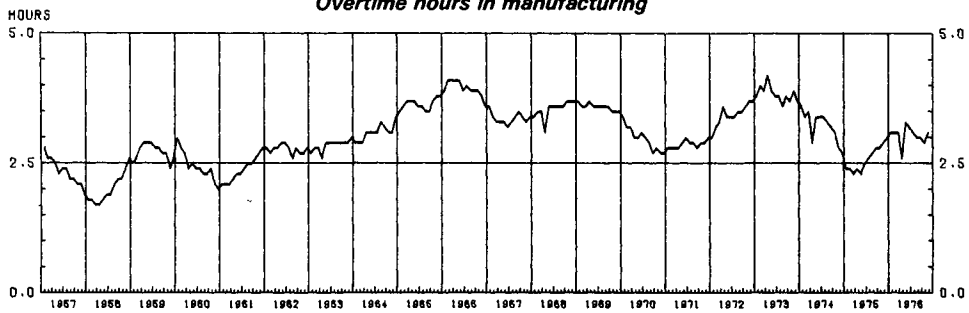
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing

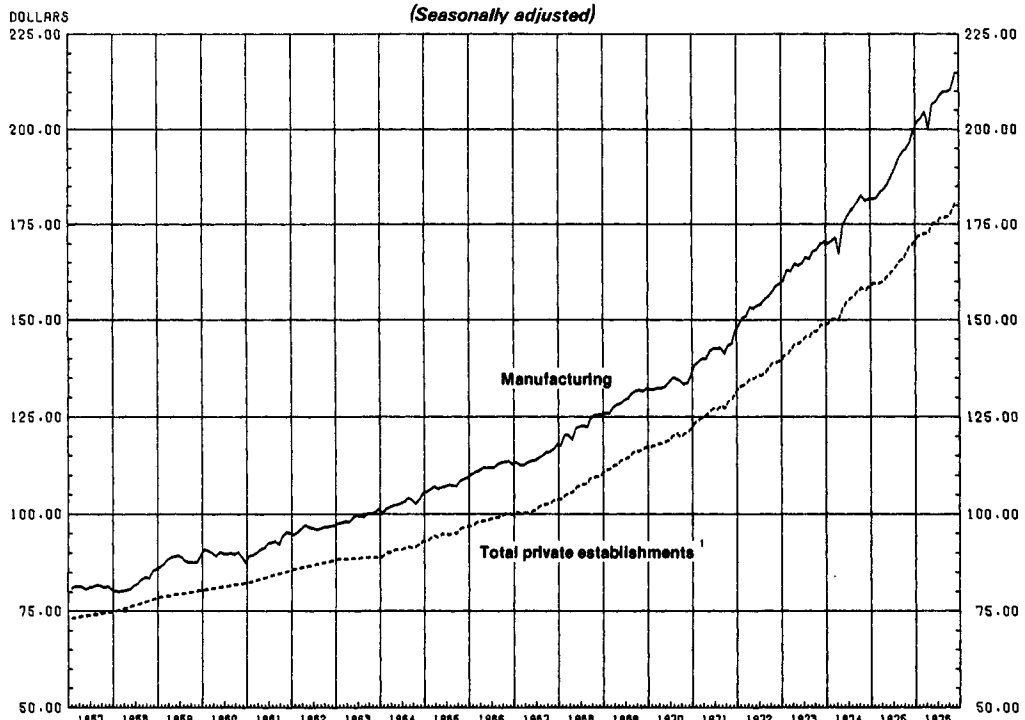


¹ Annual averages prior to 1964.
NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

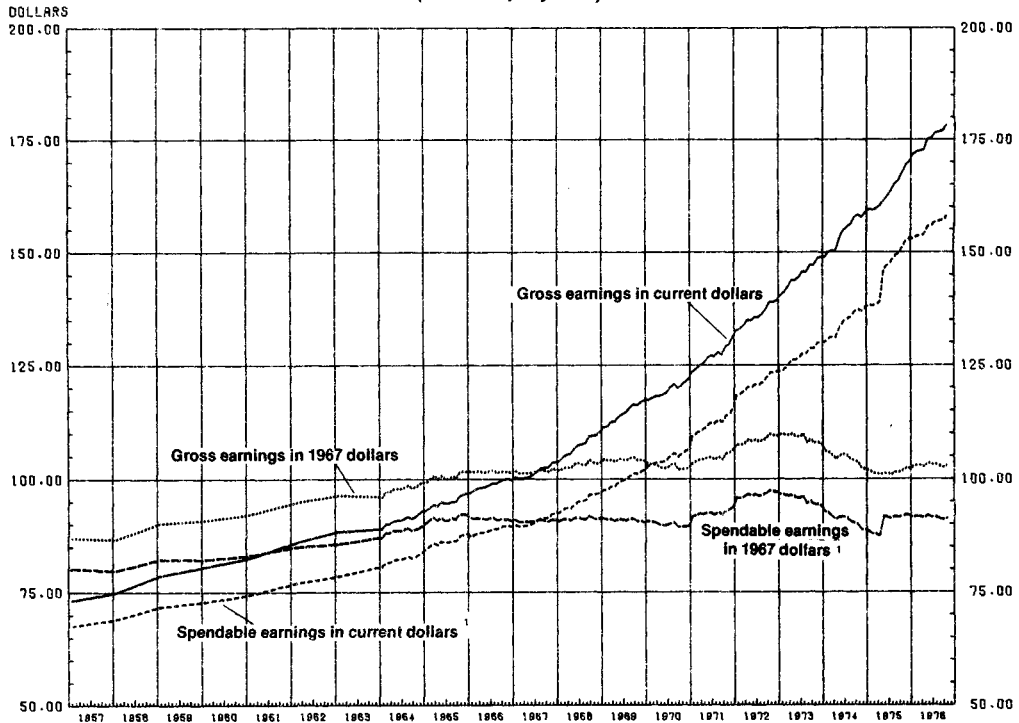
(Seasonally adjusted)



¹ Annual averages prior to 1964.
NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

Chart 16. Total private gross and spendable weekly earnings
(Seasonally adjusted)

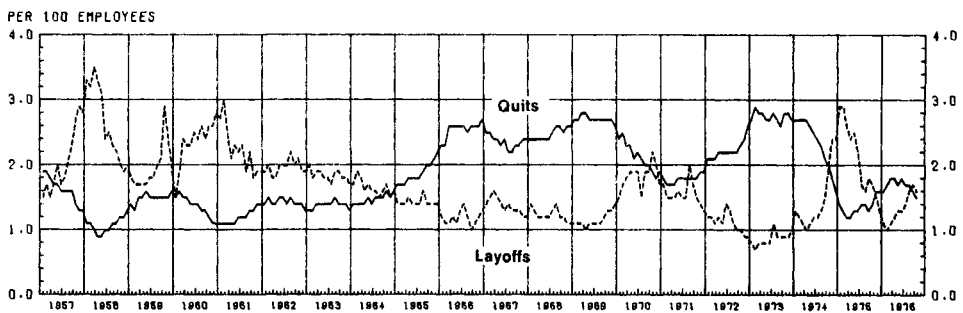
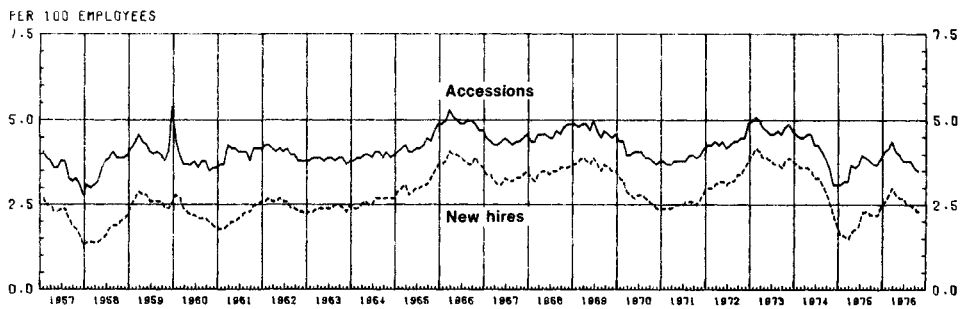


¹ Worker with three dependents.

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

SOURCE: Table C-8.

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



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

HOUSEHOLD DATA HISTORICAL

A-1. Employment status of the noninstitutional population, 1929 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	
Persons 14 years of age and over										
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over										
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 ²	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 ²	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 ²	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ²	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ²	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: November.....	157,006	97,786	62.3	95,637	88,542	3,081	85,460	7,095	7.4	59,220

¹ Not available.

² Not strictly comparable with prior years due to the introduction of population adjustments

in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory notes.

HOUSEHOLD DATA HISTORICAL

A-2. Employment status of the noninstitutional population, 16 years and over by sex, 1947 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										
1947.....	50,968	44,258	86.8	42,686	40,995	6,643	34,352	1,692	4.0	6,710
1948.....	51,439	44,729	87.0	43,286	41,725	6,358	35,367	1,559	3.6	6,710
1949.....	51,922	45,097	86.9	43,498	40,925	6,343	34,583	2,572	5.9	6,825
1950.....	52,352	45,446	86.8	43,819	41,578	6,002	35,576	2,239	5.1	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,534	36,246	1,221	2.8	6,725
1952.....	53,248	46,416	87.2	42,869	41,682	5,390	36,293	1,185	2.8	6,832
1953.....	54,248	47,131	86.9	43,633	42,430	5,253	37,177	1,202	2.8	7,117
1954.....	54,706	47,275	86.4	43,965	41,619	5,200	36,418	2,344	5.3	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,356	1,854	4.2	7,634
1956.....	55,547	47,914	86.3	45,091	43,379	5,040	38,339	1,711	3.8	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.2	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	11,792
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: November.....	75,198	58,408	77.7	56,368	52,544	2,531	50,013	3,824	6.8	16,790
FEMALES										
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	35,767
1948.....	53,088	17,351	32.7	17,335	16,617	1,271	15,346	717	4.1	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,315	15,409	1,065	6.0	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,181	1,049	5.7	35,881
1951.....	54,933	19,054	34.7	19,016	18,181	1,193	16,988	834	4.4	35,879
1952.....	55,575	19,314	34.8	19,269	18,568	1,111	17,458	698	3.6	36,261
1953.....	56,353	19,429	34.5	19,382	18,749	1,006	17,743	632	3.3	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	37,247
1955.....	57,610	20,584	35.7	20,548	19,551	1,184	18,366	998	4.9	37,026
1956.....	58,264	21,495	36.9	21,461	20,419	1,244	19,175	1,039	4.8	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972.....	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973.....	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976: November.....	81,808	39,378	48.1	39,269	35,998	551	35,448	3,270	8.3	42,430

¹ 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	November 1976										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	58,408	77.7	56,368	52,544	3,824	6.8	16,790	276	4,735	1,796	9,982
16 to 21 years	8,245	65.1	7,520	6,184	1,336	17.8	4,414	13	3,965	32	404
16 to 19 years	4,866	57.3	4,524	3,613	912	20.2	3,632	9	3,316	15	292
16 to 17 years	1,883	44.5	1,849	1,430	419	22.7	2,352	2	2,241	2	107
18 to 19 years	2,983	70.0	2,675	2,182	493	18.4	1,281	7	1,075	13	185
20 to 64 years	51,716	89.7	50,018	47,198	2,819	5.6	5,942	100	1,417	1,273	3,151
20 to 24 years	8,453	86.0	7,695	6,813	882	11.5	1,376	6	1,078	54	238
25 to 54 years	36,264	94.4	35,325	33,663	1,663	4.7	2,145	51	336	673	1,084
25 to 29 years	8,296	94.9	7,916	7,343	573	7.2	450	5	220	57	169
30 to 34 years	6,916	96.6	6,685	6,384	301	4.5	244	8	51	62	123
35 to 39 years	5,598	96.1	5,401	5,174	227	4.2	228	6	24	74	124
40 to 44 years	5,131	95.0	5,038	4,873	165	3.3	269	9	18	102	140
45 to 49 years	5,238	93.6	5,206	5,002	204	3.9	359	9	13	152	184
50 to 54 years	5,086	89.5	5,079	4,885	194	3.8	595	14	10	226	345
55 to 64 years	6,998	74.3	6,997	6,723	274	3.9	2,421	43	3	545	1,829
55 to 59 years	4,254	83.1	4,253	4,102	151	3.5	863	22	2	301	539
60 to 64 years	2,744	63.8	2,744	2,621	123	4.5	1,558	22	1	245	1,290
65 years and over	1,826	20.2	1,826	1,733	94	5.1	7,216	167	2	508	6,539
65 to 69 years	1,059	29.4	1,059	999	60	5.7	2,540	42	3	185	2,310
70 years and over	767	14.1	767	734	34	4.4	4,675	125	--	322	4,229
White											
16 years and over	52,150	78.4	50,459	47,366	3,093	6.1	14,338	236	3,845	1,446	8,811
16 to 21 years	7,255	67.1	6,659	5,605	1,054	15.8	3,553	8	3,210	24	311
16 to 19 years	4,336	59.9	4,049	3,299	751	18.5	2,901	6	2,654	14	227
16 to 17 years	1,728	48.1	1,699	1,329	370	21.8	1,861	1	1,778	1	82
18 to 19 years	2,608	71.5	2,351	1,970	381	16.2	1,040	6	876	13	145
20 to 64 years	46,159	90.3	44,754	42,488	2,267	5.1	4,934	82	1,191	1,018	2,642
20 to 24 years	7,369	86.6	6,760	6,082	679	10.0	1,136	3	918	33	182
25 to 54 years	32,383	95.1	31,587	30,245	1,343	4.3	1,668	44	271	523	829
25 to 34 years	13,520	96.2	13,006	12,312	694	5.3	527	10	216	84	218
35 to 44 years	9,553	96.2	9,306	8,984	322	3.5	374	15	36	137	186
45 to 54 years	9,310	92.4	9,275	8,947	328	3.5	766	20	19	302	425
55 to 64 years	6,408	75.0	6,406	6,162	244	3.8	2,130	35	2	463	1,631
55 to 59 years	3,887	84.0	3,886	3,756	130	3.3	743	17	1	256	469
60 to 64 years	2,520	64.5	2,520	2,405	115	4.6	1,388	18	1	207	1,162
65 years and over	1,656	20.3	1,656	1,579	76	4.6	6,503	147	--	414	5,942
Black and other											
16 years and over	6,258	71.8	5,909	5,178	731	12.4	2,452	40	890	351	1,171
16 to 21 years	990	53.5	861	579	282	32.8	861	4	755	8	93
16 to 19 years	531	42.1	475	314	161	33.9	731	3	662	1	65
16 to 17 years	156	24.1	151	101	50	32.9	490	1	463	1	25
18 to 19 years	375	60.9	324	212	112	34.4	241	2	199	--	40
20 to 64 years	5,556	84.6	5,263	4,711	553	10.5	1,008	18	226	255	509
20 to 24 years	1,084	81.8	935	732	203	21.7	241	3	160	22	56
25 to 54 years	3,881	89.0	3,738	3,418	320	8.6	477	6	65	150	256
25 to 34 years	1,691	91.0	1,594	1,415	180	11.3	167	3	55	35	73
35 to 44 years	1,176	90.6	1,133	1,063	70	6.2	122	--	6	39	77
45 to 54 years	1,014	84.4	1,010	940	70	6.9	188	3	4	76	104
55 to 64 years	591	67.0	591	561	30	5.0	290	8	1	83	198
55 to 59 years	367	75.4	367	346	21	5.7	120	5	1	45	69
60 to 64 years	224	56.8	224	215	8	3.8	170	4	--	38	129
65 years and over	171	19.3	171	153	17	10.2	713	20	2	94	597

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

[Numbers in thousands]

Sex, age, and race	November 1976										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	39,378	48.1	39,269	35,998	3,270	8.3	42,430	33,556	4,681	900	3,292
16 to 21 years	6,663	53.8	6,614	5,556	1,057	16.0	5,731	1,448	3,990	19	274
16 to 19 years	4,060	48.8	4,041	3,315	726	18.0	4,257	724	3,319	14	200
16 to 17 years	1,625	39.5	1,624	1,284	341	21.0	2,483	156	2,207	8	112
18 to 19 years	2,436	57.9	2,417	2,031	386	16.0	1,773	567	1,112	6	88
20 to 64 years	34,235	56.6	34,144	31,654	2,490	7.3	26,297	23,207	1,353	355	1,382
20 to 24 years	6,454	65.9	6,394	5,661	733	11.5	3,341	2,208	956	13	164
25 to 54 years	23,419	58.3	23,389	21,837	1,552	6.6	16,768	15,520	382	164	702
25 to 29 years	5,441	61.1	5,421	4,971	450	8.3	3,459	3,134	177	14	134
30 to 34 years	4,150	56.4	4,145	3,818	327	7.9	3,212	3,009	74	22	107
35 to 39 years	3,574	58.2	3,572	3,337	235	6.6	2,570	2,403	54	17	97
40 to 44 years	3,449	60.6	3,448	3,263	185	5.4	2,242	2,103	26	26	88
45 to 49 years	3,443	58.1	3,442	3,253	189	5.5	2,480	2,307	30	41	102
50 to 54 years	3,361	54.5	3,361	3,196	165	4.9	2,804	2,562	23	45	174
55 to 64 years	4,362	41.3	4,362	4,156	206	4.7	6,188	5,478	15	179	516
55 to 59 years	2,760	49.0	2,760	2,623	137	5.0	2,869	2,574	11	93	191
60 to 64 years	1,602	32.5	1,602	1,533	68	4.3	3,319	2,904	4	86	325
65 years and over	1,083	8.4	1,083	1,029	54	5.0	11,876	9,626	9	531	1,710
65 to 69 years	729	16.0	729	690	39	5.4	3,836	3,306	--	80	451
70 years and over	355	4.2	355	339	15	4.3	8,040	6,320	9	451	1,259
White											
16 years and over	34,201	47.7	34,111	31,512	2,599	7.6	37,429	30,035	3,777	729	2,887
16 to 21 years	5,922	56.4	5,881	5,057	824	14.0	4,576	1,162	3,204	17	193
16 to 19 years	3,655	52.0	3,639	3,068	571	15.7	3,379	580	2,651	12	136
16 to 17 years	1,489	43.0	1,488	1,217	272	18.3	1,972	131	1,754	6	80
18 to 19 years	2,166	60.6	2,150	1,851	299	13.9	1,407	449	897	6	56
20 to 64 years	29,599	56.0	29,525	27,549	1,977	6.7	23,213	20,634	1,117	266	1,195
20 to 24 years	5,589	67.0	5,540	4,995	545	9.8	2,757	1,821	793	10	132
25 to 54 years	20,123	57.6	20,099	18,856	1,242	6.2	14,830	13,806	310	117	598
25 to 34 years	8,121	57.9	8,100	7,505	595	7.3	5,913	5,500	192	26	196
35 to 44 years	6,009	58.7	6,007	5,658	348	5.8	4,225	3,964	71	26	164
45 to 54 years	5,992	56.1	5,992	5,693	299	5.0	4,692	4,341	48	65	238
55 to 64 years	3,886	40.9	3,886	3,696	190	4.9	5,626	5,007	15	140	465
55 to 59 years	2,459	48.6	2,459	2,336	124	5.0	2,606	2,357	11	70	168
60 to 64 years	1,427	32.1	1,427	1,361	66	4.6	3,020	2,650	4	69	297
65 years and over	947	8.0	947	895	52	5.5	10,836	8,822	9	450	1,556
Black and other											
16 years and over	5,177	50.9	5,158	4,487	671	13.0	5,002	3,521	904	172	405
16 to 21 years	741	39.1	733	499	233	31.8	1,155	286	786	2	81
16 to 19 years	405	31.6	402	247	156	38.7	878	144	668	2	64
16 to 17 years	136	21.0	136	67	69	50.7	511	25	453	2	31
18 to 19 years	270	42.4	267	180	87	32.6	367	119	215	--	32
20 to 64 years	4,636	60.1	4,619	4,106	513	11.1	3,085	2,573	236	89	187
20 to 24 years	865	59.7	853	666	188	22.0	585	387	163	3	31
25 to 54 years	3,295	63.0	3,290	2,981	309	9.4	1,938	1,714	72	47	105
25 to 34 years	1,470	66.0	1,466	1,284	182	12.4	758	643	59	10	45
35 to 44 years	1,014	63.3	1,013	941	72	7.1	588	543	9	16	21
45 to 54 years	811	57.8	811	756	56	6.8	592	528	5	21	38
55 to 64 years	475	45.8	475	460	16	3.4	562	471	--	39	51
55 to 59 years	301	53.4	301	287	14	4.5	263	217	--	23	23
60 to 64 years	175	36.9	175	172	2	1.3	299	254	--	16	28
65 years and over	136	11.6	136	134	2	1.6	1,039	804	--	81	154

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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	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
MALES								
16 years and over	57,276	58,408	77.4	77.7	55,215	56,368	76.8	77.0
16 to 19 years	4,757	4,866	56.3	57.3	4,409	4,524	54.4	55.5
16 to 17 years	1,860	1,883	43.9	44.5	1,826	1,849	43.5	44.0
18 to 19 years	2,897	2,983	68.8	70.0	2,582	2,675	66.2	67.6
20 to 24 years	8,026	8,453	83.4	86.0	7,251	7,695	81.9	84.8
25 to 54 years	35,699	36,264	94.5	94.4	34,764	35,325	94.3	94.3
25 to 34 years	14,649	15,212	95.4	95.6	14,050	14,601	95.2	95.5
35 to 44 years	10,578	10,729	95.5	95.6	10,280	10,439	95.4	95.5
45 to 54 years	10,473	19,324	92.3	91.5	10,434	10,285	92.2	91.5
55 to 64 years	6,949	6,998	74.9	74.3	6,947	6,997	74.9	74.3
55 to 59 years	4,196	4,254	83.9	83.1	4,194	4,253	83.9	83.1
60 to 64 years	2,753	2,744	64.5	63.8	2,753	2,744	64.4	63.8
65 years and over	1,845	1,826	20.8	20.2	1,845	1,826	20.8	20.2
White								
16 years and over	51,202	52,150	78.2	78.4	49,481	50,459	77.6	77.9
16 to 19 years	4,261	4,336	59.1	59.9	3,970	4,049	57.4	58.3
16 to 17 years	1,723	1,728	47.9	48.1	1,693	1,699	47.4	47.7
18 to 19 years	2,538	2,608	70.3	71.5	2,277	2,351	68.0	69.3
20 to 24 years	6,999	7,369	83.8	86.6	6,370	6,760	82.5	85.6
25 to 54 years	31,924	32,383	95.1	95.1	31,124	31,587	95.0	95.0
25 to 34 years	13,040	13,520	96.0	96.2	12,530	13,006	95.8	96.1
35 to 44 years	9,437	9,553	96.2	96.2	9,183	9,306	96.1	96.1
45 to 54 years	9,447	9,310	93.0	92.4	9,411	9,275	92.9	92.4
55 to 64 years	6,353	6,408	75.6	75.0	6,351	6,406	75.6	75.0
55 to 59 years	3,835	3,887	84.6	84.0	3,834	3,886	84.6	84.0
60 to 64 years	2,517	2,520	65.0	64.5	2,517	2,520	65.0	64.5
65 years and over	1,666	1,656	20.8	20.3	1,666	1,656	20.8	20.3
Black and other								
16 years and over	6,074	6,258	71.7	71.8	5,735	5,909	70.5	70.7
16 to 19 years	497	531	40.0	42.1	439	475	37.1	39.4
16 to 17 years	138	156	21.6	24.1	134	151	21.1	23.5
18 to 19 years	359	375	59.5	60.9	305	324	55.5	57.3
20 to 24 years	1,027	1,084	80.5	81.8	881	935	78.0	79.5
25 to 54 years	3,776	3,881	89.1	89.0	3,640	3,738	88.8	88.7
25 to 34 years	1,609	1,691	90.6	91.0	1,520	1,594	90.1	90.5
35 to 44 years	1,140	1,176	89.6	90.6	1,097	1,133	89.3	90.3
45 to 54 years	1,026	1,014	86.3	84.4	1,022	1,010	86.3	84.3
55 to 64 years	596	591	68.6	67.0	596	591	68.5	67.0
55 to 59 years	360	367	77.0	75.4	360	367	77.0	75.4
60 to 64 years	236	224	58.8	56.8	236	224	58.8	56.8
65 years and over	179	171	21.0	19.3	179	171	21.0	19.3

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
FEMALES								
16 years and over	37,666	39,378	46.8	48.1	37,572	39,269	46.7	48.1
16 to 19 years	3,928	4,060	47.5	48.8	3,908	4,041	47.4	48.7
16 to 17 years	1,626	1,625	39.6	39.5	1,626	1,624	39.5	39.5
18 to 19 years	2,301	2,436	55.3	57.9	2,282	2,417	55.1	57.7
20 to 24 years	6,126	6,454	63.8	65.9	6,075	6,394	63.6	65.7
25 to 54 years	22,296	23,419	56.3	58.3	22,272	23,389	56.3	58.2
25 to 34 years	8,956	9,591	57.0	59.0	8,937	9,566	56.9	58.9
35 to 44 years	6,636	7,023	56.9	59.3	6,633	7,020	56.9	59.3
45 to 54 years	6,704	6,804	55.0	56.3	6,703	6,803	55.0	56.3
55 to 64 years	4,255	4,362	40.9	41.3	4,255	4,362	40.9	41.3
55 to 59 years	2,671	2,760	48.5	49.0	2,671	2,760	48.5	49.0
60 to 64 years	1,584	1,602	32.4	32.5	1,584	1,602	32.4	32.5
65 years and over	1,062	1,083	8.4	8.4	1,062	1,083	8.4	8.4
White								
16 years and over	32,768	34,201	46.4	47.7	32,690	34,111	46.4	47.7
16 to 19 years	3,511	3,655	50.1	52.0	3,494	3,639	50.0	51.8
16 to 17 years	1,475	1,489	42.5	43.0	1,475	1,488	42.5	43.0
18 to 19 years	2,036	2,166	57.6	60.6	2,019	2,150	57.4	60.4
20 to 24 years	5,340	5,589	65.2	67.0	5,299	5,540	65.0	66.8
25 to 54 years	19,162	20,123	55.6	57.6	19,142	20,099	55.5	57.5
25 to 34 years	7,607	8,121	56.0	57.9	7,591	8,100	55.9	57.8
35 to 44 years	5,666	6,009	56.1	58.7	5,663	6,007	56.1	58.7
45 to 54 years	5,889	5,992	54.5	56.1	5,888	5,992	54.5	56.1
55 to 64 years	3,824	3,886	40.8	40.9	3,824	3,886	40.8	40.9
55 to 59 years	2,401	2,459	48.4	48.6	2,401	2,459	48.4	48.6
60 to 64 years	1,423	1,427	32.2	32.1	1,423	1,427	32.2	32.1
65 years and over	931	947	8.1	8.0	931	947	8.1	8.0
Black and other								
16 years and over	4,898	5,177	49.5	50.9	4,882	5,158	49.4	50.8
16 to 19 years	416	405	33.0	31.6	413	402	32.8	31.4
16 to 17 years	151	136	23.7	21.0	151	136	23.6	21.0
18 to 19 years	265	270	42.5	42.4	262	267	42.2	42.1
20 to 24 years	785	865	55.9	59.7	776	853	55.6	59.3
25 to 54 years	3,134	3,295	61.7	63.0	3,130	3,290	61.7	62.9
25 to 34 years	1,349	1,470	63.3	66.0	1,346	1,466	63.3	65.9
35 to 44 years	970	1,014	62.0	63.3	970	1,013	62.0	63.3
45 to 54 years	815	811	58.8	57.8	815	811	58.8	57.8
55 to 64 years	432	475	42.3	45.8	432	475	42.3	45.8
55 to 59 years	270	301	49.6	53.4	270	301	49.6	53.4
60 to 64 years	162	175	33.9	36.9	162	175	33.9	36.9
65 years and over	130	136	11.6	11.6	130	136	11.6	11.6

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex and age	November 1976						Not in labor force	
	Civilian labor force					Percent of labor force		
	Total	Employed			Unemployed			
		Total	Agriculture	Nonagricultural industries	Number			
Total								
16 years and over	9,529	8,264	217	8,047	1,265	13.3	6,550	
16 to 19 years	766	463	19	444	304	39.6	1,453	
16 to 17 years	248	132	8	124	116	46.6	906	
18 to 19 years	518	330	11	319	188	36.3	547	
20 to 24 years	1,534	1,184	29	1,154	350	22.8	723	
25 to 54 years	5,989	5,434	113	5,321	555	9.3	2,045	
25 to 34 years	2,583	2,264	47	2,217	320	12.4	745	
35 to 44 years	1,847	1,717	24	1,693	130	7.1	605	
45 to 54 years	1,559	1,454	42	1,411	105	6.7	695	
55 to 64 years	958	918	35	883	40	4.1	766	
55 to 59 years	585	556	17	539	29	5.0	345	
60 to 64 years	372	362	18	344	10	2.7	421	
65 years and over	282	265	21	244	17	6.1	1,563	
Males								
16 years and over	5,074	4,410	191	4,218	664	13.1	2,161	
16 to 19 years	408	259	16	243	149	36.5	666	
16 to 17 years	126	79	7	71	47	37.3	446	
18 to 19 years	282	180	8	172	102	36.1	220	
20 to 24 years	807	624	27	598	183	22.7	201	
25 to 54 years	3,185	2,893	95	2,797	292	9.2	409	
25 to 34 years	1,344	1,171	39	1,132	173	12.8	130	
35 to 44 years	969	911	21	890	58	6.0	110	
45 to 54 years	872	810	36	775	62	7.1	169	
55 to 64 years	520	495	32	464	24	4.7	264	
55 to 59 years	316	299	15	284	17	5.4	112	
60 to 64 years	204	197	17	179	7	3.6	153	
65 years and over	153	138	21	117	15	9.8	620	
Females								
16 years and over	4,455	3,854	26	3,828	601	13.5	4,389	
16 to 19 years	358	204	3	200	155	43.2	787	
16 to 17 years	122	53	--	53	69	56.2	460	
18 to 19 years	236	150	3	147	86	36.4	327	
20 to 24 years	726	559	3	557	167	23.0	522	
25 to 54 years	2,804	2,541	17	2,524	263	9.4	1,635	
25 to 34 years	1,239	1,092	8	1,084	147	11.9	615	
35 to 44 years	878	806	2	803	72	8.2	494	
45 to 54 years	686	643	7	636	43	6.3	527	
55 to 64 years	438	423	3	420	15	3.5	501	
55 to 59 years	269	257	2	255	12	4.6	233	
60 to 64 years	168	166	1	165	3	1.6	268	
65 years and over	129	127	--	128	2	1.6	943	

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

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

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
TOTAL								
Total noninstitutional population	154,476	157,066	65,542	66,699	72,213	73,491	16,720	16,816
Total labor force	94,943	97,786	52,519	53,542	33,739	35,318	8,685	8,927
Percent of population	61.5	62.3	80.1	80.3	46.7	48.1	51.9	53.1
Civilian labor force	92,787	95,637	50,807	51,844	33,664	35,227	8,316	8,565
Employed	85,556	88,542	47,678	48,931	31,145	32,683	6,734	6,927
Agriculture	3,156	3,081	2,362	2,248	454	512	340	321
Nonagricultural industries	82,400	85,460	45,315	46,683	30,691	32,172	6,394	6,606
Unemployed	7,231	7,095	3,129	2,913	2,519	2,544	1,582	1,638
Percent of labor force	7.8	7.4	6.2	5.6	7.5	7.2	19.0	19.1
Not in labor force	59,533	59,220	13,023	13,158	38,475	38,173	8,035	7,889
White								
Total noninstitutional population	136,102	138,117	58,306	59,252	63,580	64,595	14,216	14,271
Total labor force	83,970	86,351	46,941	47,815	29,257	30,546	7,772	7,991
Percent of population	61.7	62.5	80.5	80.7	46.0	47.3	54.7	56.0
Civilian labor force	82,171	84,570	45,511	46,410	29,196	30,472	7,464	7,688
Employed	76,317	78,877	42,972	44,067	27,167	28,444	6,178	6,367
Agriculture	2,882	2,838	2,147	2,052	420	483	315	302
Nonagricultural industries	73,435	76,040	40,825	42,015	26,747	27,961	5,863	6,064
Unemployed	5,854	5,693	2,539	2,343	2,029	2,029	1,286	1,321
Percent of labor force	7.1	6.7	5.6	5.0	6.9	6.7	17.2	17.2
Not in labor force	52,132	51,766	11,365	11,437	34,323	34,049	6,444	6,280
Black and other								
Total noninstitutional population	18,374	18,889	7,235	7,448	8,633	8,896	2,505	2,545
Total labor force	10,972	11,435	5,578	5,727	4,481	4,772	913	936
Percent of population	59.7	60.5	77.1	76.9	51.9	53.6	36.5	36.8
Civilian labor force	10,616	11,067	5,296	5,434	4,468	4,755	852	877
Employed	9,239	9,664	4,705	4,864	3,978	4,240	556	561
Agriculture	274	244	215	196	34	29	25	19
Nonagricultural industries	8,965	9,421	4,490	4,668	3,944	4,211	530	542
Unemployed	1,377	1,402	591	570	490	515	296	317
Percent of labor force	13.0	12.7	11.2	10.5	11.0	10.8	34.8	36.1
Not in labor force	7,401	7,454	1,658	1,721	4,152	4,124	1,592	1,609

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

[Numbers in thousands]

Employment status	November 1976								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,052	12,659	12,394	21,306	10,808	10,498	3,746	1,850	1,896
Total labor force	14,908	8,245	6,663	13,177	7,255	5,922	1,731	990	741
Percent of population	59.5	65.1	53.8	61.8	67.1	56.4	46.2	53.5	39.1
Civilian labor force	14,134	7,520	6,614	12,540	6,659	5,881	1,594	861	733
Employed	11,741	6,184	5,556	10,662	5,605	5,057	1,078	579	499
Agriculture	469	413	56	435	383	51	34	29	5
Nonagricultural industries	11,272	5,772	5,500	10,228	5,222	5,006	1,044	550	495
Unemployed	2,393	1,336	1,057	1,878	1,054	824	515	282	233
Percent of labor force	16.9	17.8	16.0	15.0	15.8	14.0	32.3	32.8	31.8
Looking for full-time work	1,381	828	553	1,038	625	413	343	203	140
Looking for part-time work	1,012	508	504	840	429	410	173	79	94
Not in labor force	10,145	4,414	5,731	8,129	3,553	4,576	2,015	861	1,155
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	4,530	2,377	2,153	4,114	2,169	1,945	416	207	209
Employed	3,549	1,839	1,710	3,320	1,724	1,595	229	114	115
Agriculture	163	141	23	160	138	22	3	3	1
Nonagricultural industries	3,386	1,698	1,688	3,160	1,586	1,573	226	112	114
Unemployed	981	538	443	794	445	349	187	93	94
Percent of labor force	21.7	22.6	20.6	19.3	20.5	18.0	45.0	45.0	44.9
Looking for full-time work	88	61	27	62	44	17	26	17	9
Looking for part-time work	894	477	417	733	401	332	161	76	85
Not in labor force	7,955	3,965	3,990	6,414	3,210	3,204	1,541	755	786
MAJOR ACTIVITY: OTHER									
Civilian labor force	9,604	5,143	4,460	8,426	4,490	3,936	1,178	654	524
Employed	8,192	4,346	3,846	7,343	3,881	3,462	849	465	384
Agriculture	305	272	33	275	245	29	31	27	4
Nonagricultural industries	7,886	4,074	3,813	7,068	3,636	3,432	819	438	380
Unemployed	1,412	798	614	1,084	609	475	328	189	140
Percent of labor force	14.7	15.5	13.8	12.9	13.6	12.1	27.9	28.9	26.6
Looking for full-time work	1,294	767	527	977	581	396	317	186	130
Looking for part-time work	118	31	88	107	28	79	12	3	9
Not in labor force	2,190	449	1,741	1,715	343	1,372	475	106	369

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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	November 1976								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time [†]	Unemployed (looking for part-time work)	
		Full-time schedules [†]	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	80,636	71,673	3,496	5,467	6.8	15,001	13,373	1,628	10.9
16 to 21 years	8,364	6,130	854	1,381	16.5	5,770	4,758	1,012	17.5
16 to 19 years	4,000	2,703	531	766	19.1	4,565	3,693	872	19.1
16 to 17 years	592	314	128	151	25.4	2,881	2,272	609	21.1
18 to 19 years	3,408	2,390	403	615	18.1	1,684	1,421	263	15.6
20 years and over	76,636	68,970	2,965	4,701	6.1	10,436	9,680	756	7.2
20 to 24 years	11,870	9,793	699	1,378	11.6	2,219	1,983	237	10.7
25 years and over	64,767	59,176	2,267	3,324	5.1	8,217	7,697	519	6.3
25 to 54 years	53,190	48,523	1,810	2,856	5.4	5,525	5,166	359	6.5
55 years and over	11,577	10,653	457	467	4.0	2,692	2,531	160	5.9
Males, 16 years and over	51,332	46,528	1,668	3,136	6.1	5,036	4,348	688	13.7
16 to 21 years	4,718	3,489	401	828	17.5	2,803	2,295	508	18.1
16 to 19 years	2,224	1,516	245	463	20.8	2,300	1,852	448	19.5
20 years and over	49,108	45,012	1,423	2,673	5.4	2,736	2,496	240	8.8
20 to 24 years	6,769	5,627	357	785	11.6	927	829	97	10.5
25 years and over	42,339	39,386	1,066	1,888	4.5	1,810	1,666	142	7.8
25 to 54 years	34,623	32,203	834	1,587	4.6	702	626	75	10.7
55 years and over	7,716	7,183	232	301	3.9	1,108	1,041	67	6.0
Females, 16 years and over	29,304	25,145	1,829	2,330	8.0	9,965	9,025	940	9.4
16 to 21 years	3,647	2,641	453	553	15.2	2,967	2,463	504	17.0
16 to 19 years	1,776	1,188	286	302	17.0	2,265	1,841	424	18.7
20 years and over	27,528	23,957	1,543	2,028	7.4	7,700	7,183	516	6.7
20 to 24 years	5,101	4,166	342	593	11.6	1,293	1,153	139	10.8
25 years and over	22,426	19,792	1,201	1,434	6.4	6,407	6,030	377	5.9
25 to 54 years	18,566	16,321	977	1,268	6.8	4,823	4,540	284	5.9
55 years and over	3,861	3,471	224	166	4.3	1,584	1,490	94	5.9
White									
Males, 16 years and over	45,923	42,083	1,325	2,515	5.5	4,537	3,958	579	12.8
16 to 21 years	4,103	3,158	320	625	15.2	2,556	2,127	429	16.8
16 to 19 years	1,959	1,380	204	375	19.1	2,090	1,714	376	18.0
20 years and over	43,964	40,703	1,120	2,140	4.9	2,446	2,244	203	8.3
20 to 24 years	5,918	5,045	279	594	10.0	842	758	84	10.0
25 years and over	38,043	35,658	841	1,546	4.1	1,605	1,486	119	7.4
25 to 54 years	30,986	29,042	661	1,282	4.1	602	540	61	10.1
55 years and over	7,059	6,616	180	264	3.7	1,003	946	58	5.8
Females, 16 years and over	25,022	21,732	1,489	1,801	7.2	9,089	8,291	798	8.8
16 to 21 years	3,187	2,382	391	413	13.0	2,694	2,284	410	15.2
16 to 19 years	1,584	1,101	257	227	14.3	2,054	1,710	344	16.7
20 years and over	23,438	20,631	1,232	1,575	6.7	7,034	6,580	454	6.5
20 to 24 years	4,359	3,637	290	432	9.9	1,181	1,068	113	9.6
25 years and over	19,078	16,994	942	1,142	6.0	5,853	5,512	341	5.8
25 to 54 years	15,632	13,874	772	985	6.3	4,466	4,210	256	5.7
55 years and over	3,447	3,120	169	157	4.6	1,387	1,302	85	6.1
Black and other									
Males, 16 years and over	5,410	4,445	343	622	11.5	499	390	109	21.9
16 to 21 years	615	331	80	203	33.0	247	168	79	32.1
16 to 19 years	265	136	41	89	33.5	210	137	72	34.5
20 years and over	5,144	4,309	302	533	10.4	290	253	37	12.7
20 to 24 years	850	581	79	190	22.4	85	71	13	15.6
25 years and over	4,294	3,727	223	343	8.0	205	181	24	11.7
25 to 54 years	3,638	3,160	172	305	8.4	100	85	15	15.0
55 years and over	656	567	52	38	5.8	104	96	10	9.6
Females, 16 years and over	4,282	3,413	340	529	12.4	876	734	142	16.2
16 to 21 years	460	258	60	140	30.4	273	179	94	34.4
16 to 19 years	192	87	29	76	39.6	211	131	80	37.9
20 years and over	4,090	3,326	310	453	11.1	665	603	62	9.4
20 to 24 years	742	529	51	162	21.8	111	85	26	23.4
25 years and over	3,348	2,797	259	292	8.7	553	518	36	6.5
25 to 54 years	2,934	2,447	204	283	9.6	356	330	27	7.6
55 years and over	414	350	55	9	2.2	197	188	9	4.6

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

A-9. Unemployed persons by sex and age

Age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
Total, 16 years and over	3,986	3,824	7.2	6.8	3,245	3,270	8.6	8.3
16 to 19 years	857	912	19.4	20.2	726	726	18.6	18.0
16 to 17 years	372	419	20.4	22.7	338	341	20.8	21.0
18 to 19 years	485	493	18.8	18.4	388	386	17.0	16.0
20 years and over	3,129	2,913	6.2	5.6	2,519	2,544	7.5	7.2
20 to 24 years	955	882	13.2	11.5	719	733	11.8	11.5
25 years and over	2,174	2,031	5.0	4.6	1,800	1,811	6.5	6.3
25 to 34 years	879	873	6.3	6.0	739	777	8.3	6.0
35 to 44 years	455	392	4.4	3.8	436	420	6.6	5.2
45 to 54 years	443	398	4.2	3.9	367	354	5.5	4.7
55 to 64 years	290	274	4.2	3.9	202	206	4.7	5.0
55 to 59 years	157	151	3.8	3.5	117	137	4.4	4.3
60 to 64 years	132	123	4.8	4.5	84	68	5.3	5.0
65 years and over	108	94	5.9	5.1	56	54	5.3	6.3
Household heads, 16 years and over	2,146	1,984	4.8	4.4	650	640	7.7	7.3
16 to 24 years	352	334	8.6	8.0	143	110	7.4	9.2
25 to 54 years	1,422	1,299	4.4	4.0	389	406	7.7	7.5
55 years and over	371	351	4.3	4.1	117	125	5.4	5.7

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	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
Total, 16 years and over	3,986	3,824	7.2	6.8	3,245	3,270	8.6	8.3
Married, spouse present	1,758	1,564	4.4	3.9	1,558	1,561	7.1	6.9
Widowed, divorced, or separated	421	381	11.4	9.4	615	615	9.0	8.7
Single (never married)	1,807	1,880	15.5	14.9	1,073	1,094	12.1	11.4
White, 16 years and over	3,263	3,093	6.6	6.1	2,591	2,599	7.9	7.6
Married, spouse present	1,529	1,341	4.2	3.7	1,343	1,352	6.8	6.7
Widowed, divorced, or separated	304	274	10.4	8.5	471	457	8.6	8.0
Single (never married)	1,430	1,478	14.1	13.4	776	790	10.2	9.6
Black and other, 16 years and over	723	731	12.6	12.4	654	671	13.4	13.0
Married, spouse present	229	224	6.6	6.5	215	210	9.4	8.8
Widowed, divorced, or separated	117	106	15.2	12.8	143	158	10.7	11.2
Single (never married)	377	401	25.6	24.7	296	304	23.7	22.3
Total, 20 to 64 years of age	3,021	2,819	6.2	5.6	2,463	2,490	7.6	7.3
Married, spouse present	1,653	1,469	4.3	3.9	1,430	1,443	6.8	6.6
Widowed, divorced, or separated	386	358	11.2	9.4	560	558	9.1	8.7
Single (never married)	983	991	13.3	12.0	473	488	8.8	8.2
White, 20 to 64 years of age	2,456	2,267	5.6	5.1	1,973	1,977	7.0	6.7
Married, spouse present	1,436	1,258	4.1	3.6	1,233	1,243	6.5	6.4
Widowed, divorced, or separated	280	257	10.2	8.5	417	404	8.5	7.9
Single (never married)	739	751	11.6	10.6	323	328	7.2	6.6
Black and other, 20 to 64 years of age	566	553	11.1	10.5	490	513	11.3	11.1
Married, spouse present	217	211	6.5	6.4	197	200	9.0	8.7
Widowed, divorced, or separated	105	101	12.9	12.8	143	153	11.4	11.7
Single (never married)	244	240	23.4	20.8	150	160	16.7	16.0

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
Total	7,231	7,095	7.8	7.4	7.2	6.8	8.6	8.3
White-collar workers	2,044	2,083	4.6	4.4	3.3	3.2	5.8	5.6
Professional and technical	423	441	3.1	3.1	2.8	2.8	3.6	3.5
Managers and administrators, except farm	282	306	3.0	3.1	2.4	2.5	5.1	5.3
Sales workers	328	234	5.8	5.5	4.7	4.3	7.2	6.9
Clerical workers	1,011	1,012	6.2	6.1	5.0	4.9	6.6	6.4
Blue-collar workers	3,191	2,791	10.2	8.7	9.4	8.2	13.6	11.1
Craft and kindred workers	865	770	7.3	6.3	7.1	6.2	10.7	8.1
Carpenters and other construction craft	427	379	11.4	10.0	11.3	10.0	(1)	--
All other	438	391	5.4	4.7	5.0	4.4	9.8	8.6
Operatives, except transport	1,350	1,137	12.0	10.1	10.3	8.9	14.5	11.9
Transport equipment operatives	303	278	8.5	7.7	8.8	8.1	4.4	2.7
Nonfarm laborers	673	606	14.4	12.3	14.6	12.5	13.0	10.7
Construction laborers	204	170	22.9	19.5	22.9	19.1	(1)	(1)
All other	469	436	12.4	10.7	12.4	10.9	12.3	9.5
Service workers	1,106	1,208	8.6	9.1	8.7	8.9	8.5	9.3
Private household	72	83	5.9	6.2	(1)	--	5.6	6.3
All other	1,034	1,125	8.9	9.5	8.7	8.9	9.0	9.9
Farm workers	126	166	4.4	5.9	3.8	4.4	8.1	13.2
No previous work experience	764	847	--	--	--	--	--	--
16 to 19 years	571	640	--	--	--	--	--	--
20 to 24 years	125	133	--	--	--	--	--	--
25 years and over	68	74	--	--	--	--	--	--

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	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
Total	100.0	100.0	7.8	7.4	7.2	6.8	8.6	8.3
Nonagricultural private wage and salary workers	77.3	74.4	8.4	7.6	7.9	7.0	9.1	8.4
Mining	.2	.4	2.6	3.1	2.6	3.1	2.4	3.0
Construction	9.2	8.2	15.3	13.4	15.9	13.9	6.1	6.9
Manufacturing	27.0	21.9	9.3	7.3	8.0	6.1	12.3	10.1
Durable goods	16.6	12.0	9.6	6.8	8.6	5.9	12.9	9.6
Lumber and wood products	1.1	.7	14.0	7.1	13.9	6.9	14.7	(1)
Furniture and fixtures	.8	.7	9.6	9.7	8.4	10.1	12.8	8.9
Stone, clay, and glass products	.8	.8	8.4	7.4	8.3	7.8	8.9	6.0
Primary metal industries	2.0	1.7	10.8	8.8	10.2	8.3	15.5	12.7
Fabricated metal products	2.0	1.5	9.3	7.5	8.1	6.0	14.2	13.7
Machinery, except electrical equipment	2.8	1.5	8.4	4.5	7.2	4.7	14.9	3.8
Electrical equipment	3.0	1.8	10.0	5.8	8.7	3.6	12.1	9.1
Transportation equipment	2.6	1.6	9.2	5.6	8.5	5.1	13.1	8.7
Automobiles	1.3	.6	8.4	4.1	8.7	4.3	6.4	3.4
Other transportation equipment	1.3	1.0	10.1	7.3	8.3	6.0	19.9	14.5
Instruments and related products	.4	.3	3.6	4.2	3.6	3.7	9.8	5.0
Other durable goods industries	1.1	1.3	11.4	13.3	9.7	8.7	13.5	19.4
Nondurable goods	10.4	10.0	8.9	8.1	6.9	6.5	11.8	10.6
Food and kindred products	2.9	3.0	11.4	11.4	8.6	10.1	18.3	14.7
Textile mill products	1.4	1.0	11.3	7.3	9.2	5.5	13.2	9.2
Apparel and other textile products	2.4	2.2	12.1	11.7	14.8	9.5	11.4	12.2
Paper and allied products	.6	.5	7.2	5.5	5.8	4.0	12.3	10.8
Printing and publishing	.9	1.1	5.5	5.9	5.9	4.4	4.8	8.1
Chemicals and allied products	.8	.7	4.9	4.1	4.5	4.2	6.2	3.7
Rubber and plastics products	.9	.9	10.8	9.1	6.6	7.5	18.2	12.2
Other nondurable goods industries	.5	.5	6.0	6.3	2.2	4.2	11.3	9.3
Transportation and public utilities	3.0	3.4	4.3	5.0	4.2	5.3	4.9	4.0
Railroads and railway express	.1	.2	1.5	2.2	1.5	2.3	(1)	--
Other transportation	2.3	2.3	7.1	7.3	6.7	7.9	8.5	4.4
Communication and other public utilities	.6	.9	1.7	3.3	1.7	3.0	2.7	4.1
Wholesale and retail trade	20.3	21.3	8.6	8.4	6.9	7.0	10.6	10.2
Finance, insurance, and real estate	2.7	2.9	4.6	4.5	4.2	3.2	4.8	5.6
Service industries	14.8	16.2	7.4	7.4	7.6	7.7	7.3	7.1
Professional services	6.3	6.4	5.5	5.2	4.9	4.5	5.8	5.6
All other service industries	8.5	9.8	10.0	10.0	10.1	10.5	9.9	9.6
Agricultural wage and salary workers	2.3	3.1	12.2	15.6	11.1	13.0	17.6	25.6
All other classes of workers	9.9	10.6	3.0	3.1	2.8	2.7	3.2	3.7
No previous work experience	10.6	11.9	--	--	--	--	--	--

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	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	7,231	7,095	3,129	2,913	2,519	2,544	1,582	1,638	5,854	5,693	1,377	1,402
Job losers	3,810	3,364	2,218	1,998	1,193	1,035	399	331	3,102	2,759	708	605
Job leavers	886	876	331	307	407	412	148	157	773	765	113	112
Reentrants	1,774	2,009	499	512	807	986	467	511	1,388	1,549	385	460
New entrants	761	846	81	96	112	111	568	639	591	620	170	226
Total unemployed, percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	52.7	47.4	70.9	68.6	47.4	40.7	25.2	20.2	53.0	48.5	51.5	43.2
Job leavers	12.3	12.3	10.6	10.5	16.2	16.2	9.4	9.6	13.2	13.4	8.2	8.0
Reentrants	24.5	28.3	15.9	17.6	32.0	38.8	29.5	31.2	23.7	27.2	28.0	32.8
New entrants	10.5	11.9	2.6	3.3	4.4	4.4	35.9	39.0	10.1	10.9	12.4	16.1
UNEMPLOYMENT RATE												
Total unemployment rate	7.8	7.4	6.2	5.6	7.5	7.2	19.0	19.1	7.1	6.7	13.0	12.7
Job loser rate ¹	4.1	3.5	4.3	3.9	3.6	2.9	4.8	3.9	3.8	3.3	6.7	5.5
Job leaver rate ¹	1.0	.9	.7	.6	1.2	1.2	1.8	1.8	.9	.9	1.1	1.0
Reentrant rate ¹	1.9	2.1	1.0	1.0	2.4	2.8	5.6	6.0	1.7	1.8	3.6	4.2
New entrant rate ¹ .....	.8	.9	.2	.2	.3	.3	6.8	7.5	.7	.7	1.6	2.0

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

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

[Percent distribution]

Reason, sex, and age	November 1976						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,095	100.0	38.0	33.2	28.8	12.7	16.1
Job losers	3,364	100.0	32.9	30.8	36.2	14.1	22.1
Job leavers	876	100.0	37.9	33.2	28.9	13.8	15.1
Reentrants	2,009	100.0	45.3	35.9	18.8	9.2	9.6
New entrants	846	100.0	41.2	36.1	22.7	14.0	8.8
Males, 20 years and over	2,913	100.0	34.0	29.0	37.0	14.6	22.4
Job losers	1,998	100.0	32.9	27.9	39.1	15.1	24.1
Job leavers	307	100.0	36.5	29.3	34.2	13.7	20.5
Reentrants	512	100.0	37.6	33.2	29.2	13.5	15.8
New entrants	96	100.0	27.1	29.2	43.8	13.5	30.2
Females, 20 years and over	2,544	100.0	37.2	35.7	27.1	11.2	15.9
Job losers	1,035	100.0	27.8	35.8	36.4	13.2	23.2
Job leavers	412	100.0	32.8	36.4	30.8	15.3	15.5
Reentrants	986	100.0	48.0	34.7	17.3	7.8	9.5
New entrants	111	100.0	44.6	42.0	13.4	8.0	5.4
Both sexes, 16 to 19 years	1,638	100.0	46.6	36.6	16.8	11.6	5.2
Job losers	331	100.0	48.8	32.8	18.4	11.1	7.2
Job leavers	157	100.0	53.5	32.7	13.8	10.7	3.1
Reentrants	511	100.0	47.9	40.9	11.2	7.8	3.3
New entrants	639	100.0	42.6	36.0	21.3	15.2	6.1

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

Sex, age, and race	November 1976								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,095	6,160	29.4	6.6	72.6	30.5	13.9	5.6	1.42
16 to 19 years	1,638	1,534	15.4	3.6	82.0	25.0	12.1	3.8	1.42
20 to 24 years	1,614	1,408	37.1	7.2	69.7	34.5	12.8	5.2	1.67
25 to 34 years	1,651	1,394	35.2	7.2	70.2	32.9	14.7	6.3	1.67
35 to 44 years	812	660	34.8	7.4	70.9	32.9	16.1	6.5	1.69
45 to 54 years	752	618	32.4	9.9	63.8	30.4	15.2	6.6	1.58
55 to 64 years	479	406	27.8	8.4	70.4	29.6	16.5	6.7	1.59
65 years and over	148	140	12.9	5.7	78.6	17.9	15.0	11.4	1.42
Males, 16 years and over	3,824	3,205	33.3	7.2	73.0	30.1	16.3	7.2	1.67
16 to 19 years	912	837	17.7	2.5	82.6	25.6	13.7	2.9	1.45
20 to 24 years	882	737	42.1	7.9	69.9	33.4	14.7	6.1	1.74
25 to 34 years	873	700	42.7	8.6	69.4	33.3	18.3	8.6	1.81
35 to 44 years	392	307	42.7	9.8	70.7	29.0	18.2	11.4	1.82
45 to 54 years	398	312	32.1	11.9	66.7	33.3	17.3	10.9	1.72
55 to 64 years	274	224	30.4	8.5	67.0	28.6	19.6	8.9	1.63
65 years and over	94	88	13.6	8.0	81.8	15.9	18.2	15.9	1.53
Females, 16 years and over	3,270	2,955	25.0	6.0	72.3	30.9	11.4	3.9	1.50
16 to 19 years	726	697	12.6	4.9	81.5	24.4	10.0	4.9	1.38
20 to 24 years	733	671	31.4	6.6	69.4	35.8	10.9	4.2	1.58
25 to 34 years	777	694	27.5	5.8	70.7	32.4	11.1	4.0	1.52
35 to 44 years	420	353	28.0	5.4	71.1	36.3	14.2	2.3	1.57
45 to 54 years	354	306	32.7	7.5	60.8	27.5	13.1	2.3	1.44
55 to 64 years	206	182	24.7	8.2	74.2	30.8	12.1	3.8	1.54
65 years and over	54	52	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	5,693	4,874	26.9	6.6	73.1	32.1	14.0	5.8	1.59
Males	3,093	2,560	30.2	7.1	73.2	31.1	16.5	7.5	1.66
Females	2,599	2,315	23.3	6.0	73.0	33.2	11.1	3.9	1.51
Black and other	1,402	1,286	38.6	6.8	70.8	24.3	13.8	5.0	1.59
Males	731	645	45.9	7.6	72.4	26.0	15.3	6.2	1.73
Females	671	641	31.4	6.1	69.3	22.6	12.2	3.7	1.45

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	November 1976								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,095	6,160	29.4	6.6	72.6	30.5	13.9	5.6	1.59
Job losers	3,364	2,523	39.3	8.2	70.0	33.5	17.5	6.3	1.75
Job leavers	876	885	29.9	8.4	72.0	35.0	14.5	3.4	1.63
Reentrants	2,009	1,918	21.7	5.2	73.0	26.9	10.0	6.2	1.43
New entrants	846	835	16.0	3.6	80.2	24.9	11.4	4.6	1.41
Males, 16 years and over	3,824	3,205	33.3	7.2	73.0	30.1	16.3	7.2	1.67
Job losers	2,225	1,650	41.3	8.8	70.2	33.1	18.4	8.5	1.80
Job leavers	393	395	31.6	6.8	75.4	29.1	17.5	4.3	1.65
Reentrants	793	750	25.5	6.0	73.2	26.4	13.6	7.9	1.53
New entrants	414	410	17.1	3.2	81.7	25.6	11.7	3.9	1.43
Females, 16 years and over	3,270	2,955	25.0	6.0	72.3	30.9	11.4	3.9	1.50
Job losers	1,139	873	35.5	7.0	69.6	34.1	15.8	2.2	1.64
Job leavers	483	490	28.6	9.6	69.2	39.8	12.2	2.7	1.62
Reentrants	1,217	1,167	19.3	4.5	72.9	27.2	8.0	5.2	1.37
New entrants	432	426	15.0	4.0	78.6	24.2	11.0	5.2	1.38

NOTE: See note, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household heads			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
Total	7,231	7,095	100.0	100.0	2,795	2,624	100.0	100.0
Less than 5 weeks	2,601	2,698	36.0	38.0	925	870	33.1	33.2
5 to 14 weeks	2,230	2,355	30.8	33.2	776	806	27.8	30.7
5 to 10 weeks	1,612	1,697	22.3	23.9	570	606	20.4	23.1
11 to 14 weeks	618	658	8.5	9.3	206	200	7.4	7.6
15 weeks and over	2,400	2,042	33.2	28.8	1,094	947	39.1	36.1
15 to 26 weeks	940	899	13.0	12.7	355	381	12.7	14.5
27 weeks and over	1,460	1,143	20.2	16.1	740	566	26.5	21.6
27 to 51 weeks	869	576	12.0	8.1	454	290	16.2	11.1
52 weeks and over	591	567	8.2	8.0	286	276	10.2	10.5
Average (mean) duration	16.2	15.0	--	--	18.9	17.8	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
	November 1976						Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
Total, 16 years and over	7,095	2,698	2,355	899	1,143	15.0	36.0	38.0	39.2	28.8
16 to 21 years	2,393	1,098	851	271	173	10.3	42.2	45.9	21.5	18.6
16 to 19 years	1,638	763	600	190	85	9.3	45.6	46.6	17.6	16.8
20 to 24 years	1,614	650	574	178	213	13.5	38.1	40.2	30.9	24.2
25 to 34 years	1,651	590	545	219	296	16.0	32.3	35.8	37.8	31.2
35 to 44 years	812	278	277	89	168	17.0	32.0	34.2	38.7	31.7
45 to 54 years	752	232	221	95	204	20.1	31.9	30.8	42.4	39.7
55 to 64 years	479	151	114	82	132	22.0	29.3	31.6	45.4	44.6
65 years and over	148	35	22	47	44	24.9	19.5	23.3	49.4	61.5
Males, 16 years and over	3,824	1,417	1,166	533	709	16.4	34.2	37.1	35.5	32.5
16 to 21 years	1,336	609	454	158	115	11.0	40.8	45.6	22.7	20.4
16 to 19 years	912	428	320	109	56	9.8	46.2	46.9	18.5	18.0
20 to 24 years	882	345	290	103	144	15.1	34.8	39.1	35.0	28.0
25 to 34 years	873	296	261	129	187	18.4	29.1	33.9	39.4	36.3
35 to 44 years	392	123	122	61	87	17.8	28.9	31.3	42.4	37.6
45 to 54 years	398	122	92	59	125	22.5	29.9	30.7	46.2	46.1
55 to 64 years	274	81	66	45	83	22.4	32.1	29.4	44.0	46.5
65 years and over	94	24	15	28	27	23.6	19.9	25.6	48.1	58.6
Females, 16 years and over	3,270	1,281	1,189	366	434	13.5	38.2	39.2	30.3	24.5
16 to 21 years	1,057	488	398	113	58	9.4	43.9	46.2	20.1	16.2
16 to 19 years	726	335	280	81	29	8.8	44.8	46.2	16.6	15.3
20 to 24 years	733	305	284	75	69	11.5	42.5	41.6	25.3	19.6
25 to 34 years	777	294	285	90	108	13.3	36.1	37.9	35.8	25.5
35 to 44 years	420	155	156	29	81	16.2	35.3	36.9	34.9	26.1
45 to 54 years	354	110	129	36	79	17.5	34.3	31.0	37.9	32.5
55 to 64 years	206	71	48	37	50	21.3	25.4	34.5	47.5	42.2
65 years and over	54	11	8	19	18	27.2	(1)	(1)	(1)	(1)
White	5,693	2,217	1,867	738	870	14.5	36.3	38.9	32.4	28.3
Males	3,093	1,182	940	430	542	15.7	35.0	38.2	33.9	31.4
Females	2,599	1,035	927	308	329	13.0	37.9	39.8	30.4	24.5
Black and other	1,402	481	488	161	272	17.3	34.5	34.3	36.7	30.9
Males	731	235	226	103	167	19.1	30.4	32.2	42.7	36.9
Females	671	246	262	58	105	15.4	39.1	36.6	30.1	24.3
Males:										
Married, spouse present	1,564	505	473	240	346	18.3	33.1	32.3	39.7	37.5
Widowed, divorced, or separated	381	118	105	63	95	21.7	21.7	31.0	43.8	41.4
Single (never married)	1,880	794	588	230	268	13.7	38.1	42.2	29.6	26.5
Females:										
Married, spouse present	1,561	626	547	163	226	13.8	36.7	40.1	32.9	24.9
Widowed, divorced, or separated	615	206	209	80	120	16.8	35.6	33.5	34.0	32.6
Single (never married)	1,094	448	434	123	88	11.1	41.8	41.0	24.4	19.3

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

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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	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		Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
	November 1976									
OCCUPATION										
White-collar workers	2,083	723	695	286	380	15.9	34.5	34.7	35.7	32.0
Professional and managerial	747	247	200	129	171	17.8	32.1	33.1	36.9	40.2
Sales workers	324	128	103	54	39	13.4	36.5	39.6	32.1	28.8
Clerical workers	1,012	348	392	102	170	15.4	35.6	34.4	36.0	26.9
Blue-collar workers	2,791	1,050	882	364	495	16.0	36.0	37.6	36.0	30.8
Craft and kindred workers	770	265	237	126	143	16.2	36.9	34.4	34.6	34.8
Operatives, except transport	1,137	412	394	139	191	15.6	32.9	36.2	38.9	29.1
Transport equipment operatives	278	124	70	24	59	17.0	35.8	44.7	36.2	30.1
Nonfarm laborers	606	249	181	74	102	15.8	41.4	41.0	32.0	29.1
Service workers	1,208	495	409	119	185	14.6	33.4	41.0	29.4	25.2
INDUSTRY¹										
Agriculture	217	108	80	16	13	8.7	42.7	49.7	16.2	13.7
Construction	619	247	178	95	99	15.1	39.1	39.9	30.2	31.3
Manufacturing	1,557	513	510	216	318	17.8	32.0	32.9	42.8	34.3
Durable goods	851	236	280	131	204	19.2	27.9	27.7	47.8	39.4
Nondurable goods	706	277	229	85	114	16.1	38.4	39.3	34.9	28.2
Transportation and public utilities	281	119	67	36	59	15.8	30.8	42.3	43.5	33.7
Wholesale and retail trade	1,517	645	463	176	232	14.5	34.7	42.5	30.8	26.9
Finance and service industries	1,710	605	608	198	298	14.6	37.1	35.4	28.6	28.9
Public administration	205	52	92	28	34	16.0	32.9	25.3	43.8	30.0
No previous work experience	847	350	304	118	74	11.7	41.5	41.4	23.7	22.7

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	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
	All industries	85,556	88,542	51,229	52,544	34,327	35,998
16 to 19 years	6,734	6,927	3,552	3,613	3,182	3,315
16 to 17 years	2,743	2,714	1,455	1,430	1,288	1,284
18 to 19 years	3,991	4,214	2,097	2,182	1,894	2,031
20 to 24 years	11,652	12,474	6,296	6,813	5,356	5,661
25 to 54 years	53,718	55,500	32,988	33,662	20,730	21,838
25 to 34 years	21,369	22,516	13,172	13,727	8,197	8,789
35 to 44 years	16,023	16,647	9,825	10,047	6,197	6,600
45 to 54 years	16,326	16,337	9,991	9,888	6,336	6,449
55 to 64 years	10,711	10,879	6,657	6,723	4,054	4,156
55 to 59 years	6,590	6,725	4,037	4,102	2,553	2,623
60 to 64 years	4,121	4,154	2,621	2,621	1,500	1,533
65 years and over	2,742	2,762	1,737	1,733	1,005	1,029
Nonagricultural industries	82,400	85,460	48,557	50,013	33,843	35,448
16 to 19 years	6,394	6,606	3,242	3,330	3,152	3,276
16 to 17 years	2,556	2,540	1,289	1,274	1,267	1,265
18 to 19 years	3,838	4,066	1,953	2,056	1,885	2,010
20 to 24 years	11,322	12,132	6,019	6,513	5,302	5,619
25 to 54 years	52,127	53,932	31,684	32,434	20,442	21,499
25 to 34 years	20,850	21,967	12,744	13,296	8,105	8,671
35 to 44 years	15,568	16,185	9,458	9,695	6,110	6,490
45 to 54 years	15,709	15,780	9,482	9,443	6,227	6,338
55 to 64 years	10,155	10,343	6,175	6,281	3,981	4,062
55 to 59 years	6,312	6,437	3,793	3,871	2,520	2,566
60 to 64 years	3,843	3,906	2,382	2,410	1,461	1,496
65 years and over	2,402	2,447	1,437	1,455	966	992
Agriculture	3,156	3,081	2,673	2,531	484	551
16 to 19 years	340	321	310	283	30	39
16 to 17 years	187	174	166	156	22	18
18 to 19 years	153	147	145	127	8	21
20 to 24 years	330	342	277	300	53	42
25 to 54 years	1,590	1,567	1,303	1,229	287	339
25 to 34 years	519	549	427	432	92	118
35 to 44 years	454	462	367	352	87	110
45 to 54 years	617	556	509	445	108	111
55 to 64 years	556	536	483	442	73	94
55 to 59 years	278	288	244	231	34	57
60 to 64 years	278	248	239	211	39	37
65 years and over	340	315	300	278	40	37

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	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
	TOTAL	85,556	88,542	47,678	48,931	31,145	32,683	3,552	3,613	3,182	3,315
White-collar workers	42,807	44,738	20,598	21,294	20,017	21,189	576	590	1,616	1,665
Professional and technical	13,092	13,900	7,531	7,826	5,408	5,924	83	73	70	77
Health workers	2,251	2,410	813	852	1,415	1,546	6	1	16	13
Teachers, except college	3,258	3,341	943	952	2,291	2,362	2	9	22	18
Other professional and technical	7,583	8,149	5,775	6,022	1,702	2,016	75	507	32	46
Managers and administrators, except farm	9,175	9,569	7,252	7,479	1,861	1,990	37	68	25	33
Salaried workers	7,301	7,866	5,759	6,165	1,484	1,605	32	63	26	33
Self-employed workers in retail trade	929	915	677	630	251	283	2	2	--	--
Self-employed workers, except retail trade	945	787	816	684	126	102	3	2	--	--
Sales workers	5,343	5,600	2,753	2,923	1,945	2,057	226	217	419	402
Retail trade	3,006	3,068	885	935	1,554	1,593	176	155	390	386
Other industries	2,337	2,532	1,868	1,988	391	465	50	62	29	17
Clerical workers	15,197	15,668	3,063	3,065	10,803	11,218	229	233	1,102	1,152
Stenographers, typists, and secretaries	4,364	4,364	72	84	3,936	3,931	5	6	352	342
Other clerical workers	10,833	11,304	2,991	2,981	6,867	7,287	224	227	750	810
Blue-collar workers	28,216	29,177	21,350	22,006	4,630	4,796	1,921	1,961	316	413
Craft and kindred workers	11,038	11,412	10,203	10,527	481	477	328	377	26	30
Carpenters	1,021	1,081	975	1,017	7	2	39	60	--	2
Construction craft, except carpenters	2,311	2,330	2,208	2,229	19	23	85	79	--	--
Mechanics and repairers	2,862	2,979	2,705	2,801	28	36	127	138	3	4
Metal craft	1,159	1,245	1,106	1,184	24	32	26	27	3	2
Blue-collar worker supervisors, not elsewhere classified	1,389	1,482	1,278	1,355	107	118	1	8	2	--
All other	2,296	2,295	1,931	1,940	298	266	49	65	18	23
Operatives, except transport	9,912	10,124	5,479	5,529	3,644	3,748	590	576	199	271
Durable goods manufacturing	4,326	4,524	2,806	2,897	1,287	1,374	172	168	61	86
Nondurable goods manufacturing	3,174	3,197	1,215	1,180	1,770	1,777	82	112	107	129
Other industries	2,412	2,403	1,458	1,452	587	597	336	297	31	56
Transport equipment operatives	3,272	3,315	2,879	2,941	199	214	174	140	20	20
Drivers, motor vehicles	2,792	2,801	2,443	2,469	192	199	142	114	16	18
All other	481	514	436	471	7	15	33	25	4	2
Nonfarm laborers	3,994	4,326	2,788	3,009	306	357	828	869	71	91
Construction	685	701	541	576	14	9	129	112	2	4
Manufacturing	967	1,094	731	859	117	122	98	108	20	5
Other industries	2,342	2,531	1,516	1,573	175	227	601	649	49	83
Service workers	11,807	12,000	3,634	3,674	6,157	6,303	785	816	1,231	1,207
Private household workers	1,166	1,247	13	17	856	936	12	10	285	283
Service workers, except private household	10,641	10,753	3,621	3,657	5,301	5,367	773	806	946	924
Food service workers	3,703	3,827	672	704	1,952	2,043	453	479	627	601
Protective service workers	1,315	1,270	1,195	1,164	97	81	20	19	3	7
All other	5,623	5,656	1,754	1,789	3,252	3,243	300	308	316	316
Farm workers	2,727	2,627	2,096	1,957	342	395	270	246	19	30
Farmers and farm managers	1,554	1,490	1,440	1,368	98	113	13	9	3	--
Farm laborers and supervisors	1,173	1,137	657	589	243	282	257	236	16	29
Paid workers	887	851	622	556	79	89	178	175	9	29
Unpaid family workers	286	286	35	34	164	193	79	61	7	--

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
TOTAL						
Total employed (thousands)	85,556	88,542	51,229	52,544	34,327	35,998
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.0	50.5	41.3	41.6	63.0	63.5
Professional and technical	15.3	15.7	14.9	15.0	16.0	16.7
Managers and administrators, except farm	10.7	10.8	14.2	14.4	5.5	5.6
Sales workers	6.2	6.3	5.8	6.0	6.9	6.8
Clerical workers	17.8	17.7	6.4	6.3	34.7	34.4
Blue-collar workers	33.0	33.0	45.4	45.6	14.4	14.5
Craft and kindred workers	12.9	12.9	20.6	20.8	1.5	1.4
Operatives, except transport	11.6	11.4	11.8	11.6	11.2	11.2
Transport equipment operatives	3.8	3.7	6.0	5.9	.6	.7
Nonfarm laborers	4.7	4.9	7.1	7.4	1.1	1.2
Service workers	13.8	13.6	8.6	8.5	21.5	20.9
Private household workers	1.4	1.4	(1)	(1)	3.3	3.4
Other service workers	12.4	12.1	8.6	8.5	18.2	17.5
Farm workers	3.2	3.0	4.6	4.2	1.1	1.2
Farmers and farm managers	1.8	1.7	2.8	2.6	.3	.3
Farm laborers and supervisors	1.4	1.3	1.8	1.6	.8	.9
White						
Total employed (thousands)	76,317	78,877	46,218	47,366	30,099	31,512
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.9	52.4	42.9	43.3	65.7	65.9
Professional and technical	15.8	16.1	15.4	15.6	16.3	17.0
Managers and administrators, except farm	11.4	11.6	15.1	15.3	5.8	6.0
Sales workers	6.7	6.8	6.2	6.4	7.5	7.5
Clerical workers	18.0	17.8	6.2	6.1	36.0	35.4
Blue-collar workers	32.5	32.4	44.6	44.6	13.9	13.9
Craft and kindred workers	13.5	13.4	21.2	21.3	1.6	1.5
Operatives, except transport	11.2	10.9	11.5	11.1	10.6	10.6
Transport equipment operatives	3.6	3.6	5.6	5.6	.6	.7
Nonfarm laborers	4.2	4.5	6.3	6.7	1.1	1.2
Service workers	12.4	12.2	7.8	7.7	19.4	18.9
Private household workers	1.0	1.0	(1)	(1)	2.4	2.5
Other service workers	11.4	11.1	7.8	7.7	17.0	16.3
Farm workers	3.3	3.1	4.7	4.3	1.1	1.3
Farmers and farm managers	2.0	1.8	3.1	2.8	.3	.3
Farm laborers and supervisors	1.3	1.3	1.6	1.5	.8	.9
Black and other						
Total employed (thousands)	9,238	9,664	5,011	5,178	4,228	4,487
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	34.9	35.6	27.1	26.2	44.3	46.3
Professional and technical	11.6	12.2	9.9	10.1	13.6	14.7
Managers and administrators, except farm	4.9	4.5	6.5	5.9	3.0	2.8
Sales workers	2.5	2.2	2.3	2.3	2.6	2.1
Clerical workers	16.0	16.7	8.4	8.0	25.0	26.7
Blue-collar workers	37.1	37.6	53.4	54.5	18.1	18.1
Craft and kindred workers	8.3	8.8	14.6	15.7	.9	.9
Operatives, except transport	15.1	16.0	14.9	16.6	15.4	15.4
Transport equipment operatives	5.4	4.7	9.5	8.4	.6	.4
Nonfarm laborers	8.3	8.0	14.3	13.7	1.3	1.5
Service workers	25.4	24.8	15.8	16.1	36.9	34.9
Private household workers	4.7	4.5	.2	.3	10.1	9.5
Other service workers	20.7	20.3	15.6	15.9	26.8	25.4
Farm workers	2.4	2.0	3.7	3.1	.8	.6
Farmers and farm managers	.4	.4	.7	.7	--	--
Farm laborers and supervisors	2.0	1.6	3.0	2.5	.8	.5

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	November 1976								
	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	79,280	1,443	15,195	62,642	5,757	424	1,178	1,609	294
16 to 19 years	6,486	335	486	5,664	95	25	246	16	59
16 to 17 years	2,492	253	124	2,115	36	11	124	10	40
18 to 19 years	3,994	82	362	3,549	59	14	123	6	19
20 to 24 years	11,793	130	1,649	10,015	317	23	230	90	21
25 to 34 years	20,720	165	4,412	16,143	1,177	70	263	242	44
35 to 44 years	14,819	153	3,189	11,477	1,255	111	125	275	62
45 to 54 years	14,278	198	3,171	10,909	1,404	98	154	353	49
55 to 64 years	9,236	276	1,975	6,986	1,032	74	123	371	42
55 to 59 years	5,789	128	1,259	4,402	597	50	67	195	26
60 to 64 years	3,447	148	716	2,583	435	24	57	176	16
65 years and over	1,947	186	313	1,448	477	23	37	263	15
Males, 16 years and over	45,815	172	7,616	38,026	4,164	34	963	1,473	95
16 to 19 years	3,259	51	222	2,985	63	8	206	16	61
16 to 17 years	1,252	35	59	1,158	17	5	107	10	39
18 to 19 years	2,006	16	163	1,827	46	3	99	6	22
20 to 24 years	6,311	28	642	5,641	192	10	198	87	15
25 to 34 years	12,490	19	2,186	10,284	804	1	209	217	6
35 to 44 years	8,765	14	1,648	7,103	930	--	98	252	2
45 to 54 years	8,397	15	1,658	6,724	1,046	--	117	328	--
55 to 64 years	5,491	19	1,085	4,387	779	11	98	338	5
55 to 59 years	3,423	7	684	2,733	444	3	47	180	4
60 to 64 years	2,067	12	401	1,654	335	8	51	158	1
65 years and over	1,103	26	175	902	348	4	36	235	6
Females, 16 years and over	33,465	1,271	7,579	24,615	1,594	389	215	136	199
16 to 19 years	3,227	284	264	2,679	32	17	40	--	--
16 to 17 years	1,240	218	65	957	19	6	17	--	1
18 to 19 years	1,987	66	199	1,722	13	10	24	--	--
20 to 24 years	5,482	101	1,007	4,374	125	13	32	4	6
25 to 34 years	8,230	145	2,226	5,859	373	68	54	25	38
35 to 44 years	6,054	139	1,541	4,374	325	110	27	23	61
45 to 54 years	5,881	184	1,513	4,184	358	99	37	25	50
55 to 64 years	3,746	257	890	2,599	253	63	25	32	37
55 to 59 years	2,366	121	575	1,670	153	47	19	15	22
60 to 64 years	1,380	136	315	929	100	17	5	17	14
65 years and over	844	160	138	546	129	19	1	27	9

A-24. Employed persons by industry and occupation

(In thousands)

Industry	November 1976											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Profes- sional and technical workers	Managers and adminis- trators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,081	53	29	7	74	38	19	33	195	--	5	2,627
Mining	865	93	63	6	87	293	244	52	19	--	9	--
Construction	5,190	183	586	15	363	2,935	186	191	701	--	29	--
Manufacturing	20,135	2,040	1,433	453	2,384	3,827	7,721	797	1,094	--	385	--
Durable goods	12,039	1,366	843	154	1,296	2,591	4,524	367	665	--	232	--
Nondurable goods	8,097	674	590	299	1,088	1,236	3,197	431	429	--	153	--
Transportation and public utilities	5,684	455	537	49	1,299	1,197	160	1,363	441	--	180	--
Wholesale and retail trade	18,388	362	3,607	3,893	3,173	1,440	1,038	652	1,193	--	3,031	--
Wholesale trade	3,462	130	695	825	739	299	188	288	--	--	40	--
Retail trade	14,926	232	2,912	3,068	2,434	1,141	850	364	935	--	2,991	--
Finance, insurance, and real estate	4,790	243	933	1,033	2,178	106	17	13	43	--	224	--
Services	25,774	9,604	1,782	139	4,438	1,277	706	163	504	1,247	5,917	--
Private households	1,466	6	1	--	12	3	--	139	1,247	--	58	--
Other service industries	24,308	9,598	1,781	139	4,426	1,274	704	163	365	--	5,859	--
Public administration	4,634	866	598	5	1,673	298	33	51	137	--	973	--

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

(In thousands)

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976	Nov. 1975	Nov. 1976
Total	3,279	3,386	3,136	3,241	1,327	1,400	1,466	1,469
Vacation	1,014	1,079	964	1,045	718	736	179	221
Illness	1,354	1,382	1,313	1,347	504	542	721	679
Bad weather	50	78	39	56	--	--	--	--
Industrial dispute	82	84	82	84	--	--	--	--
All other reasons	780	762	739	709	106	121	566	568
Males	2,013	2,029	1,884	1,909	903	935	751	741
Vacation	710	716	661	683	509	517	99	116
Illness	841	802	805	773	333	342	410	366
All other reasons ³	462	511	418	453	61	75	242	259
Females	1,266	1,357	1,252	1,332	424	466	714	729
Vacation	304	363	303	362	207	219	80	107
Illness	512	580	508	574	171	200	310	313
All other reasons ³	450	414	441	396	45	47	324	309

¹Excludes private household.

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

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

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

Hours of work	November 1976					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	85,156	82,219	2,937	100.0	100.0	100.0
1-34 hours	22,969	22,008	961	27.0	26.8	32.7
1-4 hours	811	771	40	1.0	.9	1.4
5-14 hours	4,315	4,090	225	5.1	5.0	7.7
15-29 hours	10,520	10,046	474	12.4	12.2	16.1
30-34 hours	7,323	7,101	222	8.6	8.6	7.6
35 hours and over	62,188	60,210	1,976	73.0	73.2	67.3
35-39 hours	5,433	5,332	101	6.4	6.5	3.4
40 hours	34,215	33,786	429	40.2	41.1	14.6
41 hours and over	22,540	21,092	1,446	26.5	25.7	49.2
41 to 48 hours	9,086	8,820	265	10.7	10.7	9.0
49 to 59 hours	7,536	7,140	395	8.8	8.7	13.4
60 hours and over	5,918	5,132	786	6.9	6.2	26.8
Average hours, total at work	38.4	38.2	43.8	--	--	--
Average hours, workers on full-time schedules	43.0	42.7	52.8	--	--	--

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

[Numbers in thousands]

Reason for working less than 35 hours	November 1976					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	22,968	8,157	14,811	22,007	7,821	14,186
Economic reasons	3,496	1,362	2,134	3,244	1,210	2,034
Sleek work	1,804	1,105	699	1,599	959	640
Material shortages or repairs to plant and equipment	37	37	--	37	37	--
New job started during week	139	139	--	135	135	--
Job terminated during week	80	80	--	79	79	--
Could find only part-time work	1,435	--	1,435	1,393	--	1,393
Other reasons	19,472	6,795	12,677	18,763	6,611	12,153
Does not want, or unavailable for, full-time work	10,594	--	10,594	10,180	--	10,180
Vacation	662	662	--	648	648	--
Illness	1,726	1,513	213	1,681	1,492	189
Bad weather	425	425	--	330	330	--
Industrial dispute	33	33	--	33	33	--
Legal or religious holiday	2,918	2,918	--	2,907	2,907	--
Full time for this job	1,305	--	1,305	1,274	--	1,274
All other reasons	1,808	1,244	564	1,711	1,201	510
Average hours:						
Economic reasons	21.2	23.9	19.5	21.3	24.2	19.6
Other reasons	21.6	28.0	18.1	21.6	28.1	18.1
Worked 30 to 34 hours:						
Economic reasons	1,001	551	450	934	500	434
Other reasons	6,322	4,440	1,882	6,167	4,354	1,813

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

[Numbers in thousands]

Industry	November 1976								Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	Full- or part-time status								
		On part time for economic reasons	On voluntary part time	On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
Total ¹	82,219	3,244	12,153	66,822	45,730	8,820	12,272	38.2	42.7	
Wage and salary workers	76,355	2,915	11,059	62,381	43,797	8,305	10,279	37.9	42.2	
Construction	4,115	266	207	3,642	2,721	397	524	38.5	41.1	
Manufacturing	18,961	556	604	17,801	12,540	2,799	2,462	41.0	42.2	
Durable goods	11,303	240	228	10,835	7,625	1,703	1,507	41.5	42.3	
Nondurable goods	7,658	316	376	6,966	4,915	1,096	955	40.2	42.0	
Transportation and public utilities	5,197	174	319	4,704	3,325	588	791	40.5	42.6	
Wholesale and retail trade	15,950	815	4,204	10,931	6,764	1,879	2,288	36.0	43.5	
Finance, insurance, and real estate	4,344	88	440	3,816	2,856	352	608	38.5	41.0	
Service industries	22,553	954	5,019	16,580	11,936	1,791	2,853	35.4	41.9	
Private households	1,388	214	747	427	305	40	82	22.4	43.6	
All other industries	21,165	740	4,272	16,153	11,631	1,751	2,771	36.3	41.9	
Public administration	4,454	44	247	4,163	3,252	381	530	39.3	40.8	
Self-employed workers	5,441	323	898	4,220	1,814	488	1,918	42.1	49.3	
Unpaid family workers	424	6	196	222	119	27	76	34.8	46.7	

¹ Includes mining not shown separately.

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A-29. Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status

[Numbers in thousands]

Sex, age, race, and marital status	November 1976							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	82,219	3,244	12,153	66,822	45,730	21,092	38.2	42.7
16 to 21 years	10,970	797	4,433	5,740	4,401	1,339	29.5	40.9
16 to 19 years	6,430	494	3,429	2,507	1,987	520	25.7	40.2
16 to 17 years	2,478	113	2,093	272	224	48	17.7	38.5
18 to 19 years	3,952	382	1,337	2,233	1,763	470	30.7	40.4
20 years and over	75,789	2,750	8,724	64,315	43,741	20,574	39.3	42.8
20 to 24 years	11,770	671	1,867	9,232	6,763	2,469	36.7	41.5
25 years and over	64,019	2,079	6,857	55,083	36,978	18,105	39.8	43.0
25 to 44 years	36,812	1,190	3,383	32,239	21,266	10,973	40.3	43.1
45 to 64 years	24,927	810	2,424	21,693	14,927	6,766	39.9	42.8
65 years and over	2,280	78	1,050	1,152	786	366	29.6	42.5
Males, 16 years and over	48,104	1,482	3,788	42,834	26,187	16,647	41.3	44.1
16 to 21 years	5,614	358	2,069	3,187	2,226	961	31.4	41.9
16 to 19 years	3,235	217	1,659	1,359	1,004	355	27.3	41.1
16 to 17 years	1,238	48	1,026	164	125	39	19.0	38.7
18 to 19 years	1,997	170	632	1,195	880	315	32.4	41.4
20 years and over	44,869	1,265	2,130	41,474	25,181	16,293	42.4	44.2
20 to 24 years	6,335	334	777	5,224	3,389	1,835	38.7	43.0
25 years and over	38,534	931	1,353	36,250	21,792	14,458	43.0	44.4
25 to 44 years	22,233	550	403	21,280	12,426	8,854	43.7	44.6
45 to 64 years	14,955	339	394	14,222	8,871	5,351	42.9	44.1
65 years and over	1,346	42	556	748	496	252	31.1	42.7
Females, 16 years and over	34,116	1,761	8,364	23,991	19,546	4,445	33.8	40.1
16 to 21 years	5,356	439	2,364	2,553	2,175	378	27.5	39.6
16 to 19 years	3,195	277	1,771	1,147	983	164	24.0	39.2
16 to 17 years	1,240	65	1,066	109	99	10	16.3	38.1
18 to 19 years	1,955	212	704	1,039	884	155	28.9	39.4
20 years and over	30,920	1,484	6,594	22,842	18,561	4,281	34.8	40.1
20 to 24 years	5,435	336	1,089	4,010	3,375	635	34.4	39.6
25 years and over	25,485	1,148	5,505	18,832	15,186	3,646	34.9	40.2
25 to 44 years	14,579	641	2,981	10,957	8,839	2,118	35.1	40.1
45 to 64 years	9,972	471	2,030	7,471	6,056	1,415	35.2	40.3
65 years and over	934	36	494	404	290	114	27.3	42.0
RACE								
White	73,233	2,606	11,133	59,494	39,696	19,798	38.3	42.9
Males	43,361	1,170	3,446	38,745	23,060	15,685	41.6	44.3
Females	29,872	1,436	7,687	20,749	16,636	4,113	33.6	40.2
Black and other	8,986	637	1,020	7,329	6,033	1,296	37.0	41.0
Males	4,743	312	343	4,088	3,125	963	39.0	42.1
Females	4,244	325	677	3,242	2,910	332	34.7	39.5
MARITAL STATUS								
Males:								
Married, spouse present	34,960	738	1,138	33,084	19,647	13,437	43.2	44.5
Widowed, divorced, or separated	3,333	146	190	2,997	1,829	1,168	41.8	44.3
Single (never married)	9,810	599	2,460	6,751	4,709	2,042	34.7	42.3
Females:								
Married, spouse present	19,763	954	4,855	13,954	11,464	2,490	34.0	39.9
Widowed, divorced, or separated	6,157	356	938	4,863	3,846	1,017	36.2	40.6
Single (never married)	8,196	453	2,571	5,172	4,234	938	31.4	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	November 1976								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full- time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
TOTAL									
White-collar workers	43,322	950	6,321	36,051	24,009	4,302	7,740	38.9	43.0
Professional and technical	13,518	224	1,614	11,680	7,593	1,450	2,637	39.6	43.1
Managers and administrators, except farm	9,244	95	402	8,747	4,155	1,268	3,324	45.8	47.2
Sales workers	5,386	202	1,424	3,760	2,293	463	1,004	36.2	44.0
Clerical workers	15,175	428	2,881	11,866	9,970	1,121	775	35.2	39.6
Blue-collar workers	27,819	1,477	2,106	24,236	16,771	3,746	3,719	39.6	42.4
Craft and kindred workers	10,878	418	392	10,068	6,741	1,607	1,720	41.0	42.7
Operatives, except transport	9,629	574	668	8,387	6,160	1,334	893	39.1	41.7
Transport equipment operatives	3,158	132	285	2,741	1,559	406	776	41.8	45.2
Nonfarm laborers	4,154	353	762	3,039	2,309	400	330	35.0	40.9
Service workers	11,514	853	3,801	6,860	5,101	823	936	32.2	42.1
Private household	1,200	167	672	361	263	33	65	22.1	43.0
Other service workers	10,314	686	3,129	6,499	4,838	790	871	33.4	42.1
Males									
White-collar workers	21,222	262	1,339	19,621	10,650	2,731	6,240	43.5	45.6
Professional and technical	7,721	80	482	7,159	4,215	921	2,023	42.7	44.7
Managers and administrators, except farm	7,282	77	178	7,027	3,077	1,016	2,934	47.0	48.0
Sales workers	3,048	50	346	2,652	1,371	380	901	42.0	45.5
Clerical workers	3,170	55	334	2,781	1,987	413	381	38.8	41.8
Blue-collar workers	22,873	1,038	1,502	20,333	13,577	3,286	3,470	40.3	42.8
Craft and kindred workers	10,395	398	307	9,690	6,437	1,564	1,689	41.2	42.8
Operatives, except transport	5,823	237	377	5,209	3,528	961	720	40.4	42.7
Transport equipment operatives	2,940	104	176	2,660	1,501	404	755	42.9	45.3
Nonfarm laborers	3,715	300	642	2,773	2,111	357	305	35.3	40.9
Service workers	4,324	203	986	3,135	2,076	450	609	36.5	43.8
Private household	27	2	9	16	7	2	7	35.9	54.8
Other service workers	4,297	201	976	3,120	2,071	448	601	36.5	43.7
Females									
White-collar workers	22,100	687	4,981	16,432	13,361	1,571	1,500	34.6	39.9
Professional and technical	5,796	143	1,132	4,521	3,379	529	613	35.4	40.5
Managers and administrators, except farm	1,961	18	224	1,719	1,078	252	389	41.2	43.9
Sales workers	2,338	152	1,078	1,108	924	82	102	28.7	40.2
Clerical workers	12,005	373	2,547	9,085	7,982	708	395	34.2	38.9
Blue-collar workers	4,946	439	604	3,903	3,193	461	249	36.2	40.1
Craft and kindred workers	483	20	85	378	305	43	30	36.5	40.4
Operatives, except transport	3,806	337	291	3,178	2,632	373	173	37.1	40.0
Transport equipment operatives	219	29	108	82	58	2	22	27.2	43.3
Nonfarm laborers	438	53	120	265	197	43	25	32.6	41.1
Service workers	7,190	650	2,815	3,725	3,025	373	327	29.6	40.7
Private household	1,173	165	663	345	256	31	58	21.8	42.5
Other service workers	6,017	485	2,153	3,379	2,767	342	270	31.1	40.6

HOUSEHOLD DATA

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

[Numbers in thousands]

Employment status	November 1976								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,387	4,269	4,118	7,070	3,608	3,462	1,317	661	656
Civilian labor force	1,377	718	660	1,291	675	616	86	43	43
Employed	1,184	601	583	1,136	577	559	48	24	24
Agriculture	95	88	7	94	87	7	1	1	--
Nonagricultural industries	1,089	513	576	1,042	491	551	47	23	24
Unemployed	193	117	77	155	98	57	38	19	19
Unemployment rate	14.0	16.3	11.7	12.0	14.5	9.3	44.2	(1)	(1)
Not in labor force	7,009	3,551	3,458	5,778	2,932	2,846	1,231	619	612
Keeping house	57	6	51	50	6	45	7	1	6
Going to school	6,850	3,499	3,350	5,643	2,889	2,755	1,207	611	596
Unable to work	11	7	3	11	7	3	--	--	--
All other reasons	92	38	54	74	3	43	17	7	10

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	November 1976					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,184	601	583	100.0	100.0	100.0
Nonagricultural industries	1,089	513	576	92.0	85.4	98.6
Wage and salary workers	995	439	557	84.0	73.0	95.4
Private household workers	449	76	373	37.9	12.6	63.9
Government workers	31	18	13	2.6	3.0	2.2
Other wage and salary workers	515	345	170	43.5	57.4	29.1
Self-employed workers	88	72	16	7.4	12.0	2.7
Unpaid family workers	6	2	4	.5	.3	.7
Agriculture	95	88	7	8.0	14.6	1.2
Wage and salary workers	51	46	6	4.3	7.7	1.0
Self-employed workers	6	7	--	.5	1.2	--
Unpaid family workers	37	35	2	3.1	5.8	.3
OCCUPATION						
Total	1,184	601	583	100.0	100.0	100.0
White-collar workers	247	174	73	20.9	29.0	12.5
Professional and technical	6	2	4	.5	.3	.7
Managers and administrators, except farm	2	1	--	.2	.2	--
Sales workers	193	158	35	16.3	26.3	6.0
Clerical workers	46	12	35	3.9	2.0	6.0
Blue-collar workers	209	190	18	17.7	31.6	3.1
Craft and kindred workers	19	20	--	1.6	3.3	--
Operatives, except transport	40	29	12	3.4	4.8	2.1
Transport equipment operatives	1	1	--	.1	.2	--
Nonfarm laborers	149	141	8	12.6	23.5	1.4
Service workers	647	161	486	54.6	26.8	83.5
Private household workers	405	26	379	34.2	4.3	65.1
Other service workers	242	135	107	20.4	22.5	18.4
Farm workers	81	76	5	6.8	12.6	.9
Farmers and farm managers	3	3	--	.3	.5	--
Farm laborers and supervisors	78	73	5	6.6	12.1	.9

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(Numbers in thousands)

Employment status	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total noninstitutional population ¹	154,476	154,700	154,915	155,106	155,325	155,516	155,711	155,925	156,142	156,367	156,595	156,788	157,006
Total labor force	95,272	95,286	95,624	95,601	95,866	96,583	96,699	96,780	97,473	97,634	97,348	97,489 ^c	98,048
Percent of total population	61.7	61.6	61.7	61.6	61.7	62.1	62.1	62.1	62.4	62.4	62.2	62.2	62.4
Civilian noninstitutional population ¹	152,320	152,543	152,775	152,960	153,178	153,371	153,570	153,788	154,002	154,220	154,451	154,642	154,857
Civilian labor force	93,117	93,129	93,484	93,455	93,719	94,439	94,557	94,643	95,333	95,487	95,203	95,342	95,899
Percent of civilian population	61.1	61.1	61.2	61.1	61.2	61.6	61.6	61.5	61.9	61.9	61.6	61.7	61.9
Employed	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907	87,981	87,819	87,773	88,130
Percent of civilian population	55.9	56.0	56.4	56.4	56.6	57.0	57.1	56.9	57.1	57.0	56.9	56.8	56.9
Agriculture	3,301	3,236	3,343	3,170	3,179	3,417	3,329	3,294	3,341	3,424	3,286	3,329	3,232
Nonagricultural industries	81,877	82,158	82,851	83,149	83,513	83,982	84,368	84,206	84,586	84,557	84,533	84,444	84,898
Unemployed	7,939	7,735	7,290	7,136	7,027	7,040	6,860	7,143	7,426	7,506	7,384	7,569	7,769
Unemployment rate	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8	7.9	7.8	7.9	8.1
Not in labor force	59,203	59,414	59,291	59,505	59,459	58,932	59,013	59,145	58,669	58,733	59,248	59,300	58,958
Males, 20 years and over													
Total noninstitutional population ¹	65,542	65,643	65,739	65,821	65,920	66,002	66,087	66,182	66,279	66,384	66,491	66,598	66,699
Total labor force	52,888	52,651	52,576	52,603	52,623	53,010	53,144	53,144	52,387	53,436	53,563	53,682	53,869
Percent of total population	80.7	80.2	80.0	79.9	79.8	80.3	80.4	80.3	80.5	80.5	80.6	80.6	80.8
Civilian noninstitutional population ¹	63,830	63,929	64,055	64,133	64,230	64,311	64,398	64,492	64,586	64,688	64,796	64,902	65,001
Civilian labor force	51,176	50,937	50,892	50,914	50,934	51,319	51,455	51,454	51,694	51,740	51,869	51,986	52,171
Percent of civilian population	80.2	79.7	79.5	79.4	79.3	79.8	79.9	79.8	80.0	80.0	80.0	80.1	80.3
Employed	47,521	47,586	47,916	47,997	48,081	48,524	48,596	48,391	48,535	48,682	48,721	48,716	48,768
Agriculture	2,386	2,316	2,351	2,305	2,301	2,405	2,427	2,430	2,449	2,415	2,326	2,342	2,271
Nonagricultural industries	45,135	45,270	45,565	45,692	45,780	46,119	46,169	45,961	46,086	46,267	46,395	46,374	46,497
Unemployed	3,655	3,351	2,976	2,917	2,853	2,795	2,859	3,063	3,159	3,058	3,148	3,270	3,403
Unemployment rate	7.1	6.6	5.8	5.7	5.6	5.4	5.6	6.0	6.1	5.9	6.1	6.3	6.5
Not in labor force	12,654	12,992	13,163	13,219	13,296	12,992	12,943	13,038	12,892	12,948	12,927	12,916	12,830
Females, 20 years and over													
Civilian noninstitutional population ¹	72,139	72,251	72,354	72,452	72,561	72,653	72,753	72,857	72,966	73,078	73,196	73,288	73,401
Civilian labor force	33,256	33,415	33,683	33,687	33,865	34,019	33,972	34,290	34,583	34,639	34,505	34,396	34,790
Percent of population	46.1	46.2	46.6	46.5	46.7	46.8	46.7	47.1	47.4	47.4	47.1	46.9	47.4
Employed	30,619	30,755	31,140	31,165	31,398	31,523	31,664	31,845	31,958	31,988	31,907	31,799	32,126
Agriculture	491	483	545	420	442	540	473	479	488	546	524	562	554
Nonagricultural industries	30,128	30,272	30,595	30,745	30,956	30,983	31,191	31,366	31,470	31,442	31,383	31,237	31,572
Unemployed	2,637	2,660	2,543	2,522	2,467	2,496	2,308	2,445	2,625	2,651	2,598	2,597	2,664
Unemployment rate	7.9	8.0	7.5	7.5	7.3	7.3	6.8	7.1	7.6	7.7	7.5	7.6	7.7
Not in labor force	38,883	38,836	38,671	38,765	38,696	38,634	38,781	38,567	38,383	38,439	38,691	38,892	38,611
Both sexes, 16-19 years													
Civilian noninstitutional population ¹	16,352	16,363	16,366	16,376	16,387	16,407	16,419	16,439	16,450	16,454	16,458	16,452	16,455
Civilian labor force	8,685	8,777	8,909	8,854	8,920	9,101	9,130	8,899	9,056	9,108	8,829	8,960	8,938
Percent of population	53.1	53.6	54.4	54.1	54.4	55.5	55.6	54.1	55.1	55.4	53.6	54.5	54.3
Employed	7,038	7,053	7,138	7,157	7,213	7,352	7,437	7,264	7,414	7,311	7,191	7,258	7,236
Agriculture	424	437	447	445	436	472	429	385	404	463	436	425	407
Nonagricultural industries	6,614	6,616	6,691	6,712	6,777	6,880	7,008	6,879	7,010	6,848	6,755	6,833	6,829
Unemployed	1,647	1,724	1,771	1,697	1,707	1,749	1,693	1,635	1,642	1,797	1,638	1,702	1,702
Unemployment rate	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1	19.7	18.6	19.0	19.0
Not in labor force	7,667	7,586	7,457	7,522	7,467	7,306	7,289	7,540	7,394	7,346	7,629	7,492	7,517

¹ Because seasonality, by definition, does not exist in population figures, these figures are not seasonally adjusted.

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. c = corrected.

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

(Numbers in thousands)

Full- and part-time employment status	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	79,738	79,824	79,801	79,900	80,283	80,633	80,750	80,499	81,083	81,186	80,959	81,439	81,951
Employed	73,112	73,500	73,962	74,222	74,646	75,024	75,299	74,663	75,181	75,127	74,870	75,218	75,625
Unemployed	6,626	6,324	5,839	5,678	5,637	5,609	5,451	5,836	5,902	6,059	6,089	6,221	6,326
Unemployment rate	8.3	7.9	7.3	7.1	7.0	7.0	6.8	7.2	7.3	7.5	7.5	7.6	7.7
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,411	13,295	13,760	13,657	13,480	13,911	13,651	14,150	14,305	14,511	14,466	14,016	13,964
Employed	12,049	11,893	12,317	12,231	12,098	12,425	12,263	12,875	12,768	13,074	13,116	12,585	12,499
Unemployed	1,362	1,402	1,442	1,426	1,382	1,486	1,388	1,275	1,537	1,437	1,350	1,431	1,465
Unemployment rate	10.2	10.5	10.5	10.4	10.3	10.7	10.2	9.0	10.7	9.9	9.3	10.2	10.5

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

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Characteristics	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
WHITE													
Total, 16 years and over:													
Civilian labor force	82,517	82,474	82,738	82,715	82,961	83,451	83,642	83,805	84,359	84,503	84,371	84,595	84,837
Employed	76,059	76,223	76,839	77,101	77,282	77,867	78,087	78,120	78,341	78,468	78,365	78,402	78,572
Unemployed	6,458	6,251	5,899	5,614	5,679	5,584	5,555	5,685	6,018	6,035	6,006	6,193	6,265
Unemployment rate	7.8	7.6	7.1	6.8	6.8	6.7	6.6	6.8	7.1	7.1	7.1	7.3	7.4
Males, 20 years and over:													
Civilian labor force	45,878	45,631	45,620	45,659	45,726	45,954	46,098	46,140	46,320	46,381	46,551	46,678	46,723
Employed	42,905	42,954	43,229	43,363	43,399	43,685	43,730	43,658	43,698	43,842	43,897	43,966	43,979
Unemployed	2,973	2,677	2,391	2,296	2,327	2,269	2,368	2,482	2,622	2,539	2,654	2,712	2,744
Unemployment rate	6.5	5.9	5.2	5.0	5.1	4.9	5.1	5.4	5.7	5.5	5.7	5.8	5.9
Females, 20 years and over:													
Civilian labor force	28,882	29,012	29,137	29,137	29,276	29,379	29,403	29,673	29,874	29,985	29,857	29,866	30,128
Employed	26,724	26,830	27,086	27,177	27,291	27,410	27,542	27,754	27,805	27,900	27,821	27,731	27,969
Unemployed	2,158	2,182	2,051	1,960	1,985	1,969	1,861	1,919	2,069	2,085	2,036	2,135	2,159
Unemployment rate	7.5	7.5	7.0	6.7	6.8	6.7	6.3	6.5	6.9	7.0	6.8	7.1	7.2
Both sexes, 16 to 19 years:													
Civilian labor force	7,757	7,831	7,981	7,919	7,959	8,118	8,141	7,992	8,165	8,137	7,963	8,051	7,986
Employed	6,430	6,439	6,524	6,561	6,592	6,772	6,815	6,708	6,838	6,726	6,647	6,705	6,624
Unemployed	1,327	1,392	1,457	1,358	1,367	1,346	1,326	1,284	1,327	1,411	1,316	1,346	1,362
Unemployment rate	17.1	17.8	18.3	17.1	17.2	16.6	16.3	16.1	16.3	17.3	16.5	16.7	17.1
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,684	10,653	10,731	10,795	10,748	10,901	10,838	10,826	10,867	11,003	10,930	10,923	11,127
Employed	9,197	9,188	9,314	9,315	9,407	9,489	9,511	9,382	9,466	9,505	9,538	9,448	9,619
Unemployed	1,487	1,465	1,417	1,480	1,341	1,412	1,327	1,444	1,401	1,498	1,392	1,475	1,508
Unemployment rate	13.9	13.8	13.2	13.7	12.5	13.0	12.2	13.3	12.9	13.6	12.7	13.5	13.6
Males, 20 years and over:													
Civilian labor force	5,338	5,285	5,245	5,276	5,182	5,319	5,348	5,367	5,348	5,377	5,393	5,393	5,472
Employed	4,653	4,633	4,657	4,686	4,649	4,788	4,854	4,792	4,795	4,842	4,874	4,806	4,811
Unemployed	685	652	588	590	533	531	494	575	553	535	519	587	661
Unemployment rate	12.8	12.3	11.2	11.2	10.3	10.0	9.2	10.7	10.3	9.9	9.6	10.9	12.1
Females, 20 years and over:													
Civilian labor force	4,421	4,419	4,527	4,581	4,610	4,626	4,553	4,591	4,611	4,649	4,645	4,611	4,703
Employed	3,936	3,940	4,030	4,021	4,145	4,120	4,081	4,072	4,073	4,079	4,115	4,076	4,194
Unemployed	485	479	497	560	465	506	472	519	538	570	530	535	509
Unemployment rate	11.0	10.8	11.0	12.2	10.1	10.9	10.4	11.3	11.7	12.3	11.4	11.6	10.8
Both sexes, 16 to 19 years:													
Civilian labor force	925	949	959	938	956	956	937	868	908	977	892	919	952
Employed	608	615	627	608	613	581	576	518	598	584	549	566	614
Unemployed	317	334	332	330	343	375	361	350	310	393	343	353	338
Unemployment rate	34.3	35.2	34.6	35.2	35.9	39.2	38.5	40.3	34.1	40.2	38.5	38.4	35.5

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Characteristics													
Total (all civilian workers)	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8	7.9	7.8	7.9	8.1
Males, 20 years and over	7.1	6.6	5.8	5.7	5.6	5.4	5.6	6.0	6.1	5.9	6.1	6.3	6.5
Females, 20 years and over	7.9	8.0	7.5	7.5	7.3	7.3	6.8	7.1	7.6	7.7	7.5	7.6	7.7
Both sexes, 16-19 years	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1	19.7	18.6	19.0	19.0
White	7.8	7.6	7.1	6.8	6.8	6.7	6.6	6.8	7.1	7.1	7.1	7.3	7.4
Black and other	13.9	13.8	13.2	13.7	12.5	13.0	12.2	13.3	12.9	13.6	12.7	13.5	13.6
Household heads	5.8	5.7	5.1	4.9	5.0	4.8	4.8	5.1	5.4	5.2	5.4	5.4	5.4
Married men	5.1	4.8	4.1	4.1	4.1	3.9	4.0	4.4	4.5	4.2	4.6	4.4	4.6
Full-time workers	8.3	7.9	7.3	7.1	7.0	7.0	6.8	7.4	7.3	7.5	7.5	7.6	7.7
Part-time workers	10.2	10.5	10.5	10.4	10.3	10.7	10.2	9.0	10.7	9.9	9.3	10.2	10.5
Unemployed 15 weeks and over ¹	3.2	3.3	3.0	2.7	2.4	2.2	2.1	2.3	2.4	2.5	2.4	2.4	2.7
Labor force time lost ²	9.3	8.9	8.4	8.1	8.2	8.2	8.1	7.7	7.9	8.2	8.4	8.8	8.8
OCCUPATION													
White-collar workers	4.8	4.8	4.7	4.6	4.6	4.8	4.6	4.4	4.8	5.0	4.5	4.5	4.7
Professional and technical	3.7	3.1	3.0	3.6	3.5	3.4	3.2	2.9	3.1	3.1	3.0	3.1	3.6
Managers and administrators, except farm	2.9	3.0	2.9	2.9	2.9	2.8	3.2	3.1	3.5	3.5	3.2	2.8	3.0
Sales workers	6.3	6.3	6.4	5.2	5.0	4.9	4.8	5.1	5.4	5.9	5.4	5.4	5.9
Clerical workers	6.4	6.6	6.4	6.1	6.3	7.0	6.4	6.1	6.7	7.0	6.2	6.2	6.2
Blue-collar workers	11.3	10.7	9.4	9.3	9.1	9.0	9.0	9.3	9.6	9.8	9.8	9.7	9.8
Craft and kindred workers	8.3	7.2	6.6	6.7	6.7	7.0	6.2	7.3	7.4	7.0	7.0	6.8	7.2
Operatives	12.4	12.2	10.2	9.8	9.8	9.3	9.5	9.8	10.1	10.3	10.5	10.7	10.7
Nonfarm laborers	15.5	14.9	14.1	14.1	12.9	13.2	14.0	12.7	13.2	14.8	14.5	13.9	13.2
Service workers	8.7	9.2	9.3	8.9	8.6	8.1	8.1	8.6	8.5	8.5	8.6	9.5	9.2
Farm workers	3.8	4.5	3.9	3.9	5.0	4.8	5.0	4.1	4.5	3.5	3.7	4.0	5.0
INDUSTRY													
Nonagricultural private wage and salary workers ³	9.2	8.9	8.1	8.0	7.7	7.6	7.6	7.8	8.0	8.2	8.0	8.1	8.3
Construction	17.5	16.6	15.4	15.5	16.0	15.3	14.1	17.0	17.7	17.1	15.8	14.9	15.4
Manufacturing	10.5	9.6	8.1	8.0	7.3	7.6	7.3	7.6	7.8	8.2	8.0	8.2	8.3
Durable goods	10.8	9.9	8.2	8.0	7.4	7.7	7.4	7.5	7.3	7.7	7.4	8.1	7.7
Nondurable goods	10.0	9.2	8.0	8.1	7.1	7.6	7.3	7.7	8.4	8.9	8.9	8.2	9.1
Transportation and public utilities	4.9	5.1	4.9	4.7	4.5	4.1	5.3	5.2	5.2	4.7	5.4	5.6	5.7
Wholesale and retail trade	9.4	9.4	8.7	8.4	8.7	8.3	8.1	8.2	8.5	9.0	8.8	9.0	9.2
Finance and service industries	7.0	7.0	7.0	6.8	6.1	6.2	6.4	6.3	6.4	6.5	6.3	6.6	6.9
Government workers	4.0	4.4	4.2	4.4	4.5	5.0	4.8	4.2	4.5	4.4	3.8	4.4	4.4
Agricultural wage and salary workers	10.2	12.4	10.8	10.6	11.8	11.6	13.1	10.9	12.4	10.0	10.6	11.2	13.1

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	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Duration													
Less than 5 weeks	2,641	2,648	2,706	2,686	2,609	2,979	2,855	2,618	2,951	2,829	2,828	3,010	2,739
5 to 14 weeks	2,469	2,244	2,091	1,856	1,905	1,883	1,947	2,261	2,028	2,427	2,453	2,355	2,608
15 weeks and over	3,004	3,080	2,785	2,515	2,294	2,035	1,998	2,215	2,317	2,387	2,314	2,330	2,556
15 to 26 weeks	1,286	1,413	1,155	957	903	669	830	914	1,116	1,143	1,123	1,066	1,211
27 weeks and over	1,718	1,667	1,630	1,558	1,391	1,366	1,168	1,301	1,201	1,244	1,191	1,264	1,345
Average (mean) duration, in weeks	16.9	17.0	16.9	16.2	15.8	15.7	15.0	16.9	15.8	15.5	15.4	15.4	15.6
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	32.5	33.2	35.7	38.1	38.3	43.2	42.0	36.9	40.4	37.0	37.2	39.1	34.7
5 to 14 weeks	30.4	28.1	27.6	26.3	28.0	27.3	28.6	31.9	27.8	31.8	32.3	30.6	33.0
15 weeks and over	37.0	38.6	36.7	35.6	33.7	29.5	29.4	31.2	31.8	31.2	30.5	30.3	32.3
15 to 26 weeks	15.8	17.7	15.2	13.6	13.3	9.7	12.2	12.9	15.3	15.0	14.8	13.9	15.3
27 weeks and over	21.2	20.9	21.5	22.1	20.4	19.8	17.2	18.3	16.5	16.3	15.7	16.4	17.0

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

Sex and age	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over	8.5	8.3	7.8	7.6	7.5	7.5	7.3	7.5	7.8	7.9	7.8	7.9	8.1
16 to 19 years	19.0	19.6	19.9	19.2	19.1	19.2	18.5	18.4	18.1	19.7	18.6	19.0	19.0
16 to 17 years	20.1	20.6	21.2	21.4	20.0	20.8	21.9	21.5	20.8	22.5	20.5	21.3	21.4
18 to 19 years	18.1	18.9	19.0	17.5	18.6	18.2	16.4	15.6	15.9	18.0	17.8	17.3	17.4
20 to 24 years	14.2	13.5	12.7	12.1	12.1	11.8	11.1	11.4	11.2	11.8	11.5	12.8	13.0
25 years and over	6.1	5.9	5.4	5.3	5.1	5.1	5.0	5.5	5.9	5.6	5.7	5.6	5.8
25 to 54 years	6.4	6.2	5.5	5.5	5.2	5.3	5.3	5.7	6.1	5.8	5.9	5.9	6.0
55 years and over	5.0	5.0	4.5	4.8	4.8	4.6	4.2	4.7	4.8	4.8	4.8	4.5	4.7
Males, 16 years and over	8.1	7.6	7.1	6.9	6.8	6.7	6.8	7.0	7.2	7.0	7.1	7.4	7.6
16 to 19 years	18.8	19.0	20.1	19.3	19.3	20.1	19.4	18.5	18.4	18.8	18.8	19.5	19.5
16 to 17 years	19.6	19.3	21.5	21.0	20.8	21.5	23.1	21.3	21.0	21.8	21.2	22.1	21.8
18 to 19 years	18.2	18.7	19.6	17.8	18.4	19.1	16.9	15.9	16.4	16.7	17.8	17.5	17.8
20 to 24 years	14.6	13.8	12.8	11.9	12.0	11.2	11.3	11.7	11.9	11.8	11.6	13.0	12.8
25 years and over	5.8	5.4	4.7	4.6	4.5	4.5	4.4	5.0	5.1	4.9	5.1	5.1	5.4
25 to 54 years	6.0	5.6	4.8	4.6	4.3	4.6	4.5	5.1	5.4	5.1	5.2	5.3	5.6
55 years and over	4.8	4.7	4.2	4.6	5.0	4.4	4.4	4.8	4.2	4.5	4.6	4.2	4.4
Females, 16 years and over	9.1	9.3	8.9	8.7	8.6	8.5	8.0	8.3	8.7	9.1	8.7	8.7	8.8
16 to 19 years	19.1	20.3	19.6	19.1	18.9	18.1	17.5	18.2	17.8	20.8	18.3	18.3	18.5
16 to 17 years	20.7	22.2	20.8	21.7	19.1	19.9	20.5	21.6	20.7	23.3	19.7	20.3	20.9
18 to 19 years	17.9	19.1	18.4	17.2	18.8	17.1	15.9	15.3	15.3	19.5	17.7	17.1	16.9
20 to 24 years	13.7	13.1	12.7	12.2	12.2	12.6	10.8	11.0	10.4	11.8	11.4	12.5	13.3
25 years and over	6.7	6.8	6.4	6.4	6.2	6.1	6.0	6.3	7.1	6.6	6.7	6.4	6.4
25 to 54 years	7.0	7.2	6.6	6.9	6.5	6.5	6.4	6.7	7.3	7.0	7.0	7.0	6.7
55 years and over	5.3	5.4	5.1	5.0	4.5	4.9	4.0	4.5	5.8	5.2	5.2	4.9	5.2

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

[Numbers in thousands]

Reason for unemployment	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
NUMBER OF UNEMPLOYED													
Job losers	4,444	3,955	3,481	3,440	3,502	3,499	3,461	3,623	3,843	3,781	3,756	3,778	3,925
Job leavers	872	862	849	848	760	831	881	882	964	1,008	929	953	862
Reentrants	1,846	1,975	1,985	1,864	1,857	1,833	1,781	1,795	1,856	1,935	1,895	1,903	2,091
New entrants	837	865	886	849	853	894	856	805	795	951	932	894	922
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	55.6	51.7	48.3	49.1	50.2	49.6	49.6	51.0	51.5	49.3	50.0	50.2	50.3
Job leavers	10.9	11.3	11.8	12.1	10.9	11.8	12.6	12.4	12.9	13.1	12.4	12.7	11.1
Reentrants	23.1	25.8	27.6	26.6	26.6	26.0	25.5	25.3	24.9	25.2	25.2	25.3	26.8
New entrants	10.5	11.3	12.3	12.1	12.2	12.7	12.3	11.3	10.7	12.4	12.4	11.9	11.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.8	4.2	3.7	3.7	3.7	3.7	3.7	3.8	4.0	4.0	3.9	4.0	4.1
Job leavers .....	.9	.9	.9	.9	.8	.9	.9	.9	1.0	1.1	1.0	1.0	.9
Reentrants	2.0	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.2
New entrants .....	.9	.9	.9	.9	.9	.9	.9	.9	.8	1.0	1.0	.9	1.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Sex and age	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907	87,981	87,819	87,773	88,130
16 to 19 years	7,038	7,053	7,138	7,157	7,213	7,352	7,437	7,264	7,414	7,311	7,191	7,258	7,236
16 to 17 years	2,920	2,887	2,973	2,877	2,921	2,998	2,914	2,847	3,011	2,970	2,912	2,864	2,888
18 to 19 years	4,121	4,162	4,197	4,281	4,267	4,360	4,483	4,404	4,406	4,333	4,292	4,403	4,349
20 to 24 years	11,550	11,753	11,898	12,056	12,075	12,290	12,430	12,368	12,511	12,302	12,334	12,253	12,363
25 years and over	66,552	66,634	67,257	67,116	67,411	67,744	67,818	67,904	67,886	68,268	68,358	68,347	68,496
25 to 54 years	53,056	53,133	53,702	53,732	54,037	54,290	54,373	54,535	54,516	54,809	54,829	54,758	54,810
55 years and over	13,441	13,455	13,547	13,491	13,399	13,403	13,395	13,382	13,406	13,515	13,579	13,584	13,628
Males, 16 years and over	51,325	51,390	51,761	51,870	51,944	52,490	52,554	52,243	52,501	52,655	52,564	52,613	52,631
16 to 19 years	3,804	3,804	3,845	3,873	3,863	3,966	3,958	3,852	3,966	3,973	3,843	3,897	3,863
16 to 17 years	1,608	1,587	1,610	1,573	1,565	1,666	1,557	1,522	1,645	1,657	1,578	1,598	1,580
18 to 19 years	2,196	2,211	2,230	2,300	2,279	2,302	2,362	2,328	2,327	2,309	2,276	2,305	2,285
20 to 24 years	6,303	6,418	6,525	6,675	6,638	6,795	6,836	6,703	6,781	6,714	6,778	6,774	6,820
25 years and over	41,227	41,205	41,466	41,328	41,462	41,702	41,746	41,708	41,694	41,892	41,993	42,005	41,961
25 to 54 years	32,790	32,798	33,017	33,092	33,242	33,338	33,425	33,329	33,316	33,440	33,521	33,546	33,454
55 years and over	8,406	8,379	8,416	8,295	8,263	8,333	8,344	8,353	8,406	8,464	8,488	8,461	8,467
Females, 16 years and over	33,853	34,004	34,433	34,449	34,748	34,909	35,143	35,257	35,406	35,326	35,255	35,160	35,499
16 to 19 years	3,234	3,249	3,293	3,284	3,350	3,386	3,479	3,412	3,448	3,338	3,348	3,361	3,373
16 to 17 years	1,312	1,300	1,363	1,304	1,356	1,332	1,357	1,325	1,366	1,313	1,334	1,266	1,308
18 to 19 years	1,925	1,951	1,967	1,981	1,988	2,058	2,121	2,076	2,079	2,024	2,016	2,098	2,064
20 to 24 years	5,247	5,335	5,373	5,381	5,437	5,495	5,594	5,665	5,730	5,588	5,556	5,479	5,543
25 years and over	25,325	25,429	25,791	25,788	25,949	26,042	26,072	26,196	26,192	26,376	26,365	26,342	26,535
25 to 54 years	20,266	20,335	20,685	20,640	20,795	20,952	20,948	21,206	21,200	21,369	21,308	21,212	21,356
55 years and over	5,035	5,076	5,131	5,196	5,136	5,070	5,051	5,029	5,000	5,051	5,091	5,123	5,161

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-41. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total employed	85,178	85,394	86,194	86,319	86,692	87,399	87,697	87,500	87,907	87,981	87,819	87,773	88,130
Household heads	50,316	50,332	50,628	50,737	50,789	51,165	51,200	51,163	51,054	51,170	51,234	51,176	51,356
Married men, spouse present	37,858	37,739	37,996	37,931	38,087	38,205	38,215	38,090	38,147	38,237	38,218	38,008	37,858
Married women, spouse present	19,833	19,859	20,065	19,976	20,001	20,073	20,280	20,337	20,399	20,444	20,536	20,421	20,489
Occupation													
White collar workers	42,253	42,326	42,797	43,028	43,458	43,433	43,792	43,763	43,481	43,782	44,183	44,067	44,150
Professional and technical	12,795	13,026	13,166	13,094	13,204	13,004	13,262	13,439	13,297	13,536	13,619	13,332	13,587
Managers and administrators, except farm	9,077	8,837	9,044	9,135	9,300	9,387	9,200	9,257	9,179	9,282	9,580	9,425	9,465
Sales workers	5,269	5,296	5,224	5,333	5,398	5,488	5,562	5,512	5,435	5,549	5,607	5,542	5,523
Clerical workers	15,112	15,167	15,363	15,466	15,556	15,554	15,768	15,555	15,570	15,415	15,377	15,768	15,575
Blue-collar workers	28,126	28,408	28,759	28,725	28,545	29,110	29,115	29,166	29,279	28,853	28,739	29,003	29,093
Craft and kindred workers	11,018	11,265	11,266	11,297	11,030	11,161	11,268	11,238	11,372	11,251	11,348	11,406	11,389
Operatives	13,010	13,043	13,303	13,214	13,191	13,508	13,514	13,690	13,530	13,273	13,091	13,203	13,267
Nonfarm laborers	4,098	4,100	4,190	4,214	4,324	4,441	4,333	4,238	4,377	4,329	4,300	4,394	4,437
Service workers	11,872	11,837	11,926	11,848	11,781	11,858	11,981	12,028	12,185	12,325	12,219	11,976	12,070
Farm workers	2,838	2,782	2,868	2,772	2,712	2,922	2,833	2,802	2,878	2,951	2,791	2,840	2,734
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,262	1,231	1,300	1,295	1,317	1,388	1,286	1,299	1,301	1,363	1,329	1,321	1,263
Self-employed workers	1,687	1,663	1,649	1,596	1,568	1,641	1,672	1,670	1,695	1,709	1,606	1,683	1,624
Unpaid family workers	349	300	331	300	284	394	359	341	340	356	351	346	334
Nonagricultural industries:													
Wage and salary workers	75,468	76,038	76,568	77,023	77,376	77,834	78,134	78,098	78,390	78,469	78,584	78,444	78,782
Private households	1,307	1,309	1,287	1,200	1,308	1,351	1,294	1,415	1,436	1,401	1,410	1,379	1,449
Government	14,628	14,719	14,779	14,891	14,980	14,796	14,850	14,894	14,988	15,317	15,185	14,884	15,000
Other	59,533	60,010	60,502	60,932	61,088	61,687	61,990	61,789	61,966	61,751	61,989	62,181	62,333
Self-employed workers	5,991	5,683	5,693	5,684	5,594	5,608	5,778	5,657	5,649	5,662	5,714	5,596	5,816
Unpaid family workers	540	510	528	490	444	453	460	451	432	436	428	452	448
Persons at work¹													
Nonagricultural industries	77,103	77,380	78,506	78,399	78,167	77,413	79,056	79,497	79,189	78,931	79,921	79,572	80,030
Full-time schedules	63,141	63,730	64,211	64,381	64,328	63,708	64,947	64,860	65,259	64,622	65,064	65,013	65,448
Part time for economic reasons	3,353	3,243	3,482	3,262	3,266	3,248	3,382	3,080	3,012	3,047	3,348	3,469	3,604
Usually work full time	1,405	1,332	1,415	1,308	1,230	1,342	1,457	1,307	1,259	1,295	1,339	1,337	1,285
Usually work part time	1,948	1,911	2,067	1,954	2,036	1,906	1,925	1,773	1,753	1,752	2,009	2,132	2,319
Part time for noneconomic reasons	10,609	10,407	10,813	10,755	10,573	10,457	10,727	11,557	10,918	11,262	11,509	11,090	10,978

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

A-42. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted				Seasonally adjusted				
	Nov. 1975	Oct. 1976	Nov. 1976	Nov. 1975	July 1976	Aug. 1976	Sept. 1976	Oct. 1976	Nov. 1976
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,585	6,765	6,797	6,585	6,691	6,703	6,735	6,765	6,797
Civilian labor force	6,144	6,354	6,410	6,195	6,338	6,298	6,371	6,406	6,452
Employed	5,611	5,919	5,942	5,566	5,807	5,833	5,780	5,837	5,898
Unemployed	533	435	468	629	531	465	591	569	554
Unemployment rate	8.7	6.8	7.3	10.2	8.4	7.4	9.3	8.9	8.6
20 to 24 years									
Civilian noninstitutional population ²	1,129	1,078	1,083	1,129	1,073	1,067	1,073	1,078	1,083
Civilian labor force	954	937	952	978	949	920	946	963	967
Employed	753	789	810	752	759	778	759	773	808
Unemployed	201	148	142	226	190	142	187	190	159
Unemployment rate	21.1	15.8	14.9	23.1	20.0	15.4	19.8	19.7	16.4
25 to 29 years									
Civilian noninstitutional population ²	3,463	3,206	3,186	3,463	3,275	3,248	3,227	3,206	3,186
Civilian labor force	3,255	2,995	3,008	3,287	3,086	3,635	3,041	3,023	3,041
Employed	3,026	2,818	2,791	2,992	2,876	2,830	2,797	2,782	2,761
Unemployed	229	177	217	295	210	205	244	241	280
Unemployment rate	7.0	5.9	7.2	9.0	6.8	6.8	8.0	8.0	9.2
30 to 34 years									
Civilian noninstitutional population ²	1,993	2,481	2,528	1,993	2,343	2,388	2,435	2,481	2,528
Civilian labor force	1,935	2,422	2,450	1,930	2,303	2,343	2,384	2,420	2,444
Employed	1,832	2,312	2,341	1,822	2,173	2,225	2,224	2,282	2,329
Unemployed	103	110	109	108	131	118	160	138	115
Unemployment rate	5.3	4.5	4.4	5.6	5.7	5.0	6.7	5.7	4.7
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	16,201	16,954	17,008	16,201	16,783	16,854	16,911	16,954	17,008
Civilian labor force	14,357	15,268	15,355	14,494	15,144	15,141	15,306	15,388	15,484
Employed	13,085	14,134	14,078	13,036	13,821	13,810	14,060	14,012	14,023
Unemployed	1,272	1,134	1,277	1,458	1,323	1,331	1,246	1,376	1,461
Unemployment rate	8.9	7.4	8.3	10.1	8.7	8.8	8.1	8.9	9.4
20 to 24 years									
Civilian noninstitutional population ²	7,724	7,976	7,989	7,724	7,931	7,954	7,968	7,976	7,989
Civilian labor force	6,297	6,682	6,744	6,420	6,707	6,682	6,742	6,808	6,868
Employed	5,543	6,013	6,004	5,570	5,978	5,923	6,014	6,001	6,034
Unemployed	754	669	740	850	729	759	701	807	834
Unemployment rate	12.0	10.0	11.0	13.2	10.9	11.4	10.4	11.9	12.1
25 to 29 years									
Civilian noninstitutional population ²	4,626	5,157	5,175	4,626	5,097	5,121	5,141	5,157	5,175
Civilian labor force	4,369	4,909	4,903	4,354	4,831	4,833	4,893	4,892	4,888
Employed	4,069	4,588	4,548	4,010	4,428	4,441	4,551	4,507	4,481
Unemployed	300	321	355	344	403	392	342	385	407
Unemployment rate	6.9	6.5	7.2	7.9	8.3	8.1	7.0	7.9	8.3
30 to 34 years									
Civilian noninstitutional population ²	3,851	3,821	3,844	3,851	3,755	3,779	3,802	3,821	3,844
Civilian labor force	3,691	3,677	3,708	3,720	3,606	3,626	3,671	3,688	3,728
Employed	3,473	3,533	3,526	3,456	3,415	3,446	3,468	3,504	3,508
Unemployed	218	144	182	264	191	180	203	184	220
Unemployment rate	5.9	3.9	4.9	7.1	5.3	5.0	5.5	5.0	5.9

¹ Vietnam-era veterans are those who served between August 5, 1964, and April 30, 1975.² Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
-	TOTAL	78,193	78,339	79,910	80,187	80,534	-	-	-	-	-
-	PRIVATE SECTOR	63,132	63,151	65,110	64,979	65,168	51,950	51,952	53,638	53,506	53,681
-	MINING	763	763	804	807	815	579	579	610	611	618
10	METAL MINING	92.1	91.6	96.1	95.5	-	71.6	70.8	74.2	74.0	-
101	Iron ores	24.5	24.1	26.5	26.0	-	19.7	19.2	21.4	21.0	-
102	Copper ores	36.2	35.9	36.6	36.8	-	27.7	27.5	28.1	28.3	-
11,12	COAL MINING	209.4	211.0	220.0	221.6	-	178.9	180.5	188.0	187.7	-
12	Bituminous coal and lignite mining	205.5	207.1	216.1	217.8	-	175.5	177.1	184.6	184.4	-
13	OIL AND GAS EXTRACTION	343.8	345.9	367.6	370.3	-	235.3	237.2	252.0	254.5	-
131,2	Crude petroleum and natural gas fields	162.7	163.0	166.4	165.9	-	83.0	83.3	82.2	81.6	-
138	Oil and gas field services	181.1	182.9	201.2	204.4	-	152.3	153.9	169.8	172.9	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	117.6	114.6	120.4	119.5	-	93.0	90.0	95.9	95.1	-
142	Crushed and broken stone	40.8	39.8	42.0	41.8	-	33.3	32.3	34.7	34.5	-
144	Sand and gravel	36.1	34.5	37.4	37.1	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,620	3,522	3,563	3,564	3,490	2,921	2,817	2,863	2,874	2,800
15	GENERAL BUILDING CONTRACTORS	1,082.1	1,056.8	1,058.2	1,061.1	-	857.2	830.0	836.2	844.2	-
16	HEAVY CONSTRUCTION CONTRACTORS	768.7	718.0	748.2	740.4	-	650.6	597.4	624.5	619.4	-
161	Highway and street construction	348.5	313.6	329.8	324.1	-	304.3	268.7	285.9	282.1	-
162	Heavy construction, nec	420.2	404.4	418.4	416.3	-	346.3	328.7	338.6	337.3	-
17	SPECIAL TRADE CONTRACTORS	1,769.5	1,746.9	1,756.4	1,762.2	-	1,412.7	1,389.6	1,402.5	1,410.8	-
171	Plumbing, heating, air conditioning	417.2	412.6	405.1	406.5	-	318.0	313.0	308.2	310.0	-
172	Painting, paper hanging, decorating	128.0	122.5	134.3	134.8	-	110.5	104.6	115.1	115.5	-
173	Electrical work	314.7	315.0	309.6	307.9	-	246.5	247.0	243.9	242.2	-
174	Masonry, stonework, and plastering	191.4	192.2	191.5	193.7	-	166.0	167.2	167.2	169.8	-
176	Roofing and sheet metal work	130.3	127.1	127.9	130.7	-	106.7	103.6	104.6	108.0	-
-	MANUFACTURING	18,687	18,635	19,408	19,194	19,216	13,420	13,370	14,040	13,818	13,841
19,24,25, 32-39 20-23, 26-31	DURABLE GOODS	10,750	10,739	11,278	11,140	11,238	7,631	7,623	8,092	7,952	8,048
	NONDURABLE GOODS	7,937	7,896	8,130	8,054	7,978	5,789	5,747	5,948	5,866	5,793
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	165.4	162.2	156.9	155.8	157.5	75.8	72.4	70.4	69.7	72.1
192	Ammunition, except for small arms	110.2	107.3	102.0	101.8	103.1	40.2	37.2	35.7	35.9	38.0
1925	Complete guided missiles	89.6	87.1	84.1	84.0	-	25.2	22.3	22.7	22.9	-
1929	Ammunition, exc. for small arms, nec	20.6	20.2	17.9	17.8	-	15.0	14.9	13.0	13.0	-
24	LUMBER AND WOOD PRODUCTS	583.6	574.3	626.9	623.0	615.2	489.1	479.1	528.2	524.0	516.7
241	Logging camps and logging contractors	79.1	75.3	79.5	78.8	(*)	-	-	-	-	-
242	Sawmills and planing mills	204.4	201.3	215.0	214.2	209.9	182.1	178.3	191.4	190.4	186.2
2421	Sawmills and planing mills, general	174.4	171.5	183.6	182.2	-	155.2	151.6	163.4	161.9	-
243	Millwork, plywood and related products	187.4	186.5	212.1	210.0	209.4	154.1	152.9	176.2	174.3	173.8
2431	Millwork	83.7	83.4	95.2	94.7	-	68.1	67.6	78.3	77.7	-
2432	Veneer and plywood	69.1	69.2	75.8	76.0	-	61.5	61.5	67.5	67.9	-
244	Wooden containers	21.9	21.7	22.2	21.4	21.1	19.2	19.0	19.6	18.7	18.5
2441,2	Wooden boxes, shooks, and crates	17.4	17.3	17.9	17.2	-	15.3	15.2	15.9	15.1	-
249	Miscellaneous wood products	90.8	89.5	98.1	98.6	97.0	72.9	71.8	79.0	79.2	77.8

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
DURABLE GOODS—Continued											
25	FURNITURE AND FIXTURES	472.2	476.0	499.0	499.0	494.4	385.9	389.4	411.2	411.3	407.9
251	Household furniture	340.8	345.3	362.0	361.8	(*)	287.5	291.5	307.3	307.4	(*)
2511	Wood household furniture	173.1	175.4	187.7	187.6	—	151.7	153.7	164.7	164.8	—
2512	Upholstered household furniture	99.9	101.3	104.7	104.6	—	82.8	84.3	87.1	87.0	—
2515	Mattresses and bedsprings	34.6	34.2	34.4	33.8	—	26.6	26.0	26.6	26.1	—
252	Office furniture	35.9	36.3	36.6	40.1	—	28.1	28.5	29.0	32.5	—
254	Partitions and fixtures	50.5	50.0	54.1	53.1	—	37.3	36.9	40.9	39.7	—
253.9	Other furniture and fixtures	45.0	44.4	46.3	44.0	43.4	33.0	32.5	34.0	31.7	31.1
STONE, CLAY, AND GLASS PRODUCTS											
32	Flat glass	623.5	619.1	643.7	640.9	636.6	496.8	492.9	514.7	511.5	507.6
321	Glass and glassware, pressed or blown	129.5	128.7	134.1	135.3	135.7	111.7	110.9	115.9	117.1	117.5
322	Glass containers	75.9	75.1	79.3	78.7	—	67.0	66.1	70.1	69.6	—
3221	Pressed and blown glass, nec	53.6	53.6	54.8	56.6	—	44.7	44.8	45.8	47.5	—
3229	Cement, hydraulic	30.5	29.5	30.4	29.8	30.0	24.1	23.0	24.2	23.5	23.8
324	Structural clay products	48.0	47.3	48.8	47.6	(*)	38.5	37.9	39.2	37.7	(*)
325	Brick and structural clay tile	20.9	20.8	22.2	22.0	—	17.5	17.3	18.5	18.2	—
3251	Pottery and related products	42.9	42.8	44.1	43.9	—	36.0	36.1	37.6	37.5	—
326	Concrete, gypsum, and plaster products	190.0	188.0	197.5	196.4	194.7	147.9	145.9	154.1	153.2	151.1
327	Other stone and nonmetallic mineral products	129.8	129.9	135.7	134.1	133.9	97.8	97.9	102.6	101.0	101.4
328.9	Abrasive products	23.2	23.6	24.3	24.5	—	16.2	16.5	17.2	17.3	—
3291											
PRIMARY METAL INDUSTRIES											
33	Blast furnace and basic steel products	1,144.8	1,141.7	1,220.0	1,193.4	1,192.6	889.8	887.4	961.4	935.9	934.0
331	Blast furnaces and steel mills	516.7	515.1	556.7	542.6	(*)	398.2	397.7	436.3	422.4	(*)
3312	Iron and steel foundries	445.3	444.5	481.1	468.7	—	344.4	344.4	378.6	366.4	—
332	Gray iron foundries	219.9	218.5	223.9	215.4	216.2	180.8	179.5	185.1	177.3	178.0
3321	Malleable iron foundries	135.4	134.8	143.6	137.5	—	113.1	112.6	120.9	115.3	—
3322	Steel foundries	63.1	62.5	58.3	57.7	—	50.8	50.1	46.3	46.0	—
3323	Nonferrous metals	79.9	79.6	86.2	85.5	85.0	60.4	60.2	66.3	65.1	64.6
333.4	Primary aluminum	27.9	27.7	34.6	34.4	—	22.1	21.9	28.2	27.8	—
3334	Nonferrous rolling and drawing	181.4	183.6	198.4	196.8	196.8	132.1	134.0	147.7	146.8	146.7
335	Copper rolling and drawing	32.2	33.8	36.2	36.0	—	24.0	25.4	27.7	27.5	—
3351	Aluminum rolling and drawing	55.3	55.2	63.2	62.8	—	38.7	38.7	45.8	45.9	—
3352	Nonferrous wire drawing and insulating	76.8	77.2	79.1	78.4	—	57.3	57.7	59.6	59.1	—
336	Nonferrous foundries	74.6	74.5	82.3	80.3	78.7	61.2	61.0	68.5	66.5	64.6
3361	Aluminum castings	39.7	39.9	46.1	43.9	—	32.9	33.0	39.1	36.7	—
3362.9	Other nonferrous castings	34.9	34.6	36.2	36.4	—	28.3	28.0	29.4	29.8	—
339	Miscellaneous primary metal products	72.3	70.4	72.5	72.8	72.8	57.1	55.0	57.5	57.8	57.7
3391	Iron and steel forgings	48.7	46.7	46.9	46.8	—	39.0	36.8	37.4	37.3	—
FABRICATED METAL PRODUCTS											
34	Metal cans	1,359.7	1,356.4	1,421.3	1,408.8	1,420.5	1,202.5	1,017.0	1,078.5	1,064.4	1,075.6
341	Cutlery, hand tools, and hardware	62.8	59.3	65.3	60.8	59.1	53.8	50.3	56.6	52.2	50.5
342	Cutlery and hand tools, including saws	158.2	162.9	170.1	172.2	174.5	121.0	124.6	131.6	133.6	135.7
3421,35	Hardware, nec	67.8	69.5	71.6	71.9	—	51.4	53.0	54.7	54.9	—
3429	Plumbing and heating, except electric	90.4	93.4	98.5	100.3	—	69.6	71.6	76.9	78.7	—
343	Sanitary ware and plumbers' brass goods	66.9	67.8	70.5	70.9	71.4	48.6	49.7	52.2	52.5	52.8
3431,2	Heating equipment, except electric	29.6	30.0	31.7	31.7	—	22.2	22.9	24.2	24.2	—
3433	Fabricated structural metal products	37.3	37.8	38.8	39.2	—	26.4	26.8	28.0	28.3	—
344	Metal doors, sash, and trim	457.7	453.1	456.1	456.4	454.7	319.0	315.3	319.1	318.1	316.3
3441	Fabricated plate work (boiler shops)	106.7	103.6	99.6	99.2	—	76.7	73.9	70.8	70.3	—
3442	Sheet metal work	70.7	69.6	73.1	72.8	—	51.4	50.5	54.7	53.9	—
3443	Architectural and miscellaneous metal work	141.6	141.7	137.5	138.0	—	93.6	94.1	89.0	89.9	—
3444	Screw machine products, bolts, etc	83.7	83.4	87.9	87.8	—	60.4	59.9	64.0	63.6	—
3446.9	Screw machine products, bolts, etc	55.0	54.8	58.0	58.6	—	36.9	36.9	40.6	40.4	—
345	Bolts, nuts, rivets, and washers	92.0	92.0	100.9	101.1	101.2	70.8	70.6	78.7	78.9	78.9
3451	Metal stampings	42.4	42.2	47.4	47.7	—	34.5	34.3	39.2	39.4	—
3452	Metal services, nec	49.6	49.8	53.5	53.4	—	36.3	36.3	39.5	39.5	—
346	Metal services, nec	220.1	219.3	238.1	227.8	(*)	178.2	177.2	194.8	185.0	(*)
347	Miscellaneous fabricated wire products	83.3	84.8	92.8	93.6	93.8	67.5	68.9	75.8	76.6	77.0
348	Miscellaneous fabricated metal products	58.4	57.2	60.4	59.5	59.6	45.9	44.7	47.8	46.8	46.8
349	Valves, pipe, and pipe fittings	160.3	160.0	167.1	166.5	165.9	115.7	115.7	121.9	120.7	120.3
3494.8		104.7	105.3	109.9	108.7	—	71.3	72.1	75.6	74.4	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. p 1976	Nov. p 1976	Oct. 1975	Nov. 1975	Sept. 1976	Oct. p 1976	Nov. p 1976
	DURABLE GOODS—Continued										
35	MACHINERY, EXCEPT ELECTRICAL	2,029.1	2,030.4	2,110.4	2,074.6	2,107.8	1,310.9	1,312.8	1,366.3	1,327.8	1,361.1
351	Engines and turbines	110.5	111.3	114.4	113.9	114.2	70.8	72.1	74.2	74.1	74.2
3511	Steam engines and turbines	41.7	41.0	42.7	42.7	—	21.3	21.2	22.6	22.8	—
3519	Internal combustion engines, nec	68.8	70.3	71.7	71.2	—	49.5	50.9	51.6	51.3	—
352	Farm machinery	146.1	144.0	148.7	(*)	—	102.5	100.5	104.3	(*)	—
353	Construction and related machinery	342.5	342.1	340.6	335.4	336.2	224.9	224.8	218.1	213.6	213.7
3531,2	Construction and mining machinery	187.8	186.9	180.8	174.4	—	123.4	122.8	115.7	109.3	—
3533	Oil field machinery	67.4	68.1	68.8	70.3	—	49.0	49.7	47.3	49.7	—
3535,6	Conveyors, hoists, cranes, monorails	44.9	44.6	48.4	48.1	—	27.6	27.4	29.2	28.7	—
3537	Industrial trucks and tractors	28.3	28.6	30.7	30.9	—	17.6	17.7	19.8	19.9	—
354	Metal working machinery	299.8	300.1	315.1	314.1	317.2	217.0	217.7	230.9	229.8	232.4
3541	Machine tools, metal cutting types	60.4	58.4	61.5	61.1	—	39.5	37.7	40.4	39.7	—
3544	Special dies, tools, jigs, and fixtures	114.6	115.9	124.1	123.2	—	91.5	92.5	99.8	99.1	—
3545	Machine tool accessories	52.6	52.6	55.4	55.7	—	37.1	37.5	39.7	40.0	—
3542,8	Miscellaneous metal working machinery	72.2	73.2	77.1	74.1	—	48.9	50.0	51.0	51.0	—
355	Special industry machinery	174.2	173.6	177.1	176.9	176.6	110.3	109.4	113.0	112.5	112.5
3551	Food products machinery	40.0	40.2	40.9	40.8	—	25.7	25.7	26.5	26.2	—
3552	Textile machinery	30.2	30.5	31.0	31.1	—	21.4	21.5	22.3	22.4	—
3555	Printing trades machinery	24.9	25.0	25.1	25.1	—	15.1	15.1	14.4	14.4	—
356	General industrial machinery	280.1	280.9	291.7	289.4	289.5	183.1	183.5	191.3	188.3	187.6
3561	Pumps and compressors	79.5	79.6	83.2	83.0	—	47.2	47.2	50.0	49.8	—
3562	Ball and roller bearings	53.0	52.7	54.6	53.9	—	40.3	40.1	42.0	41.3	—
3564	Blowers and fans	32.7	33.2	34.9	35.1	—	20.6	20.8	22.3	22.4	—
3566	Power transmission equipment	48.0	47.9	48.1	45.8	—	34.1	33.9	34.2	31.7	—
357	Office and computing machines	281.3	281.8	297.3	300.6	304.1	113.2	113.5	119.1	120.3	125.3
3573	Electronic computing equipment	211.3	211.6	223.7	226.9	—	70.9	70.8	75.3	77.0	—
358	Service industry machines	147.1	148.8	168.6	166.7	(*)	99.4	101.1	118.6	116.5	(*)
3585	Refrigeration machinery	101.4	103.1	116.9	116.1	—	69.9	71.6	83.9	83.1	—
359	Miscellaneous machinery, except electrical	247.5	247.8	256.9	256.3	258.8	189.7	190.2	196.8	195.8	198.6
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,780.9	1,782.0	1,866.7	1,870.8	1,880.7	1,164.0	1,164.5	1,240.9	1,243.5	1,250.9
361	Electric test and distributing equipment	187.9	188.4	194.3	195.0	194.0	123.6	124.4	130.0	130.7	130.3
3611	Electric measuring instruments	67.3	67.4	71.9	71.9	—	40.3	40.5	43.5	43.5	—
3612	Transformers	47.6	47.7	46.8	46.3	—	33.3	33.4	33.2	32.8	—
3613	Switchgear and switchboard apparatus	73.0	73.3	75.6	76.8	—	50.0	50.5	53.3	54.4	—
362	Electrical industrial apparatus	199.0	201.3	217.1	215.6	219.9	138.2	140.0	154.9	153.8	158.0
3621	Motors and generators	98.0	98.9	106.5	106.2	—	71.6	72.5	79.4	79.3	—
3622	Industrial controls	62.7	64.0	68.7	68.4	—	39.9	40.8	45.5	45.3	—
363	Household appliances	162.9	159.2	167.1	163.6	(*)	125.6	122.2	131.0	127.6	(*)
3632	Household refrigerators and freezers	37.7	35.0	32.9	30.1	—	29.3	26.7	24.8	22.5	—
3633	Household laundry equipment	24.9	24.1	25.1	24.4	—	19.3	18.5	20.2	19.5	—
3634	Electric housewares and fans	47.6	48.0	51.5	51.5	—	37.2	37.6	41.1	41.1	—
364	Electric lighting and wiring equipment	184.5	185.7	201.5	201.4	201.4	140.5	141.3	155.2	154.5	154.8
3641	Electric lamps	33.9	34.3	37.9	37.9	—	30.1	30.4	33.7	33.6	—
3642	Lighting fixtures	61.3	61.5	65.8	65.4	—	46.9	46.9	50.9	50.4	—
3643,4	Wiring devices	89.3	89.9	97.8	98.1	—	63.5	64.0	70.6	70.5	—
365	Radio and TV receiving equipment	132.7	129.4	134.1	136.3	135.0	97.9	95.0	98.6	100.6	99.2
366	Communication equipment	423.6	423.3	422.4	425.6	427.6	209.0	210.0	210.4	212.6	214.6
3661	Telephone and telegraph apparatus	136.1	134.4	134.8	136.6	—	86.1	86.1	88.8	90.5	—
3662	Radio and TV communication equipment	287.5	288.9	287.6	289.0	—	122.9	123.9	121.6	122.1	—
367	Electronic components and accessories	355.3	358.2	381.9	384.4	386.6	224.3	226.2	247.2	249.1	249.3
3671-3	Electron tubes	43.4	43.3	42.7	28.3	—	28.3	28.4	28.1	27.5	—
3674,9	Other electronic components	311.9	314.9	339.2	342.1	—	196.0	197.8	219.1	221.6	—
369	Miscellaneous electrical equipment and supplies	135.0	136.5	148.3	148.9	150.8	104.9	105.4	113.6	114.6	115.9
3694	Engine electrical equipment	69.3	70.0	76.7	76.3	—	54.9	55.2	60.1	60.0	—
37	TRANSPORTATION EQUIPMENT	1,670.5	1,678.1	1,782.1	1,724.6	1,787.4	1,169.0	1,181.6	1,269.6	1,215.6	1,278.1
371	Motor vehicles and equipment	805.5	817.9	896.5	838.9	(*)	622.8	638.1	703.6	649.6	(*)
3711	Motor vehicles	333.6	343.5	376.6	339.8	—	244.0	256.9	284.2	249.7	—
3712	Passenger car bodies	45.3	47.0	49.4	50.1	—	36.0	37.6	39.3	40.5	—
3713	Truck and bus bodies	37.9	37.6	40.6	40.0	—	29.2	28.8	31.3	30.9	—
3714	Motor vehicle parts and accessories	370.5	371.9	408.0	386.0	—	300.6	302.5	332.2	311.0	—
3715	Truck trailers	18.2	17.9	21.9	23.0	—	13.0	12.3	16.6	17.5	—
372	Aircraft and parts	507.6	503.0	483.1	481.3	(*)	268.9	266.6	248.6	246.5	(*)
3721	Aircraft	275.4	270.7	260.7	260.5	—	136.0	133.2	123.6	122.6	—
3722	Aircraft engines and engine parts	135.7	135.6	132.1	130.9	—	74.3	74.5	71.1	70.2	—
3723,9	Other aircraft parts and equipment	96.5	96.7	90.3	89.9	—	58.6	58.9	53.9	53.7	—
373	Ship and boat building and repairing	190.5	192.7	214.7	218.0	(*)	148.5	150.1	170.2	173.7	(*)
3731	Ship building and repairing	150.2	151.7	167.9	170.5	—	116.0	116.9	132.2	134.6	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
DURABLE GOODS—Continued											
TRANSPORTATION EQUIPMENT—Continued											
3732	Boat building and repairing	40.3	41.0	46.8	47.5	—	32.5	33.2	38.0	39.1	—
374	Railroad equipment	49.4	47.6	40.6	40.9	—	36.9	35.4	29.1	29.3	—
375.9	Other transportation equipment	117.5	116.9	147.2	145.5	—	91.9	91.4	118.1	116.5	—
38	INSTRUMENTS AND RELATED PRODUCTS	492.0	494.6	513.7	513.3	515.3	296.6	298.3	313.4	312.4	313.9
381	Engineering and scientific instruments	60.5	60.1	59.7	58.0	—	30.0	29.8	28.5	27.3	—
382	Mechanical measuring and control devices	110.5	111.4	118.4	118.5	118.9	69.4	70.3	75.6	75.1	75.6
3821	Mechanical measuring devices	74.5	74.8	76.7	77.3	—	43.8	44.2	45.8	46.1	—
3822	Automatic temperature controls	36.0	36.6	41.7	41.2	—	25.6	26.1	29.8	29.0	—
383.5	Optical and ophthalmic goods	60.1	60.7	64.4	65.4	65.9	40.7	41.1	43.4	44.3	44.4
385	Ophthalmic goods	39.3	39.6	41.9	42.3	—	28.8	29.0	30.6	31.0	—
384	Medical instruments and supplies	103.4	104.5	110.1	110.5	111.2	68.4	69.1	74.0	74.1	74.8
386	Photographic equipment and supplies	125.7	126.6	129.9	130.3	130.6	62.3	62.6	67.0	67.3	67.7
387	Watches, clocks, and watchcases	31.8	31.3	31.2	30.6	—	25.8	25.4	24.9	24.3	—
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	INDUSTRIES	428.7	423.7	437.6	435.9	430.0	332.7	327.5	337.7	336.1	330.0
391	Jewelry, silverware, and plated ware	52.3	53.2	55.3	55.4	55.6	38.6	39.4	40.8	40.9	40.9
394	Toys and sporting goods	128.7	121.1	133.8	132.5	—	102.2	94.7	106.1	104.7	—
3941.3	Games, toys, dolls, and play vehicles	77.2	69.6	78.2	76.6	—	61.1	53.5	61.3	59.7	—
3949	Sporting and athletic goods, nec	51.5	51.5	55.6	55.9	—	41.1	41.2	44.8	45.0	—
395	Pens, pencils, office, and art supplies	35.5	35.4	33.4	33.5	—	25.8	25.8	23.4	23.5	—
396	Costume jewelry and notions	56.3	57.7	53.3	53.2	—	46.4	47.5	43.3	43.3	—
393.9	Other manufacturing industries	155.9	156.3	161.8	161.3	161.2	119.7	120.1	124.1	123.7	124.0
393	Musical instruments and parts	23.9	24.2	23.9	23.9	—	19.8	20.1	19.5	19.5	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,762.6	1,710.1	1,837.1	1,782.1	1,721.5	1,219.5	1,167.4	1,287.9	1,230.2	1,171.9
201	Meat products	347.4	349.5	358.3	359.4	361.1	285.2	287.2	295.8	296.9	297.0
2011	Meat packing plants	167.3	168.6	171.7	172.1	—	134.4	135.6	138.0	139.0	—
2013	Sausages and other prepared meats	66.2	66.0	66.8	66.7	—	46.7	46.5	47.9	47.5	—
2015	Poultry dressing plants	113.9	114.9	119.8	120.6	—	104.1	105.1	109.9	110.4	—
202	Dairy products	194.2	192.2	195.6	193.1	(*)	99.7	98.6	101.8	100.0	(*)
2024	Ice cream and frozen desserts	21.7	21.1	22.9	22.1	—	11.6	11.2	12.4	11.7	—
2026	Fluid milk	126.9	125.5	125.5	124.3	—	53.9	53.1	54.1	53.2	—
203	Canned, cured, and frozen foods	343.0	290.7	405.9	338.6	—	295.6	242.4	355.6	286.0	—
2031.6	Canned, cured, and frozen sea foods	48.6	45.5	48.2	47.2	—	42.0	38.9	42.0	41.2	—
2032.3	Canned food, except sea foods	168.3	126.5	237.5	161.8	—	144.5	101.8	212.5	135.2	—
2037	Frozen fruits and vegetables	75.0	70.5	71.9	76.8	—	67.0	62.5	63.2	68.1	—
204	Grain mill products	140.4	139.4	146.7	148.2	(*)	98.8	97.9	102.8	103.9	(*)
2041	Flour and other grain mill products	25.9	26.0	27.3	27.4	—	18.6	18.7	19.6	19.6	—
2042	Prepared feeds for animals and fowls	72.5	71.9	75.0	75.7	—	48.2	47.7	49.5	49.7	—
205	Bakery products	239.5	239.4	243.2	243.5	244.1	137.4	137.7	141.2	141.1	141.5
2051	Bread, cake, and related products	198.0	198.5	201.0	201.4	—	104.6	105.2	107.4	107.5	—
2052	Cookies and crackers	41.5	40.9	42.2	42.1	—	32.8	32.5	33.8	33.6	—
206	Sugar	47.3	46.5	31.6	41.5	—	38.4	37.4	23.2	33.5	—
207	Confectionery and related products	78.4	80.2	79.8	81.4	82.3	60.3	62.1	61.4	62.9	63.6
2071	Confectionery products	58.6	60.6	58.4	60.5	—	46.0	48.0	46.0	47.9	—
208	Beverages	225.3	225.0	229.5	228.6	227.2	109.1	108.6	111.6	110.4	109.7
2082	Malt liquors	49.7	50.3	51.0	49.3	—	32.7	33.3	36.9	35.3	—
2086	Bottled and canned soft drinks	126.8	126.4	134.2	132.6	—	46.4	45.9	49.0	47.8	—
209	Miscellaneous foods and kindred products	147.1	147.2	146.5	147.8	(*)	95.0	95.5	94.5	95.5	(*)
21	TOBACCO MANUFACTURES	88.1	87.0	84.8	84.2	80.4	74.2	73.2	71.4	70.9	67.1
211	Cigarettes	45.3	45.8	45.3	44.9	—	36.9	37.2	37.1	36.6	—
212	Cigars	11.4	11.4	10.2	10.1	—	10.0	10.0	8.9	8.7	—
22	TEXTILE MILL PRODUCTS	950.8	955.2	973.0	964.9	960.3	830.5	834.0	849.9	841.8	836.4
221	Weaving mills, cotton	171.0	172.7	175.0	173.3	175.6	155.4	157.1	159.5	159.3	159.3
222	Weaving mills, synthetics	118.8	120.1	123.5	122.3	123.1	106.1	107.3	110.5	109.1	109.7
223	Weaving and finishing mills, wool	21.3	21.5	23.1	22.5	22.1	17.6	17.8	09.3	18.8	18.5
224	Narrow fabric mills	24.7	25.2	25.8	25.6	25.5	21.4	21.9	22.4	22.2	22.0
225	Knitting mills	256.2	256.3	261.5	258.4	256.3	221.2	220.6	224.9	221.9	219.3
2251	Women's hosiery, except socks	39.0	38.4	39.1	38.6	—	34.4	33.8	34.5	34.0	—
2252	Hosiery, nec	33.8	33.8	34.3	34.2	—	30.0	30.1	30.5	30.4	—
2253	Knit outerwear mills	75.1	76.0	79.0	78.4	—	64.0	64.5	67.4	66.9	—
2254	Knit underwear mills	37.3	37.7	39.5	39.1	—	32.4	32.8	34.2	33.6	—

See footnotes at end of table.

ESTABLISHMENT DATA

EMPLOYMENT

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
NONDURABLE GOODS—Continued											
TEXTILE MILL PRODUCTS—Continued											
26	Textile finishing, except wool	81.2	81.6	81.2	79.5	78.5	69.0	69.3	69.0	67.3	66.4
27	Floor covering mills	61.1	60.6	61.6	61.1	—	48.6	48.2	49.1	48.5	—
28	Yarn and thread mills	150.4	151.2	153.6	152.5	(*)	137.2	138.0	140.6	139.5	(*)
29	Miscellaneous textile goods	66.1	66.0	67.1	67.7	(*)	54.0	53.8	54.6	55.2	(*)
3	APPAREL AND OTHER TEXTILE PRODUCTS	1,304.6	1,307.8	1,298.9	1,294.6	1,288.8	1,126.0	1,128.2	1,116.5	1,111.9	1,107.4
31	Men's and boys' suits and coats	85.2	86.1	89.4	89.3	88.7	74.4	75.1	78.9	78.8	78.3
32	Men's and boys' furnishings	370.9	375.0	384.3	383.3	(*)	318.6	321.7	328.5	327.6	(*)
321	Men's and boys' shirts and nightwear	115.3	116.7	117.8	117.8	—	100.5	101.8	102.5	102.5	—
327	Men's and boys' separate trousers	83.7	85.4	85.5	85.6	—	73.6	74.9	74.2	74.4	—
328	Men's and boys' work clothing	90.6	91.6	94.2	94.0	—	75.2	75.7	77.1	76.9	—
33	Women's and misses' outerwear	406.4	406.0	380.3	380.4	375.9	357.3	357.3	333.4	333.1	329.3
331	Women's and misses' blouses and waists	51.5	51.8	47.5	47.9	—	45.5	45.9	41.9	42.1	—
335	Women's and misses' dresses	175.9	175.4	165.9	166.1	—	158.2	158.0	148.6	148.4	—
337	Women's and misses' suits and coats	65.7	63.1	58.4	55.5	—	56.0	53.6	50.1	47.6	—
339	Women's and misses' outerwear, nec	113.3	115.7	108.5	110.9	—	97.6	99.8	92.8	95.0	—
34	Women's and children's undergarments	103.4	102.9	102.3	102.6	102.4	88.3	87.6	87.0	87.2	87.1
341	Women's and children's underwear	79.0	78.2	77.5	77.6	—	68.7	67.7	67.2	67.2	—
342	Corsets and allied garments	24.4	24.7	24.8	25.0	—	19.6	19.9	19.8	20.0	—
35	Hats, caps, and millinery	15.6	15.6	15.7	15.6	—	13.7	13.8	13.6	13.5	—
36	Children's outerwear	75.7	76.1	76.5	76.9	(*)	65.9	66.2	65.5	66.0	(*)
361	Children's dresses and blouses	30.6	31.1	30.3	30.9	—	27.7	28.2	27.3	27.9	—
37,8	Fur goods and miscellaneous apparel	67.7	66.8	69.6	68.0	—	58.4	57.6	60.1	58.5	—
39	Miscellaneous fabricated textile products	179.7	179.3	180.8	178.5	(*)	149.4	148.9	149.5	147.2	(*)
391,2	Housefurnishings	78.1	78.0	77.8	78.6	—	65.9	65.8	65.0	65.9	—
26	PAPER AND ALLIED PRODUCTS	654.8	657.2	684.8	680.4	683.6	493.8	496.6	519.3	515.2	518.0
261,2,6	Paper and pulp mills	192.4	192.7	203.2	199.9	200.6	146.7	147.0	155.6	152.7	153.0
263	Paperboard mills	67.9	68.2	71.0	70.4	71.0	53.7	54.2	56.5	55.8	56.6
264	Miscellaneous converted paper products	192.0	192.5	200.4	198.5	198.9	136.9	137.7	143.9	142.2	142.7
2643	Bags, except textile bags	42.9	42.7	43.8	43.6	—	34.1	34.2	35.1	34.9	—
265	Paperboard containers and boxes	202.5	203.8	210.2	211.6	213.1	156.5	157.7	163.3	164.5	165.7
2651,2	Folding and setup paperboard boxes	57.1	57.7	61.3	60.9	—	46.1	46.6	49.8	49.6	—
2653	Corrugated and solid fiber boxes	98.1	98.7	101.7	102.7	—	72.2	72.6	75.1	75.8	—
2654	Sanitary food containers	29.4	29.4	30.7	30.1	—	24.2	24.3	25.6	24.9	—
27	PRINTING AND PUBLISHING	1,074.4	1,075.8	1,084.9	1,089.8	1,090.2	632.5	631.7	632.7	634.1	635.1
271	Newspapers	375.6	376.5	384.9	387.0	387.4	166.6	167.2	166.5	167.6	167.1
272	Periodicals	69.9	70.2	69.9	70.8	—	18.3	18.4	18.8	18.7	—
273	Books	90.0	89.6	86.1	87.3	—	47.0	47.0	44.8	45.9	—
275	Commercial printing	359.4	359.1	361.4	361.9	360.5	271.3	270.0	272.4	271.2	272.2
2751	Commercial printing, except lithographic	203.5	202.7	206.8	206.8	—	156.3	154.8	158.1	157.0	—
2752	Commercial printing, lithographic	146.1	146.4	144.8	145.2	—	107.8	107.9	107.0	106.8	—
278	Blankbooks and bookbinding	49.0	49.3	51.4	50.7	50.1	40.2	40.3	42.0	41.3	40.7
274,6,7,9	Other publishing and printing ind	130.5	131.1	131.2	132.1	131.8	89.1	88.8	88.2	89.4	89.0
28	CHEMICALS AND ALLIED PRODUCTS	1,020.0	1,018.8	1,040.6	1,036.5	1,034.0	579.1	579.0	593.2	589.7	587.4
281	Industrial chemicals	325.2	326.1	338.2	336.8	338.4	172.2	173.1	180.6	179.0	180.2
2812	Alkalies and chlorine	21.3	21.4	21.8	20.9	—	15.3	15.5	16.2	15.5	—
2818	Industrial organic chemicals, nec	134.7	135.5	140.0	139.4	—	58.1	58.9	62.5	62.3	—
2819	Industrial inorganic chemicals, nec	106.8	106.6	110.2	110.4	—	59.8	59.6	60.2	59.6	—
282	Plastics materials and synthetics	208.2	208.3	203.8	202.5	(*)	138.5	138.4	135.4	135.0	(*)
2821	Plastics materials and resins	86.6	86.9	89.4	88.9	—	52.7	52.9	56.2	55.9	—
2823,4	Synthetic fibers	109.4	109.1	102.3	101.7	—	77.2	76.8	70.2	70.1	—
283	Drugs	164.1	164.7	169.8	169.6	169.5	80.4	81.6	84.4	83.8	83.9
2834	Pharmaceutical preparations	131.0	131.5	135.8	135.5	—	62.1	63.2	65.2	64.5	—
284	Soap, cleaners, and toilet goods	121.9	119.8	126.9	127.4	126.2	71.7	69.9	76.3	77.4	76.1
2841	Soap and other detergents	38.7	38.7	40.4	40.6	—	25.8	25.6	27.0	27.4	—
2844	Toilet preparations	50.8	49.1	52.8	53.1	—	29.5	28.1	31.6	32.3	—
285	Paints and allied products	65.0	64.0	67.0	66.5	66.3	34.7	34.0	35.8	35.4	35.2
287	Agricultural chemicals	54.0	54.3	54.1	54.5	54.6	33.4	33.7	32.6	33.0	33.2
2871,2	Fertilizers, complete and mixing only	32.4	32.2	31.9	32.4	—	22.4	22.3	21.5	22.0	—
286,9	Other chemical products	81.6	81.6	80.8	79.2	79.7	48.2	48.3	48.1	46.1	46.4
2892	Explosives	16.8	16.8	15.0	13.4	—	10.8	10.7	9.9	7.9	—
29	PETROLEUM AND COAL PRODUCTS	203.1	202.4	205.2	204.5	202.3	130.5	129.9	133.6	133.0	131.1
291	Petroleum refining	156.9	157.2	157.4	157.0	155.8	96.9	96.8	98.1	97.8	96.8
295,9	Other petroleum and coal products	46.2	45.2	47.8	47.5	46.5	33.6	33.1	35.5	35.2	34.3

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC.	611.5	610.4	652.4	652.8	652.5	474.0	473.0	513.4	512.7	512.3
301	Tires and inner tubes	117.9	117.5	117.6	118.7	119.7	85.4	84.6	87.6	88.3	89.2
302,3,6	Other rubber products	160.4	160.2	172.8	171.9	172.2	125.4	125.3	136.4	135.0	135.1
302	Rubber footwear	23.0	22.7	23.4	23.2	—	19.2	19.1	19.6	19.5	—
307	Miscellaneous plastics products	333.2	332.7	362.0	362.2	360.6	263.2	263.1	289.4	289.4	288.0
31	LEATHER AND LEATHER PRODUCTS	266.6	271.0	268.1	264.4	264.5	229.3	233.9	229.6	226.0	226.4
311	Leather tanning and finishing	23.8	24.1	23.3	22.8	22.8	20.6	20.9	19.9	19.4	19.5
314	Footwear, except rubber	165.5	168.6	166.8	163.2	164.8	144.0	147.5	145.1	141.7	143.2
312,3,5,7,9	Other leather products	77.3	78.3	78.0	78.4	(*)	64.7	65.5	64.6	64.9	(*)
316	Luggage	17.1	17.3	18.2	18.0	—	13.6	13.7	14.3	14.0	—
317	Handbags and personal leather goods	37.0	37.3	36.1	36.6	—	31.4	31.5	30.2	30.6	—
—	TRANSPORTATION AND PUBLIC UTILITIES	4,503	4,509	4,560	4,536	4,555	3,862	3,869	3,908	3,885	3,902
40	RAILROAD TRANSPORTATION	531.3	527.5	537.6	537.4	—	—	—	—	—	—
4011	Class 1 railroads ²	485.8	484.9	498.9	498.8	—	—	—	—	—	—
LOCAL AND INTERURBAN PASSENGER											
41	TRANSIT	278.4	277.4	271.2	274.9	—	—	—	—	—	—
411	Local and suburban transportation	68.9	68.9	68.7	67.3	—	63.9	63.8	63.0	61.9	—
412	Taxicabs	80.1	80.0	75.3	75.2	—	—	—	—	—	—
413	Intercity highway transportation	38.2	38.1	41.0	39.4	—	34.3	34.1	37.1	35.7	—
42	TRUCKING AND WAREHOUSING	1,111.3	1,111.3	1,123.0	1,105.7	—	995.3	995.7	1,003.1	985.5	—
421,3	Trucking and trucking terminals	1,018.9	1,018.7	1,035.3	1,013.0	—	915.4	915.6	928.2	905.6	—
422	Public warehousing	92.4	92.6	87.7	92.7	—	79.9	80.1	74.9	79.9	—
45	TRANSPORTATION BY AIR	356.2	362.5	374.6	372.7	—	—	—	—	—	—
451,2	Air transportation	320.1	327.2	339.2	337.0	—	—	—	—	—	—
46	PIPELINE TRANSPORTATION	16.4	16.4	16.6	16.6	—	12.4	12.4	12.4	12.2	—
44,47	OTHER TRANSPORTATION AND SERVICES	324.8	326.1	350.4	341.4	—	—	—	—	—	—
44	Water transportation	184.1	185.2	203.6	193.8	—	—	—	—	—	—
47	Transportation services	140.7	140.9	146.8	147.6	—	—	—	—	—	—
48	COMMUNICATION	1,158.4	1,157.7	1,152.9	1,151.9	—	891.8	890.3	887.9	886.0	—
481	Telephone communication	952.5	951.0	941.4	940.4	—	726.6	724.5	717.1	715.3	—
482	Telegraph communication ³	18.4	18.4	17.4	(*)	—	13.0	13.0	12.9	(*)	—
483	Radio and television broadcasting	154.8	155.4	159.9	159.6	—	123.8	124.1	128.0	127.7	—
49	ELECTRIC, GAS, AND SANITARY SERVICES	725.7	729.6	734.0	735.5	—	603.8	608.3	607.2	608.9	—
491	Electric companies and systems	308.4	313.0	312.1	314.0	—	253.7	258.4	255.8	258.3	—
492	Gas companies and systems	159.4	159.2	159.4	158.2	—	131.7	131.5	131.0	129.9	—
493	Combination companies and systems	193.4	193.2	194.6	194.9	—	163.5	163.6	161.9	162.0	—
494-7	Water, steam, and sanitary systems	64.5	64.2	67.9	68.4	—	54.9	54.8	58.5	58.7	—
—	WHOLESALE AND RETAIL TRADE	17,136	17,313	17,655	17,705	17,898	15,151	15,317	15,598	15,649	15,841
50	WHOLESALE TRADE	4,209	4,207	4,300	4,318	4,332	3,487	3,483	3,561	3,582	3,600
501	Motor vehicles and automotive equipment	367.4	369.3	382.7	381.1	—	299.0	301.8	312.6	310.7	—
502	Drugs, chemicals, and allied products	240.1	240.6	242.2	241.9	—	192.9	193.2	192.1	192.2	—
503	Dry goods and apparel	155.1	154.6	155.6	156.3	—	121.3	121.1	121.2	121.8	—
504	Groceries and related products	613.3	613.3	631.4	637.5	—	535.8	535.2	550.2	556.6	—
506	Electrical goods	320.7	321.1	319.7	320.4	—	270.3	270.3	269.3	270.3	—
507	Hardware; plumbing and heating equipment	182.5	182.9	188.3	188.7	—	150.9	151.3	156.6	156.8	—
508	Machinery, equipment, and supplies	868.9	864.5	890.8	892.9	—	717.8	713.0	734.8	738.6	—
509	Miscellaneous wholesalers	1,347.7	1,347.1	1,375.8	1,380.5	—	1,104.9	1,102.1	1,129.9	1,136.1	—
52-59	RETAIL TRADE	12,927	13,106	13,355	13,387	13,566	11,664	11,834	12,037	12,067	12,241
53	Retail General Merchandise	2,507.8	2,620.1	2,487.3	2,536.7	—	2,302.7	2,415.2	2,288.8	2,334.7	—
531	Department stores	1,682.4	1,772.1	1,681.2	1,715.2	—	1,550.0	1,639.0	1,556.5	1,589.5	—
532	Mail order houses	136.9	146.1	113.5	122.6	—	130.1	139.7	106.6	115.7	—
533	Variety stores	309.0	316.8	311.9	314.6	—	287.3	295.4	292.3	294.3	—
54	FOOD STORES	1,958.7	1,975.8	2,002.5	2,016.2	—	1,815.0	1,830.1	1,850.7	1,864.6	—
541-3	Grocery, meat, and vegetable stores	1,781.1	1,792.9	1,818.6	1,828.7	—	1,650.9	1,661.9	1,680.6	1,691.1	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
-	WHOLESALE AND RETAIL TRADE—Continued										
56	APPAREL AND ACCESSORY STORES	787.7	812.0	793.5	802.5	-	690.8	714.6	692.2	699.7	-
561	Men's and boys' clothing and furnishings	136.3	140.8	136.9	139.3	-	118.6	123.2	118.5	121.1	-
562	Women's ready-to-wear stores	293.1	303.2	294.7	297.9	-	258.4	268.2	259.2	262.3	-
565	Family clothing stores	123.7	129.2	123.1	125.3	-	112.5	118.3	111.5	112.3	-
566	Shoe stores	162.7	164.2	165.3	165.3	-	137.2	138.5	138.5	138.5	-
57	FURNITURE AND HOME FURNISHINGS STORES	514.6	523.2	534.8	539.4	-	437.2	444.9	451.6	455.6	-
571	Furniture and home furnishings	314.5	319.0	323.1	324.3	-	267.2	271.6	275.2	276.0	-
58	EATING AND DRINKING PLACES	3,363.8	3,352.1	3,622.8	3,556.3	-	3,147.1	3,132.7	3,380.6	3,317.7	-
52,55,59	OTHER RETAIL TRADE	3,794.5	3,823.0	3,914.3	3,935.8	-	3,271.2	3,296.6	3,372.9	3,394.4	-
52	Building materials and farm equipment	615.0	616.5	636.6	638.1	-	526.7	527.6	545.7	546.8	-
55	Automotive dealers and service stations	1,705.4	1,705.2	1,757.8	1,756.5	-	-	-	-	-	-
551,2	Motor vehicle dealers	765.7	769.2	791.0	794.8	-	638.0	640.6	660.4	664.5	-
553,9	Other automotive and accessory dealers	318.5	318.4	334.6	331.0	-	266.3	266.0	282.9	279.3	-
554	Gasoline service stations	621.2	617.6	632.2	630.7	-	-	-	-	-	-
59	Miscellaneous retail stores	1,474.1	1,501.3	1,519.9	1,541.2	-	-	-	-	-	-
591	Drug stores and proprietary stores	473.4	477.4	475.8	477.5	-	422.8	426.1	423.1	424.4	-
594	Book and stationery stores	79.7	79.5	82.2	82.3	-	68.2	67.7	69.6	69.7	-
596	Farm and garden supply stores	131.4	130.8	138.6	141.5	-	-	-	-	-	-
598	Fuel and ice dealers	96.5	97.9	95.8	98.0	-	82.4	83.8	80.7	82.8	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	4,238	4,235	4,347	4,357	4,373	3,232	3,230	3,319	3,325	3,336
60	Banking	1,276.8	1,279.0	1,305.2	1,307.1	-	1,007.6	1,008.9	1,029.2	1,030.7	-
61	Credit agencies other than banks	443.6	444.8	467.4	471.1	-	340.2	340.7	359.3	363.3	-
612	Savings and loan associations	171.6	172.8	189.2	191.0	-	138.3	139.2	152.6	154.4	-
614	Personal credit institutions	192.1	191.7	194.8	196.1	-	-	-	-	-	-
62	Security, commodity brokers and services	171.1	170.6	176.5	176.8	-	140.0	139.4	142.8	144.4	-
63	Insurance carriers	1,102.5	1,101.4	1,114.7	1,117.2	-	741.7	742.2	753.1	754.7	-
631	Life insurance	520.1	518.3	514.5	515.0	-	300.0	299.2	293.8	294.3	-
632	Accident and health insurance	119.6	119.4	122.0	121.8	-	99.6	99.6	99.5	99.0	-
633	Fire, marine, and casualty insurance	404.8	405.5	416.3	417.8	-	294.5	295.6	308.6	309.6	-
64	Insurance agents, brokers, and service	334.0	335.5	344.4	346.4	-	-	-	-	-	-
65	Real estate	796.2	790.7	823.7	823.6	-	-	-	-	-	-
655	Subdividers and developers	115.2	112.2	118.1	115.6	-	-	-	-	-	-
656	Operative builders	55.6	54.7	58.0	58.6	-	-	-	-	-	-
66,67	Other finance, insurance, and real estate	113.6	113.1	115.5	115.0	-	-	-	-	-	-
-	SERVICES	14,185	14,174	14,773	14,816	14,821	12,785	12,770	13,300	13,344	13,343
70	Hotels and other lodging places	967.2	942.5	1,069.8	1,006.3	-	-	-	-	-	-
701	Hotels, tourist courts, and motels	804.9	783.9	867.8	829.7	-	745.3	725.3	805.5	769.2	-
72	Personal services	838.1	840.1	815.8	821.8	-	-	-	-	-	-
721	Laundries and dry cleaning plants	357.7	356.0	351.6	351.4	-	320.8	319.4	315.0	315.0	-
722	Photographic studios	50.4	50.3	45.6	48.4	-	45.8	45.7	40.7	43.4	-
73	Miscellaneous business services	2,042.4	2,040.8	2,164.3	2,173.1	-	-	-	-	-	-
731	Advertising	120.8	120.8	127.5	128.6	-	-	-	-	-	-
732	Credit reporting and collection	80.8	81.5	82.5	83.3	-	-	-	-	-	-
734	Services to buildings	398.4	397.0	417.5	416.6	-	-	-	-	-	-
76	Miscellaneous repair services	216.5	216.7	222.4	222.5	-	-	-	-	-	-
78	Motion pictures	204.7	200.9	212.2	206.1	-	-	-	-	-	-
781	Motion picture filming and distributing	66.2	64.7	69.0	71.4	-	47.7	46.2	53.1	54.8	-
782,3	Motion picture theaters and services	138.5	136.2	143.2	134.7	-	-	-	-	-	-
80	Medical and other health services	4,257.8	4,273.2	4,500.6	4,519.4	-	-	-	-	-	-
806	Hospitals	2,318.3	2,325.4	2,412.6	2,422.2	-	2,120.5	2,127.3	2,200.5	2,209.0	-
81	Legal services	347.2	349.7	372.8	378.0	-	-	-	-	-	-
82	Educational services	1,284.9	1,307.2	1,210.1	1,336.5	-	-	-	-	-	-
821	Elementary and secondary schools	414.4	416.7	396.8	422.5	-	-	-	-	-	-
822	Colleges and universities	711.6	729.5	639.3	734.2	-	-	-	-	-	-
89	Miscellaneous services	876.6	878.8	913.3	918.2	-	-	-	-	-	-
891	Engineering and architectural services	402.6	403.3	415.4	418.1	-	-	-	-	-	-
892	Nonprofit research agencies	141.7	143.7	152.6	153.5	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p
—	GOVERNMENT	15,061	15,188	14,800	15,208	15,366	—	—	—	—	—
91	FEDERAL GOVERNMENT⁵	2,742	2,742	2,717	2,711	2,720	—	—	—	—	—
	Executive	2,693.7	2,693.8	2,668.0	2,661.1	—	—	—	—	—	
	Department of Defense	949.0	947.5	917.2	918.0	—	—	—	—	—	
	Postal Service	688.7	690.9	662.8	657.9	—	—	—	—	—	
	Other agencies	1,056.0	1,055.4	1,088.0	1,085.2	—	—	—	—	—	
	Legislative	37.8	37.5	38.2	38.5	—	—	—	—	—	
	Judicial	10.5	10.6	11.2	11.5	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	12,319	12,446	12,083	12,497	12,646	—	—	—	—	
92	State government	3,305.2	3,325.6	3,235.6	3,378.1	—	—	—	—	—	
	State education	1,464.8	1,490.4	1,367.2	1,521.4	—	—	—	—	—	
	Other State government	1,840.4	1,835.2	1,868.4	1,856.7	—	—	—	—	—	
93	Local government	9,013.6	9,120.5	8,847.0	9,118.4	—	—	—	—	—	
	Local education	5,092.5	5,188.8	4,837.5	5,175.5	—	—	—	—	—	
	Other local government	3,921.1	3,931.7	4,009.5	3,942.9	—	—	—	—	—	

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

² Beginning January 1965, data relate to line haul railroads with operating revenues of \$5,000,000 or more.

³ Data for nonsupervisory workers exclude messengers.

⁴ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁵ Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

* Not available.

** Data for Telegraph Communication (SIC 482) for August 1976 are: All employees 17.6 and production workers 13.0.
p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P
TOTAL	77,542	77,764	78,142	78,358	78,692	79,011	79,006	79,043	79,183	79,278	79,572	79,451	79,711
GOODS-PRODUCING	22,639	22,713	22,880	22,920	23,050	23,196	23,169	23,140	23,118	23,080	23,228	23,101	23,240
MINING	761	766	767	767	773	775	776	781	791	752	798	803	813
CONTRACT CONSTRUCTION	3,406	3,392	3,409	3,379	3,380	3,413	3,393	3,375	3,382	3,349	3,330	3,346	3,375
MANUFACTURING	18,472	18,555	18,704	18,774	18,897	19,008	19,000	18,984	18,945	18,979	19,100	18,952	19,052
DURABLE GOODS	10,652	10,709	10,810	10,857	10,956	11,016	11,062	11,059	11,034	11,083	11,146	11,028	11,149
Ordnance and accessories	162	163	162	161	161	160	160	158	156	157	156	155	158
Lumber and wood products	578	581	591	594	597	600	601	601	605	605	613	613	619
Furniture and fixtures	469	473	477	484	488	493	496	493	490	486	495	491	487
Stone, clay, and glass products	614	614	617	615	618	626	627	628	631	628	630	630	632
Primary metal industries	1,145	1,153	1,159	1,166	1,178	1,187	1,193	1,200	1,206	1,215	1,216	1,195	1,196
Fabricated metal products	1,342	1,345	1,357	1,369	1,380	1,387	1,392	1,390	1,387	1,394	1,404	1,389	1,405
Machinery, except electrical	2,026	2,024	2,035	2,039	2,047	2,056	2,068	2,069	2,084	2,090	2,115	2,081	2,104
Electrical equipment and supplies	1,764	1,773	1,782	1,797	1,818	1,830	1,837	1,837	1,815	1,843	1,848	1,850	1,862
Transportation equipment	1,652	1,679	1,714	1,710	1,739	1,742	1,747	1,743	1,728	1,737	1,737	1,697	1,759
Instruments and related products	491	494	497	500	505	509	512	513	512	510	512	511	512
Miscellaneous manufacturing	409	410	419	422	425	426	429	427	420	418	420	416	415
NONDURABLE GOODS	7,820	7,846	7,894	7,917	7,941	7,992	7,938	7,925	7,911	7,896	7,954	7,924	7,903
Food and kindred products	1,688	1,690	1,698	1,706	1,698	1,707	1,712	1,718	1,719	1,715	1,711	1,710	1,699
Tobacco manufactures	80	79	79	77	75	76	76	75	80	78	76	76	74
Textile mill products	950	952	958	963	966	973	977	973	970	969	971	961	956
Apparel and other textile products	1,290	1,299	1,311	1,309	1,319	1,322	1,321	1,320	1,299	1,292	1,281	1,272	1,271
Paper and allied products	651	657	664	669	671	677	679	678	680	679	681	676	678
Printing and publishing	1,072	1,073	1,070	1,069	1,074	1,076	1,079	1,077	1,082	1,082	1,086	1,087	1,086
Chemicals and allied products	1,017	1,018	1,024	1,029	1,030	1,036	1,034	1,029	1,037	1,040	1,035	1,031	1,032
Petroleum and coal products	202	201	203	204	204	205	203	202	201	202	202	202	201
Rubber and plastics products, nec	601	606	612	614	627	641	578	577	572	572	643	645	643
Leather and leather products	269	271	275	277	277	279	279	276	271	267	268	264	263
SERVICE-PRODUCING	54,903	55,051	55,262	55,438	55,642	55,815	55,837	55,903	56,065	56,198	56,344	56,350	56,471
TRANSPORTATION AND PUBLIC UTILITIES	4,482	4,477	4,489	4,504	4,507	4,510	4,503	4,482	4,508	4,501	4,528	4,504	4,528
WHOLESALE AND RETAIL TRADE ..	17,027	17,084	17,207	17,308	17,399	17,465	17,461	17,460	17,531	17,554	17,625	17,608	17,589
WHOLESALE TRADE	4,178	4,194	4,214	4,231	4,236	4,250	4,258	4,254	4,271	4,272	4,283	4,288	4,302
RETAIL TRADE	12,849	12,890	12,993	13,077	13,163	13,215	13,203	13,206	13,260	13,282	13,342	13,320	13,287
FINANCE, INSURANCE, AND REAL ESTATE	4,248	4,260	4,266	4,266	4,276	4,289	4,282	4,301	4,312	4,312	4,338	4,361	4,386
SERVICES	14,188	14,229	14,307	14,360	14,422	14,498	14,529	14,571	14,623	14,709	14,758	14,786	14,836
Hotels and other lodging places	993	991	1,000	1,007	1,006	1,014	1,018	1,006	1,024	1,024	1,030	1,031	-
Personal services	832	833	832	832	827	826	824	822	823	823	817	815	-
Medical and other health services	4,273	4,304	4,317	4,333	4,359	4,385	4,409	4,439	4,417	4,476	4,505	4,519	-
Educational services	1,233	1,238	1,240	1,243	1,254	1,262	1,255	1,248	1,248	1,252	1,266	1,280	-
GOVERNMENT	14,958	15,001	14,993	15,000	15,038	15,053	15,062	15,089	15,091	15,122	15,095	15,091	15,132
FEDERAL	2,756	2,753	2,749	2,742	2,735	2,733	2,730	2,728	2,723	2,732	2,728	2,730	2,734
STATE AND LOCAL	12,202	12,248	12,244	12,258	12,303	12,320	12,332	12,361	12,368	12,390	12,367	12,361	12,398

^p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

**B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls,
by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P
TOTAL	51,400	51,582	51,902	52,099	52,358	52,623	52,607	52,606	52,695	52,733	53,051	52,904	53,104
GOODS-PRODUCING	16,497	16,566	16,719	16,742	16,856	16,990	16,972	16,928	16,906	16,846	16,993	16,860	16,986
MINING	577	582	582	581	587	588	588	592	599	561	605	607	616
CONTRACT CONSTRUCTION	2,706	2,691	2,704	2,665	2,667	2,702	2,691	2,671	2,689	2,658	2,639	2,664	2,690
MANUFACTURING	13,214	13,293	13,433	13,496	13,602	13,700	13,693	13,665	13,618	13,627	13,749	13,589	13,680
DURABLE GOODS	7,535	7,593	7,689	7,734	7,815	7,871	7,916	7,905	7,878	7,911	7,975	7,847	7,957
Ordnance and accessories	71	74	73	73	73	73	72	71	71	71	70	69	71
Lumber and wood products	482	485	495	497	500	501	503	504	507	507	515	515	520
Furniture and fixtures	383	387	390	397	400	405	408	405	401	398	408	404	401
Stone, clay, and glass products	488	487	491	489	492	499	500	501	503	499	503	500	502
Primary metal industries	889	897	903	910	922	931	938	943	952	956	959	936	936
Fabricated metal products	1,003	1,008	1,019	1,030	1,039	1,047	1,052	1,049	1,045	1,051	1,062	1,047	1,061
Machinery, except electrical	1,306	1,305	1,312	1,318	1,323	1,329	1,342	1,336	1,347	1,350	1,370	1,332	1,354
Electrical equipment and supplies	1,148	1,158	1,168	1,180	1,198	1,210	1,218	1,218	1,199	1,222	1,224	1,225	1,234
Transportation equipment	1,156	1,183	1,214	1,211	1,234	1,239	1,241	1,236	1,219	1,288	1,230	1,192	1,251
Instruments and related products	295	297	301	304	306	310	312	313	314	311	312	310	310
Miscellaneous manufacturing	314	312	323	325	328	327	329	328	320	318	322	317	317
NONDURABLE GOODS	5,679	5,700	5,744	5,762	5,787	5,829	5,777	5,760	5,740	5,716	5,774	5,742	5,723
Food and kindred products	1,145	1,145	1,156	1,164	1,157	1,164	1,167	1,172	1,177	1,168	1,164	1,161	1,149
Tobacco manufactures	67	66	65	64	62	63	62	62	67	65	63	63	61
Textile mill products	830	831	836	841	844	850	855	850	847	845	848	838	832
Apparel and other textile products	1,112	1,122	1,132	1,128	1,137	1,140	1,139	1,138	1,115	1,109	1,100	1,090	1,091
Paper and allied products	492	497	503	504	508	513	516	517	516	514	515	511	513
Printing and publishing	629	629	627	627	629	630	632	630	630	629	632	632	632
Chemicals and allied products	578	577	582	587	588	591	592	587	591	595	589	587	586
Petroleum and coal products	130	130	131	132	132	134	132	130	130	130	130	131	131
Rubber and plastics products, nec	464	469	474	476	490	503	439	436	433	432	504	503	503
Leather and leather products	232	234	238	239	240	241	242	238	234	229	229	226	225
SERVICE-PRODUCING	34,903	35,016	35,183	35,357	35,502	35,633	35,635	35,678	35,789	35,887	36,058	36,044	36,118
TRANSPORTATION AND PUBLIC UTILITIES	3,846	3,840	3,846	3,864	3,863	3,869	3,859	3,840	3,859	3,854	3,877	3,854	3,879
WHOLESALE AND RETAIL TRADE	15,034	15,090	15,198	15,297	15,373	15,435	15,433	15,433	15,476	15,504	15,572	15,561	15,537
WHOLESALE TRADE	3,455	3,470	3,488	3,502	3,505	3,520	3,528	3,523	3,532	3,534	3,547	3,554	3,571
RETAIL TRADE	11,579	11,620	11,710	11,795	11,868	11,915	11,905	11,910	11,944	11,970	12,025	12,007	11,966
FINANCE, INSURANCE, AND REAL ESTATE	3,240	3,251	3,258	3,258	3,268	3,276	3,263	3,280	3,288	3,289	3,309	3,325	3,346
SERVICES	12,783	12,835	12,881	12,938	12,998	13,053	13,080	13,125	13,168	13,240	13,300	13,304	13,356

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, 1973 to date

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1973				
January	75.9	84.9	83.7	81.1
February	76.5	83.7	79.7	81.1
March	75.3	77.6	80.8	82.3
April	66.3	73.5	75.6	81.1
May	58.1	72.7	70.9	79.7
June	66.3	65.4	65.4	78.5
July	55.8	62.8	69.2	76.2
August	56.4	60.8	70.9	73.3
September	54.9	66.9	70.9	69.8
October	71.2	74.7	72.4	66.6
November	77.0	77.3	67.7	66.9
December	66.0	70.6	67.7	64.2
1974				
January	58.7	61.6	64.8	63.1
February	55.8	55.2	56.4	59.6
March	48.0	54.7	54.7	54.9
April	54.7	52.3	51.5	50.0
May	54.7	57.0	50.3	40.1
June	54.4	50.9	44.5	28.2
July	49.1	44.2	35.8	26.7
August	42.2	36.0	32.0	22.1
September	32.6	35.5	21.8	20.6
October	35.5	26.2	15.7	18.6
November	19.8	21.8	16.0	16.6
December	19.8	12.8	13.7	14.0
1975				
January	16.9	12.5	13.7	16.3
February	16.9	14.0	12.8	17.4
March	27.3	22.7	18.9	17.2
April	44.2	34.6	29.1	20.3
May	51.2	43.6	40.7	25.6
June	39.8	47.7	59.0	40.1
July	57.3	55.5	63.4	50.3
August	72.4	75.0	66.6	61.9
September	81.4	78.8	72.4	71.5
October	64.0	70.6	78.8	75.9
November	59.6	69.2	79.4	79.1
December	69.2	75.0	77.6	81.4
1976				
January	76.7	82.0	82.8	84.6
February	74.4	84.3	83.1	82.8
March	77.9	84.9	77.0	79.4
April	77.9	81.1	77.0	74.4p
May	63.4	70.6	71.5	73.8p
June	47.1	57.0	70.9	
July	52.9	47.4	56.4p	
August	49.1	65.1	54.1p	
September	68.9	54.4p		
October	39.8p	54.4p		
November	57.8p			
December				

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

ESTABLISHMENT DATA

STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
1 ALABAMA	1,165.7	1,189.0	(*)	12.2	12.0	(*)	71.6	71.9	(*)	325.6	334.9	(*)
2 Birmingham	306.8	309.2	311.1	7.9	8.3	8.2	19.2	20.0	19.9	65.7	63.8	64.9
3 Huntsville	99.7	101.8	101.1	(1)	(1)	(1)	4.6	4.5	4.4	23.7	26.5	26.1
4 Mobile	124.1	128.0	127.5	(1)	(1)	(1)	9.5	10.4	9.9	25.8	26.6	27.1
5 Montgomery	86.9	86.9	87.2	(1)	(1)	(1)	5.7	5.9	5.8	13.4	13.3	13.4
6 Tuscaloosa	47.2	47.3	47.1	(1)	(1)	(1)	3.1	3.2	3.1	11.4	11.1	10.7
7 ALASKA	178.2	186.8	176.7	3.8	4.3	4.1	37.0	41.9	36.9	9.3	11.7	10.7
8 ARIZONA	737.3	747.9	754.8	23.5	24.4	24.6	42.5	41.0	41.0	56.7	101.6	101.5
9 Phoenix	438.0	443.7	448.7	.4	.4	.4	23.8	23.3	22.9	71.6	74.3	74.6
10 Tucson	144.6	145.3	147.4	7.4	7.9	7.9	9.2	9.0	9.3	12.2	12.2	12.3
11 ARKANSAS	636.5	652.3	653.0	4.2	4.1	4.1	31.0	32.3	32.5	182.8	191.4	190.0
12 Fayetteville-Springdale	50.7	51.2	51.4	(1)	(1)	(1)	2.2	2.2	2.3	15.3	15.8	15.8
13 Fort Smith	56.2	58.3	57.9	.4	.3	.3	2.3	2.5	2.5	20.4	22.2	21.9
14 Little Rock-North Little Rock	152.8	154.3	154.6	(1)	(1)	(1)	9.8	8.9	9.1	27.5	27.8	28.0
15 Pine Bluff	25.9	26.1	26.1	(1)	(1)	(1)	1.2	1.1	1.0	5.5	5.7	5.6
16 CALIFORNIA	7,884.5	8,035.6	8,045.5	32.4	34.0	34.0	291.5	288.4	287.3	1,612.5	1,642.9	1,615.0
17 Anaheim-Santa Ana-Garden Grove	581.6	606.8	616.8	2.2	2.2	2.2	22.4	27.2	29.7	153.8	157.8	157.6
18 Bakersfield	103.1	104.3	105.5	7.5	7.5	7.5	3.7	4.1	4.1	9.0	8.7	8.8
19 Fresno	150.8	153.3	154.4	.8	.8	.8	6.8	7.0	6.9	21.4	21.2	21.0
20 Los Angeles-Long Beach	3,001.8	3,078.5	3,095.3	11.1	11.6	11.6	95.1	90.4	88.4	777.7	782.1	785.4
21 Modesto	76.6	80.1	75.4	.1	.1	.1	3.5	3.8	3.7	23.8	26.3	20.9
22 Oxnard-Simi Valley-Ventura	113.8	113.4	115.3	1.7	1.8	1.8	3.9	3.3	3.2	16.8	17.0	16.9
23 Riverside-San Bernardino-Ontario	334.8	338.7	341.8	2.4	2.4	2.5	12.3	12.4	12.7	51.1	53.0	52.1
24 Sacramento	320.7	330.9	326.5	.4	.4	.4	13.4	13.7	13.2	26.6	27.7	23.2
25 Salinas-Seaside-Monterey	77.0	77.4	77.9	.6	.6	.6	2.5	2.7	2.6	9.7	8.9	9.8
26 San Diego	472.5	483.7	485.8	.5	.5	.5	19.8	21.5	21.6	70.2	71.2	70.8
27 San Francisco-Oakland	1,328.8	1,340.7	1,337.7	1.6	1.6	1.6	58.3	58.4	58.6	189.6	194.8	189.6
28 San Jose	479.7	501.7	494.2	.1	.1	.1	18.2	18.9	19.0	157.9	167.8	159.8
29 Santa Barbara-Santa Maria-Lompoc	93.5	97.1	98.1	.7	.7	.7	3.2	3.2	3.2	12.4	12.4	13.2
30 Santa Rosa	66.1	69.1	69.3	.2	.2	.2	3.8	3.8	3.8	9.3	10.2	10.3
31 Stockton	107.5	109.2	105.0	.1	.1	.1	4.1	4.6	4.4	22.7	24.8	19.7
32 Vallejo-Fairfield-Napa	83.4	83.2	84.0	.1	.1	.1	3.9	3.5	3.5	9.3	9.4	9.0
33 COLORADO	964.6	981.8	990.4	19.4	20.3	20.4	60.8	59.1	58.4	138.2	140.2	142.0
34 Denver-Boulder	609.9	621.3	624.4	7.6	8.1	8.0	39.4	38.2	37.5	92.9	95.3	95.5
35 CONNECTICUT	1,219.4	1,239.8	1,239.4	(2)	(2)	(2)	44.6	42.1	41.2	381.8	397.3	397.7
36 Bridgeport	149.6	148.6	148.4	(2)	(2)	(2)	4.6	4.7	4.6	58.7	56.2	58.0
37 Hartford	336.8	338.7	337.9	(2)	(2)	(2)	11.4	11.5	11.1	83.6	85.5	83.8
38 New Britain	55.6	55.0	55.5	(2)	(2)	(2)	2.4	2.5	2.5	26.3	26.0	26.1
39 New Haven-West Haven	175.0	174.5	175.0	(2)	(2)	(2)	6.9	6.4	6.3	44.4	43.2	43.3
40 Stamford	89.0	91.7	91.8	(2)	(2)	(2)	3.1	3.1	3.1	27.5	28.6	28.8
41 Waterbury	80.8	82.8	83.1	(2)	(2)	(2)	2.6	2.6	2.6	33.0	34.3	34.5
42 DELAWARE	228.3	229.1	(*)	(1)	(1)	(*)	15.5	14.7	(*)	68.6	67.7	(*)
43 Wilmington	204.6	205.2	(*)	(1)	(1)	(*)	14.3	13.6	(*)	65.6	66.4	(*)
44 DISTRICT OF COLUMBIA ³	572.4	580.1	580.3	(1)	(1)	(1)	20.2	20.7	20.5	14.1	16.2	16.2
45 Washington SMSA	1,328.5	1,335.5	1,337.7	(1)	(1)	(1)	69.5	70.7	75.7	44.4	47.3	47.4
46 FLORIDA	2,679.6	2,665.3	2,687.4	10.8	11.2	11.2	158.4	141.1	142.3	326.3	336.4	338.6
47 Fort Lauderdale-Hollywood	226.1	224.2	226.1	(1)	(1)	(1)	17.0	14.7	14.6	24.4	24.8	25.2
48 Jacksonville	257.6	260.4	260.2	(1)	(1)	(1)	14.3	13.6	13.6	28.7	30.0	29.7
49 Miami	575.0	569.8	575.3	(1)	(1)	(1)	22.9	21.0	20.8	79.3	82.6	83.5
50 Orlando	208.6	207.5	209.5	(1)	(1)	(1)	13.8	13.4	13.3	23.0	23.2	23.2
51 Pensacola	85.5	86.1	86.1	(1)	(1)	(1)	6.7	6.7	6.9	14.0	13.7	13.6
52 Tampa-St. Petersburg	409.4	408.5	409.1	(1)	(1)	(1)	25.7	23.8	23.4	54.0	54.4	54.8
53 West Palm Beach-Boca Raton	139.4	140.0	142.2	(1)	(1)	(1)	11.0	9.9	9.9	17.4	17.7	17.9
54 GEORGIA	1,746.0	1,771.4	1,774.6	6.8	7.1	6.5	77.7	75.8	75.8	450.3	467.0	462.3
55 Atlanta	735.9	748.9	748.8	(1)	(1)	(1)	33.0	33.1	33.0	118.7	122.8	119.2
56 Augusta	102.7	106.9	107.7	(1)	(1)	(1)	5.4	5.4	5.9	31.7	33.7	33.6
57 Columbus	75.9	76.4	75.7	(1)	(1)	(1)	4.8	5.2	5.1	21.0	21.7	21.7
58 Macon	90.8	89.5	89.2	(1)	(1)	(1)	4.6	4.4	4.2	13.9	15.1	14.8
59 Savannah	72.1	74.2	75.2	(1)	(1)	(1)	4.6	4.3	4.9	14.4	15.5	15.6
60 HAWAII	334.7	335.2	338.7	(1)	(1)	(1)	26.8	22.9	22.7	22.3	23.7	22.7
61 Honolulu	282.1	280.0	284.5	(1)	(1)	(1)	22.8	19.1	18.9	15.9	17.2	16.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	
59.6	62.0	(*)	229.4	235.8	(*)	50.4	51.6	(*)	170.5	174.5	(*)	246.4	246.3	(*)	1
22.0	23.0	23.0	72.1	73.2	73.3	19.6	20.0	20.0	52.2	52.9	53.1	48.1	48.0	48.7	2
2.0	2.0	2.0	18.5	19.0	19.0	2.8	2.9	2.8	16.1	16.1	16.0	32.0	30.8	30.8	3
9.2	10.2	9.7	29.4	29.3	29.3	6.0	6.2	6.2	23.7	24.3	24.3	20.5	21.0	21.0	4
4.2	4.2	4.2	20.6	20.3	20.4	5.0	5.1	5.2	15.4	15.3	15.3	22.6	22.8	22.9	5
1.8	1.8	1.8	7.8	8.0	8.0	1.4	1.5	1.5	5.3	5.5	5.5	16.4	16.2	16.5	6
17.7	17.2	16.2	27.6	27.5	27.1	6.6	7.1	7.0	27.6	28.2	27.4	48.6	48.9	47.3	7
38.3	38.8	38.7	176.5	179.5	180.7	42.2	42.6	42.9	137.7	142.8	144.6	177.5	177.0	180.8	8
22.9	23.3	23.2	114.9	117.3	118.3	32.5	33.2	33.4	84.2	85.3	87.1	87.7	86.6	88.8	9
7.6	7.6	7.5	31.8	31.6	32.0	6.0	5.8	5.8	28.6	29.3	29.7	41.8	41.9	42.9	10
38.8	37.4	38.2	134.5	140.4	139.0	27.8	29.7	29.7	91.4	96.5	95.8	126.0	120.5	123.6	11
3.0	3.0	3.0	11.0	11.1	11.1	2.1	2.3	2.3	7.5	7.2	7.2	9.8	9.6	9.7	12
2.8	2.8	2.9	12.1	12.3	12.3	2.0	2.1	2.1	8.8	9.1	9.0	7.4	7.0	6.9	13
11.6	11.9	11.8	34.5	35.4	35.4	11.0	11.5	11.4	25.6	26.3	26.0	32.8	32.5	32.9	14
3.3	3.2	3.1	4.8	4.9	5.2	1.1	1.2	1.2	4.2	4.3	4.3	5.8	5.7	5.7	15
465.5	478.4	471.2	1,779.8	1,840.1	1,839.7	456.2	470.5	471.4	1,584.5	1,641.0	1,634.2	1,662.1	1,640.3	1,692.6	16
17.9	18.8	18.8	146.5	157.0	156.9	33.2	35.0	35.5	112.0	118.0	118.5	93.6	90.8	97.6	17
6.7	7.2	7.2	24.4	25.2	25.1	3.9	3.9	3.9	18.5	18.1	18.9	29.4	29.6	30.0	18
9.5	9.4	9.4	37.6	39.3	38.9	7.2	7.3	7.3	28.8	29.4	30.3	38.9	38.9	39.8	19
175.3	181.6	178.0	697.8	711.5	712.2	186.6	191.2	190.8	630.5	646.9	647.2	481.7	463.2	481.7	20
3.4	3.5	3.4	15.4	15.5	16.1	1.9	1.9	1.9	14.0	14.4	14.4	14.5	14.6	14.9	21
4.4	4.4	4.5	25.6	26.9	26.6	4.4	4.4	4.4	20.7	21.3	21.4	36.1	34.3	36.5	22
18.6	18.5	18.5	81.1	83.6	83.7	12.3	12.4	12.5	69.1	68.4	69.7	87.9	88.0	90.1	23
17.2	17.8	17.8	71.5	74.7	75.0	13.8	14.4	14.3	50.0	52.4	52.0	127.8	129.8	130.6	24
4.5	4.5	4.5	19.9	20.5	20.3	2.9	3.0	3.0	15.8	16.1	15.9	21.1	21.1	21.2	25
22.5	23.0	23.2	110.1	114.1	113.4	25.8	27.0	27.1	97.1	101.3	100.3	126.5	125.1	128.9	26
123.0	122.5	121.6	289.1	293.4	293.5	114.0	115.9	115.9	265.9	272.7	271.5	285.3	281.4	285.4	27
18.9	18.7	18.6	92.6	97.4	97.7	19.0	19.6	19.7	97.9	103.3	103.5	75.1	75.9	75.8	28
3.0	3.0	3.0	26.9	22.2	22.2	4.2	4.2	4.2	24.0	24.3	24.1	25.1	27.1	27.5	29
3.4	3.5	3.5	15.8	17.0	16.8	4.2	4.3	4.4	12.0	12.7	12.6	17.4	17.4	17.7	30
7.9	8.2	7.8	23.6	23.7	24.0	3.7	3.8	3.6	18.7	19.0	19.1	26.5	25.0	26.1	31
3.8	3.9	3.8	14.5	15.1	15.0	2.3	2.3	2.3	14.6	14.6	15.1	34.9	34.3	35.2	32
60.4	61.2	60.8	229.0	234.9	235.7	56.2	59.9	59.6	183.7	196.2	194.6	216.9	210.2	219.0	33
40.9	40.9	40.6	152.0	154.7	154.8	42.0	44.5	44.3	119.6	126.8	126.3	115.4	112.9	117.4	34
53.2	52.2	51.2	252.0	256.7	256.6	85.3	86.1	86.0	223.8	231.7	231.6	178.7	173.8	174.9	35
6.1	6.1	6.1	30.9	30.5	30.7	5.9	6.0	6.0	25.1	25.3	25.4	18.2	17.8	17.7	36
12.2	12.2	11.8	71.9	71.5	72.6	49.2	49.5	49.6	57.2	57.6	58.3	51.3	50.8	50.7	37
1.8	1.7	1.8	9.1	9.0	9.2	1.5	1.5	1.5	7.6	7.7	7.8	7.0	6.6	6.6	38
14.4	14.3	14.3	35.4	36.1	36.1	8.6	9.0	9.0	41.5	42.2	42.5	23.7	23.2	23.6	39
3.1	3.0	2.8	19.9	20.3	20.5	6.1	6.2	6.2	20.4	20.9	20.9	8.9	9.4	9.5	40
3.0	3.0	3.1	14.2	14.6	14.5	2.9	2.9	2.9	14.5	15.1	15.2	10.6	10.3	10.3	41
11.4	11.4	(*)	46.4	45.2	(*)	11.2	11.3	(*)	36.9	37.4	(*)	38.3	41.4	(*)	42
10.3	10.3	(*)	38.8	38.2	(*)	10.3	10.2	(*)	32.8	33.6	(*)	32.3	32.9	(*)	43
28.5	29.1	28.9	65.1	66.9	67.2	32.9	32.9	32.9	146.1	150.5	150.6	265.5	263.4	264.0	44
63.4	65.2	63.9	254.5	261.7	263.9	78.2	79.0	79.1	307.3	316.3	314.9	510.8	509.1	512.8	45
172.6	183.1	182.6	702.3	691.7	700.5	189.8	192.5	192.8	571.7	578.0	583.0	547.7	531.3	536.4	46
13.4	13.6	13.7	64.4	63.5	64.9	17.6	19.0	18.7	51.9	49.9	50.1	37.4	38.7	38.9	47
20.7	20.8	20.9	68.7	69.1	69.6	27.1	27.4	27.2	46.4	46.9	46.4	51.7	52.6	52.6	48
54.7	57.3	57.1	151.1	145.0	146.1	43.4	43.5	44.0	138.7	136.0	137.2	84.9	84.4	66.6	49
11.4	11.5	11.5	58.8	58.4	59.0	14.1	13.9	13.9	51.8	52.2	53.0	35.7	34.9	35.6	50
4.2	4.3	4.4	18.6	18.9	18.9	3.4	3.6	3.5	14.5	15.0	14.9	24.1	23.9	23.9	51
26.0	26.6	25.8	117.8	116.7	116.7	28.8	28.8	29.0	87.7	88.3	88.1	65.4	70.5	71.3	52
6.5	6.5	6.5	37.2	37.7	37.9	10.1	10.2	10.3	33.6	34.4	35.3	23.6	23.6	24.4	53
114.3	114.5	113.8	388.1	389.7	390.8	97.0	95.1	95.3	252.9	257.3	258.0	358.9	365.1	372.1	54
68.2	68.5	68.5	201.8	205.6	205.6	57.5	57.8	57.6	129.5	135.1	135.5	127.2	126.0	127.0	55
3.8	3.9	3.5	17.5	19.1	19.1	3.6	3.6	3.6	13.5	14.5	14.6	27.2	26.7	27.0	56
2.8	2.8	2.8	15.1	14.3	14.3	4.4	4.7	4.7	9.9	10.0	9.8	17.9	17.7	17.3	57
3.7	3.6	3.5	18.5	18.5	18.6	5.5	5.4	5.4	14.1	13.6	13.6	30.5	29.1	29.1	58
8.1	7.1	6.9	16.3	17.6	17.8	3.6	3.7	3.6	11.9	12.5	12.6	13.2	13.5	13.8	59
25.2	26.1	25.7	83.7	85.3	85.3	23.4	23.9	23.9	72.2	74.5	74.9	81.1	78.8	83.5	60
21.2	22.0	21.7	71.5	72.9	73.0	21.1	21.4	21.4	59.8	61.4	61.6	70.0	66.8	71.5	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

	State and area	Total			Mining			Contract construction			Manufacturing		
		OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEP. 1976	OCT. 1976P	OCT. 1975	SEP. 1976	OCT. 1976P
1	IDAHO ^{4 5}	279.9	299.1	296.7	3.7	3.4	3.3	18.4	20.2	19.6	51.3	53.9	51.9
2	Boise City ^{4 5}	61.7	66.1	66.2	(1)	(1)	(1)	5.2	5.4	5.4	6.1	6.4	6.5
3	ILLINOIS ⁶	4,419.0	4,440.2	4,454.9	26.5	27.3	27.1	179.0	184.5	181.3	1,180.1	1,191.7	1,177.7
4	Bloomington—Normal ⁶	47.5	46.5	46.9	(2)	(2)	(2)	1.9	1.7	1.7	7.1	6.7	6.8
5	Champaign—Urbana—Rantoul ⁶	67.9	71.0	74.4	(2)	(2)	(2)	2.5	3.3	3.2	6.4	6.4	6.7
6	Chicago—Gary	3,219.4	3,264.9	(*)	4.5	4.5	(*)	134.1	147.3	(*)	904.8	920.4	(*)
7	Chicago SMSA ^{6 7}	2,974.0	2,959.6	3,018.5	4.2	4.2	4.2	107.7	114.9	117.1	800.1	809.4	808.8
8	Davenport—Rock Island—Moline ⁶	150.1	153.7	146.2	(2)	(2)	(2)	6.9	6.3	6.3	46.0	48.6	40.9
9	Decatur ⁶	52.7	53.9	53.9	(2)	(2)	(2)	3.2	3.7	3.7	18.0	19.3	19.2
10	Peoria ⁶	145.4	143.0	144.7	(2)	(2)	(2)	9.1	9.7	9.4	52.5	49.5	56.1
11	Rockford ⁶	112.1	114.6	114.0	(2)	(2)	(2)	4.2	4.5	4.4	49.2	50.9	50.8
12	Springfield ⁶	78.6	78.5	78.5	(2)	(2)	(2)	3.9	3.8	3.7	9.0	8.5	8.6
13	INDIANA	1,955.5	2,011.3	2,004.0	7.8	8.3	8.3	67.2	65.8	66.2	651.2	669.9	680.2
14	Evansville	107.0	106.6	(*)	2.2	2.3	(*)	5.2	5.4	(*)	34.2	33.3	(*)
15	Fort Wayne	148.8	155.2	(*)	(1)	(1)	(*)	6.4	6.8	(*)	50.4	56.0	(*)
16	Gary—Hammond—East Chicago ⁷	231.9	238.1	236.1	(1)	(1)	(1)	13.5	13.9	14.2	93.6	95.6	98.1
17	Indianapolis	449.9	451.4	(*)	(1)	(1)	(*)	16.1	14.1	(*)	119.6	121.2	(*)
18	Muncie	46.3	44.4	45.6	(1)	(1)	(1)	1.5	1.5	1.6	14.7	13.5	13.4
19	South Bend	100.0	101.6	(*)	(1)	(1)	(*)	3.7	3.9	(*)	29.7	31.2	(*)
20	Terre Haute	59.3	58.2	(*)	1.0	1.1	(*)	2.3	2.2	(*)	16.6	16.0	(*)
21	IOWA	1,013.3	1,031.8	1,014.4	2.9	2.9	2.8	51.3	52.0	50.8	230.3	236.6	218.7
22	Cedar Rapids	74.5	75.5	75.4	(1)	(1)	(1)	3.3	2.9	2.9	26.9	26.2	28.0
23	Des Moines	156.1	156.6	156.6	(1)	(1)	(1)	7.5	7.4	7.3	24.3	24.5	22.2
24	Dubuque	59.6	40.2	55.1	(1)	(1)	(1)	1.4	1.2	1.2	15.4	16.1	11.0
25	Sioux City	51.0	50.5	50.6	(1)	(1)	(1)	3.3	3.9	3.8	12.9	12.4	12.3
26	Waterloo—Cedar Falls	57.6	58.7	50.2	(1)	(1)	(1)	2.5	2.3	2.2	20.4	21.0	12.2
27	KANSAS	611.8	633.9	638.5	10.7	10.7	10.8	42.1	42.9	43.5	161.0	162.9	164.6
28	Topeka	75.1	76.0	76.7	.1	.1	.1	2.7	3.1	3.2	10.0	10.2	10.2
29	Wichita	166.1	171.0	173.7	2.2	2.0	2.2	7.9	9.0	9.2	52.1	52.8	53.3
30	KENTUCKY	1,051.5	1,077.3	1,075.6	44.8	45.1	45.9	50.1	56.3	57.2	251.6	266.7	258.9
31	Lexington—Fayette	124.4	125.6	129.3	(1)	(1)	(1)	6.1	5.7	5.6	28.5	30.2	30.1
32	Louisville	347.5	354.4	345.1	(1)	(1)	(1)	15.4	16.3	15.3	101.9	106.6	99.1
33	LOUISIANA	1,208.7	1,214.3	1,214.1	55.7	55.0	55.0	90.6	91.3	91.1	184.1	184.2	184.5
34	Baton Rouge	156.9	156.3	157.2	.9	.9	.9	16.4	17.8	18.5	21.6	22.1	22.2
35	Lake Charles	48.0	49.5	49.9	1.3	1.3	1.3	5.1	5.2	5.6	10.5	11.1	11.1
36	Monroe	42.9	43.1	43.0	.3	.3	.3	3.9	3.8	3.8	6.8	6.9	6.9
37	New Orleans	423.3	429.2	428.2	15.6	16.5	16.6	26.5	26.7	26.7	50.2	50.1	50.3
38	Shreveport	126.5	127.1	127.6	4.4	4.4	4.4	8.6	8.6	8.4	25.2	25.8	25.8
39	MAINE	361.8	374.1	373.5	(1)	(1)	(1)	19.2	20.5	20.1	98.8	105.3	103.5
40	Lewiston—Auburn	30.6	31.2	30.9	(1)	(1)	(1)	1.1	1.3	1.2	11.2	11.8	11.6
41	Portland	76.6	77.6	77.7	(1)	(1)	(1)	3.2	3.6	3.6	15.8	15.6	15.8
42	MARYLAND	1,458.7	1,455.5	1,465.0	1.7	1.8	1.7	97.5	97.9	98.3	229.2	236.9	235.3
43	Baltimore	650.9	654.3	661.5	.3	.3	.3	48.1	46.8	46.7	160.2	164.7	163.7
44	MASSACHUSETTS	2,293.3	2,311.9	2,313.3	(1)	(1)	(1)	78.7	71.8	69.6	579.8	591.7	592.0
45	Boston	1,267.7	1,255.3	1,264.5	(1)	(1)	(1)	46.1	42.0	40.5	252.0	257.0	258.5
46	Brockton	50.2	51.1	51.8	-	-	-	1.6	1.5	1.5	11.6	11.7	11.7
47	Fall River	50.2	49.7	49.5	(1)	(1)	(1)	(1)	(1)	(1)	20.7	19.6	19.4
48	Lawrence—Haverhill	54.7	54.0	53.9	(1)	(1)	(1)	2.4	2.3	2.1	37.9	34.9	35.7
49	Lowell	55.7	60.7	61.1	(1)	(1)	(1)	1.9	1.8	1.7	19.8	20.8	20.9
50	New Bedford	58.5	59.5	59.9	(1)	(1)	(1)	1.3	1.1	1.1	23.9	24.4	24.3
51	Springfield—Chicopee—Holyoke	212.5	215.5	215.3	(1)	(1)	(1)	6.3	6.1	6.2	61.9	63.4	63.3
52	Worcester	142.1	144.4	145.6	(1)	(1)	(1)	4.5	4.6	4.5	41.1	42.5	42.5
53	MICHIGAN	3,184.8	3,236.7	3,229.5	13.8	13.1	12.9	103.2	93.1	93.1	1,004.7	1,079.6	1,052.4
54	Ann Arbor	114.5	118.6	117.4	(1)	(1)	(1)	2.1	2.2	2.2	33.5	37.9	33.4
55	Battle Creek	61.8	64.3	64.4	(1)	(1)	(1)	1.3	1.8	1.8	22.7	23.4	23.4
56	Bay City	32.7	33.5	33.6	(1)	(1)	(1)	1.4	1.5	1.6	9.8	9.8	10.0
57	Detroit	1,591.6	1,627.8	1,616.5	1.2	1.2	1.2	48.1	44.3	43.9	524.0	569.7	549.0
58	Flint	174.1	185.9	186.6	(1)	(1)	(1)	4.6	4.9	5.0	70.5	79.1	79.3
59	Grand Rapids	214.6	219.4	221.1	(1)	(1)	(1)	9.2	9.0	9.0	69.1	73.3	72.4
60	Jackson	48.8	50.3	50.0	(1)	(1)	(1)	1.6	1.8	1.8	15.3	15.6	15.2
61	Kalamazoo—Portage	98.5	100.2	100.2	(1)	(1)	(1)	4.5	4.1	4.1	31.7	32.8	32.5
62	Lansing—East Lansing	165.5	162.6	172.2	(1)	(1)	(1)	5.8	6.1	6.0	36.7	41.2	40.9
63	Muskegon—Norton Shores—Muskegon Hgts.	57.3	60.3	59.7	(1)	(1)	(1)	2.0	2.1	2.1	21.7	23.1	22.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEP. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
MICHIGAN—Continued												
1 Saginaw	80.7	84.2	84.8	(1)	(1)	(1)	2.5	2.6	2.5	30.6	33.1	33.3
MINNESOTA	1,503.7	1,520.5	1,532.8	13.9	15.3	15.2	75.1	74.7	72.6	314.0	324.7	319.1
3 Duluth—Superior	56.7	57.1	57.1	(1)	(1)	(1)	2.7	2.6	2.6	7.6	7.2	7.2
4 Minneapolis—St. Paul	909.1	910.5	918.6	(1)	(1)	(1)	40.8	39.4	38.8	260.7	203.9	202.1
MISSISSIPPI	680.1	689.4	691.0	6.3	6.5	6.5	37.1	38.4	38.1	205.0	209.3	208.2
6 Jackson	116.9	118.0	118.2	.8	.9	.9	6.1	5.6	5.6	17.2	17.7	17.3
MISSOURI	1,737.3	1,764.3	1,763.2	8.5	8.3	8.3	71.9	73.0	71.8	406.3	424.8	417.2
8 Kansas City	542.7	554.9	550.6	.6	.5	.6	25.7	25.3	24.6	105.5	113.0	109.2
9 St. Joseph	34.4	36.7	36.4	(2)	(2)	(2)	1.6	2.5	2.4	8.8	9.9	9.8
10 St. Louis	908.2	908.7	910.2	2.6	2.6	2.6	39.9	39.9	39.0	240.3	248.0	245.6
11 Springfield	70.7	74.2	73.0	.2	.1	.1	2.7	3.1	3.0	17.7	18.5	16.9
MONTANA	245.6	246.2	247.5	6.6	6.2	6.2	14.1	12.0	11.7	23.3	23.2	22.9
13 Billings	39.7	41.3	41.8	(1)	(1)	(1)	2.2	2.3	2.3	3.5	3.7	4.1
14 Great Falls	27.5	28.8	28.7	(1)	(1)	(1)	1.6	1.8	1.8	1.7	1.7	1.7
NEBRASKA	562.3	571.5	572.0	1.7	1.5	1.4	30.9	27.9	28.1	85.1	89.8	90.8
16 Lincoln	89.6	91.6	92.0	-	-	-	5.2	4.4	4.3	13.0	13.9	13.9
17 Omaha	233.9	237.5	238.5	(2)	(2)	(2)	12.3	11.3	11.6	33.0	34.7	35.0
NEVADA	271.9	286.0	285.4	4.4	3.7	3.6	12.7	14.9	14.9	12.6	13.0	13.0
19 Las Vegas	147.0	154.5	154.8	.2	.2	.2	6.6	7.8	7.7	5.2	5.4	5.4
20 Reno	77.4	81.2	81.6	.4	.4	.4	4.3	5.1	5.3	5.0	5.3	5.3
NEW HAMPSHIRE	301.2	316.5	316.4	.5	.5	.5	14.6	15.9	15.6	86.9	93.3	92.8
21 Manchester	57.3	57.7	58.8	(1)	(1)	(1)	2.2	2.3	2.3	16.3	17.2	17.1
23 Nashua	44.0	45.7	45.4	(1)	(1)	(1)	1.2	1.5	1.4	19.9	20.9	20.7
NEW JERSEY	2,679.4	2,671.0	2,674.0	2.6	3.0	2.9	95.9	87.6	87.9	740.5	738.2	731.2
24 Atlantic City	62.5	65.4	60.8	-	-	-	2.5	2.8	2.8	8.3	7.7	7.4
26 Camden ?	284.0	282.9	280.6	.1	.1	.1	12.4	13.1	13.0	64.5	62.7	63.2
27 Hackensack ¹⁰	341.0	336.2	337.4	(1)	(1)	(1)	13.1	10.1	10.6	101.7	101.5	98.1
28 Jersey City ¹⁰	234.1	229.0	230.7	-	-	-	4.3	4.0	4.1	77.0	72.7	73.0
29 Long Branch—Asbury Park	137.2	142.4	140.2	(1)	(1)	(1)	4.5	4.1	4.2	22.2	23.3	23.1
30 New Burns—Perth Amboy—Sayreville ¹⁰	235.3	236.0	237.7	(1)	(1)	(1)	9.4	9.4	9.2	80.0	77.6	77.2
31 Newark ¹⁰	846.6	836.3	842.7	.8	.8	.8	31.9	27.6	27.7	231.6	234.9	234.1
32 Paterson—Clifton—Passaic ¹⁰	175.2	174.9	176.8	(1)	(1)	(1)	4.8	5.3	5.6	64.8	63.4	63.7
33 Trenton	150.0	154.6	155.8	(1)	(1)	(1)	3.1	3.5	3.4	36.5	37.9	37.7
34 Vineland—Millville—Bridgeton	50.7	51.4	50.9	(1)	(1)	(1)	1.5	1.5	1.4	18.5	19.2	18.6
NEW MEXICO	370.3	390.3	390.4	20.3	21.5	21.5	25.0	26.2	25.9	28.0	30.4	30.2
36 Albuquerque	146.0	157.4	157.8	(1)	(1)	(1)	9.4	10.4	10.3	14.9	16.2	16.1
NEW YORK	6,764.1	6,703.2	(*)	7.7	7.7	(*)	<05.1	211.5	(*)	1,416.2	1,431.7	(*)
38 Albany—Schenectady—Troy	305.7	302.0	302.1	(1)	(1)	(1)	11.8	10.5	10.1	59.9	62.3	60.9
39 Binghamton	107.7	110.2	111.2	(1)	(1)	(1)	5.0	4.7	4.6	37.9	39.6	39.6
40 Buffalo	484.5	487.0	488.5	(1)	(1)	(1)	17.3	17.0	16.8	140.4	144.9	143.4
41 Elmira	37.2	37.3	37.3	(1)	(1)	(1)	1.5	1.5	1.5	12.3	12.7	12.7
42 Monroe County ¹¹	315.9	317.7	322.7	(1)	(1)	(1)	10.1	10.8	10.7	123.8	126.5	127.0
43 Nassau—Suffolk ¹²	765.9	791.2	795.2	(1)	(1)	(1)	31.0	28.3	27.8	138.0	137.2	136.7
44 New York—Northeastern New Jersey	6,243.3	6,142.3	(*)	2.3	2.4	(*)	185.5	172.8	(*)	1,307.8	1,295.5	(*)
45 New York and Nassau—Suffolk ¹⁰	4,406.8	4,343.6	(*)	1.9	2.0	(*)	121.9	115.9	(*)	752.7	746.3	(*)
46 New York SMSA ¹²	3,620.9	3,549.9	(*)	1.8	1.9	(*)	91.0	87.6	(*)	614.6	609.2	(*)
47 New York City ¹³	3,229.9	3,159.7	(*)	1.5	1.6	(*)	74.6	72.7	(*)	536.8	529.9	(*)
48 Poughkeepsie	88.0	85.5	86.3	(1)	(1)	(1)	3.2	3.0	2.9	27.9	27.1	27.0
49 Rochester	388.1	390.5	396.9	(1)	(1)	(1)	12.1	12.8	12.6	143.6	146.5	147.8
50 Rockland County ¹³	72.4	73.3	72.9	(1)	(1)	(1)	2.1	1.8	1.9	13.5	14.1	14.1
51 Syracuse	237.2	241.9	245.0	(1)	(1)	(1)	10.8	13.2	12.8	52.9	55.3	55.7
52 Utica—Rome	109.3	109.7	110.3	(1)	(1)	(1)	3.2	3.1	3.0	30.3	30.3	30.4
53 Westchester County ¹³	308.6	308.5	310.6	(1)	(1)	(1)	13.5	12.3	12.2	63.4	64.1	65.2
NORTH CAROLINA	1,565.5	1,987.2	1,990.0	4.0	4.3	4.3	99.9	98.7	98.3	727.5	740.7	739.7
54 Asheville	59.2	61.0	61.3	(1)	(1)	(1)	2.9	3.2	3.2	18.6	19.2	19.2
56 Charlotte—Gastonia	276.0	272.1	272.7	(1)	(1)	(1)	15.7	14.6	14.2	79.0	80.8	80.9
57 Greensboro—Winston-Salem—High Pt.	330.2	334.6	335.4	(1)	(1)	(1)	14.1	14.3	14.1	133.9	136.6	136.2
58 Raleigh—Durham	211.6	211.8	214.1	(1)	(1)	(1)	10.3	10.2	10.1	34.6	35.7	35.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	
3.9	3.8	3.9	16.0	17.0	17.9	3.2	3.4	3.4	12.7	12.7	12.7	11.1	11.0	11.1	1
92.6	94.9	95.2	377.7	367.4	367.5	75.1	76.6	76.3	285.5	291.6	294.8	265.7	255.2	272.0	2
6.5	6.1	6.1	14.6	14.7	15.0	2.0	2.1	2.1	12.0	11.7	11.5	11.3	10.7	10.7	3
59.5	61.8	61.3	229.2	231.7	233.2	55.2	56.6	56.4	181.1	185.1	187.2	142.4	132.1	139.5	4
34.5	34.1	34.7	133.0	134.3	134.8	27.6	27.9	27.9	66.2	89.1	89.0	148.4	149.9	151.8	5
7.3	7.3	7.3	27.4	27.5	27.7	9.3	9.5	9.5	23.4	23.9	24.1	25.4	25.7	25.9	6
120.6	124.2	124.1	407.7	408.7	412.4	93.2	93.9	93.6	308.0	315.7	313.3	321.1	315.7	322.5	7
50.0	50.6	50.6	139.4	141.9	141.9	36.3	36.5	36.6	102.9	106.5	105.9	82.3	80.6	81.2	8
2.4	2.4	2.4	6.5	8.8	8.7	1.7	1.6	1.6	6.0	5.9	5.8	5.4	5.6	5.7	9
60.2	63.6	63.8	207.0	202.9	205.1	48.5	48.9	48.6	176.9	174.4	173.8	132.7	126.4	131.7	10
5.1	5.2	5.2	18.7	19.8	19.8	2.7	2.7	2.8	13.4	14.0	14.1	16.2	16.8	11.1	11
19.4	20.1	20.1	60.4	60.5	60.9	10.3	10.7	10.7	44.8	47.4	47.5	66.7	66.1	67.5	12
3.4	3.4	3.4	13.0	13.2	13.6	2.0	2.1	2.1	8.5	8.6	8.4	7.3	8.0	7.9	13
2.0	2.0	2.0	8.5	8.8	8.7	1.9	2.0	2.0	6.1	6.8	6.8	5.9	5.7	5.7	14
39.9	42.9	43.7	144.8	149.5	149.7	34.2	35.2	35.3	101.3	104.1	103.7	124.6	119.8	119.4	15
5.5	6.1	6.1	18.5	19.0	19.3	6.1	6.3	6.3	15.5	15.7	15.8	25.9	26.2	26.5	16
21.5	21.5	21.6	58.6	60.0	59.7	19.8	20.5	20.6	47.6	48.5	48.8	41.1	40.9	41.2	17
17.4	17.9	18.0	53.1	57.5	57.1	10.9	11.3	11.2	114.1	121.2	120.0	46.7	46.7	47.6	18
9.4	9.6	9.7	28.7	31.6	31.6	5.7	6.1	6.0	71.0	73.4	73.7	20.2	20.4	20.5	19
5.6	5.9	6.0	16.9	17.4	17.4	4.0	4.0	4.0	27.7	29.9	29.3	13.5	13.2	13.9	20
11.8	11.8	11.9	67.5	69.6	69.9	14.0	14.4	14.4	57.7	62.5	61.2	48.2	48.5	50.1	21
3.6	3.4	3.4	13.5	13.5	13.8	4.0	4.1	4.0	10.7	11.0	11.0	7.0	6.2	7.2	22
1.8	1.7	1.7	8.8	8.8	8.8	1.4	1.5	1.5	6.3	6.7	6.7	4.6	4.6	4.6	23
177.8	180.2	178.7	590.6	595.8	589.0	135.1	138.2	137.7	469.9	479.1	482.0	467.0	449.7	464.6	24
3.2	3.1	3.1	16.8	17.9	16.0	3.8	4.1	4.0	15.4	17.2	15.0	12.5	12.6	12.5	25
14.7	14.2	14.0	75.0	73.5	71.3	13.2	13.3	13.3	51.0	52.7	51.4	53.1	53.3	54.5	26
17.4	16.4	16.3	96.4	95.1	95.6	13.8	14.4	14.5	61.5	62.5	64.4	37.3	36.2	37.9	27
30.6	29.8	29.7	43.5	42.6	42.9	8.6	9.3	9.2	28.4	28.2	28.2	41.7	42.4	43.6	28
5.7	5.9	5.8	33.7	35.3	34.5	5.6	5.6	5.6	31.6	34.5	32.8	33.9	33.7	34.2	29
17.8	16.8	16.4	51.8	52.0	52.2	6.6	8.1	8.1	30.4	31.3	31.3	43.3	40.8	43.3	30
63.8	63.9	63.2	162.5	157.2	159.9	59.6	58.6	58.6	156.8	157.7	157.8	139.6	135.0	140.6	31
6.1	5.8	5.8	39.7	39.0	39.3	8.4	8.6	8.5	27.3	28.9	28.3	24.1	23.9	25.6	32
5.2	5.0	5.0	21.7	22.6	22.8	6.2	6.2	6.3	36.5	36.9	37.6	41.0	42.5	43.0	33
3.2	3.0	3.0	7.5	7.3	7.3	2.5	2.5	2.5	7.1	7.4	7.4	10.4	10.5	10.7	34
23.2	23.1	23.0	82.8	89.7	88.7	16.8	17.7	17.7	68.1	72.9	72.5	106.1	108.8	110.9	35
8.2	8.4	8.4	36.7	40.9	40.5	8.6	8.9	8.9	33.0	36.2	36.2	35.2	36.4	37.4	36
431.8	427.8	(*)	1,402.3	1,390.5	(*)	579.0	580.2	(*)	1,442.7	1,453.4	(*)	1,279.2	1,200.3	(*)	37
14.7	14.8	14.4	61.5	59.8	59.5	13.6	13.4	13.4	58.8	59.4	59.6	85.4	81.9	84.2	38
4.6	4.8	4.8	20.1	20.8	21.0	3.6	3.8	3.8	13.9	14.7	14.7	22.7	21.9	22.7	39
27.3	27.7	27.8	106.1	108.5	108.5	19.8	19.8	19.9	87.6	89.3	89.4	86.0	80.4	82.7	40
1.5	1.5	1.5	7.8	8.1	8.0	1.0	1.0	1.0	0.3	6.0	6.1	6.8	6.5	6.6	41
10.8	10.7	10.5	57.6	58.3	59.0	14.1	14.3	14.4	60.7	61.3	62.9	38.8	35.9	38.1	42
34.6	34.1	34.1	208.8	215.3	215.3	42.3	44.5	44.7	166.9	172.3	172.5	164.2	159.5	164.0	43
458.6	450.6	(*)	1,326.6	1,318.5	(*)	579.9	582.0	(*)	1,331.4	1,327.1	(*)	1,049.2	993.4	(*)	44
322.9	318.5	(*)	934.6	932.4	(*)	482.9	483.1	(*)	1,026.7	1,022.0	(*)	763.2	723.4	(*)	45
288.3	284.4	(*)	725.8	717.5	(*)	440.6	438.6	(*)	859.9	849.8	(*)	598.9	561.0	(*)	46
266.4	262.4	(*)	634.6	626.3	(*)	420.7	417.9	(*)	768.7	757.0	(*)	526.6	491.9	(*)	47
2.8	2.7	2.7	15.5	15.2	15.2	2.5	2.6	2.6	15.4	15.3	15.6	20.7	19.7	20.3	48
13.4	13.3	13.1	73.6	75.6	76.4	15.6	16.0	16.1	70.4	71.9	72.8	55.3	54.4	58.1	49
3.6	3.5	3.6	16.1	16.9	16.8	2.5	2.5	2.5	15.1	15.2	15.1	19.5	19.2	19.0	50
13.9	14.2	13.7	53.0	55.2	56.1	14.4	14.7	14.7	45.5	44.2	45.4	46.7	45.1	46.7	51
4.0	3.8	3.8	26.0	20.2	20.0	4.9	4.9	4.9	18.5	19.1	19.4	28.5	28.2	28.8	52
17.8	17.9	17.8	72.3	71.8	72.3	17.0	17.8	17.7	74.2	76.0	75.4	50.4	48.7	50.0	53
97.4	97.8	97.8	368.2	368.8	368.9	82.9	83.2	83.0	261.6	265.4	266.4	324.4	328.3	331.0	54
3.3	3.4	3.4	12.2	12.0	12.0	2.5	2.9	2.9	10.3	10.8	10.8	9.4	9.5	9.8	55
25.4	25.6	25.8	62.4	61.8	61.6	17.6	18.1	18.1	36.8	37.0	37.6	33.1	34.2	34.5	56
19.4	19.3	19.4	62.4	63.0	63.2	14.5	14.1	14.3	44.2	45.8	45.9	41.7	41.5	42.3	57
10.0	9.7	9.7	40.2	39.7	39.7	13.8	13.7	13.8	42.5	42.6	44.0	60.2	60.2	61.2	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
1 NORTH DAKOTA	210.8	215.4	216.8	2.5	2.6	2.6	16.4	16.3	16.1	16.6	15.9	16.4
2 Fargo-Moorhead	54.5	55.3	56.9	.1	.1	.1	3.7	3.8	3.8	5.0	5.0	5.2
3 OHIO	4,043.4	4,097.4	4,081.3	27.7	28.8	28.7	155.2	153.7	150.8	1,257.9	1,301.1	1,262.4
4 Akron	246.3	243.9	248.0	.2	.2	.2	7.7	7.7	7.5	82.3	81.7	82.2
5 Canton	146.7	150.3	149.1	.6	.6	.6	5.2	5.7	5.5	54.4	56.2	55.2
6 Cincinnati	537.4	546.5	541.0	.4	.4	.4	22.6	22.6	21.8	153.1	157.9	152.2
7 Cleveland	854.7	862.8	854.8	1.5	1.5	1.4	30.7	29.9	29.4	253.8	261.9	248.0
8 Columbus	451.5	451.7	456.3	.7	.7	.7	17.6	16.9	16.8	93.1	94.3	93.5
9 Dayton	321.5	324.9	326.2	.4	.3	.3	11.0	10.9	10.8	98.7	102.6	102.7
10 Toledo	277.7	279.2	281.1	.6	.6	.6	11.6	10.4	10.3	82.4	87.4	85.5
11 Youngstown-Warren	202.2	203.2	203.3	.4	.3	.3	6.4	6.2	6.0	86.1	86.0	80.4
12 OKLAHOMA	897.3	915.7	920.2	39.9	41.1	41.6	43.8	42.9	42.3	151.2	154.4	156.1
13 Oklahoma City	312.7	320.1	320.9	8.5	9.4	9.5	16.7	17.1	16.7	38.3	39.0	39.7
14 Tulsa	225.4	230.0	231.1	13.9	14.4	14.4	12.8	12.8	12.7	56.8	51.4	51.5
15 OREGON	855.7	889.7	891.7	1.6	1.6	1.6	38.2	39.6	38.9	193.3	204.7	202.2
16 Eugene-Springfield	85.6	88.6	89.6	(1)	(1)	(1)	3.8	4.3	4.1	18.9	20.5	19.9
17 Jackson County	-	-	-	-	-	-	-	-	-	7.1	7.6	7.5
18 Portland	444.3	459.4	461.4	(1)	(1)	(1)	18.8	20.6	20.0	91.7	90.5	95.2
19 Salem	72.8	78.3	75.6	(1)	(1)	(1)	3.6	3.6	3.5	14.9	18.8	16.3
20 PENNSYLVANIA	4,464.2	4,431.2	4,430.5	47.9	48.7	48.1	205.7	194.2	193.1	1,335.3	1,341.4	1,326.6
21 Allentown-Bethlehem-Easton	252.0	251.6	252.1	1.0	1.1	1.1	11.6	10.0	9.7	107.7	107.2	107.2
22 Altoona	48.9	49.7	49.4	(1)	(1)	(1)	2.2	2.3	2.3	12.9	13.0	12.7
23 Delaware Valley ¹⁴	1,514.5	1,498.0	1,500.7	1.0	1.0	1.0	61.3	56.2	55.6	386.0	391.9	389.7
24 Erie	109.7	107.2	107.7	(1)	(1)	(1)	3.5	3.1	3.1	43.4	42.6	42.5
25 Harrisburg	202.5	202.7	202.0	(1)	(1)	(1)	10.3	9.7	9.6	38.3	39.5	39.3
26 Johnstown	86.2	85.0	85.9	8.5	8.7	8.8	2.4	2.4	2.4	23.1	21.0	21.2
27 Lancaster	132.3	134.0	134.9	(1)	(1)	(1)	6.8	7.0	6.9	52.7	54.3	54.4
28 Northeast Pennsylvania	224.0	226.9	226.8	1.2	1.1	1.1	12.4	12.8	12.9	73.0	71.0	70.2
29 Philadelphia SMSA	1,794.7	1,781.0	1,781.1	1.1	1.1	1.1	73.7	69.3	68.6	450.7	454.6	453.0
30 Philadelphia City ¹⁵	821.7	813.9	807.4	-	-	-	22.8	20.5	20.2	166.4	166.5	165.2
31 Pittsburgh	879.8	872.8	869.6	10.8	11.3	11.0	41.0	39.0	39.8	245.4	248.1	242.6
32 Reading	129.0	130.8	131.7	(1)	(1)	(1)	5.1	5.1	4.9	48.8	51.0	51.3
33 Scranton ¹⁶	82.1	81.8	81.8	(1)	(1)	(1)	2.7	2.5	2.4	27.4	27.3	27.1
34 Wilkes-Barre-Hazleton ¹⁷	121.4	120.9	121.3	1.0	1.0	1.0	8.7	9.3	9.5	41.3	39.7	39.2
35 Williamsport	43.6	44.2	44.4	(1)	(1)	(1)	1.5	1.6	1.5	17.7	18.4	18.1
36 York	133.7	134.9	135.6	(1)	(1)	(1)	6.2	6.1	6.2	57.8	56.3	58.8
37 RHODE ISLAND	346.1	352.3	355.6	(1)	(1)	(1)	10.7	11.8	11.7	111.7	117.2	119.3
38 Providence-Warwick-Pawtucket	358.0	365.5	368.4	(1)	(1)	(1)	10.9	12.0	11.8	124.7	131.9	133.6
39 SOUTH CAROLINA ¹	1,003.7	1,023.0	1,025.4	1.9	1.8	1.8	61.6	60.2	59.8	350.9	367.3	367.6
40 Charleston-North Charleston ²	116.3	121.1	121.7	(1)	(1)	(1)	9.2	10.2	10.3	14.9	17.1	17.0
41 Columbia ³	145.4	146.7	148.0	(1)	(1)	(1)	7.9	7.7	7.7	21.7	22.3	22.2
42 Greenville-Spartanburg ⁴	225.6	230.1	230.3	(1)	(1)	(1)	15.0	14.7	14.5	94.9	99.7	99.7
43 SOUTH DAKOTA	210.8	215.0	215.8	2.6	2.5	2.5	9.6	9.4	9.6	20.5	21.2	21.7
44 Rapid City	24.2	25.4	25.6	(2)	(2)	(2)	1.9	2.0	2.0	2.3	2.3	2.3
45 Sioux Falls	44.5	45.5	45.3	(2)	(2)	(2)	2.6	2.7	2.8	6.5	6.9	7.0
46 TENNESSEE	1,525.1	1,526.0	1,526.7	9.2	9.2	9.1	73.2	65.0	64.3	464.6	476.5	469.3
47 Chattanooga	151.9	156.1	154.5	.8	.8	.8	5.5	5.6	5.4	53.8	55.0	54.1
48 Knoxville	173.7	177.6	176.9	1.7	1.6	1.6	10.0	9.9	9.9	47.2	49.4	47.9
49 Memphis	319.9	320.5	322.4	.2	.2	.2	14.1	12.7	13.0	56.4	58.0	57.8
50 Nashville-Davidson	294.4	302.5	301.4	(1)	(1)	(1)	16.3	15.6	15.7	71.2	77.6	75.4
51 TEXAS	4,455.4	4,550.7	4,568.5	129.8	136.7	137.3	278.8	286.7	284.8	808.8	830.5	833.0
52 Amarillo	62.5	65.1	65.1	(1)	(1)	(1)	3.5	4.5	4.4	7.8	9.1	9.0
53 Austin	169.3	174.3	175.0	(1)	(1)	(1)	11.6	11.5	11.4	14.7	16.8	16.8
54 Beaumont-Port Arthur-Orange	128.2	135.4	135.5	(1)	(1)	(1)	8.8	13.6	13.7	41.6	40.8	40.7
55 Corpus Christi	98.2	99.5	99.6	3.6	3.6	3.6	7.9	7.8	7.7	11.4	11.8	11.7
56 Dallas-Fort Worth	1,089.1	1,100.5	1,101.5	12.4	12.5	12.4	47.2	45.6	45.6	239.9	248.6	249.1
57 El Paso	130.8	130.5	130.0	(1)	(1)	(1)	6.4	5.8	5.7	30.4	28.2	28.0
58 Galveston-Texas City	61.4	62.7	63.3	(1)	(1)	(1)	3.4	2.1	2.2	12.4	12.1	12.0
59 Houston	1,007.3	1,035.7	1,041.5	44.0	45.2	45.2	93.3	95.8	95.4	174.6	176.4	176.3
60 Lubbock	72.2	73.9	74.3	(1)	(1)	(1)	3.9	3.2	3.3	10.3	12.3	12.4
61 San Antonio	312.7	320.2	319.8	1.6	1.6	1.6	18.5	19.0	18.5	37.1	40.6	40.6
62 Waco	56.2	57.8	57.7	(1)	(1)	(1)	3.3	3.4	3.3	12.5	13.2	13.2
63 Wichita Falls	44.0	44.7	45.0	2.2	2.2	2.2	1.8	2.0	2.0	6.9	7.2	7.3

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)

State and area	Total			Mining			Contract construction			Manufacturing		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
1 UTAH	449.1	479.1	478.1	12.7	14.6	14.5	26.4	31.1	30.4	68.5	72.3	72.0
2 Salt Lake City—Ogden	323.0	343.3	340.0	6.1	6.6	6.5	17.0	21.4	21.1	46.6	50.1	49.6
3 VERMONT	163.2	166.5	166.6	.7	.7	.7	7.6	8.4	8.2	39.5	40.8	40.7
4 Burlington ¹⁸	42.7	43.6	44.3	—	—	—	—	—	—	9.3	9.8	9.9
5 Springfield ¹⁸	12.7	12.1	12.0	—	—	—	—	—	—	5.7	5.1	5.1
6 VIRGINIA	1,774.0	1,803.2	1,804.2	20.6	20.6	20.4	105.6	106.8	105.9	373.8	381.8	381.1
7 Bristol	23.2	24.0	24.2	(1)	(1)	(1)	.9	1.0	1.0	8.1	8.3	8.4
8 Lynchburg	58.6	60.6	61.0	(1)	(1)	(1)	3.0	3.3	3.2	24.8	25.8	26.0
9 Newport News—Hampton	127.4	132.2	131.2	(1)	(1)	(1)	6.4	6.2	6.1	30.9	31.9	32.0
10 Norfolk—Virginia Beach—Portsmouth	242.6	245.7	246.5	(1)	(1)	(1)	15.7	15.1	14.8	25.2	25.5	25.5
11 Northern Virginia ¹⁹	340.6	349.4	349.1	.3	.4	.3	21.5	23.9	23.6	11.0	11.5	11.5
12 Richmond	271.6	275.2	275.3	.4	.4	.3	15.7	14.4	14.5	49.9	50.9	50.9
13 Roanoke	94.7	95.0	94.7	.2	.2	.2	6.0	5.7	5.6	21.0	21.2	21.1
14 WASHINGTON	1,224.2	1,255.5	1,257.7	2.0	2.0	2.0	57.8	59.0	59.0	246.0	250.3	250.3
15 Seattle—Everett	571.2	584.9	589.1	(1)	(1)	(1)	25.0	26.5	27.2	120.8	119.1	119.2
16 Spokane	104.1	107.4	108.2	(1)	(1)	(1)	5.6	5.9	6.0	13.3	14.8	14.9
17 Tacoma	117.0	122.8	120.6	(1)	(1)	(1)	5.2	6.1	6.0	20.7	19.3	19.1
18 WEST VIRGINIA	565.8	574.3	575.2	62.8	64.0	63.9	27.0	28.8	28.8	120.4	121.6	123.1
19 Charleston	101.0	101.2	102.2	6.0	6.1	6.1	6.2	5.6	5.9	18.3	19.3	19.5
20 Huntington—Ashland	93.0	94.9	95.0	.7	.7	.7	4.4	4.2	4.2	27.2	28.8	28.5
21 Parkersburg—Marietta	49.5	50.3	50.0	.4	.4	.4	2.6	2.5	2.5	15.5	15.7	15.9
22 Wheeling	61.7	60.8	61.6	6.8	7.0	7.0	2.0	2.0	2.0	13.9	13.0	13.7
23 WISCONSIN	1,702.9	1,738.3	1,733.2	2.7	2.7	2.6	63.1	62.3	62.2	505.4	525.2	513.7
24 Appleton—Oshkosh	108.9	109.9	109.8	(1)	(1)	(1)	4.8	5.0	4.8	41.6	42.1	41.4
25 Green Bay	67.7	69.9	70.1	(1)	(1)	(1)	3.1	3.4	3.6	19.8	20.7	20.3
26 Kenosha	43.7	41.6	41.9	(1)	(1)	(1)	1.1	.8	.8	19.7	18.1	18.1
27 La Crosse	35.1	36.7	36.7	(1)	(1)	(1)	1.2	1.2	1.2	8.4	9.0	8.8
28 Madison	142.5	144.4	145.8	(1)	(1)	(1)	6.7	5.8	5.8	15.7	16.8	16.5
29 Milwaukee	598.9	601.6	601.6	(1)	(1)	(1)	19.2	19.2	19.1	195.8	199.1	197.8
30 Racine	62.3	63.5	63.2	(1)	(1)	(1)	1.7	1.6	1.7	26.8	26.9	26.8
31 WYOMING	151.1	165.7	164.3	18.1	21.6	21.6	16.1	16.5	16.1	8.9	8.5	9.1
32 Casper	25.4	28.4	27.9	4.6	5.2	4.9	1.9	2.2	2.0	1.5	1.6	1.6
33 Cheyenne	24.0	24.4	24.4	(1)	(1)	(1)	1.9	1.8	1.8	1.7	1.8	1.8

¹ Combined with services.

² Combined with construction.

³ Federal employment in the Maryland and Virginia sectors of the Washington SMSA is no longer included in data for the District of Columbia.

⁴ Based on 1972 Standard Industrial Classification.

⁵ Revised to 1976 benchmark; not strictly comparable with previously published data.

⁶ Revised to 1975 benchmark; not strictly comparable with previously published data.

⁷ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁸ Data do not include federal employment in the Maryland sector of the Washington, D.C. Standard Metropolitan Statistical Area.

⁹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

¹⁰ Subarea of New York—Northeastern New Jersey.

¹¹ Subarea of Rochester Standard Metropolitan Statistical Area.

¹² Area included in New York and Nassau—Suffolk combined SMSA's.

¹³ Subarea of New York Standard Metropolitan Statistical Area.

¹⁴ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹⁶ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁷ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁸ Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.

¹⁹ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p=preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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			
UCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	UCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	
27.0	28.8	28.7	106.4	115.2	114.3	20.1	21.7	21.0	77.0	84.2	82.5	110.3	111.2	114.0	1
22.2	22.9	22.7	80.3	85.2	83.9	17.3	17.2	17.1	51.5	56.8	54.9	82.0	83.2	84.3	2
8.1	7.8	7.7	34.4	35.3	35.2	0.6	0.8	0.7	35.2	36.1	36.0	31.3	30.7	31.5	3
2.0	2.0	2.0	9.2	9.6	9.6	-	-	-	9.0	9.3	9.5	-	-	-	4
.8	.7	.7	2.0	2.0	1.9	-	-	-	2.0	2.0	2.0	-	-	-	5
102.2	103.7	101.8	364.6	368.3	370.2	86.7	88.5	88.5	295.7	304.3	303.5	424.8	429.2	432.0	6
.9	1.0	.9	4.9	4.9	5.0	1.1	1.2	1.2	3.2	3.3	3.3	4.1	4.3	4.4	7
2.5	2.6	2.6	9.7	10.0	10.0	2.7	2.8	2.8	8.2	8.1	8.2	7.7	8.0	8.2	8
4.3	4.2	4.1	23.3	23.9	24.0	4.1	4.0	4.1	22.2	25.2	23.9	36.2	36.8	37.0	9
16.6	16.4	16.5	57.7	59.6	60.1	12.4	12.6	12.5	41.5	42.5	42.0	73.5	74.0	75.1	10
24.6	25.4	24.8	79.6	82.3	82.0	21.7	22.7	22.8	75.4	77.4	77.0	106.5	105.8	106.5	11
16.9	17.2	16.8	61.7	63.2	63.3	22.4	22.6	22.6	45.1	46.9	46.7	59.5	59.0	60.2	12
10.1	10.0	10.0	21.7	21.7	21.8	5.5	5.6	5.6	16.7	16.8	16.6	13.3	13.8	13.8	13
11.1	15.0	14.2	288.1	299.0	297.7	66.8	68.8	68.7	222.4	234.9	231.7	270.0	266.5	274.1	14
39.2	42.3	41.4	136.7	143.3	143.8	39.9	41.6	41.7	105.7	109.8	110.4	103.9	102.3	105.4	15
7.3	7.5	7.4	28.5	29.4	29.3	0.3	0.4	0.3	23.6	24.7	24.6	19.5	18.7	19.7	16
5.5	6.0	5.8	27.6	30.9	29.9	5.6	5.8	5.7	23.3	26.6	24.9	28.9	28.1	29.2	17
39.1	39.0	38.5	109.6	109.2	109.7	18.1	18.7	18.7	80.0	83.2	83.3	108.1	110.0	109.4	18
8.9	8.7	8.7	22.6	22.6	22.6	4.2	4.2	4.2	16.2	16.6	16.7	18.6	18.1	18.4	19
9.4	9.2	9.2	18.9	19.0	19.1	3.4	3.3	3.3	12.7	13.4	13.3	16.4	16.4	16.8	20
2.3	2.2	2.2	10.9	11.1	11.1	1.6	1.6	1.6	7.6	7.6	7.7	8.6	9.2	9.2	21
3.7	3.5	3.5	13.5	13.4	13.5	2.4	2.4	2.4	11.6	11.9	12.0	7.8	7.4	7.6	22
83.3	83.5	84.7	383.3	391.0	393.2	73.8	76.2	76.7	298.5	310.0	309.7	292.7	287.5	290.5	23
4.1	3.9	4.1	22.9	22.0	23.2	4.1	4.2	4.3	16.5	17.1	17.1	15.0	15.1	14.9	24
4.6	4.6	4.6	16.4	17.0	17.0	2.0	2.2	2.2	12.2	12.8	12.8	5.5	9.3	9.6	25
1.4	1.4	1.5	7.7	7.6	7.9	.6	.9	.9	7.0	6.9	6.9	6.0	5.8	5.8	26
1.9	2.1	2.1	5.4	10.0	10.0	.9	.9	1.0	7.3	7.5	7.6	6.0	5.9	6.0	27
5.3	5.2	5.2	30.2	30.7	31.5	9.2	9.6	9.7	24.0	25.4	25.5	51.4	50.9	51.6	28
29.7	29.7	29.5	130.2	130.1	130.7	32.4	33.2	33.4	114.7	116.1	116.6	76.8	74.2	74.0	29
2.4	2.3	2.4	11.7	12.3	12.2	1.6	1.6	1.6	9.6	10.2	10.0	8.5	8.5	8.5	30
12.6	13.4	13.2	31.9	34.9	34.3	4.8	5.4	5.4	21.3	26.4	24.6	37.4	39.3	39.9	31
1.8	2.0	2.0	6.6	7.8	7.7	1.0	1.1	1.2	4.0	4.4	4.2	4.0	4.1	4.3	32
3.3	3.2	3.2	4.9	5.2	5.1	1.3	1.4	1.4	4.0	4.3	4.3	6.9	6.7	6.6	33

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
-	TOTAL PRIVATE	\$168.69	\$169.42	\$179.55	\$179.91	\$181.00	\$4.66	\$4.68	\$4.96	\$4.97	\$5.00
-	MINING	259.46	262.73	289.08	289.08	290.40	6.02	6.11	6.60	6.57	6.60
10	METAL MINING	261.81	262.63	293.16	288.70	-	6.37	6.39	6.98	6.94	-
101	Iron ores	279.47	279.39	323.54	312.91	-	6.67	6.70	7.32	7.21	-
102	Copper ores	264.14	262.42	291.45	285.44	-	6.62	6.61	7.25	7.19	-
11,12	COAL MINING	294.44	303.28	337.33	330.40	-	7.27	7.47	8.07	8.00	-
12	Bituminous coal and lignite mining	295.65	304.50	338.58	331.64	-	7.30	7.50	8.10	8.03	-
13	OIL AND GAS EXTRACTION	243.81	246.70	266.50	271.07	-	5.43	5.47	5.87	5.88	-
131,2	Crude petroleum and natural gas fields	250.26	256.88	282.32	280.14	-	6.21	6.25	6.69	6.67	-
138	Oil and gas field services	240.32	241.23	259.44	266.88	-	5.07	5.10	5.52	5.56	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	228.03	222.94	246.53	252.22	-	5.09	5.09	5.54	5.58	-
142	Crushed and broken stone	225.79	214.46	242.19	248.02	-	5.04	4.93	5.37	5.38	-
-	CONTRACT CONSTRUCTION	278.25	270.44	287.41	300.25	286.58	7.42	7.45	7.81	7.86	7.83
15	GENERAL BUILDING CONTRACTORS	267.55	262.06	275.08	284.56	-	7.31	7.32	7.62	7.67	-
16	HEAVY CONSTRUCTION CONTRACTORS	281.39	262.48	291.73	307.65	-	6.88	6.80	7.33	7.36	-
161	Highway and street construction	276.39	247.27	289.98	309.03	-	6.66	6.49	7.09	7.17	-
162	Heavy construction, nec	284.92	274.56	292.55	306.82	-	7.07	7.04	7.54	7.52	-
17	SPECIAL TRADE CONTRACTORS	284.75	279.53	293.30	306.16	-	7.78	7.83	8.17	8.23	-
171	Plumbing, heating, air conditioning	296.29	295.83	308.10	317.44	-	7.88	7.91	8.26	8.31	-
172	Painting, paper hanging, decorating	254.17	249.15	271.46	277.75	-	7.18	7.18	7.69	7.78	-
173	Electrical work	321.77	319.50	331.52	346.23	-	8.49	8.52	8.96	9.04	-
174	Masonry, stonework, and plastering	262.23	254.65	264.06	277.02	-	7.69	7.74	8.10	8.10	-
176	Roofing and sheetmetal work	242.86	223.92	249.66	263.72	-	7.06	7.20	7.52	7.60	-
-	MANUFACTURING	195.51	197.69	212.93	211.20	215.61	4.90	4.93	5.31	5.28	5.35
19,24,25, 32-39	DURABLE GOODS	211.45	213.72	229.80	228.17	234.11	5.26	5.29	5.66	5.62	5.71
20,23,26-31	NONDURABLE GOODS	175.03	176.67	189.12	188.16	189.82	4.42	4.45	4.80	4.80	4.83
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	224.52	226.85	235.17	238.32	239.19	5.41	5.44	5.85	5.87	5.95
192	Ammunition, except for small arms	226.29	229.75	236.41	237.61	(*)	5.56	5.59	5.97	5.97	(*)
1925	Complete guided missiles	251.53	258.13	262.00	262.00	-	6.18	6.25	6.55	6.55	-
1929	Ammunition, exc. for small arms, nec	184.82	187.32	190.51	194.74	-	4.53	4.58	4.91	4.93	-
24	LUMBER AND WOOD PRODUCTS	176.80	172.87	195.77	198.62	196.40	4.42	4.41	4.87	4.88	4.91
242	Sawmills and planing mills	171.63	168.95	194.21	197.06	194.95	4.28	4.31	4.76	4.76	4.79
2421	Sawmills and planing mills, general	178.89	175.56	202.78	206.07	-	4.45	4.49	4.97	4.98	-
243	Millwork, plywood and related products	179.84	181.03	200.00	201.50	198.50	4.53	4.56	5.00	5.00	5.00
2431	Millwork	174.94	176.51	186.42	188.25	-	4.44	4.48	4.78	4.79	-
2432	Veneer and plywood	183.54	186.93	219.89	218.24	-	4.60	4.65	5.35	5.31	-
244	Wooden containers	131.67	130.99	139.50	142.03	(*)	3.42	3.42	3.71	3.67	(*)
2441,2	Wooden boxes, shooks, and crates	128.64	126.06	139.01	139.91	-	3.35	3.30	3.62	3.56	-
249	Miscellaneous wood products	152.15	154.16	159.60	159.20	(*)	3.72	3.76	4.01	4.00	(*)
25	FURNITURE AND FIXTURES	149.73	150.13	156.33	157.55	157.49	3.81	3.82	4.05	4.05	4.08
251	Household furniture	142.27	142.66	147.07	147.07	(*)	3.62	3.63	3.83	3.82	(*)
2511	Wood household furniture	134.98	134.24	140.01	141.45	-	3.40	3.39	3.59	3.59	-
2512	Upholstered household furniture	150.54	153.27	152.11	152.18	-	3.86	3.89	4.10	4.08	-
2515	Mattresses and bedsprings	159.42	158.04	168.28	165.38	-	4.13	4.17	4.44	4.41	-
252	Office furniture	169.46	170.80	187.11	196.41	-	4.29	4.27	4.62	4.71	-
254	Partitions and fixtures	181.63	180.78	194.34	196.80	-	4.61	4.60	4.92	4.92	-
253,9	Other furniture and fixtures	163.70	164.82	168.78	170.05	(*)	4.23	4.27	4.43	4.44	(*)
32	STONE, CLAY, AND GLASS PRODUCTS	206.82	207.46	224.80	227.39	228.52	5.02	5.06	5.43	5.44	5.48
321	Flat glass	249.60	264.50	311.90	273.08	-	6.24	6.42	7.22	6.81	-
322	Glass and glassware, pressed or blown	205.74	208.68	221.90	223.56	(*)	5.08	5.14	5.52	5.52	(*)
3221	Glass containers	214.49	216.19	229.65	233.21	-	5.27	5.26	5.77	5.73	-
3229	Pressed and blown glass, nec	192.96	197.90	209.71	209.56	-	4.80	4.96	5.14	5.20	-
324	Cement, hydraulic	270.60	283.03	317.94	311.08	(*)	6.60	6.82	7.57	7.46	(*)
326	Structural clay products	165.23	166.86	177.10	179.30	(*)	4.03	4.05	4.33	4.31	(*)
3261	Brick and structural clay tile	151.98	152.31	163.86	166.66	-	3.68	3.67	3.92	3.94	-
326	Pottery and related products	169.69	171.78	178.75	182.75	-	4.34	4.36	4.56	4.65	-
327	Concrete, gypsum, and plaster products	217.42	212.94	235.55	241.12	232.05	5.08	5.07	5.44	5.48	5.46
328,9	Other stone and nonmetallic mineral products	198.05	199.98	214.52	218.65	(*)	4.89	4.95	5.31	5.32	(*)
3291	Abrasive products	187.98	192.66	206.98	210.54	-	4.87	4.94	5.28	5.29	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p
—	TOTAL PRIVATE	36.2	36.2	36.2	36.2	36.2	—	—	—	—	—
—	MINING	43.1	43.0	43.8	44.0	44.0	—	—	—	—	—
10	METAL MINING	41.1	41.1	42.0	41.6	—	—	—	—	—	—
101	Iron ores	41.9	41.7	44.2	43.4	—	—	—	—	—	—
102	Copper ores	39.9	39.7	40.2	39.7	—	—	—	—	—	—
11,12	COAL MINING	40.5	40.6	41.8	41.3	—	—	—	—	—	—
12	Bituminous coal and lignite mining	40.5	40.6	41.8	41.3	—	—	—	—	—	—
13	OIL AND GAS EXTRACTION	44.9	45.1	45.4	46.1	—	—	—	—	—	—
131.2	Crude petroleum and natural gas fields	40.3	41.1	42.2	42.0	—	—	—	—	—	—
138	Oil and gas field services	47.4	47.3	47.0	48.0	—	—	—	—	—	—
14	NONMETALLIC MINERALS, EXCEPT FUELS	44.8	43.8	44.5	45.2	—	—	—	—	—	—
142	Crushed and broken stone	44.8	43.5	45.1	46.1	—	—	—	—	—	—
—	CONTRACT CONSTRUCTION	37.5	36.3	36.8	38.2	36.6	—	—	—	—	—
15	GENERAL BUILDING CONTRACTORS	36.6	35.8	36.1	37.1	—	—	—	—	—	—
16	HEAVY CONSTRUCTION CONTRACTORS	40.9	38.6	39.8	41.8	—	—	—	—	—	—
161	Highway and street construction	41.5	38.1	40.9	43.1	—	—	—	—	—	—
162	Heavy construction, nec	40.3	39.0	38.8	40.8	—	—	—	—	—	—
17	SPECIAL TRADE CONTRACTORS	36.6	35.7	35.9	37.2	—	—	—	—	—	—
171	Plumbing, heating, air conditioning	37.6	37.4	37.3	38.2	—	—	—	—	—	—
172	Painting, paper hanging, decorating	35.4	34.7	35.3	35.7	—	—	—	—	—	—
173	Electrical work	37.9	37.5	37.0	38.3	—	—	—	—	—	—
174	Masonry, stonework, and plastering	34.1	32.9	32.6	34.2	—	—	—	—	—	—
176	Roofing and sheet metal work	34.4	31.1	33.2	34.7	—	—	—	—	—	—
—	MANUFACTURING	39.9	40.1	40.1	40.0	40.3	3.0	2.9	3.4	3.1	3.2
19,24,25,32-39	DURABLE GOODS	40.2	40.4	40.6	40.6	41.0	2.8	2.8	3.4	3.2	3.4
20-23,26-31	NONDURABLE GOODS	39.6	39.7	39.4	39.2	39.3	3.2	3.1	3.3	3.0	2.9
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	41.5	41.7	40.2	40.6	40.2	2.7	2.8	2.3	2.5	—
192	Ammunition, except for small arms	40.7	41.1	39.6	39.8	(*)	2.3	2.2	1.9	2.3	—
1925	Complete guided missiles	40.7	41.3	40.0	40.0	—	—	—	—	—	—
1929	Ammunition, exc. for small arms, nec.	40.8	40.9	38.8	39.5	—	—	—	—	—	—
24	LUMBER AND WOOD PRODUCTS	40.0	39.2	40.2	40.7	40.0	3.4	3.2	3.6	3.7	—
242	Sawmills and planing mills	40.1	39.2	40.8	41.4	40.7	3.8	3.6	4.2	4.3	—
2421	Sawmills and planing mills, general	40.2	39.1	40.8	41.5	—	—	—	—	—	—
243	Millwork, plywood and related products	39.7	39.7	40.0	40.3	39.7	3.0	2.9	3.3	3.5	—
2431	Millwork	39.4	39.4	39.0	39.3	—	—	—	—	—	—
2432	Veneer and plywood	39.9	40.2	41.1	41.1	—	—	—	—	—	—
244	Wooden containers	38.5	38.3	37.6	38.7	(*)	2.5	2.2	2.2	2.0	—
2441,2	Wooden boxes, shooks, and crates	38.4	38.2	38.4	39.3	—	—	—	—	—	—
249	Miscellaneous wood products	40.9	41.0	39.8	39.8	(*)	3.7	3.6	2.8	2.8	—
25	FURNITURE AND FIXTURES	39.3	39.3	38.6	38.9	38.6	2.4	2.3	2.1	2.2	—
251	Household furniture	39.3	39.3	38.4	38.5	(*)	2.5	2.4	2.0	2.1	—
2511	Wood household furniture	39.7	39.6	39.0	39.4	—	2.8	2.6	2.4	2.4	—
2512	Upholstered household furniture	39.0	39.4	37.1	37.3	—	—	—	—	—	—
2515	Mattresses and bedspings	38.6	37.9	37.9	37.5	—	—	—	—	—	—
252	Office furniture	39.5	40.0	40.5	41.7	—	2.2	2.3	2.4	3.3	—
254	Partitions and fixtures	39.4	39.3	39.5	40.0	—	2.3	1.8	3.2	2.8	—
253.9	Other furniture and fixtures	38.7	38.6	38.1	38.3	(*)	1.7	1.8	1.4	1.7	—
32	STONE, CLAY, AND GLASS PRODUCTS	41.2	41.0	41.4	41.8	41.7	4.2	3.9	4.5	4.4	—
321	Flat glass	40.0	41.2	43.2	40.1	—	3.8	4.0	5.7	4.2	—
322	Glass and glassware, pressed or blown	40.5	40.6	40.2	40.5	(*)	4.3	4.2	4.5	4.1	—
3221	Glass containers	40.7	41.1	39.8	40.7	—	—	—	—	—	—
3229	Pressed and blown glass, nec	40.2	39.9	40.8	40.3	—	2.9	3.1	3.5	2.7	—
324	Cement, hydraulic	41.0	41.5	42.0	41.7	(*)	2.8	2.6	3.1	3.0	—
325	Structural clay products	41.0	41.2	40.9	41.6	(*)	3.7	3.6	4.0	4.1	—
3251	Brick and structural clay tile	41.3	41.5	41.8	42.3	—	—	—	—	—	—
326	Pottery and related products	39.1	39.4	39.2	39.3	—	2.4	2.4	2.6	2.4	—
327	Concrete, gypsum and plaster products	42.8	42.0	43.3	44.0	42.5	5.6	4.8	6.0	6.3	—
328.9	Other stone and nonmetallic mineral products	40.5	40.4	40.4	41.1	(*)	3.1	3.1	3.4	3.2	—
3291	Abrasive products	38.6	39.0	39.2	39.8	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	
	DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	\$252.10	\$257.20	\$283.56	\$274.91	\$281.59	\$6.35	\$6.43	\$6.95	\$6.89	\$6.97	
331	Blast furnace and basic steel products	276.05	283.97	315.17	301.09	(*)	7.17	7.30	7.84	7.78	(*)	
3312	Blast furnaces and steel mills	281.51	289.86	321.60	306.05	—	7.35	7.49	8.04	7.97	—	
332	Iron and steel foundries	231.26	233.04	260.60	253.15	(*)	5.71	5.74	6.31	6.22	(*)	
3321	Gray iron foundries	238.91	239.13	273.42	261.12	—	5.87	5.89	6.51	6.40	—	
3322	Malleable iron foundries	235.52	236.01	273.50	260.17	—	6.07	6.13	6.72	6.57	—	
3323	Steel foundries	214.08	219.01	224.24	231.49	—	5.26	5.29	5.62	5.66	—	
333,4	Nonferrous metals	254.61	256.06	286.28	281.40	(*)	6.21	6.20	6.80	6.83	(*)	
3334	Primary aluminum	286.62	284.69	312.50	319.45	—	6.94	6.91	7.53	7.57	—	
335	Nonferrous rolling and drawing	234.84	237.64	260.18	256.46	(*)	5.70	5.74	6.18	6.15	(*)	
3351	Copper rolling and drawing	230.72	236.39	258.69	256.70	—	5.60	5.71	6.03	6.04	—	
3352	Aluminum rolling and drawing	244.26	249.60	275.57	269.84	—	5.90	6.00	6.53	6.44	—	
3357	Nonferrous wire drawing and insulating	235.25	234.58	259.11	251.73	—	5.71	5.68	6.14	6.11	—	
336	Nonferrous foundries	196.52	200.80	212.13	209.48	(*)	4.95	5.02	5.29	5.25	(*)	
3361	Aluminum castings	202.75	206.80	220.18	214.13	—	5.12	5.17	5.45	5.34	—	
3362,9	Other nonferrous castings	189.92	193.12	201.28	203.66	—	4.76	4.84	5.07	5.13	—	
339	Miscellaneous primary metal products	249.07	248.67	262.66	260.96	(*)	6.06	6.14	6.55	6.59	(*)	
3391	Iron and steel forgings	261.99	259.85	280.30	278.30	—	6.39	6.48	6.99	7.01	—	
34	FABRICATED METAL PRODUCTS	210.20	212.45	226.59	222.89	230.45	5.19	5.22	5.54	5.49	5.58	
341	Metal cans	283.34	282.48	307.30	295.53	(*)	6.62	6.60	7.13	7.07	(*)	
342	Cutlery, hand tools, and hardware	198.80	200.50	215.06	217.18	(*)	4.97	5.00	5.31	5.31	(*)	
3421,3,5	Cutlery and hand tools, incl. saws	186.13	186.33	197.38	201.14	—	4.63	4.67	4.91	4.93	—	
3429	Hardware, nec	208.28	210.65	228.07	228.22	—	5.22	5.24	5.59	5.58	—	
343	Plumbing and heating, except electric	189.83	187.73	199.49	200.79	(*)	4.63	4.59	4.95	4.97	(*)	
3431,2	Sanitary ware and plumbers' brass goods	193.05	191.94	200.60	199.90	—	4.72	4.67	4.99	5.01	—	
3433	Heating equipment, except electric	187.01	184.42	199.17	202.46	—	4.55	4.52	4.93	4.95	—	
344	Fabricated structural metal products	208.98	212.68	218.97	220.46	(*)	5.16	5.20	5.42	5.43	(*)	
3441	Fabricated structural steel	220.42	224.22	231.49	235.50	—	5.35	5.39	5.66	5.73	—	
3442	Metal doors, sash, and trim	166.74	166.66	172.82	175.03	—	4.20	4.23	4.42	4.42	—	
3443	Fabricated plate work (boiler shops)	225.91	229.91	241.84	238.68	—	5.51	5.54	5.87	5.85	—	
3444	Sheet metal work	211.72	216.80	218.99	224.37	—	5.36	5.42	5.53	5.54	—	
3446,9	Architectural and misc. metal work	196.58	201.06	210.23	207.87	—	4.83	4.88	5.14	5.12	—	
345	Screw machine products, bolts, etc	196.12	197.51	223.33	225.00	226.31	4.94	4.95	5.33	5.37	5.35	
3451	Screw machine products	188.65	190.07	211.74	211.87	—	4.74	4.74	5.09	5.13	—	
3452	Bolts, nuts, rivets, and washers	204.06	204.46	234.50	238.00	—	5.14	5.15	5.57	5.60	—	
346	Metal stampings	235.65	238.50	268.18	243.39	(*)	5.79	5.86	6.34	6.10	(*)	
347	Metal services, nec	165.53	170.80	178.30	178.80	(*)	4.18	4.27	4.48	4.47	(*)	
348	Miscellaneous fabricated wire products	180.00	185.03	187.46	187.53	188.14	4.50	4.58	4.71	4.70	4.68	
349	Miscellaneous fabricated metal products	204.11	208.17	216.28	219.92	(*)	5.09	5.14	5.38	5.43	(*)	
3494,8	Valves, pipe, and pipe fittings	213.59	218.12	220.00	227.00	—	5.30	5.32	5.50	5.55	—	
35	MACHINERY, EXCEPT ELECTRICAL	223.71	227.69	240.26	239.85	245.27	5.51	5.54	5.86	5.85	5.91	
351	Engines and turbines	247.38	257.70	278.76	275.09	(*)	6.20	6.27	6.90	6.86	(*)	
3511	Steam engines and turbines	238.71	245.44	272.54	274.73	—	5.78	5.83	6.68	6.62	—	
3519	Internal combustion engines, nec	251.13	262.28	281.00	275.32	—	6.39	6.46	6.99	6.97	—	
352	Farm machinery	237.51	237.55	255.64	(*)	—	5.85	5.88	6.22	(*)	—	
353	Construction and related machinery	240.02	242.53	249.48	250.29	255.85	5.84	5.83	6.16	6.18	6.21	
3531,2	Construction and mining machinery	256.77	256.41	264.80	262.28	—	6.34	6.30	6.62	6.64	—	
3533	Oil field machinery	228.20	235.65	241.26	248.11	—	5.21	5.26	5.69	5.77	—	
3535,6	Conveyors, hoists, cranes, monorails	225.22	225.47	228.80	231.95	—	5.44	5.42	5.72	5.77	—	
3537	Industrial trucks and tractors	190.39	197.10	219.20	220.40	—	5.05	5.08	5.48	5.51	—	
354	Metal working machinery	227.21	232.88	251.22	255.55	(*)	5.61	5.68	6.01	6.07	(*)	
3541	Machine tools, metal cutting types	222.15	233.76	255.92	262.46	—	5.54	5.66	6.05	6.19	—	
3544	Special dies, tools, jigs and fixtures	252.24	256.58	271.78	279.06	—	6.02	6.08	6.35	6.43	—	
3545	Machine tool accessories	203.32	206.98	231.13	229.45	—	5.20	5.24	5.61	5.61	—	
3542,8	Miscellaneous metal working machinery	203.57	209.48	223.20	226.80	—	5.18	5.25	5.58	5.60	—	
355	Special industry machinery	202.91	208.59	224.00	226.32	(*)	5.06	5.10	5.45	5.52	(*)	
3551	Food products machinery	210.65	215.42	234.11	235.34	—	5.24	5.28	5.71	5.74	—	
3552	Textile machinery	172.37	176.20	185.64	188.26	—	4.32	4.34	4.55	4.66	—	
3555	Printing trades machinery	202.52	208.28	232.63	233.29	—	5.14	5.22	5.66	5.69	—	
356	General industrial machinery	224.66	228.66	233.92	236.29	(*)	5.52	5.55	5.79	5.82	(*)	
3561	Pumps and compressors	227.14	231.42	237.86	241.84	—	5.46	5.51	5.83	5.87	—	
3562	Ball and roller bearings	240.12	233.13	239.40	245.21	—	5.80	5.70	5.97	6.01	—	
3564	Blowers and fans	209.92	212.59	222.63	217.48	—	5.12	5.16	5.43	5.41	—	
3566	Power transmission equipment	218.25	229.08	237.63	237.39	—	5.47	5.52	5.81	5.79	—	
357	Office and computing machines	209.82	214.95	227.38	229.08	231.23	5.13	5.13	5.35	5.39	5.39	
3573	Electronic computing equipment	221.43	224.39	237.67	237.54	—	5.31	5.33	5.54	5.55	—	
358	Service industry machines	198.00	203.01	215.20	213.73	(*)	5.00	5.05	5.38	5.33	(*)	
3585	Refrigeration machinery	200.30	205.84	216.94	214.80	—	5.02	5.07	5.41	5.33	—	
359	Miscellaneous machinery, except electrical	215.95	219.35	235.15	235.87	(*)	5.28	5.35	5.68	5.67	(*)	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p
	DURABLE GOODS—Continued										
33	PRIMARY METAL INDUSTRIES	39.7	40.0	40.8	39.9	40.4	2.8	2.6	3.6	3.0	—
331	Blast furnace and basic steel products	38.5	38.9	40.2	38.7	(*)	1.7	1.7	2.8	1.9	—
3312	Blast furnaces and steel mills	38.3	38.7	40.0	38.4	—	1.6	1.6	2.7	1.7	—
332	Iron and steel foundries	40.5	40.6	41.3	40.7	(*)	4.0	3.4	4.7	4.7	—
3321	Gray iron foundries	40.7	40.6	42.0	40.8	—	4.4	3.5	5.4	5.3	—
3322	Malleable iron foundries	38.8	38.5	40.7	39.6	—	—	—	—	—	—
3323	Steel foundries	40.7	41.4	39.9	40.9	—	3.6	3.6	3.3	3.7	—
333,4	Nonferrous metals	41.0	41.3	42.1	41.2	(*)	3.3	3.3	4.1	3.1	—
3334	Primary aluminum	41.3	41.2	41.5	42.2	—	—	—	—	—	—
335	Nonferrous rolling and drawing	41.2	41.4	42.1	41.7	(*)	3.6	3.5	4.6	4.3	—
3351	Copper rolling and drawing	41.2	41.4	42.9	42.5	—	—	—	—	—	—
3352	Aluminum rolling and drawing	41.4	41.6	42.2	41.9	—	4.1	4.3	5.4	4.9	—
3357	Nonferrous wire drawing and insulating	41.2	41.3	42.2	41.2	—	3.3	3.2	4.2	3.8	—
336	Nonferrous foundries	39.7	40.0	40.1	39.9	(*)	2.5	2.6	3.0	2.8	—
3361	Aluminum castings	39.6	40.0	40.4	40.1	—	—	—	—	—	—
3362,9	Other nonferrous castings	39.9	39.9	39.7	39.7	—	—	—	—	—	—
339	Miscellaneous primary metal products	41.1	40.5	40.1	39.6	(*)	3.7	3.4	4.1	3.1	—
3391	Iron and steel forgings	41.0	40.1	40.1	39.7	—	—	—	—	—	—
34	FABRICATED METAL PRODUCTS	40.5	40.7	40.9	40.6	41.3	3.9	2.9	3.6	3.3	—
341	Metal cans	42.8	42.8	43.1	41.8	(*)	3.3	2.8	4.3	3.2	—
342	Cutlery, hand tools, and hardware	40.0	40.1	40.5	40.9	(*)	2.6	2.6	3.3	3.4	—
3421,3,5	Cutlery and hand tools, incl. saws	40.2	39.9	40.2	40.8	—	—	—	—	—	—
3429	Hardware, nec.	39.9	40.2	40.8	40.9	—	—	—	—	—	—
343	Plumbing and heating, except electric	41.0	40.9	40.3	40.4	(*)	3.6	3.4	3.2	2.8	—
3431,2	Sanitary ware and plumbers' brass goods	40.9	41.1	40.2	39.9	—	—	—	—	—	—
3433	Heating equipment, except electric	41.1	40.8	40.4	40.9	—	—	—	—	—	—
344	Fabricated structural metal products	40.5	40.9	40.4	40.6	(*)	2.9	3.1	3.0	2.9	—
3441	Fabricated structural steel	41.2	41.6	40.9	41.1	—	3.4	3.5	3.3	3.2	—
3442	Metal doors, sash, and trim	39.7	39.4	39.1	39.6	—	—	—	—	—	—
3443	Fabricated plate work (boiler shops)	41.0	41.5	41.2	40.8	—	3.2	3.5	3.0	2.8	—
3444	Sheet metal work	39.5	40.0	39.6	40.5	—	—	—	—	—	—
3446,9	Architectural and misc. metal work	40.7	41.2	40.9	40.6	—	—	—	—	—	—
345	Screw machine products, bolts, etc.	39.7	39.9	41.9	41.9	42.3	2.0	2.0	4.2	4.1	—
3451	Screw machine products	39.8	40.1	41.6	41.3	—	—	—	—	—	—
3452	Bolts, nuts, rivets, and washers	39.7	39.7	42.1	42.5	—	—	—	—	—	—
346	Metal stampings	40.7	40.7	42.3	39.9	(*)	3.2	3.2	5.2	4.3	—
347	Metal services, nec.	39.6	40.0	39.8	40.0	—	3.3	3.2	3.2	3.2	—
348	Miscellaneous fabricated wire products	40.0	40.4	39.8	39.9	40.2	2.4	2.6	2.6	2.7	—
349	Miscellaneous fabricated metal products	40.1	40.5	40.2	40.5	(*)	2.7	3.0	3.1	3.1	—
3494,8	Valves, pipe, and pipe fittings	40.3	41.0	40.0	40.9	—	—	—	—	—	—
35	MACHINERY, EXCEPT ELECTRICAL	40.6	41.1	41.0	41.0	41.5	2.8	3.0	3.4	3.2	—
351	Engines and turbines	39.9	41.1	40.4	40.1	(*)	3.1	3.6	3.0	3.1	—
3511	Steam engines and turbines	41.3	42.1	40.8	41.5	—	—	—	—	—	—
3519	Internal combustion engines, nec.	39.3	40.6	40.2	39.5	—	—	—	—	—	—
352	Farm machinery	40.6	40.4	41.1	(*)	—	2.7	2.7	4.0	(*)	—
353	Construction and related machinery	41.1	41.6	40.5	40.5	41.2	3.0	3.0	2.8	2.5	—
3531,2	Construction and mining machinery	40.5	40.7	40.0	39.5	—	2.4	2.4	2.2	2.0	—
3533	Oil field machinery	43.8	44.8	42.4	43.0	—	—	—	—	—	—
3535,6	Conveyors, hoists, cranes, monorails	41.4	41.6	40.0	40.2	—	—	—	—	—	—
3537	Industrial trucks and tractors	37.7	38.8	40.0	40.0	—	—	—	—	—	—
354	Metal working machinery	40.5	41.0	41.8	42.1	(*)	2.9	3.3	4.0	4.1	—
3541	Machine tools, metal cutting types	40.1	41.3	42.3	42.4	—	2.1	2.8	4.0	3.9	—
3544	Special dies, tools, jig and fixtures	41.9	42.2	42.8	43.4	—	—	—	—	—	—
3545	Machine tool accessories	39.1	39.5	41.2	40.9	—	2.1	2.3	3.3	3.3	—
3542,8	Miscellaneous metal working machinery	39.3	39.9	40.0	40.5	—	—	—	—	—	—
355	Special industry machinery	40.1	40.9	41.1	41.0	(*)	2.4	2.8	3.3	3.3	—
3551	Food products machinery	40.2	40.8	41.0	41.0	—	—	—	—	—	—
3552	Textile machinery	39.9	40.6	40.8	40.4	—	—	—	—	—	—
3555	Printing trades machinery	39.4	39.9	41.1	41.0	—	—	—	—	—	—
356	General industrial machinery	40.7	41.2	40.4	40.6	(*)	3.1	3.2	3.2	3.1	—
3561	Pumps and compressors	41.6	42.0	40.8	41.2	—	3.7	4.0	3.4	3.2	—
3562	Ball and roller bearings	41.4	40.9	40.1	40.8	—	3.3	2.6	3.6	3.9	—
3564	Blowers and fans	41.0	41.2	41.0	40.2	—	—	—	—	—	—
3566	Power transmission equipment	39.9	41.5	40.9	41.0	—	3.2	3.7	3.4	2.9	—
357	Office and computing machines	40.9	41.9	42.5	42.5	42.9	2.2	2.6	3.4	3.3	—
3573	Electronic computing equipment	41.7	42.1	42.9	42.8	—	—	—	—	—	—
358	Service industry machines	39.6	40.2	40.0	40.1	(*)	1.7	1.9	2.5	2.1	—
3585	Refrigeration machinery	39.9	40.6	40.1	40.3	—	1.7	1.9	2.4	1.9	—
359	Miscellaneous machinery, except electrical	40.9	41.0	41.4	41.6	(*)	3.4	3.6	3.8	4.0	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$185.47	\$188.00	\$200.80	\$202.61	\$207.67	\$4.66	\$4.70	\$5.02	\$5.04	\$5.09
361	Electric test and distributing equipment	188.33	193.34	208.43	211.45	(*)	4.78	4.87	5.25	5.26	(*)
3611	Electric measuring instruments	168.39	184.67	202.18	203.89	—	4.34	4.64	5.08	5.11	—
3612	Transformers	184.71	180.42	200.19	203.31	—	4.70	4.65	5.03	5.02	—
3613	Switchgear and switchboard apparatus	206.80	209.04	218.59	223.26	—	5.17	5.20	5.52	5.54	—
362	Electrical industrial apparatus	184.27	188.00	200.66	203.89	(*)	4.63	4.70	5.08	5.11	(*)
3621	Motors and generators	187.40	192.23	204.73	209.16	—	4.65	4.77	5.17	5.19	—
3622	Industrial controls	173.70	176.22	189.63	192.76	—	4.50	4.53	4.90	4.93	—
363	Household appliances	184.40	186.53	194.82	195.82	(*)	4.61	4.64	4.97	4.97	(*)
3632	Household refrigerators and freezers	197.96	201.30	213.33	210.36	—	4.91	5.02	5.36	5.38	—
3633	Household laundry equipment	203.14	203.30	225.23	225.61	—	5.36	5.35	5.85	5.86	—
3634	Electric housewares and fans	160.75	158.76	167.38	169.46	—	3.94	3.92	4.27	4.29	—
364	Electric lighting and wiring equipment	176.27	178.20	190.16	192.72	197.80	4.44	4.45	4.79	4.83	4.86
3641	Electric lamps	186.14	185.28	209.80	215.59	—	4.54	4.53	5.08	5.17	—
3642	Lighting fixtures	179.79	180.78	193.95	195.03	—	4.61	4.60	4.91	4.95	—
3643.4	Wiring devices	168.67	172.43	177.91	180.06	—	4.27	4.30	4.55	4.57	—
365	Radio and TV receiving equipment	166.88	171.35	176.18	180.78	(*)	4.29	4.36	4.60	4.60	(*)
366	Communication equipment	216.41	215.74	235.89	238.21	242.94	5.37	5.38	5.81	5.81	5.84
3661	Telephone and telegraph apparatus	221.75	217.49	252.10	251.91	—	5.53	5.52	6.06	6.07	—
3662	Radio and TV communication equipment	212.50	214.77	224.07	227.61	—	5.26	5.29	5.63	5.62	—
367	Electronic components and accessories	155.63	156.82	167.23	168.44	170.53	3.95	3.95	4.16	4.19	4.19
3671.3	Electron tubes	199.51	196.18	214.52	215.60	—	4.89	4.88	5.31	5.39	—
3674.9	Other electronic components	149.35	151.26	161.20	162.41	—	3.81	3.81	4.01	4.04	—
369	Miscellaneous electrical equip. and supplies	218.69	220.99	239.51	239.20	(*)	5.36	5.39	5.73	5.75	(*)
3694	Engine electrical equipment	228.74	229.54	253.95	252.14	—	5.69	5.71	6.09	6.12	—
37	TRANSPORTATION EQUIPMENT	254.59	256.25	276.81	272.58	282.66	6.24	6.25	6.67	6.60	6.73
371	Motor vehicles and equipment	278.36	278.88	313.20	303.33	(*)	6.74	6.72	7.25	7.13	(*)
3711	Motor vehicles	288.56	291.07	327.75	314.46	—	7.09	6.98	7.50	7.33	—
3712	Passenger car bodies	334.61	305.16	326.82	396.55	—	7.71	7.61	8.03	8.06	—
3713	Truck and bus bodies	200.04	208.24	229.39	222.48	—	5.09	5.18	5.65	5.59	—
3714	Motor vehicle parts and accessories	274.63	274.98	312.05	294.53	—	6.57	6.61	7.19	7.08	—
3715	Truck trailers	180.19	187.98	202.75	203.20	—	4.87	4.87	5.12	5.08	—
372	Aircraft and parts	254.41	259.79	261.05	270.19	(*)	6.16	6.23	6.51	6.59	(*)
3721	Aircraft	262.44	265.56	270.50	278.78	—	6.37	6.43	6.63	6.75	—
3722	Aircraft engines and engine parts	253.18	261.66	260.41	272.16	—	6.16	6.23	6.66	6.72	—
3723.9	Other aircraft parts and equipment	236.02	243.49	241.20	248.87	—	5.66	5.77	6.03	6.07	—
373	Ship and boat building and repairing	213.59	215.20	219.46	229.31	(*)	5.38	5.38	5.73	5.82	(*)
3731	Ship building and repairing	226.06	227.93	231.42	243.27	—	5.68	5.67	6.09	6.19	—
3732	Boat building and repairing	167.74	168.95	178.09	181.94	—	4.29	4.31	4.52	4.56	—
374	Railroad equipment	249.08	251.70	262.08	271.07	—	6.29	6.34	6.72	6.88	—
375.9	Other transportation equipment	163.58	162.82	177.97	177.12	—	4.26	4.24	4.54	4.53	—
38	INSTRUMENTS AND RELATED PRODUCTS	183.08	186.99	198.19	199.49	204.68	4.60	4.64	4.93	4.95	4.98
381	Engineering and scientific instruments	198.36	199.39	210.80	209.75	—	4.91	4.96	5.27	5.27	—
382	Mechanical measuring and control devices	176.06	180.85	192.08	195.13	(*)	4.48	4.51	4.79	4.83	(*)
3821	Mechanical measuring devices	185.09	190.39	198.77	202.54	—	4.57	4.61	4.92	4.94	—
3822	Automatic temperature controls	159.96	164.59	180.97	182.82	—	4.30	4.32	4.57	4.64	—
383.5	Optical and ophthalmic goods	164.34	166.32	178.97	176.62	(*)	4.15	4.20	4.43	4.46	(*)
385	Ophthalmic goods	148.59	149.38	161.17	157.85	—	3.81	3.85	4.07	4.10	—
384	Medical instruments and supplies	160.70	165.17	173.36	175.08	(*)	4.11	4.15	4.40	4.41	(*)
386	Photographic equipment and supplies	237.31	242.18	257.65	257.88	(*)	5.76	5.78	6.12	6.14	(*)
387	Watches, clocks, and watchcases	146.86	145.10	152.83	157.21	—	3.69	3.73	3.98	3.96	—
39	MISC. MANUFACTURING INDUSTRIES	149.37	150.93	154.37	157.93	159.54	3.83	3.87	4.02	4.06	4.07
391	Jewelry, silverware, and plated ware	164.39	168.47	170.52	175.56	177.64	4.12	4.17	4.35	4.40	4.43
394	Toys and sporting goods	138.10	137.83	139.85	144.34	—	3.55	3.58	3.69	3.72	—
3941.3	Games, toys, dolls and play vehicles	133.43	131.45	130.90	135.20	—	3.43	3.45	3.50	3.53	—
3949	Sporting and athletic goods, nec	144.69	145.88	151.70	156.82	—	3.71	3.75	3.93	3.97	—
395	Pens, pencils, office and art supplies	157.38	158.26	159.60	163.22	—	3.82	3.86	4.00	4.04	—
396	Costume jewelry and notions	126.63	127.72	133.91	134.29	—	3.35	3.37	3.59	3.61	—
393.9	Other manufacturing industries	161.02	163.02	167.57	169.99	172.92	4.15	4.18	4.33	4.37	4.40
393	Musical instruments and parts	154.84	155.24	159.54	160.31	—	3.93	3.94	4.07	4.10	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	188.79	189.88	205.32	203.62	204.32	4.65	4.70	5.02	5.04	5.07
201	Meat products	190.80	196.02	210.74	209.50	208.75	4.77	4.84	5.14	5.16	5.18
2011	Meat packing plants	235.25	244.18	261.80	259.36	—	5.71	5.80	6.16	6.19	—
2013	Sausages and other prepared meats	228.17	231.49	247.86	249.49	—	5.62	5.66	6.09	6.10	—
2015	Poultry dressing plants	117.20	119.42	130.48	129.20	—	3.06	3.11	3.32	3.33	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.8	40.0	40.0	40.2	40.8	2.1	2.2	2.5	2.5	—
361	Electric test and distributing equipment	39.4	39.7	39.7	40.2	(*)	1.9	1.9	2.0	2.1	—
3611	Electric measuring instruments	38.8	39.8	39.8	39.9	—	1.7	1.7	1.4	1.5	—
3612	Transformers	39.3	38.8	39.8	40.5	—	—	—	—	—	—
3613	Switchgear and switchboard apparatus	40.0	40.2	39.6	40.3	—	—	—	—	—	—
362	Electrical industrial apparatus	39.8	40.0	39.5	39.9	—	2.2	2.1	2.2	2.3	—
3621	Motors and generators	40.3	40.3	39.6	40.3	—	2.8	2.4	2.5	2.6	—
3622	Industrial controls	38.6	38.9	38.7	39.1	—	1.2	1.2	1.4	1.6	—
363	Household appliances	40.0	40.2	39.2	39.4	(*)	2.3	2.3	2.0	1.8	—
3632	Household refrigerators and freezers	39.3	40.1	39.8	39.1	—	—	—	—	—	—
3633	Household laundry equipment	37.9	38.0	38.5	38.5	—	—	—	—	—	—
3634	Electric housewares and fans	40.8	40.5	39.2	39.5	—	3.0	2.8	2.3	2.4	—
364	Electric lighting and wiring equipment	39.7	40.0	39.7	39.9	40.7	2.0	2.2	2.3	2.3	—
3641	Electric lamps	41.0	40.9	41.3	41.7	—	2.3	2.4	2.4	2.5	—
3642	Lighting fixtures	39.0	39.3	39.5	39.4	—	2.1	2.1	2.6	2.7	—
3643,4	Wiring devices	39.5	40.1	39.1	39.4	—	1.7	2.2	2.1	2.0	—
365	Radio and TV receiving equipment	38.9	39.3	38.3	39.3	(*)	1.7	1.9	2.4	2.8	—
366	Communication equipment	40.3	40.1	40.6	41.0	41.6	2.0	2.0	2.6	2.4	—
3661	Telephone and telegraph apparatus	40.1	39.4	41.6	41.5	—	—	—	—	—	—
3662	Radio and TV communication equipment	40.4	40.6	39.8	40.5	—	2.3	2.4	2.4	2.3	—
367	Electronic components and accessories	39.4	39.7	40.2	40.2	40.7	1.9	2.1	2.5	2.5	—
3671,3	Electron tubes	40.8	40.2	40.4	40.0	—	2.5	2.1	1.8	1.8	—
3674,9	Other electronic components	39.2	39.7	40.2	40.2	—	1.8	2.1	2.6	2.6	—
369	Miscellaneous electrical equip. and supplies	40.8	41.0	41.8	41.6	(*)	2.9	3.0	4.4	3.5	—
3694	Engine electrical equipment	40.2	40.2	41.7	41.2	—	—	—	—	—	—
37	TRANSPORTATION EQUIPMENT	40.8	41.0	41.5	41.3	42.0	3.3	3.1	4.7	4.2	—
371	Motor vehicles and equipment	41.3	41.5	43.2	42.5	(*)	3.8	3.3	6.4	5.6	—
3711	Motor vehicles	40.7	41.7	43.7	42.9	—	3.8	3.3	7.0	5.8	—
3712	Passenger car bodies	43.4	40.1	40.7	49.2	—	—	—	—	—	—
3713	Truck and bus bodies	39.3	40.2	40.6	39.8	—	—	—	—	—	—
3714	Motor vehicle parts and accessories	41.8	41.6	43.4	41.6	—	3.8	3.5	6.2	5.1	—
3715	Truck trailers	37.0	38.6	39.6	40.0	—	—	—	—	—	—
372	Aircraft and parts	41.3	41.7	40.1	41.0	(*)	3.1	3.3	2.6	2.9	—
3721	Aircraft	41.2	41.3	40.8	41.3	—	2.7	2.7	2.3	2.4	—
3722	Aircraft engines and engine parts	41.1	42.0	39.1	40.5	—	3.4	4.0	2.9	3.5	—
3723,9	Other aircraft parts and equipment	41.7	42.2	40.0	41.0	—	3.6	3.9	3.1	3.4	—
373	Ship and boat building and repairing	39.7	40.0	38.3	39.4	(*)	2.7	2.9	2.4	2.7	—
3731	Ship building and repairing	39.8	40.2	38.0	39.3	—	—	—	—	—	—
3732	Boat building and repairing	39.1	39.2	39.4	39.9	—	—	—	—	—	—
374	Railroad equipment	39.6	39.7	39.0	39.4	—	2.2	2.4	1.6	1.9	—
375,9	Other transportation equipment	38.4	38.4	39.2	39.1	—	1.8	1.5	2.7	2.4	—
38	INSTRUMENTS AND RELATED PRODUCTS	39.8	40.3	40.2	40.3	41.1	2.1	2.2	2.5	2.5	—
381	Engineering and scientific instruments	40.4	40.2	40.0	39.8	—	2.7	2.8	2.9	2.3	—
382	Mechanical measuring and control devices	39.3	40.1	40.1	40.4	(*)	2.0	2.2	2.6	2.5	—
3821	Mechanical measuring devices	40.5	41.3	40.4	41.0	—	2.5	2.7	2.6	2.9	—
3822	Automatic temperature controls	37.2	38.1	39.6	39.4	—	1.1	1.5	2.5	1.9	—
383,5	Optical and ophthalmic goods	39.6	39.6	40.4	39.6	(*)	1.8	1.7	2.3	2.2	—
385	Ophthalmic goods	39.0	38.8	39.6	38.5	—	1.6	1.4	2.1	1.9	—
384	Medical instruments and supplies	39.1	39.8	39.4	39.7	(*)	1.8	2.0	2.0	2.2	—
386	Photographic equipment and supplies	41.2	41.9	42.1	42.0	(*)	2.5	2.8	3.2	3.3	—
387	Watches, clocks, and watch cases	39.8	38.9	38.4	39.7	—	2.1	1.6	1.7	2.0	—
39	MISC. MANUFACTURING INDUSTRIES	39.0	39.0	38.4	38.9	39.2	2.2	2.3	2.2	2.3	—
391	Jewelry, silverware, and plated ware	39.9	40.4	39.2	39.9	40.1	3.4	4.0	2.7	3.4	—
394	Toys and sporting goods	38.9	38.5	37.9	38.8	—	1.9	1.7	2.1	2.2	—
3941,3	Games, toys, dolls and play vehicles	38.9	38.1	37.4	38.3	—	—	—	—	—	—
3949	Sporting and athletic goods, nec	39.0	38.9	38.6	39.5	—	—	—	—	—	—
395	Pens, pencils, office and art supplies	41.2	41.0	39.9	40.4	—	3.1	3.4	2.5	2.8	—
396	Costume jewelry and notions	37.8	37.9	37.3	37.2	—	1.9	2.3	1.8	1.4	—
393,9	Other manufacturing industries	38.8	39.0	38.7	38.9	39.3	2.1	2.0	2.1	2.1	—
393	Musical instruments and parts	39.4	39.4	39.2	39.1	—	1.9	1.8	1.6	1.6	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	40.6	40.4	40.9	40.4	40.3	4.1	3.9	4.5	3.9	—
201	Meat products	40.0	40.5	41.0	40.6	40.3	4.0	4.4	4.3	4.1	—
2011	Meat packing plants	41.2	42.1	42.5	41.9	—	4.4	5.0	5.0	4.6	—
2013	Sausages and other prepared meats	40.6	40.9	40.7	40.9	—	—	—	—	—	—
2015	Poultry dressing plants	38.3	38.4	39.3	38.8	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	\$193.75	\$194.64	\$213.19	\$207.05	(*)	\$4.68	\$4.69	\$5.04	\$5.05	(*)
2024	Ice cream and frozen desserts	181.63	186.98	205.44	200.27	—	4.73	4.77	5.06	5.07	—
2026	Fluid milk	203.89	204.73	224.55	218.30	—	4.82	4.84	5.21	5.21	—
203	Canned, cured, and frozen foods	166.04	153.62	173.89	168.48	—	4.11	3.99	4.38	4.32	—
2031,6	Canned, cured, and frozen sea foods	122.85	115.87	137.90	135.49	—	3.49	3.49	3.94	3.95	—
2032,3	Canned food, except sea foods	184.47	168.92	186.22	179.65	—	4.31	4.13	4.52	4.48	—
2037	Frozen fruits and vegetables	153.58	146.26	156.65	162.77	—	3.83	3.76	4.09	4.10	—
204	Grain mill products	219.39	222.13	242.82	241.64	(*)	4.93	5.06	5.42	5.43	(*)
2041	Flour and other grain mill products	246.86	242.35	272.07	256.62	—	5.23	5.28	5.68	5.64	—
2042	Prepared feeds for animals and fowls	184.41	189.22	208.32	209.73	—	5.22	4.37	4.65	4.64	—
205	Bakery products	189.64	193.55	208.43	207.23	\$210.00	4.85	4.90	5.29	5.30	\$5.33
2051	Bread, cake, and related products	188.18	191.69	206.19	204.86	—	4.85	4.89	5.26	5.28	—
2052	Cookies and crackers	193.03	201.38	215.06	214.80	—	4.85	4.96	5.39	5.37	—
206	Sugar	196.40	201.69	239.20	203.90	—	4.91	4.86	5.82	5.31	—
207	Confectionery and related products	163.99	163.17	179.39	178.35	(*)	4.11	4.11	4.53	4.47	(*)
2071	Confectionery products	153.27	154.06	170.56	168.67	—	3.90	3.92	4.34	4.27	—
208	Beverages	218.04	223.44	250.10	245.01	242.96	5.52	5.60	6.13	6.11	6.12
2082	Malt liquors	301.26	312.14	350.02	342.24	—	7.19	7.31	8.14	8.11	—
2086	Bottled and canned soft drinks	156.53	160.06	179.78	172.80	—	4.13	4.19	4.54	4.50	—
209	Miscellaneous foods and kindred products	191.06	193.66	206.07	206.42	(*)	4.56	4.60	4.93	4.95	(*)
21	TOBACCO MANUFACTURES	166.10	178.20	175.77	181.50	186.31	4.27	4.40	4.65	4.69	4.89
211	Cigarettes	211.66	229.23	220.10	230.53	—	5.57	5.66	6.03	6.10	—
212	Cigars	114.26	115.97	121.97	122.25	—	2.96	3.02	3.27	3.26	—
22	TEXTILE MILL PRODUCTS	144.73	145.44	148.93	149.71	151.64	3.53	3.53	3.78	3.79	3.81
221	Weaving mills, cotton	151.26	153.43	157.61	162.76	162.36	3.61	3.61	3.95	3.96	3.96
222	Weaving mills, synthetics	150.79	153.46	159.60	158.01	159.20	3.66	3.68	4.00	3.98	3.98
223	Weaving and finishing mills, wool	149.45	149.60	157.87	158.69	(*)	3.61	3.64	3.86	3.88	(*)
224	Narrow fabric mills	134.20	136.86	141.60	138.87	143.60	3.33	3.24	3.54	3.57	3.59
225	Knitting mills	131.99	131.66	134.49	134.90	136.73	3.35	3.35	3.53	3.55	3.57
2251	Women's hosiery, except socks	116.28	116.35	122.47	124.46	—	3.06	3.07	3.31	3.31	—
2252	Hosiery, nec	119.65	119.95	118.70	122.39	—	3.06	3.06	3.27	3.29	—
2253	Knit outerwear mills	131.33	130.64	135.32	137.21	—	3.42	3.42	3.58	3.63	—
2254	Knit underwear mills	117.43	118.12	124.15	123.79	—	3.05	3.06	3.25	3.31	—
226	Textile finishing, except wool	165.55	164.01	160.34	161.50	165.20	3.85	3.85	4.08	4.12	4.13
227	Floor covering mills	148.47	150.47	157.47	157.47	—	3.63	3.67	3.85	3.85	—
228	Yarn and thread mills	137.45	138.20	138.41	136.64	(*)	3.32	3.33	3.54	3.54	(*)
229	Miscellaneous textile goods	157.29	157.70	165.24	168.10	(*)	3.79	3.80	4.05	4.08	(*)
23	APPAREL AND OTHER TEXTILE PRODUCTS	117.61	118.30	122.85	123.55	125.66	3.24	3.25	3.49	3.50	3.52
231	Men's and boys' suits and coats	139.26	142.36	156.45	153.51	157.18	4.06	4.01	4.31	4.30	4.33
232	Men's and boys' furnishings	107.80	109.13	110.98	112.37	(*)	2.89	2.91	3.10	3.13	(*)
2321	Men's and boys' shirts and nightwear	104.53	106.13	108.47	110.93	—	2.81	2.83	3.03	3.09	—
2327	Men's and boys' separate trousers	111.97	113.62	111.83	112.25	—	2.97	2.99	3.15	3.18	—
2328	Men's and boys' work clothing	103.04	105.56	109.08	112.18	—	2.80	2.80	3.03	3.04	—
233	Women's and misses' outerwear	113.89	114.91	117.72	118.08	119.52	3.33	3.35	3.60	3.60	3.60
2331	Women's and misses' blouses and waists	113.25	113.60	112.56	114.92	—	3.19	3.20	3.36	3.38	—
2335	Women's and misses' dresses	110.54	112.18	115.61	115.97	—	3.37	3.42	3.67	3.67	—
2337	Women's and misses' suits and coats	131.63	127.34	135.62	132.09	—	3.86	3.79	4.16	4.18	—
2339	Women's and misses' outerwear, nec	110.47	113.83	113.53	115.88	—	3.06	3.11	3.31	3.33	—
234	Women's and children's undergarments	111.30	110.56	114.84	116.16	(*)	2.96	2.98	3.19	3.20	(*)
2341	Women's and children's underwear	108.29	107.51	111.91	113.46	—	2.88	2.89	3.10	3.10	—
2342	Corsets and allied garments	120.80	120.01	124.95	124.96	—	3.23	3.27	3.50	3.55	—
235	Hats, caps, and millinery	106.13	107.60	112.18	112.05	—	2.94	2.94	3.04	2.98	—
236	Children's outerwear	108.41	108.04	110.60	112.46	(*)	2.97	2.96	3.16	3.15	(*)
2361	Children's dresses and blouses	107.88	107.58	109.42	113.25	—	2.98	2.98	3.19	3.19	—
237,8	Fur goods and miscellaneous apparel	122.54	121.84	127.43	130.31	—	3.33	3.32	3.53	3.58	—
239	Miscellaneous fabricated textile products	142.76	142.03	152.04	152.02	153.63	3.67	3.67	3.98	3.99	3.98
2391,2	Housefurnishings	118.50	117.39	122.42	123.18	—	3.00	3.01	3.23	3.25	—
26	PAPER AND ALLIED PRODUCTS	218.36	221.95	237.71	234.63	236.88	5.15	5.21	5.58	5.56	5.60
261,2,6	Paper and pulp mills	254.46	259.16	284.58	275.69	277.83	5.77	5.85	6.31	6.28	6.30
263	Paperboard mills	262.99	269.38	291.71	284.92	(*)	5.95	6.04	6.57	6.52	(*)
264	Miscellaneous converted paper products	189.72	193.58	201.87	202.28	(*)	4.65	4.71	4.96	4.97	(*)
2643	Bags, except textile paper	178.57	184.54	198.03	197.21	—	4.42	4.49	4.83	4.81	—
265	Paperboard containers and boxes	195.16	195.99	205.59	207.83	208.57	4.68	4.70	4.99	5.02	5.05
2651,2	Folding and setup paperboard boxes	180.30	185.89	194.40	193.99	—	4.43	4.49	4.73	4.72	—
2653	Corrugated and solid fiber boxes	208.89	204.93	220.06	222.79	—	4.95	4.95	5.29	5.33	—
2654	Sanitary food containers	185.74	187.88	193.17	197.96	—	4.36	4.40	4.70	4.77	—

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—										
	Continued										
202	Dairy products	41.4	41.5	42.3	41.0	(*)	3.8	3.6	4.5	3.8	—
2024	Ice cream and frozen desserts	38.4	39.2	40.6	39.5	—	—	—	—	—	—
2026	Fluid milk	42.3	42.3	43.1	41.9	—	—	—	—	—	—
203	Canned, cured, and frozen foods	40.4	38.5	39.7	39.0	—	4.0	3.0	4.4	3.4	—
2031,6	Canned, cured, and frozen sea foods	35.2	33.2	35.0	34.3	—	—	—	—	—	—
2032,3	Canned food, except sea foods	42.8	40.9	41.2	40.1	—	—	—	—	—	—
2037	Frozen fruits and vegetables	40.1	38.9	38.3	39.7	—	—	—	—	—	—
204	Grain mill products	44.5	43.9	44.8	44.5	(*)	7.0	5.9	6.7	5.9	—
2041	Flour and other grain mill products	47.2	45.9	47.9	45.5	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	43.7	43.3	44.8	45.2	—	—	—	—	—	—
205	Bakery products	39.1	39.5	39.4	39.1	39.4	3.5	3.6	3.6	3.2	—
2051	Bread, cake, and related products	38.8	39.2	39.2	38.8	—	—	—	—	—	—
2052	Cookies and crackers	39.8	40.6	39.9	40.0	—	—	—	—	—	—
206	Sugar	40.0	41.5	41.1	38.4	—	4.4	4.9	4.9	3.7	—
207	Confectionery and related products	39.9	39.7	39.6	39.9	(*)	3.1	2.5	2.9	3.0	—
2071	Confectionery products	39.3	39.3	39.3	39.5	—	—	—	—	—	—
208	Beverages	39.5	39.9	40.8	40.1	39.7	3.2	3.3	4.6	3.7	—
2082	Malt liquors	41.9	42.7	43.0	42.2	—	—	—	—	—	—
2086	Bottled and canned soft drinks	37.9	38.2	39.6	38.4	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	41.9	42.1	41.8	41.7	(*)	4.8	4.8	4.8	4.7	—
21	TOBACCO MANUFACTURES	38.9	40.5	37.8	38.7	38.1	2.0	3.1	1.3	1.8	—
211	Cigarettes	38.0	40.5	36.5	37.8	—	2.1	3.5	1.1	1.5	—
212	Cigars	38.6	38.4	37.3	37.5	—	1.3	1.0	.8	1.0	—
22	TEXTILE MILL PRODUCTS	41.0	41.2	39.4	39.5	39.8	4.0	4.0	3.0	3.0	—
221	Weaving mills, cotton	41.9	42.5	39.9	41.1	41.0	4.8	5.0	3.4	3.7	—
222	Weaving mills, synthetics	41.2	41.7	39.9	39.7	40.0	4.2	4.2	3.2	3.4	—
223	Weaving and finishing mills, wool	41.4	41.1	40.9	40.9	(*)	3.7	3.5	3.0	3.3	—
224	Narrow fabric mills	40.3	41.6	40.0	38.9	40.0	3.6	3.7	3.1	2.8	—
225	Knitting mills	39.4	39.3	38.1	38.0	38.3	3.2	2.9	2.4	2.4	—
2251	Women's hosiery, except socks	38.0	37.9	37.0	37.6	—	—	—	—	—	—
2252	Hosiery, nec	39.1	39.2	36.3	37.2	—	—	—	—	—	—
2253	Knit outerwear mills	38.4	38.2	27.8	37.8	—	—	—	—	—	—
2254	Knit underwear mills	38.5	38.6	38.2	37.4	—	—	—	—	—	—
226	Textile finishing, except wool	43.0	42.6	39.3	39.2	40.0	5.4	5.1	3.0	3.0	—
227	Floor covering mills	40.9	41.0	40.9	40.9	—	3.4	3.4	4.5	3.5	—
228	Yarn and thread mills	41.4	41.5	39.1	38.6	(*)	4.1	4.1	2.8	2.4	—
229	Miscellaneous textile goods	41.5	41.5	40.8	41.2	(*)	3.7	3.8	3.3	3.4	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.3	36.4	35.2	35.3	35.7	1.5	1.5	1.2	1.2	—
231	Men's and boys' suits and coats	34.3	35.5	36.3	35.7	36.3	1.0	.9	1.0	.9	—
232	Men's and boys' furnishings	37.3	37.5	35.8	35.9	(*)	1.4	1.5	1.1	1.0	—
2321	Men's and boys' shirts and nightwear	37.2	37.5	35.8	35.9	—	1.4	1.6	1.1	1.1	—
2327	Men's and boys' separate trousers	37.7	38.0	35.5	35.3	—	1.5	1.3	1.1	1.0	—
2328	Men's and boys' work clothing	36.8	37.7	36.0	36.9	—	1.1	1.4	1.0	1.0	—
233	Women's and misses' outerwear	34.2	34.3	32.7	32.8	33.2	1.2	1.4	.9	.9	—
2331	Women's and misses' blouses and waists	35.5	35.5	33.5	34.0	—	—	—	—	—	—
2335	Women's and misses' dresses	32.8	32.8	31.5	31.6	—	1.1	1.3	.8	.8	—
2337	Women's and misses' suits and coats	34.1	33.6	32.6	31.6	—	1.0	1.0	1.0	.9	—
2339	Women's and misses' outerwear, nec	36.1	36.6	34.3	34.8	—	1.4	1.7	1.1	1.2	—
234	Women's and children's undergarments	37.6	37.1	36.0	36.3	(*)	1.8	1.6	1.3	1.3	—
2341	Women's and children's underwear	37.6	37.7	36.1	36.6	—	—	—	—	—	—
2342	Corsets and allied garments	37.4	36.7	35.7	35.2	—	—	—	—	—	—
235	Hats, caps, and millinery	36.1	36.6	36.9	37.6	—	1.0	.9	1.3	1.8	—
236	Children's outerwear	36.5	36.5	35.0	35.7	(*)	1.6	1.5	1.2	1.1	—
2361	Children's dresses and blouses	36.2	36.1	34.3	35.5	—	—	—	—	—	—
237,8	Fur goods and miscellaneous apparel	36.8	36.7	36.1	36.4	—	1.6	1.5	1.2	1.2	—
239	Miscellaneous fabricated textile products	38.9	38.7	38.2	38.1	38.6	2.3	2.0	2.4	2.4	—
2391,2	Housefurnishings	39.5	39.0	37.9	37.9	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	42.4	42.6	42.6	42.2	42.3	4.7	4.7	5.1	4.6	—
261,2,6	Paper and pulp mills	44.1	44.3	45.1	43.9	44.1	6.1	6.2	6.7	6.1	—
263	Paperboard mills	44.2	44.6	44.4	43.7	(*)	6.7	7.2	7.5	6.4	—
264	Miscellaneous converted paper products	40.8	41.1	40.7	40.7	(*)	3.3	3.2	3.6	3.3	—
2643	Bags, except textile bags	40.4	41.1	41.0	41.0	—	—	—	—	—	—
265	Paperboard containers and boxes	41.7	41.7	41.2	41.4	41.3	4.1	3.9	4.0	3.6	—
2651,2	Folding and setup paperboard boxes	40.7	41.4	41.1	41.1	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	42.2	41.4	41.6	41.8	—	4.7	3.9	4.6	4.2	—
2654	Sanitary food containers	42.6	42.7	41.1	41.5	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p
	NONDURABLE GOODS—Continued										
27	PRINTING AND PUBLISHING	\$203.68	\$204.58	\$218.86	\$216.38	\$217.33	\$5.49	\$5.47	\$5.79	\$5.77	\$5.78
271	Newspapers	208.73	208.04	221.54	220.50	222.13	6.05	6.03	6.44	6.41	6.42
272	Periodicals	208.57	206.93	228.69	224.79	—	5.46	5.46	5.94	5.90	—
273	Books	175.58	176.60	200.27	196.98	—	4.72	4.76	5.07	5.09	—
275	Commercial printing	211.63	211.91	226.58	222.91	(*)	5.54	5.49	5.78	5.76	(*)
2751	Commercial printing, except lithographic	206.12	203.52	219.35	215.56	—	5.41	5.30	5.61	5.57	—
2752	Commercial printing, lithographic	221.95	223.49	238.16	234.69	—	5.78	5.79	6.06	6.08	—
278	Blankbooks and bookbinding	160.09	162.09	174.15	174.72	(*)	4.18	4.21	4.50	4.48	(*)
274,6,7,9	Other publishing and printing ind.	205.74	210.53	218.50	217.53	220.92	5.40	5.44	5.69	5.65	5.65
28	CHEMICALS AND ALLIED PRODUCTS	227.70	230.74	253.68	250.66	255.17	5.50	5.56	6.04	6.04	6.09
281	Industrial chemicals	253.76	258.94	292.83	286.37	(*)	6.10	6.18	6.81	6.77	(*)
2812	Alkalies and chlorine	263.12	263.40	294.87	298.91	—	5.98	6.00	6.81	6.84	—
2818	Industrial organic chemicals, nec	272.30	283.76	320.03	307.73	—	6.53	6.63	7.29	7.19	—
2819	Industrial inorganic chemicals, nec.	241.90	242.40	282.81	271.58	—	5.90	6.00	6.67	6.56	—
282	Plastics materials and synthetics	225.30	228.90	249.74	241.67	(*)	5.39	5.45	5.89	5.88	(*)
2821	Plastics materials and resins	244.60	248.91	269.55	265.25	—	5.61	5.67	6.14	6.14	—
2823,4	Synthetic fibers	206.65	209.30	228.11	216.07	—	5.09	5.13	5.51	5.47	—
283	Drugs	213.15	214.25	226.70	233.76	(*)	5.25	5.29	5.57	5.66	(*)
2834	Pharmaceutical preparations	218.17	209.16	221.68	229.07	—	5.14	5.19	5.46	5.56	—
284	Soap, cleaners, and toilet goods	213.91	218.12	230.68	236.57	(*)	5.23	5.32	5.71	5.77	(*)
2841	Soap and other detergents	278.38	283.34	304.50	312.56	—	6.55	6.62	7.25	7.32	—
2844	Toilet preparations	171.17	175.20	185.81	189.85	—	4.29	4.38	4.74	5.77	—
285	Paints and allied products	202.71	204.72	224.00	217.34	(*)	5.03	5.08	5.45	5.42	(*)
287	Agricultural chemicals	212.85	214.21	235.09	232.60	(*)	4.95	4.97	5.48	5.46	(*)
2871,2	Fertilizers, complete and mixing only ..	199.02	201.28	222.83	218.45	—	4.65	4.67	5.17	5.14	—
286,9	Other chemical products	212.16	214.95	234.36	233.65	(*)	5.20	5.23	5.58	5.63	(*)
2892	Explosives	203.60	210.31	224.35	235.28	—	5.09	5.08	5.38	5.51	—
29	PETROLEUM AND COAL PRODUCTS	278.94	281.72	309.02	304.43	301.49	6.61	6.66	7.22	7.18	7.23
291	Petroleum refining	294.47	301.14	335.62	328.02	(*)	7.13	7.17	7.86	7.81	(*)
295,9	Other petroleum and coal products	234.83	226.46	235.64	240.24	(*)	5.23	5.23	5.48	5.51	(*)
30	RUBBER AND PLASTICS PRODUCTS, NEC	177.24	178.93	198.37	198.92	202.78	4.42	4.44	4.85	4.84	4.91
301	Tires and inner tubes	240.85	242.19	311.66	304.52	(*)	5.86	5.85	6.79	6.65	(*)
302,3,6	Other rubber products	174.64	176.31	188.87	196.25	196.66	4.41	4.43	4.71	4.81	4.82
302	Rubber footwear	129.00	128.02	129.13	127.04	—	3.44	3.46	3.49	3.49	—
307	Miscellaneous plastics products	157.60	159.60	167.93	167.14	169.18	3.94	3.98	4.23	4.21	4.24
31	LEATHER AND LEATHER PRODUCTS	125.45	126.61	126.32	125.61	127.73	3.25	3.28	3.48	3.47	3.49
311	Leather tanning and finishing	179.61	177.48	177.87	176.79	177.25	4.37	4.35	4.62	4.58	4.58
314	Footwear, except rubber	118.80	119.95	118.83	116.49	119.60	3.11	3.14	3.31	3.30	3.35
312,3,5,7,9	Other leather products	123.07	125.00	127.72	130.50	(*)	3.18	3.23	3.48	3.48	(*)
316	Luggage	119.78	124.13	132.13	135.01	—	3.22	3.31	3.66	3.61	—
317	Handbags and personal leather goods ..	127.08	127.03	121.03	124.46	—	3.13	3.16	3.28	3.31	—
—	TRANSPORTATION AND PUBLIC UTILITIES	244.99	245.12	265.06	265.06	264.94	6.14	6.19	6.61	6.61	6.64
4011	RAILROAD TRANSPORTATION: Class I railroads ²	283.76	276.45	308.52	(*)	—	6.42	6.52	6.98	(*)	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	206.95	208.28	220.49	222.32	—	5.06	5.13	5.54	5.60	—
413	Intercity highway transportation	238.13	235.69	259.46	267.85	—	6.25	6.37	6.81	6.73	—
42	TRUCKING AND WAREHOUSING	249.05	248.00	267.24	268.30	—	6.18	6.20	6.55	6.56	—
421,3	Trucking and trucking terminals	256.54	254.00	273.62	275.11	—	6.35	6.35	6.69	6.71	—
422	Public warehousing	170.74	171.74	192.15	190.16	—	4.29	4.37	4.84	4.79	—
46	PIPE LINE TRANSPORTATION	290.65	296.31	312.91	317.41	—	6.97	7.14	7.54	7.63	—
48	COMMUNICATION	233.58	232.97	261.10	260.43	—	6.02	6.02	6.61	6.61	—
481	Telephone communication	226.23	235.24	266.74	265.67	—	6.12	6.11	6.77	6.76	—
4817	Switchboard operating employees ³	178.34	178.34	193.00	195.05	—	5.23	5.23	5.71	5.72	—
4818	Line construction employees ⁴	302.46	301.04	339.98	339.98	—	7.10	7.10	7.87	7.87	—
482	Telegraph communication ⁵	248.27	244.61	271.76	(*)	—	6.13	6.10	6.71	(*)	—
483	Radio and television broadcasting	218.57	224.40	239.79	237.40	—	5.59	5.71	6.04	6.01	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p
	NONDURABLE GOODS—Continued										
27	PRINTING AND PUBLISHING	37.1	37.4	37.8	37.5	37.6	2.4	2.5	2.9	2.5	—
271	Newspapers	34.5	34.5	34.4	34.4	34.6	1.9	1.9	1.8	1.8	—
272	Periodicals	38.2	37.9	38.5	38.1	—	2.5	2.2	3.3	2.3	—
273	Books	37.2	37.1	39.5	38.7	—	2.0	2.1	3.1	2.5	—
275	Commercial printing	38.2	38.6	39.2	38.7	(*)	2.9	2.9	3.5	3.0	—
2751	Commercial printing, except lithographic	38.1	38.4	39.1	38.7	—	2.9	2.8	3.5	2.9	—
2752	Commercial printing, lithographic	38.4	38.6	39.3	38.6	—	3.0	3.0	3.5	3.1	—
278	Blankbooks and bookbinding	38.3	38.5	38.7	39.0	(*)	1.8	2.0	2.7	2.4	—
274,6,7,9	Other publishing and printing ind.	38.1	38.7	38.4	38.5	39.1	2.1	2.5	3.0	2.6	—
28	CHEMICALS AND ALLIED PRODUCTS	41.4	41.5	42.0	41.5	41.9	3.1	3.0	3.6	3.3	—
281	Industrial chemicals	41.6	41.9	43.0	42.3	(*)	3.3	3.2	4.5	3.6	—
2812	Alkalies and chlorine	44.0	43.9	43.3	43.7	—	—	—	—	—	—
2818	Industrial organic chemicals, nec.	41.7	42.8	43.9	42.8	—	3.0	3.3	4.1	3.8	—
2819	Industrial inorganic chemicals, nec.	41.0	40.4	42.4	41.4	—	3.0	2.9	5.0	3.2	—
282	Plastics materials and synthetics	41.8	42.0	42.4	41.1	(*)	3.1	2.9	3.2	2.9	—
2821	Plastics materials and resins	43.6	43.9	43.9	43.2	—	5.0	4.7	5.1	4.7	—
2823,4	Synthetic fibers	40.6	40.8	41.4	39.5	—	1.9	1.7	1.8	1.6	—
283	Drugs	40.6	40.5	40.7	41.3	(*)	2.4	2.8	2.9	2.9	—
2834	Pharmaceutical preparations	40.5	40.3	40.6	41.2	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	40.9	41.0	40.4	41.0	(*)	3.0	2.7	3.0	3.3	—
2841	Soap and other detergents	42.5	42.8	42.0	42.7	—	—	—	—	—	—
2844	Toilet preparations	39.9	40.0	39.2	39.8	—	—	—	—	—	—
285	Paints and allied products	40.3	40.3	41.1	40.1	(*)	2.3	2.0	3.1	2.7	—
287	Agricultural chemicals	43.0	43.1	42.9	42.6	(*)	4.6	4.5	4.8	4.3	—
2871,2	Fertilizers, complete and mixing only	42.8	43.1	43.1	42.5	—	—	—	—	—	—
286,9	Other chemical products	40.8	41.1	42.0	41.5	(*)	2.9	2.6	3.4	3.4	—
2892	Explosives	40.0	41.4	41.7	42.7	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	42.2	42.3	42.8	42.4	41.7	3.9	3.7	3.5	3.5	—
291	Petroleum refining	41.3	42.0	42.7	42.0	(*)	3.0	3.1	2.9	2.9	—
295,9	Other petroleum and coal products	44.9	43.3	43.0	43.6	(*)	6.4	2.6	5.3	5.1	—
30	RUBBER AND PLASTICS PRODUCTS, NEC	40.1	40.3	40.9	41.1	41.3	3.2	3.0	4.1	3.8	—
301	Tires and inner tubes	41.1	41.4	45.9	45.8	(*)	4.2	3.6	8.0	7.4	—
302,3,6	Other rubber products	39.6	39.8	40.1	40.8	40.8	2.5	2.4	3.5	3.5	—
302	Rubber footwear	37.5	37.0	37.0	36.4	—	1.7	.9	1.6	1.3	—
307	Miscellaneous plastics products	40.0	40.1	39.7	39.7	39.9	3.2	3.0	3.2	2.9	—
31	LEATHER AND LEATHER PRODUCTS	38.6	38.6	36.3	36.2	36.6	2.5	2.4	1.6	1.6	—
311	Leather tanning and finishing	41.1	40.8	38.5	38.6	38.7	4.3	4.2	2.5	2.4	—
314	Footwear, except rubber	38.2	38.2	35.9	35.3	35.7	2.1	2.1	1.4	1.2	—
312,3,5,7,9	Other leather products	38.7	38.7	36.7	37.5	(*)	2.7	2.6	1.7	2.2	—
316	Luggage	37.2	37.5	36.1	37.4	—	1.6	1.8	1.5	2.4	—
317	Handbags and personal leather goods	40.6	40.2	36.9	37.6	—	3.1	3.4	2.0	2.4	—
—	TRANSPORTATION AND PUBLIC UTILITIES	39.9	39.6	40.1	40.1	39.9	—	—	—	—	—
4011	RAILROAD TRANSPORTATION: Class I railroads ²	44.2	42.4	44.2	(*)	—	—	—	—	—	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	40.9	40.6	39.8	39.7	—	—	—	—	—	—
413	Intercity highway transportation	38.1	37.0	38.1	39.8	—	—	—	—	—	—
42	TRUCKING AND WAREHOUSING	40.3	40.0	40.8	40.9	—	—	—	—	—	—
421,3	Trucking and trucking terminals	40.4	40.0	40.9	41.0	—	—	—	—	—	—
422	Public warehousing	39.8	39.3	39.7	39.7	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	41.7	41.5	41.5	41.6	—	—	—	—	—	—
48	COMMUNICATION	38.8	38.7	39.5	39.4	—	—	—	—	—	—
481	Telephone communication	38.6	38.5	39.4	39.3	—	—	—	—	—	—
4817	Switchboard operating employees ³	34.1	34.1	33.8	34.1	—	—	—	—	—	—
4818	Line construction employees ⁴	42.6	42.4	43.2	43.2	—	—	—	—	—	—
482	Telegraph communication ⁵ **	40.5	40.1	40.5	(*)	—	—	—	—	—	—
483	Radio and television broadcasting	39.1	39.3	39.7	39.5	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 P	Nov. 1976 P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 P	Nov. 1976 P
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
48	ELECTRIC, GAS, AND SANITARY SERVICES	\$254.41	\$258.34	\$278.30	\$279.97	-	\$6.16	\$6.24	\$6.69	\$6.73	-
491	Electric companies and systems	257.50	261.25	280.64	280.80	-	6.25	6.28	6.73	6.75	-
492	Gas companies and systems	233.45	234.36	250.08	257.04	-	5.68	5.73	6.19	6.30	-
493	Combination companies and systems	280.96	289.54	314.16	317.58	-	6.77	6.96	7.48	7.49	-
494-7	Water, steam, and sanitary systems	205.82	208.38	228.60	225.89	-	5.02	5.07	5.43	5.43	-
-	WHOLESALE AND RETAIL TRADE	128.73	128.69	136.15	135.60	\$136.27	3.82	3.83	4.04	4.06	\$4.08
50	WHOLESALE TRADE	193.22	194.27	204.61	204.34	207.48	4.98	5.02	5.26	5.28	5.32
501	Motor vehicles and automotive equipment	176.12	176.01	186.84	180.65	-	4.47	4.49	4.73	4.68	-
502	Drugs, chemicals, and allied products	195.83	198.36	215.27	211.69	-	5.14	5.22	5.68	5.63	-
503	Dry goods and apparel	162.09	164.33	175.79	173.40	-	4.49	4.49	4.79	4.79	-
504	Groceries and related products	186.34	187.88	200.07	196.99	-	4.84	4.88	5.13	5.13	-
506	Electrical goods	214.13	215.34	221.09	226.51	-	5.34	5.37	5.64	5.72	-
507	Hardware; plumbing and heating equipment	182.88	183.46	193.54	194.69	-	4.75	4.79	5.04	5.07	-
508	Machinery, equipment, and supplies	213.47	215.32	224.64	227.03	-	5.35	5.41	5.63	5.69	-
509	Miscellaneous wholesalers	189.50	191.40	199.79	199.88	-	5.00	5.05	5.23	5.26	-
52-59	RETAIL TRADE	109.46	109.46	115.88	115.43	115.75	3.41	3.41	3.61	3.63	3.64
53	Retail general merchandise	101.08	100.75	107.92	106.53	-	3.25	3.25	3.47	3.47	-
531	Department stores	103.09	102.41	110.57	109.14	-	3.38	3.38	3.59	3.59	-
532	Mail order houses	135.32	132.21	146.63	143.06	-	3.98	3.90	4.30	4.22	-
533	Variety stores	79.99	80.22	86.98	83.49	-	2.64	2.63	2.88	2.83	-
54	Food stores	130.82	131.54	145.64	141.47	-	4.05	4.06	4.40	4.38	-
541-3	Grocery, meat, and vegetable stores	134.55	135.71	149.97	146.50	-	4.14	4.15	4.49	4.48	-
56	Apparel and accessory stores	92.71	92.09	98.75	98.07	-	3.08	3.08	3.27	3.28	-
561	Men's and boys' clothing and furnishings	114.92	115.48	122.18	123.45	-	3.58	3.62	3.83	3.87	-
562	Women's ready-to-wear stores	82.33	81.50	85.26	85.24	-	2.81	2.82	2.94	2.97	-
565	Family clothing stores	90.60	90.00	96.10	95.17	-	3.02	3.00	3.12	3.11	-
566	Shoe stores	93.67	91.55	104.65	101.67	-	3.23	3.19	3.50	3.47	-
57	Furniture and home furnishings stores	146.29	147.38	153.61	152.46	-	4.03	4.06	4.22	4.20	-
571	Furniture and home furnishings	148.60	150.06	157.68	156.59	-	4.06	4.10	4.32	4.29	-
58	Eating and drinking places ⁶	71.63	71.66	76.45	76.18	-	2.54	2.55	2.74	2.76	-
52,55,59	Other retail trade	139.80	138.68	143.78	143.71	-	3.83	3.81	3.95	3.97	-
52	Building materials and farm equipment	152.87	151.32	163.98	163.96	-	3.88	3.89	4.12	4.13	-
551.2	Motor vehicle dealers	198.00	193.25	189.68	190.79	-	5.00	4.88	4.79	4.83	-
553.9	Other automotive and accessory dealers	150.82	152.45	163.96	163.14	-	3.78	3.84	4.13	4.13	-
591	Drug stores and proprietary stores	101.06	101.70	106.64	105.57	-	3.26	3.27	3.44	3.45	-
594	Book and stationery stores	113.08	115.48	118.86	117.39	-	3.49	3.51	3.58	3.59	-
598	Fuel and ice dealers	175.92	176.57	175.67	182.28	-	4.42	4.47	4.47	4.58	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	151.79	155.18	160.67	161.48	161.77	4.17	4.24	4.39	4.40	4.42
60	Banking	128.87	132.11	135.42	136.15	-	3.55	3.59	3.71	3.73	-
61	Credit agencies other than banks	138.01	140.62	143.96	143.59	-	3.70	3.77	3.87	3.86	-
612	Savings and loan associations	135.04	137.64	138.71	139.47	-	3.63	3.72	3.79	3.79	-
62	Security, commodity brokers and services	264.54	272.63	289.92	(*)	-	6.98	7.27	7.55	(*)	-
63	Insurance carriers	162.50	164.87	172.50	172.79	-	4.38	4.42	4.60	4.62	-
631	Life insurance	161.62	163.17	168.81	169.26	-	4.38	4.41	4.55	4.55	-
632	Accident and health insurance	154.60	156.94	165.35	168.52	-	4.09	4.13	4.34	4.40	-
633	Fire, marine, and casualty insurance	166.43	169.13	176.72	175.68	-	4.45	4.51	4.70	4.71	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
—	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.3	41.4	41.6	41.6	—	—	—	—	—	—
491	Electric companies and systems	41.2	41.6	41.7	41.6	—	—	—	—	—	—
492	Gas companies and systems	41.1	40.9	40.4	40.8	—	—	—	—	—	—
493	Combination companies and systems	41.5	41.6	42.0	42.4	—	—	—	—	—	—
494.7	Water, steam, and sanitary systems	41.0	41.1	42.1	41.6	—	—	—	—	—	—
—	WHOLESALE AND RETAIL TRADE	33.7	33.6	33.7	33.4	33.4	—	—	—	—	—
50	WHOLESALE TRADE	38.8	38.7	38.9	38.7	39.0	—	—	—	—	—
501	Motor vehicles and automotive equipment	39.4	39.2	39.5	38.6	—	—	—	—	—	—
502	Drugs, chemicals, and allied products	38.1	38.0	37.9	37.6	—	—	—	—	—	—
503	Dry goods and apparel	36.1	36.6	36.7	36.2	—	—	—	—	—	—
504	Groceries and related products	38.5	38.5	39.0	38.4	—	—	—	—	—	—
506	Electrical goods	40.1	40.1	39.2	39.6	—	—	—	—	—	—
507	Hardware, plumbing and heating equipment	38.5	38.3	38.4	38.4	—	—	—	—	—	—
508	Machinery, equipment, and supplies	39.9	39.8	39.9	39.9	—	—	—	—	—	—
509	Miscellaneous wholesalers	37.9	37.9	38.2	38.0	—	—	—	—	—	—
52-59	RETAIL TRADE	32.1	32.1	32.1	31.8	31.8	—	—	—	—	—
53	Retail general merchandise	31.1	31.0	31.1	30.7	—	—	—	—	—	—
30, 531	Department stores	30.5	30.3	30.8	30.4	—	—	—	—	—	—
532	Mail order houses	34.0	33.9	34.1	33.9	—	—	—	—	—	—
533	Variety stores	30.3	30.5	30.2	29.5	—	—	—	—	—	—
54	Food stores	32.3	32.4	33.1	32.3	—	—	—	—	—	—
541.3	Grocery, meat, and vegetable stores	32.5	32.7	33.4	32.7	—	—	—	—	—	—
56	Apparel and accessory stores	30.1	29.9	30.2	29.9	—	—	—	—	—	—
561	Men's and boys' clothing and furnishings	32.1	31.9	31.9	31.9	—	—	—	—	—	—
562	Women's ready-to-wear stores	29.3	28.9	29.0	28.7	—	—	—	—	—	—
565	Family clothing stores	30.0	30.0	30.8	30.6	—	—	—	—	—	—
566	Shoe stores	29.0	28.7	29.9	29.3	—	—	—	—	—	—
57	Furniture and home furnishings stores	36.3	36.3	36.4	36.3	—	—	—	—	—	—
571	Furniture and home furnishings	36.6	36.6	36.5	36.5	—	—	—	—	—	—
58	Eating and drinking places ⁶	28.2	28.1	27.9	27.6	—	—	—	—	—	—
52,55,59	Other retail trade	36.5	36.4	36.4	36.2	—	—	—	—	—	—
52	Building materials and farm equipment	39.4	38.9	39.8	39.7	—	—	—	—	—	—
551.2	Motor vehicle dealers	39.6	39.6	39.6	39.5	—	—	—	—	—	—
553.9	Other automotive and accessory dealers	39.9	39.7	39.7	39.5	—	—	—	—	—	—
591	Drug stores and proprietary stores	31.0	31.1	31.0	30.6	—	—	—	—	—	—
594	Book and stationery stores	32.4	32.9	33.2	32.7	—	—	—	—	—	—
598	Fuel and ice dealers	39.8	39.5	39.3	39.8	—	—	—	—	—	—
—	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.4	36.6	36.6	36.7	36.6	—	—	—	—	—
60	Banking	36.3	36.8	36.5	36.5	—	—	—	—	—	—
61	Credit agencies other than banks	37.3	37.3	37.2	37.2	—	—	—	—	—	—
612	Savings and loan associations	37.2	37.0	36.6	36.8	—	—	—	—	—	—
62	Security, commodity brokers and services	37.9	37.5	38.4	(*)	—	—	—	—	—	—
63	Insurance carriers	37.1	37.3	37.5	37.4	—	—	—	—	—	—
631	Life insurance	36.9	37.0	37.1	37.2	—	—	—	—	—	—
632	Accident and health insurance	37.8	38.0	38.1	38.3	—	—	—	—	—	—
633	Fire, marine, and casualty insurance	37.4	37.5	37.6	37.3	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976, p	Nov. 1976, p	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976, p	Nov. 1976, p
-	SERVICES	\$139.78	\$142.21	\$148.41	\$148.30	\$149.63	\$4.16	\$4.22	\$4.43	\$4.44	\$4.48
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	91.27	92.27	96.39	97.64	-	2.87	2.92	3.06	3.08	-
	Personal services:										
721	Laundries and dry cleaning plants	108.11	107.80	115.83	116.51	-	3.08	3.08	3.30	3.31	-
722	Photographic studios	110.10	118.76	118.33	126.70	-	3.21	3.27	3.47	3.50	-
	Motion pictures:										
781	Motion picture filming and distributing ...	265.32	261.30	281.22	275.78	-	6.70	6.70	6.76	6.71	-
806	Hospitals	133.96	138.85	145.94	145.01	-	3.94	4.06	4.23	4.24	-

¹ For coverage of series, see footnote 1, table B-2.
² Beginning January 1965, data relate to line haul railroads with operating revenues of \$5,000,000 or more.
³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1975, such employees made up 30 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.
⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1975, such employees made up 47 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.
⁵ Data relate to nonsupervisory employees except messengers.
⁶ Money payments only; tips, not included.
⁷ Data for nonoffice sales agents excluded from all series in this division.
^{*} Not available.
^{**} Data for Telegraph Communication SIC 482 for August 1976 are: \$277.69, 41.2, and \$6.74.
p=preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Oct. 1975	Nov. 1975	Sept. 1976	Oct. p 1976	Nov. p 1976	Oct. 1975	Nov. 1975	Sept. 1976	Oct. p 1976	Nov. p 1976
—	SERVICES	33.6	33.7	33.5	33.4	33.4	—	—	—	—	—
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	31.8	31.6	31.5	31.7	—	—	—	—	—	—
	Personal services:										
721	Laundries and dry cleaning plants	35.1	35.0	35.1	35.2	—	—	—	—	—	
722	Photographic studios	34.3	35.4	34.1	36.2	—	—	—	—	—	
	Motion pictures:										
781	Motion picture filming and distributing	39.6	39.0	41.6	41.1	—	—	—	—	—	
806	Hospitals	34.0	34.2	34.5	34.2	—	—	—	—	—	

¹ As noted on page 7 of the January 1972 issue of this magazine, the series does not include earned pay withheld as a consequence of delays caused by the wage freeze in effect between August 15 and November 14, 1971, and by administrative procedures of the Pay Board. These delays resulted from compliance with the Government's Economic Stabilization Program. Because these withheld payments were substantial and fell due under a significant number of new labor-management contracts in that industry, they affected a large proportion

of SIC 372.

The series shown below include these payments as well as an additional 17 cents delayed payment for employees in a number of companies which had been pending as a consequence of litigation.

These payments were due under labor-management contracts the last of which expired in November 1973.

Average hourly earnings September 1971–November 1973 (revised to March 1974 benchmarks)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
SIC 372													
1971	\$4.36	—	—	—	—	—	—	—	—	\$4.42	\$4.46	\$4.51	\$4.62
1972	4.74	\$4.60	\$4.60	\$4.64	\$4.70	\$4.71	\$4.72	\$4.71	\$4.79	4.80	4.83	4.87	4.93
1973	5.02	4.90	4.91	4.92	4.92	4.94	4.96	4.98	5.05	5.06	5.12	5.15	—
SIC 3721													
1971	4.42	—	—	—	—	—	—	—	—	4.51	4.56	4.63	4.73
1972	4.85	4.72	4.68	4.74	4.83	4.82	4.83	4.79	4.89	4.90	4.94	4.99	5.04
1973	5.13	5.00	5.04	5.06	5.03	5.08	—	—	—	—	—	—	—
SIC 3722													
1971	4.38	—	—	—	—	—	—	—	—	4.38	4.43	4.48	4.64
1972	4.76	4.61	4.64	4.65	4.66	4.70	4.71	4.77	4.82	4.83	4.85	4.87	5.01
1973	5.06	4.96	4.95	4.96	—	—	—	—	—	—	—	—	—
SIC 3723, 9													
1971	4.17	—	—	—	—	—	—	—	—	4.24	4.24	4.24	4.33
1972	4.44	4.28	4.33	4.38	4.40	4.45	4.46	4.45	4.47	4.50	4.50	4.54	4.56
1973	4.68	4.56	4.53	4.58	4.60	4.59	4.64	4.66	4.71	4.74	4.78	4.84	—

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	1974							1975					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Executive Branch													
Total employment	2,710.4	2,737.8	2,713.7	2,680.8	2,673.1	2,676.5	2,711.0	2,663.9	2,673.5	2,677.8	2,685.1	2,694.0	2,722.4
Average weekly hours	39.3	-	39.5	39.5	39.6	-	40.8	39.2	39.3	39.3	-	39.1	39.3
Average overtime hours	1.1	-	1.1	1.1	1.2	-	2.4	.9	.9	.9	-	.9	1.0
Indexes (1967=100):													
Average weekly earnings	171.7	-	-	172.3	173.6	-	190.3	180.4	181.4	181.4	-	182.1	182.2
Average hourly earnings	172.2	-	-	171.9	172.7	-	183.8	181.4	181.9	181.9	-	183.5	182.7
Department of Defense													
Total employment	988.4	990.3	977.8	962.9	959.7	960.0	957.8	953.1	952.1	951.3	951.4	954.6	968.0
Average weekly hours	39.9	-	39.9	39.9	40.1	40.0	40.1	39.7	39.7	39.9	-	39.8	39.8
Average overtime hours . . . . .	.9	-	.9	.8	.8	.9	.8	.7	.7	.7	-	.7	.8
Indexes (1967=100):													
Average weekly earnings	172.9	-	-	164.8	167.0	174.4	175.7	175.8	176.9	177.2	-	178.7	177.9
Average hourly earnings	174.7	-	-	166.5	167.8	175.7	176.6	178.5	179.6	179.0	-	180.9	180.1
Postal service													
Total employment	704.4	703.9	701.8	697.0	695.7	700.7	740.5	697.4	696.1	694.6	694.2	693.2	696.3
Average weekly hours	38.8	39.1	39.2	39.8	40.6	39.3	45.1	39.2	39.1	39.1	38.6	38.6	38.8
Average overtime hours . . . . .	.9	1.0	1.1	1.4	1.9	1.5	6.7	1.3	1.1	1.1	.7	.7	.8
Indexes (1967=100):													
Average weekly earnings	183.3	188.1	192.3	195.8	201.1	201.1	243.6	200.6	199.8	200.1	197.3	201.8	202.9
Average hourly earnings	182.3	185.7	189.3	189.9	191.2	197.6	208.5	197.6	197.3	197.6	197.3	201.8	201.8
Other agencies													
Total employment	1,017.6	1,043.6	1,034.1	1,020.9	1,017.7	1,015.8	1,012.7	1,013.4	1,025.3	1,031.9	1,039.5	1,046.2	1,058.1
Average weekly hours	39.0	-	39.1	38.9	38.5	-	38.5	38.7	38.9	38.9	-	38.8	39.2
Average overtime hours	1.4	-	1.3	1.3	1.1	-	.8	1.0	1.0	1.1	-	1.1	1.2
Indexes (1967=100):													
Average weekly earnings	164.0	-	-	166.3	164.8	-	174.1	173.8	175.0	175.0	-	174.5	175.3
Average hourly earnings	163.1	-	-	165.8	166.1	-	175.5	174.3	174.5	174.5	-	174.5	173.5

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of the executive branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these

averages relate to hours and earnings of all workers, both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^p	Nov. 1976 ^p
MANUFACTURING	\$4.72	\$4.76	\$5.09	\$5.08	\$5.15
DURABLE GOODS	5.08	5.11	5.43	5.41	5.48
Ordnance and accessories	5.24	5.26	5.69	5.69	-
Lumber and wood products	4.24	4.24	4.66	4.66	-
Furniture and fixtures	3.70	3.71	3.94	3.94	-
Stone, clay, and glass products	4.78	4.83	5.15	5.16	-
Primary metal industries	6.14	6.23	6.66	6.64	-
Fabricated metal products	5.01	5.04	5.31	5.27	-
Machinery, except electrical	5.32	5.34	5.63	5.62	-
Electrical equipment and supplies	4.54	4.57	4.87	4.89	-
Transportation equipment	6.00	6.02	6.31	6.28	-
Instruments and related products	4.49	4.52	4.78	4.80	-
Miscellaneous manufacturing industries	3.72	3.76	3.91	3.94	-
NONDURABLE GOODS	4.25	4.28	4.61	4.62	4.66
Food and kindred products	4.42	4.48	4.76	4.81	-
Tobacco manufactures	4.16	4.24	4.58	4.58	-
Textile mill products	3.36	3.37	3.64	3.66	-
Apparel and other textile products	3.18	3.18	3.43	3.44	-
Paper and allied products	4.88	4.94	5.27	5.27	-
Printing and publishing	(²)	(²)	(²)	(²)	-
Chemicals and allied products	5.30	5.37	5.79	5.81	-
Petroleum and coal products	6.32	6.39	6.94	6.90	-
Rubber and plastics products, nec	4.25	4.28	4.62	4.62	-
Leather and leather products	3.15	3.18	3.41	3.40	-

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

p = preliminary.

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

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

Industry	Gross average weekly earnings			Spendable average weekly earnings					
	Oct. 1975	Sept. 1976	Oct. 1976 ^P	Worker with no dependents			Worker with three dependents		
				Oct. 1975	Sept. 1976	Oct. 1976 ^P	Oct. 1975	Sept. 1976	Oct. 1976 ^P
TOTAL PRIVATE:									
Current dollars	\$ 168.69	\$ 179.55	\$ 179.91	\$ 137.06	\$ 146.26	\$ 146.52	\$ 151.85	\$ 158.95	\$ 159.22
1967 dollars	102.48	104.03	103.81	83.27	84.74	84.55	92.25	92.09	91.88
MINING:									
Current dollars	259.46	289.08	289.08	202.35	225.67	225.67	220.14	242.21	242.21
1967 dollars	157.63	167.49	166.81	122.93	130.75	130.22	133.74	140.33	139.76
CONTRACT CONSTRUCTION:									
Current dollars	278.25	287.41	300.25	216.48	224.50	233.34	235.11	240.94	251.01
1967 dollars	169.05	166.52	173.25	131.52	130.07	134.65	142.84	139.59	144.84
MANUFACTURING:									
Current dollars	195.51	212.93	211.20	155.56	170.54	169.24	171.69	184.04	182.74
1967 dollars	118.78	123.37	121.87	94.51	98.81	97.66	104.31	106.63	105.45
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	244.99	265.06	265.06	191.90	208.53	208.53	208.93	223.87	223.87
1967 dollars	148.84	153.57	152.95	116.59	120.82	120.33	126.93	129.70	129.18
WHOLESALE AND RETAIL TRADE:									
Current dollars	128.73	136.15	135.60	108.02	114.16	113.74	121.20	127.13	126.75
1967 dollars	78.21	78.88	78.25	65.63	66.14	65.63	73.63	73.66	73.14
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	151.79	160.67	161.48	124.88	132.58	133.19	139.02	144.48	145.10
1967 dollars	92.22	93.09	93.18	75.87	76.81	76.86	84.46	83.71	83.73
SERVICES:									
Current dollars	139.78	148.41	148.30	116.10	123.37	123.29	131.38	135.48	135.41
1967 dollars	84.92	85.98	85.57	70.53	71.48	71.14	79.82	78.49	78.14
CONSUMER PRICE INDEX (All items, 1967 = 100)	164.6	172.6	173.3	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

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

p = preliminary (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

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

[1967 = 100]

Industry division and group	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
	Hours				
TOTAL	109.7	109.5	113.2	112.8	113.1
GOODS-PRODUCING	95.4	94.4	98.9	98.0	97.8
MINING	124.7	124.5	133.5	134.5	136.2
CONTRACT CONSTRUCTION	107.4	100.3	103.2	107.5	100.5
MANUFACTURING	92.3	92.3	96.9	95.1	96.0
DURABLE GOODS	89.1	89.4	95.4	93.6	95.7
Ordnance and accessories	43.3	41.6	39.0	38.9	39.9
Lumber and wood products	93.7	90.0	101.7	102.2	99.0
Furniture and fixtures	100.1	101.1	104.9	105.6	103.9
Stone, clay, and glass products	98.4	97.2	102.4	102.8	101.8
Primary metal industries	81.2	81.4	90.1	85.7	86.6
Fabricated metal products	94.4	94.6	100.9	98.8	101.6
Machinery, except electrical	91.4	92.6	96.2	93.5	97.0
Electrical equipment and supplies	87.2	87.6	93.3	94.1	96.1
Transportation equipment	84.0	85.4	92.8	88.6	94.7
Instruments and related products	101.7	103.4	108.6	108.5	111.1
Miscellaneous manufacturing	97.3	95.8	97.3	98.0	97.0
NONDURABLE GOODS	97.0	96.5	99.1	97.3	96.5
Food and kindred products	101.9	97.2	108.4	102.3	97.2
Tobacco manufactures	101.3	104.1	94.8	96.3	89.9
Textile mill products	98.0	98.8	96.3	95.6	95.8
Apparel and other textile products	91.7	92.1	88.3	88.2	88.7
Paper and allied products	93.1	93.9	98.2	96.6	97.3
Printing and publishing	92.6	93.0	94.2	93.7	94.0
Chemicals and allied products	97.3	97.7	101.2	99.5	99.9
Petroleum and coal products	112.6	112.5	116.8	115.3	111.9
Rubber and plastics products, nec	115.8	116.0	127.7	128.1	128.7
Leather and leather products	76.4	77.8	72.0	70.6	71.4
SERVICE-PRODUCING	119.6	120.0	123.2	123.0	123.7
TRANSPORTATION AND PUBLIC UTILITIES	102.4	101.8	104.2	103.5	103.6
WHOLESALE AND RETAIL TRADE	116.3	116.3	118.6	118.0	119.7
WHOLESALE TRADE	113.0	112.6	115.5	115.6	117.1
RETAIL TRADE	116.2	117.6	119.8	118.9	120.6
FINANCE, INSURANCE, AND REAL ESTATE	123.9	124.5	127.8	128.3	128.5
SERVICES	132.1	132.1	136.8	137.0	136.9

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

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

[1967 = 100]

Industry division and group	Oct. 1975	Nov. 1975	Sept. 1976	Oct. 1976 ^P	Nov. 1976 ^P
	Payrolls				
TOTAL	190.8	191.4	209.9	209.5	211.0
GOODS-PRODUCING	168.9	167.4	187.5	186.1	186.6
MINING	235.5	238.5	276.3	276.9	282.0
CONTRACT CONSTRUCTION	193.8	181.6	196.1	205.5	191.4
MANUFACTURING	160.0	161.0	181.8	177.7	181.7
DURABLE GOODS	156.0	157.5	179.8	175.3	181.9
Ordnance and accessories	73.5	71.0	71.6	71.7	74.5
Lumber and wood products	175.1	167.8	209.1	210.6	205.4
Furniture and fixtures	164.1	166.0	182.5	183.9	182.1
Stone, clay, and glass products	175.1	174.5	197.3	198.2	198.0
Primary metal industries	154.4	156.7	187.7	176.8	180.8
Fabricated metal products	164.6	165.9	187.9	182.0	190.4
Machinery, except electrical	157.8	161.0	176.9	171.5	179.8
Electrical equipment and supplies	146.6	148.4	168.9	171.0	176.2
Transportation equipment	152.7	155.4	180.3	170.2	185.6
Instruments and related products	164.4	168.4	187.8	188.3	194.3
Miscellaneous manufacturing	158.6	157.7	166.4	169.1	168.2
NONDURABLE GOODS	166.8	166.9	185.2	181.7	181.2
Food and kindred products	179.5	173.0	206.2	195.3	186.9
Tobacco manufactures	190.9	202.0	194.5	199.0	193.8
Textile mill products	168.1	169.7	176.9	176.3	177.2
Apparel and other textile products	146.4	147.5	151.7	152.0	153.8
Paper and allied products	166.9	170.4	190.8	187.0	189.8
Printing and publishing	155.0	155.3	166.4	164.9	165.8
Chemicals and allied products	172.5	175.1	196.8	193.5	196.0
Petroleum and coal products	208.1	209.5	236.0	231.6	226.0
Rubber and plastics products, nec	186.3	187.6	225.5	225.7	230.4
Leather and leather products	120.2	123.5	121.2	118.6	120.7
SERVICE-PRODUCING	209.6	212.1	229.3	229.5	232.0
TRANSPORTATION AND PUBLIC UTILITIES	194.4	194.8	212.9	211.5	212.5
WHOLESALE AND RETAIL TRADE	196.8	198.9	213.8	213.7	217.8
WHOLESALE TRADE	195.4	196.6	211.0	212.0	216.8
RETAIL TRADE	197.5	200.1	215.3	214.7	218.4
FINANCE, INSURANCE, AND REAL ESTATE	200.0	204.5	217.1	218.7	219.7
SERVICES	239.9	243.6	264.5	265.9	267.8

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

p = preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P
TOTAL PRIVATE	36.3	36.4	36.4	36.4	36.2	36.1	36.3	36.2	36.2	36.1	36.0	36.1	36.2
MINING	42.7	42.9	43.0	43.0	42.8	42.8	42.4	42.2	42.6	41.2	43.5	43.5	43.7
CONTRACT CONSTRUCTION	36.9	37.2	37.6	37.7	36.0	37.4	37.1	37.3	36.9	36.8	35.9	37.3	37.2
MANUFACTURING	39.9	40.3	40.4	40.3	40.3	39.4	40.3	40.2	40.1	40.0	39.7	39.8	40.1
<i>Overtime hours</i>	2.9	3.0	3.1	3.1	3.1	2.6	3.3	3.2	3.1	3.0	3.0	2.9	3.1
DURABLE GOODS	40.3	40.7	40.8	40.7	40.7	39.8	40.9	40.9	40.9	40.8	40.2	40.4	40.8
<i>Overtime hours</i>	2.7	2.9	2.9	3.0	3.1	2.5	3.4	3.4	3.3	3.1	3.0	3.0	3.3
Ordnance and accessories	41.5	41.3	41.3	40.8	40.8	39.7	40.8	41.1	40.9	40.7	40.1	40.6	40.0
Lumber and wood products	39.6	40.1	40.9	40.3	40.0	40.0	40.1	39.8	40.6	40.2	39.8	40.4	40.4
Furniture and fixtures	39.1	39.4	39.3	39.3	39.2	38.4	39.0	38.6	38.6	38.5	38.0	38.5	38.4
Stone, clay, and glass products	40.9	41.2	41.4	41.4	40.8	41.1	41.4	41.4	41.0	41.1	40.9	41.4	41.6
Primary metal industries	40.0	40.2	40.3	40.6	40.6	40.6	41.0	41.2	41.2	40.9	40.3	40.0	40.4
Fabricated metal products	40.5	41.0	40.9	40.9	40.9	39.6	41.0	41.0	41.0	41.0	40.6	40.4	41.1
Machinery, except electrical	40.9	41.0	41.2	41.1	41.1	40.2	41.2	41.2	41.5	41.4	40.8	41.0	41.3
Electrical equipment and supplies	39.7	40.0	40.3	40.2	40.1	39.1	40.2	40.1	40.1	40.1	39.7	40.0	40.5
Transportation equipment	41.0	41.9	41.7	41.8	42.2	39.8	42.4	42.5	42.0	41.9	41.1	41.1	42.0
Instruments and related products	39.9	40.3	40.4	40.2	40.5	39.6	40.8	40.5	40.8	40.4	39.9	40.3	40.7
Miscellaneous manufacturing, Ind.	38.7	39.0	39.0	38.7	38.8	38.0	38.7	38.5	38.8	38.5	38.2	38.7	38.9
NONDURABLE GOODS	39.5	39.7	39.8	39.7	39.6	38.9	39.5	39.3	39.1	38.9	39.0	39.0	39.2
<i>Overtime hours</i>	3.1	3.2	3.3	3.2	3.2	2.8	3.1	2.9	2.9	2.8	2.9	2.8	2.9
Food and kindred products	40.4	40.5	40.6	40.4	40.3	40.1	40.2	40.1	40.0	40.1	40.2	40.3	40.3
Tobacco manufactures	39.2	38.0	39.0	39.2	39.0	38.6	38.6	38.3	35.0	36.8	37.1	37.5	36.9
Textile mill products	41.0	41.2	41.2	40.9	40.9	39.3	40.6	40.3	40.2	39.3	39.0	39.4	39.6
Apparel and other textile products	36.1	36.5	36.5	36.4	36.3	34.9	36.0	35.8	35.5	35.2	34.9	35.0	35.4
Paper and allied products	42.4	42.8	42.6	42.8	42.6	42.1	42.8	42.4	42.3	42.1	42.2	42.0	42.1
Printing and publishing	37.2	37.5	37.7	37.5	37.4	37.2	37.6	37.5	37.7	37.5	37.4	37.4	37.4
Chemicals and allied products	41.4	41.6	41.6	41.7	41.6	41.7	41.6	41.5	41.4	41.3	41.9	41.5	41.8
Petroleum and coal products	41.9	41.9	42.4	42.3	42.2	42.2	42.2	42.0	42.2	42.3	42.2	41.9	41.3
Rubber and plastics products, nec	40.1	40.6	40.8	40.7	40.8	39.6	40.7	40.3	40.3	40.0	40.5	41.1	41.1
Leather and leather products	38.5	38.8	38.8	38.4	38.3	37.7	38.2	37.0	37.0	36.7	36.5	36.3	36.5
TRANSPORTATION AND PUBLIC UTILITIES	39.6	39.9	39.6	39.8	39.9	39.8	39.7	39.8	39.8	40.0	39.9	39.9	39.9
WHOLESALE AND RETAIL TRADE	33.8	33.9	34.0	33.8	33.7	34.0	33.7	33.6	33.7	33.6	33.6	33.5	33.7
WHOLESALE TRADE	38.7	38.8	38.9	38.8	38.7	38.9	38.8	38.8	39.1	38.9	38.8	38.7	39.0
RETAIL TRADE	32.4	32.4	32.5	32.3	32.2	32.5	32.2	32.0	32.1	32.0	32.1	32.0	32.1
FINANCE, INSURANCE, AND REAL ESTATE	36.7	36.4	36.5	36.6	36.5	36.6	36.8	36.6	36.6	36.8	36.7	36.7	36.7
SERVICES	33.8	33.7	33.7	33.7	33.5	33.5	33.6	33.4	33.4	33.5	33.5	33.5	33.5

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

p = preliminary.

C-8. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. ^P	Nov. ^P
Average hourly earnings													
TOTAL PRIVATE	\$4.67	\$4.68	\$4.72	\$4.74	\$4.77	\$4.79	\$4.83	\$4.85	\$4.88	\$4.90	\$4.92	\$4.94	\$4.99
MINING	6.11	6.13	6.19	6.25	6.29	6.32	6.36	6.33	6.44	6.34	6.60	6.63	6.60
CONTRACT CONSTRUCTION	7.40	7.45	7.48	7.47	7.57	7.57	7.66	7.68	7.77	7.74	7.71	7.77	7.78
MANUFACTURING	4.93	4.96	5.00	5.04	5.08	5.08	5.13	5.16	5.21	5.25	5.29	5.29	5.35
TRANSPORTATION AND PUBLIC UTILITIES	6.17	6.17	6.23	6.29	6.33	6.38	6.44	6.47	6.48	6.52	6.54	6.56	6.61
WHOLESALE AND RETAIL TRADE	3.84	3.84	3.87	3.88	3.90	3.92	3.94	3.96	3.99	4.00	4.03	4.05	4.08
FINANCE, INSURANCE, AND REAL ESTATE	4.26	4.23	4.25	4.30	4.30	4.33	4.36	4.34	4.37	4.43	4.39	4.42	4.44
SERVICES	4.20	4.21	4.24	4.26	4.27	4.30	4.34	4.36	4.36	4.39	4.40	4.43	4.47
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	169.52	170.35	171.81	172.54	172.67	172.92	175.33	175.57	176.66	176.89	177.12	178.33	180.64
1967 dollars	102.43	102.37	102.82	103.13	103.03	102.74	103.56	103.22	103.37	102.96	102.68	103.02	-
Real spendable earnings (worker and 3 dependents, 1967 dollars)	92.13	92.02	91.60	91.83	91.73	91.46	92.01	91.69	91.74	91.36	91.09	91.29	-

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

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

[1967 = 100]

Industry division and group	1975		1976										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. P	Nov. P
TOTAL	108.6	109.3	110.1	110.4	110.4	110.8	111.3	110.9	111.1	111.0	111.4	111.3	112.1
GOODS-PRODUCING	92.8	94.0	95.2	95.2	95.2	94.8	96.3	95.9	95.6	94.8	94.9	94.9	96.2
MINING	123.3	124.9	125.2	125.0	125.7	125.9	124.7	125.0	127.7	115.6	131.7	132.1	134.7
CONTRACT CONSTRUCTION	97.9	98.1	99.6	98.5	94.1	99.0	97.8	97.6	97.2	95.9	92.8	97.4	98.1
MANUFACTURING	90.9	92.2	93.4	93.6	94.3	93.0	95.1	94.6	94.2	93.9	94.0	93.2	94.6
DURABLE GOODS	88.1	89.6	91.0	91.4	92.4	90.9	94.0	93.8	93.5	93.6	93.2	92.0	94.3
Ordnance and accessories	40.6	42.1	41.5	41.0	41.0	39.9	41.0	40.7	40.0	39.8	38.6	38.5	39.1
Lumber and wood products	91.4	93.2	97.0	96.0	95.8	96.0	96.6	96.1	98.6	97.6	98.2	99.7	100.7
Furniture and fixtures	98.9	100.7	101.3	103.1	103.6	102.7	105.1	103.3	102.3	101.2	102.4	102.8	101.7
Stone, clay, and glass products	96.0	96.5	97.7	97.4	96.5	98.6	99.5	99.7	99.2	98.6	98.9	99.5	100.4
Primary metal industries	81.7	82.8	83.6	84.8	86.0	86.8	88.3	89.2	90.1	89.8	88.8	86.0	86.8
Fabricated metal products	92.9	94.5	95.3	96.4	97.2	94.9	98.7	98.4	98.0	98.6	98.6	96.8	99.8
Machinery, except electrical	91.7	91.8	92.8	93.0	93.3	91.7	94.9	94.5	95.9	95.9	95.9	93.7	96.0
Electrical equipment and supplies	85.8	87.2	88.6	89.3	90.4	89.0	92.2	91.9	90.5	92.2	91.5	92.2	94.1
Transportation equipment	83.6	87.4	89.2	89.2	91.8	86.9	92.8	92.6	90.3	90.7	89.1	86.4	92.6
Instruments and related products	101.3	103.0	104.7	105.2	106.7	105.7	109.6	109.1	110.3	108.1	107.2	107.5	108.6
Miscellaneous manufacturing, Ind.	91.1	91.2	94.4	94.3	95.4	93.1	95.4	94.7	93.1	91.8	92.2	92.0	92.4
NONDURABLE GOODS	95.0	95.9	96.8	96.8	97.1	96.0	96.6	95.8	95.2	94.2	95.2	94.9	95.0
Food and kindred products	95.3	95.5	96.7	96.8	96.0	96.1	96.6	96.8	97.0	96.5	96.4	96.4	95.4
Tobacco manufactures	92.2	88.1	89.0	88.1	84.9	85.4	85.4	83.4	82.3	84.0	82.1	83.0	79.0
Textile mill products	97.9	98.5	99.1	99.0	99.3	96.1	99.9	98.6	98.0	95.5	95.2	95.0	94.8
Apparel and other textile products	90.1	91.9	92.7	92.2	92.6	89.3	92.0	91.4	88.9	97.6	86.2	85.6	86.7
Paper and allied products	92.6	94.5	95.2	95.8	96.1	95.9	98.1	97.3	96.9	96.1	96.5	95.3	95.9
Printing and publishing	92.2	92.9	93.1	92.6	92.7	92.3	93.6	93.1	93.6	92.9	93.1	93.1	93.1
Chemicals and allied products	97.2	97.5	98.4	99.4	99.4	100.1	100.0	99.0	99.4	99.8	100.3	99.0	99.5
Petroleum and coal products	111.4	111.4	113.6	114.2	113.9	115.6	113.9	111.6	112.2	112.4	112.2	112.2	110.6
Rubber and plastics products, nec	113.3	115.9	117.7	117.9	121.7	121.3	108.8	107.0	106.2	105.2	124.3	125.9	125.9
Leather and leather products	77.1	78.3	79.7	79.2	79.3	78.4	79.8	76.0	74.7	72.5	72.1	70.8	70.9
SERVICE-PRODUCING	119.6	119.9	120.5	120.9	121.0	121.9	121.6	121.2	121.8	122.2	122.8	122.6	123.1
TRANSPORTATION AND PUBLIC UTILITIES	101.3	101.9	101.3	102.3	102.5	102.4	101.9	101.6	102.1	102.5	102.9	102.3	102.9
WHOLESALE AND RETAIL TRADE	115.0	115.5	116.6	116.8	117.0	118.4	117.5	117.0	117.8	117.6	118.3	117.9	118.2
WHOLESALE TRADE	111.6	112.4	113.2	113.4	113.2	114.3	114.3	114.1	115.3	114.7	114.9	114.8	116.2
RETAIL TRADE	116.2	116.6	117.9	118.0	118.4	120.0	118.8	118.1	118.8	118.7	119.6	119.0	119.0
FINANCE, INSURANCE, AND REAL ESTATE	125.1	124.5	125.1	125.4	125.5	126.1	126.3	126.3	126.6	127.3	127.7	128.3	129.2
SERVICES	132.7	132.8	133.3	133.9	133.7	134.3	134.9	134.6	135.0	136.2	136.8	136.8	137.4

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

p = preliminary.

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

Industry division	Annual rate Millions of hours ²			Percent change ³		
	SEPTEMBER 1976	OCTOBER 1976p	NOVEMBER 1976p	November 1975 to November 1976	September 1976 to October 1976	October 1976 to November 1976
TOTAL - ALL INDUSTRIES	151,502	151,948	152,673	3.0	3.6	5.9
TOTAL - PRIVATE	121,674	121,658	122,458	3.1	-0.2	8.2
MINING	1,805	1,816	1,847	9.3	7.8	22.6
CONTRACT CONSTRUCTION	6,216	6,490	6,529	-0.1	67.6	7.4
MANUFACTURING	39,359	39,133	39,569	3.5	-6.7	14.2
TRANSPORTATION AND PUBLIC UTILITIES	9,395	9,345	9,395	1.8	-6.2	6.6
WHOLESALE AND RETAIL TRADE	30,912	30,794	30,903	2.8	-4.5	4.4
FINANCE, INSURANCE, AND REAL ESTATE	8,279	8,323	8,370	3.2	6.6	7.1
SERVICES	25,708	25,757	25,844	3.6	2.3	4.1
GOVERNMENT	29,828	30,291	30,216	2.5	20.3	-2.9

¹ Data refer to hours paid for 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—Chapter 25. Output Per Man-Hour Measures, Private Economy.*

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

³ Percent change compounded at annual rates.
p = preliminary.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1974				1975				1976		
	1974	1975	I	II	III	IV	I	II	III	IV	I	II	III
Private business sector:													
Output per hour of all persons	109.2	111.5	110.5	109.4	108.7	107.6	108.1	111.4	113.6	113.2	115.3	116.3	117.2r
Output	120.8	118.1	123.0	121.8	120.6	117.7	114.2	116.7	120.1	121.2r	124.2	125.8	126.9r
Hours	110.6	105.9	111.3	111.3	110.9	109.3	105.7	104.8	105.7	107.0r	107.7	108.2	108.2
Compensation per hour	164.3	180.2	157.1	161.8	166.7	170.7	176.0	179.0	181.3	185.0	189.8	193.3	196.7
Real compensation per hour	111.2	111.8	110.9	111.3	111.3	110.7	112.0	112.2	111.3	111.8	113.4	114.2	114.5r
Unit labor costs	150.4	161.6	142.1	147.9	153.3	158.6	162.9	160.7	159.5	163.4	164.7	166.1	167.8r
Unit nonlabor payments	131.1	149.5	128.4	129.4	131.9	134.9	138.6	146.6	156.2	156.2	156.1	159.3	160.8r
Implicit price deflator	143.8	157.5	137.4	141.5	146.0	150.4	154.5	155.9	158.4	160.9	161.7	163.8	165.4
Nonfarm business sector:													
Output per hour of all persons	107.5	109.4	109.3	107.6	106.7	105.7	106.0	109.2	111.6	111.0	112.6	114.1	114.9r
Output	121.1	118.0	123.7	122.1	121.0	117.9	114.4	116.6	119.9	121.3	124.3	126.0	127.1r
Hours	112.7	107.9	113.2	113.5	113.3	111.5	107.9	106.7	107.4	109.2	110.4	110.4	110.6r
Compensation per hour	162.0	177.7	155.3	159.6	164.0	168.3	173.1	176.4	179.3	182.2	186.4	190.4	193.4
Real compensation per hour	109.7	110.2	109.7	109.7	109.5	109.2	110.1	110.5	110.1	110.1	111.4	112.5	112.7r
Unit labor costs	150.8	162.4	142.1	148.3	153.6	159.3	163.3	161.6	160.6	164.1	165.5	166.9	168.5r
Unit nonlabor payments	125.2	144.7	120.3	124.2	127.0	129.7	136.0	142.2	149.9	150.1	152.4	153.9	157.7r
Implicit price deflator	142.0	156.4	134.7	140.1	144.6	149.2	154.0	155.0	157.0	159.3	161.0	162.5	164.8
Manufacturing:													
Output per hour of all persons	114.7	114.9	114.7	115.5	115.5	112.6	109.0	113.1	118.6	119.4	120.9	123.5	124.9r
Output	116.8	106.3	119.0	118.5	118.5	111.5	100.8	102.7	109.5	112.6	116.5	119.0	120.7r
Hours	101.8	92.5	103.7	102.6	102.6	99.0	92.5	90.8	92.3	94.3	96.3	96.4	96.6
Compensation per hour	161.7	179.8	153.8	159.1	163.5	169.6	175.9	179.1	180.7	183.6	187.9	192.3	194.6r
Real compensation per hour	109.5	111.5	108.6	109.4	109.2	110.1	111.9	112.2	111.0	111.0	112.3	113.7	113.3
Unit labor costs	140.9	156.4	134.1	137.7	141.6	150.7	161.3	158.3	152.3	153.7	155.4	155.8	155.8r
Nonfinancial corporations:													
Output per all-employee hour	112.6r	115.9	114.6	113.6	111.9	110.8	111.7	115.8	118.2	117.8	119.1	120.6	121.4p
Output	128.0	124.0	131.4	129.7	127.7	123.7	119.7	122.4	126.2	127.5	130.8	133.0	134.1p
Hours	113.6	107.0	114.6	114.2	114.1	111.7	107.1	105.7	106.8	108.3	109.8	110.3	110.5p
Compensation per hour	167.2	184.8	160.4	165.0	169.4	174.2	180.2	183.5	186.1	189.4	193.5	197.4	200.5p
Real compensation per hour	113.2	114.7	113.3	113.4	113.2	113.0	114.6	115.0	114.3	114.5	115.7	116.7	116.8p
Total unit costs	152.0	166.8	142.4	148.5	155.2	162.0	167.4	165.9	165.4	168.7	169.6	171.0	172.7p
Unit labor costs	148.4	159.4	139.9	145.2	151.4	157.3	161.3	158.4r	157.5	160.8	162.5	163.7	165.2p
Unit nonlabor costs	163.1	189.8	150.1	158.4	167.2	176.8	186.5	189.2	190.2	193.4	191.9	193.8	196.1p
Unit profits	69.2	87.0	75.1	74.4	66.4	60.2	61.6	82.4	102.0	100.5	106.0	107.1	112.1p
Implicit price deflator	139.7	155.0	132.4	137.5	142.0	146.9	151.7	153.5	156.0	158.6	160.2	161.5	163.7p

p= preliminary.
r= revised.

NOTE: This table does not reflect the new seasonally adjusted establishment data. The new seasonal factors will be incorporated in fourth quarter measures released by the Office of Productivity and Technology on January 26, 1977.

**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					
	I 1975	II 1975	III 1975	IV 1975	I 1976	II 1976	II 1974	III 1974	IV 1974	I 1975	II 1975	III 1975
	to II 1975	to III 1975	to IV 1975	to I 1976	to II 1976	to III 1976	to II 1973	to III 1975	to IV 1975	to I 1976	to II 1976	to III 1976
Private business sector:												
Output per hour of all persons	12.7	8.5	-1.5	7.4r	3.8	3.1r	1.7	4.5	5.2	6.6	4.5	3.2r
Output	8.9	12.3	3.6	10.2	5.5	3.4r	-4.2	-0.4	3.0	8.7	7.8	5.6r
Hours	-3.3	3.5	5.2	2.6r	1.6	0.2	-5.9	-4.7	-2.1	1.9	3.2	2.4
Compensation per hour	6.9	5.2	8.3	10.9	7.5	7.3r	10.6	8.8	8.4	7.8	8.0	8.5
Real compensation per hour	0.7	-2.9	1.6	6.1	2.8	1.1r	0.8	0.0	0.9	1.3	1.8r	2.9
Unit labor costs	-5.1	-3.0	10.0	3.2	3.6	4.1r	8.7	4.1	3.0	1.1	3.3r	5.2r
Unit nonlabor payments	25.0	28.8	0.0	-0.2r	8.5	3.7r	13.3	18.4	15.7	12.6	8.7	3.0r
Implicit price deflator	3.5	6.6	6.6	2.1	5.2	3.9r	10.1	8.5	7.0	4.7	5.1	4.4
Nonfarm business sector:												
Output per hour of all persons	12.6	9.3	-2.2	5.8	5.4	2.9r	1.5	4.6	5.1	6.2	4.5	2.9r
Output	7.9	12.1	4.5	10.5	5.4	3.4r	-4.6	-0.8	2.9	8.7	8.1	5.9r
Hours	-4.1	2.5	6.9	4.4	0.1	0.5	-5.9	-5.2	-2.1	2.3	3.4	2.9
Compensation per hour	7.9	6.8	6.6	9.5	8.9	6.9r	10.5	9.4	8.3	7.7	7.9r	8.0
Real compensation per hour	1.6	-1.4	-0.0	4.8	4.1	0.7r	0.7	0.6	0.8	1.2	1.8r	2.4
Unit labor costs	-4.2	-2.2	9.0	3.5	3.3	3.9r	8.9	4.6	3.1	1.4	3.3	4.9r
Unit nonlabor payments	19.6	23.5	0.5	6.2	4.2	10.0r	14.5	18.0	15.7	12.0	8.2	5.1r
Implicit price deflator	2.6	5.3	6.2	4.3	3.6	5.8r	10.6	8.6	6.8	4.6	4.9	
Manufacturing:												
Output per hour of all persons	15.8	21.1	2.7	5.1	8.7	4.6r	-2.1	2.8	6.1	10.9	9.2r	5.3r
Output	7.6	29.4	11.9	14.4	8.9	5.7r	13.4	-7.6	1.0	15.6	15.9r	10.4r
Hours	-7.1	6.9	9.0	8.9	0.2	1.0r	-11.5	-10.1	-4.7	4.2	6.2r	4.7r
Compensation per hour	7.4	3.8	6.5	9.7	9.9	4.6r	12.6	10.5	8.2	6.8	7.4r	7.6r
Real compensation per hour	1.2	-4.2	-0.1	4.8	5.1	-1.4r	2.6	1.6	0.8	0.4	1.3r	2.1
Unit labor costs	-7.2	-14.3	3.7	4.3	1.1	-0.0r	15.0	7.5	2.0	-3.7	-1.6r	2.3r
Nonfinancial corporations:												
Output per all-employee hour	15.4	8.5	-1.3	4.5	5.1	2.5p	1.9	5.6	6.4	6.6	4.2r	2.7p
Output	9.5	13.1	4.2	10.6	6.8	3.6p	-5.6	-1.1	3.1	9.3	8.6	6.3p
Hours	-5.1	4.2	5.6	5.9	1.6	1.0p	-7.4	-6.4	-3.1	2.5	4.3	3.5p
Compensation per hour	7.5	5.9	7.2	9.0r	8.4	6.3p	11.2	9.9	8.7	7.4	7.6	7.7p
Real compensation per hour	1.2	-2.2	0.5	4.3r	3.6	0.2p	1.4	1.0	1.3	0.9	1.5	2.1p
Total unit costs	-3.6	-1.2	8.1	2.2	3.4	4.0p	11.8	6.6	4.1	1.3	3.1	4.4p
Unit labor costs	-6.9	-2.4	8.6	4.3	3.1	3.7p	9.1	4.0	2.2	0.7	3.3	4.9p
Unit nonlabor costs	5.8	2.1	7.1	-3.1	3.9	4.7p	19.4	13.7	9.4	2.9	2.5	3.1p
Unit profits	218.7	135.3	-5.9	23.8	4.2	20.2p	10.7	53.5	66.9	71.9	30.0r	9.9p
Implicit price deflator	4.8	6.7	6.7	4.1	3.4	5.5p	11.7	9.8	7.9	5.6	5.2	4.9p

p= preliminary.
r= revised.

NOTE: This table does not reflect the new seasonally adjusted establishment data. The new seasonal factors will be incorporated in fourth quarter measures released by the Office of Productivity and Technology on January 26, 1977.

**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		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
ALABAMA	\$170.50	\$185.32	(*)	40.5	41.0	(*)	4.21	\$4.52	(*)
Birmingham	208.87	224.16	\$230.52	40.4	40.1	40.3	5.17	5.59	\$5.72
Mobile	205.54	220.41	223.04	40.7	39.5	41.0	5.05	5.58	5.44
ALASKA	306.14	(*)	(*)	38.9	(*)	(*)	7.87	(*)	(*)
ARIZONA	191.49	210.81	213.19	39.0	39.7	39.7	4.91	5.31	5.37
Phoenix	191.88	208.95	206.85	39.0	39.8	39.4	4.92	5.25	5.25
Tucson	192.18	209.47	211.34	39.3	39.3	39.8	4.69	5.33	5.31
ARKANSAS	145.00	159.96	161.20	40.0	39.4	40.2	3.64	4.06	4.01
Fayetteville-Springdale	134.64	145.24	145.33	39.6	39.9	39.6	3.40	3.64	3.67
Fort Smith	144.38	156.70	157.61	38.5	38.5	39.6	3.75	4.07	3.98
Little Rock-North Little Rock	163.41	177.33	185.65	39.0	38.3	39.5	4.19	4.63	4.70
Pine Bluff	178.55	199.58	208.92	38.9	40.4	41.7	4.59	4.94	5.01
CALIFORNIA	211.20	226.34	227.48	39.7	39.5	39.7	5.32	5.73	5.73
Anaheim-Santa Ana-Garden Grove	200.79	207.11	210.00	40.4	39.3	40.0	4.97	5.27	5.25
Bakersfield	211.73	223.97	230.68	40.1	39.5	40.4	5.28	5.67	5.71
Fresno	195.46	202.02	209.68	40.3	39.0	40.4	4.85	5.18	5.19
Los Angeles-Long Beach	200.20	208.94	213.07	40.2	39.2	39.9	4.98	5.33	5.34
Modesto	187.25	228.78	220.15	36.5	41.0	40.1	5.13	5.58	5.49
Oxnard-Simi Valley-Ventura	194.62	190.73	198.50	40.8	38.3	39.7	4.77	4.98	5.00
Riverside-San Bernardino-Ontario	209.48	233.64	232.46	39.9	39.4	39.4	5.25	5.93	5.90
Sacramento	219.22	241.13	245.07	38.8	39.4	38.9	5.65	6.12	6.30
Salinas-Seaside-Monterey	190.38	211.28	214.01	38.0	38.0	38.7	5.01	5.56	5.53
San Diego	201.55	213.19	216.93	38.1	37.6	38.6	5.29	5.67	5.62
San Francisco-Oakland	252.31	274.69	274.72	39.3	40.1	39.7	6.42	6.85	6.92
San Jose	228.31	258.30	252.89	39.5	41.0	39.7	5.78	6.30	6.37
Santa Barbara-Santa Maria-Lompoc	183.14	194.16	192.73	39.9	38.6	38.7	4.59	5.03	4.98
Santa Rosa	191.65	210.35	208.66	37.8	37.9	37.8	5.07	5.55	5.52
Stockton	231.99	259.16	235.13	40.7	41.8	37.5	5.70	6.20	6.27
Vallejo-Fairfield-Napa	221.13	228.92	225.60	39.7	37.9	37.6	5.57	6.04	6.00
COLORADO	202.91	218.25	217.74	39.4	39.9	40.1	5.15	5.47	5.43
Denver-Boulder	205.93	217.16	217.88	39.3	39.7	40.2	5.24	5.47	5.42
CONNECTICUT	198.85	210.60	215.25	41.0	40.5	41.0	4.85	5.20	5.25
Bridgeport	210.31	222.79	227.04	41.4	41.8	42.2	5.08	5.33	5.38
Hartford	223.55	231.09	237.69	42.1	40.9	41.7	5.31	5.65	5.70
New Britain	207.41	214.40	222.98	41.4	40.3	41.6	5.01	5.32	5.36
New Haven-West Haven	199.48	212.38	213.72	40.3	40.3	40.4	4.95	5.27	5.29
Stamford	201.50	214.43	223.13	40.1	41.0	42.5	5.02	5.23	5.25
Waterbury	173.43	181.97	184.95	41.0	40.8	41.1	4.23	4.46	4.50
DELAWARE	216.28	219.26	(*)	40.2	38.4	(*)	5.38	5.71	(*)
Wilmington	242.79	245.63	(*)	40.6	38.5	(*)	5.98	6.38	(*)
DISTRICT OF COLUMBIA:									
Washington SMSA	202.61	210.05	(*)	38.3	38.4	(*)	5.29	5.47	(*)
FLORIDA	195.62	179.95	180.26	40.2	39.9	40.6	4.12	4.51	4.44
Fort Lauderdale-Hollywood	160.34	175.82	176.04	39.3	39.6	40.1	4.08	4.44	4.44
Jacksonville	212.76	214.54	205.02	41.8	40.1	39.2	5.09	5.35	5.23
Miami	146.86	151.60	151.64	39.8	37.9	39.8	3.69	4.00	3.81
Orlando	160.40	174.24	182.62	39.9	39.6	41.6	4.02	4.40	4.39
Pensacola	211.10	255.95	223.18	40.3	46.2	40.8	4.99	5.54	5.47
Tampa-St. Petersburg	176.61	184.93	190.19	40.6	39.6	40.9	4.35	4.67	4.65
West Palm Beach-Boca Raton	198.29	215.07	212.67	40.8	41.6	41.7	4.86	5.17	5.10
GEORGIA	161.60	170.47	168.82	40.3	40.3	40.1	4.01	4.23	4.21
Atlanta	191.18	204.88	206.46	39.5	39.1	39.4	4.84	5.24	5.24
Savannah	199.13	248.09	238.68	42.1	44.7	44.2	4.73	5.55	5.40
HAWAII	192.67	206.03	208.01	39.4	38.8	39.1	4.89	5.31	5.32
Honolulu	185.86	197.25	200.93	38.4	37.5	38.2	4.84	5.26	5.26
IDAHO ¹	191.88	218.75	213.89	39.4	39.7	38.4	4.87	5.51	5.57

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		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
ILLINOIS	\$219.30	\$238.06	\$234.12	39.9	40.1	39.8	\$5.50	\$5.93	\$5.89
INDIANA	222.72	247.04	248.27	39.7	40.3	40.5	5.61	6.13	6.13
Indianapolis	229.47	248.27	(*)	40.4	40.7	(*)	5.68	6.10	(*)
IOWA	221.35	243.01	229.82	40.1	40.3	39.9	5.52	6.03	5.76
Cedar Rapids	222.63	245.43	244.42	40.7	40.5	40.2	5.47	6.06	6.08
Des Moines	241.54	255.84	242.32	40.8	39.3	38.1	5.92	6.51	6.36
Dubuque	278.92	279.63	238.42	40.6	39.0	36.4	6.87	7.17	6.55
Sioux City	184.68	212.22	216.94	38.0	38.1	40.1	4.86	5.57	5.41
Waterloo—Cedar Falls	270.68	297.08	244.00	40.1	39.4	40.0	6.75	7.54	6.10
KANSAS	199.50	210.66	212.02	41.5	41.3	41.4	4.80	5.10	5.12
Topeka	203.33	229.44	206.24	40.9	43.4	39.3	4.97	5.29	5.25
Wichita	223.77	226.43	226.90	42.5	41.9	41.8	5.27	5.40	5.42
KENTUCKY	186.05	206.70	201.10	39.5	39.0	39.2	4.71	5.30	5.13
Louisville	222.24	239.20	229.90	39.9	39.8	38.9	5.57	6.01	5.91
LOUISIANA	204.02	228.25	225.22	41.3	41.5	41.4	4.94	5.50	5.44
Baton Rouge	249.40	294.50	291.60	42.2	43.5	43.2	5.91	6.77	6.75
New Orleans	199.79	215.74	217.74	40.2	40.4	40.1	4.97	5.34	5.43
Shreveport	186.05	201.23	198.13	40.8	40.9	40.6	4.56	4.92	4.88
MAINE	156.81	171.50	171.86	39.9	39.7	39.6	3.93	4.32	4.34
Lewiston—Auburn	135.04	140.46	137.20	39.6	38.8	37.9	3.41	3.62	3.62
Portland	165.97	174.05	172.22	39.8	39.2	38.7	4.17	4.44	4.45
MARYLAND	202.24	220.08	218.79	39.5	39.3	39.0	5.12	5.60	5.61
Baltimore	212.26	232.66	231.48	39.6	39.5	39.3	5.36	5.89	5.89
MASSACHUSETTS	179.14	194.62	(*)	39.2	39.8	(*)	4.57	4.89	(*)
Boston	195.82	214.26	(*)	39.4	39.9	(*)	4.97	5.37	(*)
Brookline	147.03	156.33	(*)	37.7	38.6	(*)	3.90	4.05	(*)
Fall River	129.95	135.17	(*)	35.7	35.2	(*)	3.64	3.84	(*)
Lawrence—Haverhill	175.76	188.33	(*)	38.8	39.4	(*)	4.53	4.78	(*)
Lowell	159.74	172.77	(*)	38.4	39.0	(*)	4.16	4.43	(*)
New Bedford	146.37	161.88	(*)	36.5	38.0	(*)	4.01	4.26	(*)
Springfield—Chicopee—Holyoke	182.00	201.47	(*)	40.0	41.2	(*)	4.55	4.89	(*)
Worcester	177.56	191.39	(*)	38.6	39.3	(*)	4.60	4.87	(*)
MICHIGAN	265.35	299.28	287.26	41.5	43.0	41.9	6.39	6.96	6.86
Ann Arbor	282.71	346.57	318.00	41.6	45.8	42.4	6.80	7.57	7.50
Battle Creek	268.56	247.35	293.15	42.1	41.7	41.7	6.38	6.89	7.03
Bay City	270.01	309.61	304.81	44.6	47.5	46.8	6.05	6.52	6.51
Detroit	284.06	322.98	306.55	41.7	43.8	41.6	6.81	7.37	7.37
Flint	308.19	342.62	357.58	43.2	45.1	47.1	7.13	7.60	7.59
Grand Rapids	212.33	233.58	236.37	40.1	40.7	41.0	5.30	5.74	5.77
Jackson	226.01	247.65	251.67	39.7	40.9	41.4	5.69	6.06	6.08
Kalamazoo—Portage	238.67	251.33	261.20	41.3	40.9	41.5	5.78	6.15	6.29
Lansing—East Lansing	277.39	318.43	311.15	41.6	44.0	43.3	6.67	7.24	7.19
Muskegon—Norton Shore—Muskegon Heights	224.36	246.19	228.23	40.6	41.3	37.9	5.53	5.96	6.02
Saginaw	318.42	356.77	344.77	43.0	45.5	44.7	7.41	7.84	7.71
MINNESOTA	207.63	220.57	221.76	39.7	39.6	39.6	5.23	5.57	5.60
Duluth—Superior	193.55	199.80	189.18	39.5	39.1	32.9	4.90	5.11	5.75
Minneapolis—St. Paul	222.56	235.62	233.64	40.1	39.6	39.4	5.55	5.95	5.93
MISSISSIPPI	146.21	153.24	156.38	40.5	39.7	40.2	3.61	3.86	3.89
Jackson	149.51	154.42	163.61	40.3	38.8	40.2	3.71	3.98	4.07
MISSOURI	191.58	211.60	210.12	39.5	39.7	40.1	4.85	5.33	5.24
Kansas City	220.30	243.98	236.93	40.2	40.8	40.5	5.48	5.98	5.85
St. Joseph	192.76	187.98	189.53	41.1	39.0	38.6	4.69	4.82	4.91
St. Louis	223.84	248.25	249.89	39.8	40.3	41.1	5.62	6.16	6.08
Springfield	165.95	171.50	180.00	39.7	38.8	40.0	4.18	4.42	4.50
MONTANA	206.27	260.65	257.30	37.3	40.6	41.3	5.53	6.42	6.23

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		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
NEBRASKA									
Lincoln	\$186.07	\$212.22	\$210.81	40.4	41.9	41.4	4.60	\$5.06	\$5.09
Omaha	172.60	188.26	184.11	39.3	39.5	38.9	4.39	4.77	4.73
.....	209.99	242.75	240.40	41.1	44.0	43.3	5.11	5.52	5.55
NEVADA									
Las Vegas	198.26	226.06	232.22	38.2	39.8	39.9	5.19	5.68	5.82
.....	251.37	268.92	(*)	39.4	40.5	(*)	6.38	6.64	(*)
NEW HAMPSHIRE									
Manchester	158.79	173.49	172.62	39.5	39.7	39.5	4.02	4.37	4.37
Methua	146.57	154.81	156.35	39.4	38.8	38.7	3.72	3.99	4.04
.....	178.00	196.58	196.98	40.0	40.2	40.2	4.45	4.89	4.90
NEW JERSEY									
Atlantic City	209.66	224.10	221.53	41.6	41.5	41.1	5.04	5.40	5.39
Camden ²	154.22	160.24	162.89	35.7	36.5	35.8	4.32	4.39	4.55
Hackensack ³	188.25	205.13	202.81	39.8	40.7	40.4	4.73	5.04	5.02
Jersey City ³	207.46	205.88	204.51	41.0	39.9	40.1	5.06	5.16	5.10
New Brunswick—Perth Amboy—Sayreville ³	195.77	205.92	207.76	40.7	39.6	39.8	4.81	5.20	5.22
Newark ³	220.58	239.13	233.28	41.0	41.3	40.5	5.38	5.79	5.76
Paterson—Clifton—Passaic ³	219.56	233.02	234.30	42.8	42.6	42.6	5.13	5.47	5.50
Trenton	197.35	202.52	208.96	41.2	41.5	42.3	4.79	4.88	4.94
.....	245.25	254.65	257.14	45.5	45.8	46.0	5.39	5.56	5.59
NEW MEXICO									
Albuquerque	149.34	163.20	166.69	39.3	38.4	39.5	3.80	4.25	4.22
.....	150.78	166.60	171.30	40.1	39.2	39.2	3.76	4.25	4.37
NEW YORK									
Albany—Schenectady—Troy	196.61	212.12	(*)	39.4	39.5	(*)	4.99	5.37	(*)
Binghamton	207.36	234.93	227.77	40.5	41.0	40.6	5.12	5.73	5.61
Buffalo	197.35	199.55	195.54	41.2	41.4	40.4	4.79	4.82	4.84
Elmira	247.04	283.82	268.13	40.3	41.8	39.9	6.13	6.79	6.72
Monroe County	190.80	212.78	209.48	40.0	40.3	39.9	4.77	5.28	5.25
Nassau—Suffolk ⁵	248.21	271.97	275.40	41.3	42.1	42.5	6.01	6.46	6.48
New York—Northeastern New Jersey	191.18	198.58	197.46	39.5	39.4	39.1	4.84	5.04	5.05
New York and Nassau—Suffolk ³	193.74	202.91	(*)	39.7	39.4	(*)	4.88	5.15	(*)
New York SMSA ⁵	180.21	188.62	(*)	38.1	37.8	(*)	4.73	4.99	(*)
New York City ⁵	178.13	186.75	(*)	37.9	37.5	(*)	4.70	4.98	(*)
Poughkeepsie	176.72	184.88	(*)	37.6	37.2	(*)	4.70	4.97	(*)
Rochester	204.62	232.14	229.19	40.2	43.8	43.0	5.09	5.30	5.33
Rockland County ⁶	233.86	255.42	258.07	41.1	41.6	42.1	5.69	6.14	6.13
Syracuse	194.74	209.58	216.97	41.7	42.0	42.4	4.67	4.99	5.07
Utica—Rome	209.92	233.04	234.62	41.0	41.1	41.6	5.12	5.67	5.64
Westchester County ⁶	177.51	199.67	202.05	35.8	40.5	40.9	4.66	4.93	4.94
.....	184.71	196.83	207.24	39.3	38.9	39.4	4.70	5.06	5.26
NORTH CAROLINA									
Asheville	143.60	151.71	153.27	40.0	38.8	39.1	3.59	3.91	3.92
Charlotte—Gastonia	143.02	147.39	149.69	40.4	39.2	39.6	3.54	3.76	3.78
Greensboro—Winston-Salem—High Point	146.61	156.39	156.79	40.5	40.1	40.1	3.62	3.90	3.91
Raleigh—Durham	155.23	162.35	166.21	39.7	38.2	39.2	3.91	4.25	4.24
.....	155.23	169.22	173.01	39.1	38.9	39.5	3.97	4.35	4.38
NORTH DAKOTA									
Fargo—Moorhead	182.28	190.73	193.75	39.8	38.3	39.3	4.58	4.98	4.93
.....	185.44	210.14	208.40	38.0	39.5	39.1	4.88	5.32	5.33
OHIO									
Akron	231.83	259.37	252.56	40.6	41.7	41.0	5.71	6.22	6.16
Canton	243.49	268.55	260.42	41.2	42.9	41.6	5.91	6.26	6.26
Cincinnati	225.98	251.66	250.00	39.3	39.2	38.7	5.75	6.42	6.46
Cleveland	221.20	245.37	228.42	41.5	41.8	40.5	5.33	5.87	5.64
Columbus	235.48	269.45	258.32	40.6	42.3	41.8	5.80	6.37	6.18
Dayton	215.86	237.22	234.77	39.9	40.9	40.2	5.41	5.80	5.84
Toledo	249.60	280.55	276.89	41.6	43.7	43.4	6.00	6.42	6.38
Youngstown—Warren	244.73	274.13	270.26	41.2	42.9	41.9	5.94	6.39	6.45
.....	260.68	278.40	289.28	39.2	38.4	39.9	6.65	7.25	7.25
OKLAHOMA									
Oklahoma City	179.65	194.89	196.09	40.1	40.1	40.1	4.48	4.86	4.89
Tulsa	180.85	201.87	202.10	39.4	40.7	40.5	4.59	4.96	4.99
.....	200.88	213.86	215.32	40.5	39.9	39.8	4.96	5.36	5.41
OREGON									
Eugene—Springfield	215.65	239.62	242.74	37.9	38.4	38.9	5.69	6.24	6.24
Jackson County	232.41	263.56	266.59	38.8	40.3	40.7	5.99	6.54	6.55
Portland	212.98	251.30	242.41	37.3	39.7	38.6	5.71	6.33	6.28
.....	218.30	234.78	236.69	38.5	38.3	38.3	5.67	6.13	6.18

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		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
PENNSYLVANIA	\$195.94	\$214.89	\$214.50	38.8	39.0	39.0	\$5.05	\$5.51	\$5.50
Allentown—Bethlehem—Easton	194.89	211.20	209.34	38.9	38.4	38.2	5.01	5.50	5.48
Altoona	161.63	174.93	177.47	38.3	37.7	37.6	4.22	4.64	4.72
Delaware Valley ⁷	208.94	227.88	227.08	39.2	39.7	39.7	5.33	5.74	5.72
Erie	209.10	222.75	222.15	41.0	40.5	40.1	5.10	5.50	5.54
Harrisburg	178.42	192.66	194.04	39.3	39.0	39.2	4.54	4.94	4.95
Johnstown	216.23	238.94	231.62	36.9	39.3	37.6	5.86	6.08	6.16
Lancaster	176.71	190.88	199.82	39.8	40.1	41.2	4.44	4.76	4.85
Northeast Pennsylvania	145.70	151.94	152.42	36.7	35.5	35.2	3.97	4.28	4.33
Philadelphia SMSA	205.93	224.47	223.68	39.3	39.8	39.8	5.24	5.64	5.62
Pittsburgh	237.60	263.71	258.84	39.6	40.2	39.7	6.00	6.56	6.52
Reading	177.64	191.46	197.18	39.3	38.6	39.2	4.52	4.96	5.03
Scranton ⁸	145.73	149.67	147.55	36.8	35.3	34.8	3.96	4.24	4.24
Wilkes-Barre—Hazleton ⁹	141.90	151.87	154.18	36.2	35.4	35.2	3.92	4.29	4.38
Williamsport	180.75	183.30	189.53	39.9	39.0	39.9	4.53	4.70	4.75
York	183.40	196.52	196.46	41.4	41.2	41.1	4.43	4.77	4.78
RHODE ISLAND	150.93	166.27	166.27	39.0	39.4	39.4	3.87	4.22	4.22
Providence—Warwick—Pawtucket	151.32	167.11	167.96	39.1	39.6	39.8	3.87	4.22	4.22
SOUTH CAROLINA ¹	152.11	162.00	162.81	41.0	40.1	40.2	3.71	4.04	4.05
Charleston—North Charleston ¹	171.37	185.14	181.30	40.9	40.6	40.2	4.19	4.56	4.51
Columbia ¹	148.52	155.50	162.38	39.5	38.3	39.8	3.76	4.06	4.08
Greenville—Spartanburg ¹	153.30	158.80	159.19	41.1	39.8	39.6	3.73	3.99	4.02
SOUTH DAKOTA	173.05	190.57	191.29	41.4	41.7	40.7	4.18	4.57	4.70
Sioux Falls	232.62	243.76	248.98	43.4	44.0	43.3	5.36	5.54	5.75
TENNESSEE	161.17	177.48	174.17	40.7	40.8	40.6	3.96	4.35	4.29
Chattanooga	177.22	189.20	182.68	41.6	40.6	39.8	4.26	4.66	4.59
Knoxville	184.57	211.70	205.82	40.3	40.4	40.2	4.58	5.24	5.12
Memphis	191.00	210.53	205.93	40.9	40.8	40.3	4.67	5.16	5.11
Nashville—Davidson	167.96	183.20	171.71	39.8	40.0	39.3	4.22	4.58	4.37
TEXAS	191.94	206.23	206.50	41.1	41.0	41.3	4.67	5.03	5.00
Amarillo	173.83	182.09	192.96	40.9	37.7	39.3	4.25	4.83	4.91
Austin	162.35	176.26	175.14	41.1	40.8	41.6	3.95	4.32	4.21
Beaumont—Port Arthur—Orange	250.34	286.53	279.66	39.8	40.7	39.5	6.29	7.04	7.08
Corpus Christi	206.09	207.50	198.02	41.3	35.9	36.4	4.99	5.78	5.44
Dallas—Fort Worth	176.99	187.98	188.67	40.5	40.6	40.4	4.37	4.63	4.67
El Paso	140.82	146.55	146.69	38.9	37.1	38.4	3.62	3.95	3.82
Galveston—Texas City	305.47	335.39	339.34	44.4	43.5	42.9	6.88	7.71	7.91
Houston	231.63	247.28	252.03	42.5	41.7	42.5	5.45	5.93	5.93
Lubbock	140.26	133.22	139.87	39.4	36.8	37.6	3.56	3.62	3.72
San Antonio	152.82	155.94	152.87	42.1	40.4	39.4	3.63	3.86	3.88
Waco	172.63	173.63	174.20	41.9	40.1	40.7	4.12	4.33	4.28
Wichita Falls	165.95	187.68	187.77	39.7	39.1	39.2	4.18	4.80	4.79
UTAH	155.07	159.47	159.86	38.1	38.8	38.8	4.07	4.11	4.12
Salt Lake City—Ogden	157.12	160.74	160.74	38.7	39.3	39.3	4.06	4.09	4.09
VERMONT	168.50	184.50	184.50	40.8	41.0	41.0	4.13	4.50	4.50
Burlington	197.12	222.40	221.97	42.3	43.1	43.1	4.66	5.16	5.15
Springfield	184.17	192.58	192.48	40.3	40.8	40.1	4.57	4.72	4.80
VIRGINIA	162.81	175.16	174.36	40.2	39.9	39.9	4.05	4.39	4.37
Lynchburg	167.26	176.71	178.40	41.4	39.8	40.0	4.04	4.44	4.46
Norfolk—Virginia Beach—Portsmouth	164.81	188.20	169.34	40.1	40.3	37.8	4.11	4.67	4.48
Northern Virginia ¹⁰	202.40	193.74	196.81	40.0	39.7	39.6	5.06	4.88	4.97
Richmond	192.56	200.26	206.95	40.8	39.5	40.9	4.72	5.07	5.06
Roanoke	147.13	158.80	161.99	40.2	39.7	40.6	3.66	4.00	3.99
WASHINGTON	235.22	251.66	(*)	39.4	39.2	(*)	5.97	6.42	(*)
Seattle—Everett	245.60	256.11	(*)	40.0	39.1	(*)	6.14	6.55	(*)
Spokane	212.24	223.65	(*)	38.8	38.1	(*)	5.47	5.87	(*)
Tacoma	228.27	254.38	(*)	38.3	39.5	(*)	5.96	6.44	(*)
WEST VIRGINIA	195.22	219.79	218.74	39.2	38.9	39.2	4.98	5.65	5.58
Charleston	234.26	255.63	263.45	40.6	40.9	41.1	5.77	6.25	6.41
Huntington—Ashland	212.95	240.37	238.37	38.3	39.6	39.4	5.56	6.07	6.05
Parkersburg—Marietta	215.03	241.84	237.96	39.6	41.2	40.4	5.43	5.87	5.89

See footnotes at end of table.

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P	OCT. 1975	SEPT. 1976	OCT. 1976P
WEST VIRGINIA—Continued									
Wheeling	\$204.22	\$224.37	\$222.08	39.5	40.5	39.8	\$5.17	\$5.54	\$5.58
WISCONSIN									
Appleton—Oshkosh	218.25	236.12	238.75	40.5	40.8	40.8	5.39	5.78	5.85
Green Bay	208.00	225.06	226.59	41.3	41.2	41.0	5.04	5.46	5.53
Kenosha	219.76	239.51	242.64	41.4	42.6	43.1	5.30	5.62	5.64
La Crosse	267.82	272.43	270.60	40.2	39.9	39.6	6.67	6.82	6.83
Madison	183.55	204.44	203.02	40.4	41.1	40.5	4.55	4.98	5.01
Milwaukee	235.48	268.33	258.69	39.9	42.1	40.5	5.90	6.38	6.38
Racine	235.57	259.43	258.67	40.1	40.4	40.2	5.88	6.42	6.44
WYOMING									
Casper	235.49	249.64	249.13	40.1	40.4	40.2	5.88	6.19	6.19
Cheyenne	218.47	232.47	215.86	41.1	41.0	39.9	5.32	5.67	5.41
	248.08	284.44	267.02	40.3	43.0	41.2	6.15	6.62	6.48
	219.10	247.61	236.58	40.1	42.1	40.9	5.46	5.88	5.83

¹ Based on 1972 Standard Industrial Classification.

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 1965 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1965	4.3	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1
1966	5.0	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9
1967	4.4	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8
1968	4.6	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.4	4.1	3.7	4.0	4.0	4.9	5.3	4.6	6.0	5.3	4.8	3.6	2.7
1973	4.8	4.6	4.0	4.4	4.5	5.3	5.9	5.1	6.2	5.7	5.2	3.8	2.6
1974	4.2	4.2	3.6	4.0	4.4	5.1	5.4	4.8	5.4	4.9	3.8	2.4	1.8
1975	3.7	3.0	2.7	3.2	3.7	3.9	4.5	4.5	5.1	4.6	3.7	2.8	2.2
1976		3.8	3.5	4.2	3.9	4.4	4.8	4.2	5.1	4.4	3.5 ^p		
New hires													
1965	3.1	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2
1966	3.8	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1
1967	3.3	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0
1968	3.5	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.4	2.7	2.9	3.6	4.1	3.4	4.4	4.3	3.8	2.9	2.0
1973	3.9	3.5	3.1	3.5	3.6	4.4	5.0	4.1	5.0	4.7	4.3	3.0	2.0
1974	3.2	3.2	2.7	3.0	3.3	3.9	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.0	2.4	1.7	1.3
1976		2.1	2.1	2.6	2.5	3.0	3.6	2.8	3.5	3.2	2.5 ^p		
Total separations													
1965	4.1	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1
1966	4.6	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2
1967	4.6	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9
1968	4.6	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.2	4.0	3.5	3.8	3.8	3.9	4.2	4.8	5.4	5.3	4.3	3.7	3.7
1973	4.6	4.3	3.7	4.2	4.1	4.4	4.5	5.1	6.5	5.7	4.9	4.2	3.9
1974	4.8	4.9	4.0	4.4	4.2	4.4	4.2	4.9	6.1	5.4	5.0	5.0	5.2
1975	4.2	6.2	4.5	4.2	4.0	3.9	3.6	4.4	4.6	4.3	4.0	3.5	3.4
1976		3.7	3.1	3.5	3.5	3.4	3.5	4.3	4.9	4.6	4.1 ^p		
Quits													
1965	1.9	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4
1966	2.6	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7
1967	2.3	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5
1968	2.5	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.2	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	1.9	1.6
1973	2.7	2.2	2.1	2.5	2.5	2.7	2.8	2.8	4.5	3.9	3.0	2.2	1.6
1974	2.3	2.2	1.9	2.3	2.4	2.6	2.5	2.5	4.0	3.2	2.2	1.4	.9
1975	1.4	1.1	.9	1.0	1.1	1.3	1.3	1.5	2.4	2.0	1.6	1.2	.9
1976		1.3	1.2	1.5	1.6	1.7	1.8	1.8	2.8	2.4	1.7 ^p		
Layoffs													
1965	1.4	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9
1966	1.2	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7
1967	1.4	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6
1968	1.2	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4
1969	1.2	1.2	1.0	1.0	.9	.9	.9	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.4	1.1	1.1	1.0	.8	1.1	1.7	.9	.9	.9	1.0	1.3
1973	.9	1.0	.7	.8	.7	.6	.6	1.4	.8	.7	.8	1.1	1.5
1974	1.5	1.7	1.2	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.1	2.9	2.5	2.1	1.8	1.5	2.0	1.3	1.4	1.6	1.7	1.9
1976		1.6	1.1	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5 ^p		

p=preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p
-	MANUFACTURING	4.4	3.5	3.2	2.5	4.6	4.1	2.4	1.7	1.3	1.5
19,24,25,32-39	DURABLE GOODS	3.8	3.1	2.7	2.2	3.9	3.6	2.0	1.4	1.0	1.3
20-23,26-31	NONDURABLE GOODS	5.1	4.1	3.8	3.0	5.7	4.7	3.1	2.2	1.7	1.8
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	1.7	-	.9	-	1.7	-	.7	-	.5	-
192	Ammunition, except for small arms	1.7	-	.8	-	1.4	-	.5	-	.4	-
24	LUMBER AND WOOD PRODUCTS	5.5	4.3	4.8	3.8	6.3	5.3	4.4	2.9	.9	1.5
242	Sawmills and planing mills	5.1	-	4.5	-	5.6	-	4.0	-	.7	-
2421	Sawmills and planing mills, general	4.8	-	4.1	-	5.3	-	3.9	-	.6	-
243	Millwork, plywood and related products	5.7	-	5.1	-	6.7	-	4.9	-	.9	-
2431	Millwork	5.4	-	5.0	-	6.8	-	5.1	-	.7	-
2432	Veneer and plywood	4.8	-	4.4	-	5.3	-	4.3	-	.2	-
244	Wooden containers	6.0	-	5.2	-	8.3	-	6.3	-	1.1	-
2441,2	Wooden boxes, shooks, and crates	5.8	-	5.1	-	7.8	-	5.9	-	.9	-
249	Miscellaneous wood products	6.3	-	5.5	-	7.0	-	4.3	-	1.3	-
25	FURNITURE AND FIXTURES	6.4	5.0	5.3	4.1	6.0	5.5	3.9	3.0	1.0	1.4
251	Household furniture	6.7	-	5.6	-	6.0	-	4.2	-	.6	-
2511	Wood household furniture	6.9	-	6.3	-	6.4	-	4.7	-	.3	-
2512	Upholstered household furniture	5.6	-	4.9	-	5.7	-	3.9	-	1.0	-
2515	Mattresses and bedsprings	5.4	-	4.1	-	5.4	-	3.2	-	1.1	-
252	Office furniture	4.5	-	4.0	-	3.0	-	1.9	-	.1	-
32	STONE, CLAY, AND GLASS PRODUCTS	3.6	2.9	2.7	2.1	4.1	3.8	2.3	1.4	.9	1.5
321	Flat glass	2.0	-	.4	-	1.9	-	.5	-	1.0	-
322	Glass and glassware, pressed or blown	3.2	-	1.7	-	4.0	-	1.9	-	1.0	-
3221	Glass containers	3.1	-	2.2	-	4.3	-	2.4	-	1.0	-
3229	Pressed and blown glass, nec	3.4	-	.9	-	3.4	-	1.1	-	.9	-
324	Cement, hydraulic	1.3	-	1.0	-	2.8	-	1.1	-	1.0	-
325	Structural clay products	4.7	-	4.2	-	5.3	-	3.7	-	.5	-
3251	Brick and structural clay tile	5.6	-	5.4	-	6.6	-	5.0	-	.2	-
326	Pottery and related products	3.1	-	2.5	-	3.2	-	2.0	-	.2	-
3291	Abrasive products	2.3	-	1.9	-	2.5	-	1.4	-	.1	-
33	PRIMARY METAL INDUSTRIES	2.3	2.0	1.3	1.0	3.6	3.5	1.1	.6	1.6	2.0
331	Blast furnace and basic steel products	1.9	-	.6	-	4.1	-	.8	-	2.3	-
3312	Blast furnaces and steel mills	1.8	-	.5	-	4.1	-	.7	-	2.4	-
332	Iron and steel foundries	2.7	-	1.9	-	4.0	-	1.5	-	1.7	-
3321	Gray iron foundries	2.6	-	2.1	-	3.9	-	1.5	-	1.6	-
3322	Malleable iron foundries	2.3	-	1.6	-	3.6	-	1.5	-	1.2	-
3323	Steel foundries	2.9	-	1.6	-	4.4	-	1.5	-	1.9	-
333,4	Nonferrous metals	2.5	-	1.8	-	2.9	-	1.6	-	.4	-
335	Nonferrous rolling and drawing	1.8	-	1.3	-	2.3	-	.8	-	.7	-
3351	Copper rolling and drawing	2.3	-	1.8	-	2.3	-	1.1	-	.4	-
3352	Aluminum rolling and drawing	1.5	-	1.0	-	2.1	-	.8	-	.7	-
3357	Nonferrous wire drawing, and insulating	1.7	-	1.2	-	2.3	-	.7	-	.8	-
336	Nonferrous foundries	4.2	-	3.1	-	4.2	-	2.1	-	1.2	-
3361	Aluminum castings	4.1	-	3.4	-	3.7	-	2.2	-	.8	-
3362,9	Other nonferrous castings	4.4	-	2.7	-	4.8	-	2.1	-	1.7	-
339	Miscellaneous primary metal products	2.4	-	1.9	-	2.5	-	1.1	-	.7	-
3391	Iron and steel forgings	2.6	-	2.0	-	2.5	-	.9	-	.7	-
34	FABRICATED METAL PRODUCTS	4.3	-	3.4	-	4.3	-	2.2	-	1.2	-
341	Metal cans	3.4	-	.7	-	7.6	-	1.3	-	4.8	-
342	Cutlery, hand tools, and hardware	4.2	-	3.4	-	3.4	-	2.0	-	.6	-
3421,3,5	Cutlery and hand tools, incl. saws	4.2	-	3.2	-	3.2	-	1.9	-	.5	-
3429	Hardware, nec	4.3	-	3.5	-	3.5	-	2.1	-	.6	-
343	Plumbing and heating, except electric	4.2	-	3.3	-	3.9	-	2.1	-	.7	-
3431,2	Sanitary ware and plumbers' brass goods	4.5	-	3.1	-	3.8	-	2.1	-	.7	-
3433	Heating equipment, except electric	3.9	-	3.4	-	3.9	-	2.2	-	.7	-
344	Fabricated structural metal products	4.4	-	3.7	-	4.8	-	2.5	-	1.4	-
3441	Fabricated structural steel	4.5	-	3.6	-	4.5	-	2.2	-	1.2	-
3443	Fabricated plate work (boiler shops)	2.4	-	1.8	-	3.3	-	1.3	-	1.3	-
3446,9	Architectural and misc. metal work	4.3	-	3.5	-	5.9	-	3.1	-	2.0	-
345	Screw machine products, bolts, etc.	4.0	-	3.4	-	3.5	-	2.2	-	.4	-
3452	Bolts, nuts, rivets, and washers	3.5	-	2.7	-	2.5	-	1.6	-	.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Sept. 1976	Oct. 1976 ^P	Sept. 1976	Oct. 1976 ^P	Sept. 1976	Oct. 1976 ^P	Sept. 1976	Oct. 1976 ^P	Sept. 1976	Oct. 1976 ^P
	DURABLE GOODS — Continued										
	FABRICATED METAL PRODUCTS — Continued										
346	Metal stampings	3.9	-	2.7	-	3.0	-	1.6	-	0.5	-
348	Miscellaneous fabricated wire products	5.1	-	4.3	-	5.1	-	2.6	-	1.6	-
349	Miscellaneous fabricated metal products	3.5	-	2.9	-	3.7	-	2.1	-	.9	-
3494,8	Valves, pipe, and pipe fittings	2.8	-	2.2	-	3.2	-	1.6	-	.9	-
35	MACHINERY, EXCEPT ELECTRICAL	3.0	2.5	2.0	1.8	2.6	2.5	1.3	1.0	.6	0.7
351	Engines and turbines	2.3	-	1.4	-	1.9	-	.5	-	.3	-
3511	Steam engines and turbines	1.4	-	.7	-	1.7	-	.5	-	.1	-
3519	Internal combustion engines, nec	2.9	-	1.9	-	2.0	-	.5	-	.4	-
352	Farm machinery	4.1	-	2.4	-	3.2	-	1.4	-	.9	-
353	Construction and related machinery	2.2	-	1.6	-	2.3	-	1.1	-	.6	-
3531,2	Construction and mining machinery	1.6	-	.8	-	2.0	-	.8	-	.6	-
3533	Oil field machinery	3.1	-	2.8	-	2.7	-	1.6	-	.2	-
3535,6	Conveyors, hoists, cranes, monorails	2.3	-	2.0	-	2.5	-	1.1	-	.7	-
354	Metal working machinery	3.0	-	2.2	-	2.5	-	1.3	-	.6	-
3541	Machine tools, metal cutting types	2.0	-	1.4	-	1.6	-	.9	-	.2	-
3545	Machine tool accessories	2.2	-	1.8	-	1.9	-	1.2	-	.1	-
3542,8	Miscellaneous metal working machinery	2.8	-	1.9	-	3.0	-	1.1	-	1.4	-
355	Special industry machinery	2.5	-	1.7	-	2.4	-	1.2	-	.6	-
3551	Food products machinery	2.6	-	1.8	-	2.6	-	1.3	-	.7	-
3552	Textile machinery	3.4	-	2.1	-	2.7	-	1.3	-	.6	-
356	General industrial machinery	2.5	-	1.8	-	2.5	-	1.3	-	.6	-
3561	Pumps and compressors	2.2	-	1.5	-	2.2	-	1.2	-	.3	-
3562	Ball and roller bearings	2.2	-	1.4	-	2.0	-	1.0	-	.4	-
3566	Power transmission equipment	2.4	-	1.9	-	2.8	-	1.2	-	1.1	-
357	Office and computing machines	3.0	-	1.9	-	2.4	-	1.2	-	.3	-
3573	Electronic computing equipment	3.0	-	1.8	-	2.2	-	1.1	-	.2	-
358	Service industry machines	3.6	-	2.4	-	3.7	-	1.8	-	.9	-
3585	Refrigeration machinery	3.7	-	2.2	-	3.8	-	1.7	-	1.0	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.6	-	2.4	-	3.5	-	1.7	-	.9	-
361	Electric test and distributing equipment	3.0	-	2.2	-	3.0	-	1.7	-	.5	-
3611	Electric measuring instruments	2.7	-	2.0	-	2.5	-	1.6	-	.3	-
3612	Transformers	3.4	-	2.0	-	3.7	-	1.4	-	.9	-
3613	Switchgear and switchboard apparatus	3.1	-	2.5	-	3.0	-	1.9	-	.4	-
362	Electrical industrial apparatus	2.8	-	2.0	-	3.4	-	1.4	-	1.1	-
3621	Motors and generators	2.7	-	1.9	-	3.4	-	1.3	-	1.3	-
3622	Industrial controls	2.7	-	1.8	-	3.2	-	1.3	-	.9	-
363	Household appliances	5.5	-	2.4	-	5.3	-	2.1	-	1.8	-
3632	Household refrigerators and freezers	9.8	-	1.1	-	7.3	-	.8	-	4.0	-
3633	Household laundry equipment	2.2	-	1.3	-	5.1	-	1.1	-	1.9	-
3634	Electric housewares and fans	6.0	-	4.7	-	5.6	-	3.8	-	1.0	-
364	Electric lighting and wiring equipment	3.3	-	2.5	-	3.5	-	1.7	-	.9	-
3641	Electric lamps	2.9	-	2.1	-	2.1	-	1.2	-	.1	-
3642	Lighting fixtures	3.9	-	3.1	-	4.1	-	1.8	-	1.2	-
3643,4	Wiring devices	3.0	-	2.4	-	3.6	-	1.8	-	.9	-
365	Radio and TV receiving equipment	5.4	-	3.3	-	6.5	-	2.2	-	2.4	-
366	Communication equipment	2.1	-	1.3	-	2.0	-	.9	-	.5	-
3661	Telephone and telegraph apparatus	2.0	-	.9	-	1.5	-	.6	-	.3	-
3662	Radio and TV communication equipment	2.1	-	1.4	-	2.3	-	1.1	-	.5	-
367	Electronic components and accessories	4.6	-	3.7	-	4.1	-	2.4	-	.7	-
3671-3	Electron tubes	3.0	-	1.3	-	3.3	-	1.0	-	1.2	-
3674,9	Other electronic components	4.8	-	4.0	-	4.2	-	2.5	-	.6	-
369	Miscellaneous electrical equipment and supplies	4.2	-	2.7	-	3.1	-	1.6	-	.7	-
3694	Engine electrical equipment	4.6	-	2.5	-	2.8	-	1.6	-	.5	-
37	TRANSPORTATION EQUIPMENT	4.1	-	2.5	-	3.6	-	1.5	-	1.2	-
371	Motor vehicles and equipment	3.9	-	2.3	-	2.8	-	1.2	-	.7	-
3711	Motor vehicles	4.6	-	2.2	-	2.5	-	1.1	-	.5	-
3712	Passenger car bodies	3.2	-	2.9	-	1.6	-	.6	-	.1	-
3713	Truck and bus bodies	4.2	-	3.1	-	4.2	-	2.8	-	.6	-
3714	Motor vehicle parts and accessories	3.2	-	2.1	-	3.0	-	1.2	-	.9	-
372	Aircraft and parts	1.7	-	1.1	-	2.0	-	.7	-	.7	-
3721	Aircraft	1.7	-	1.2	-	2.1	-	.7	-	.9	-
3722	Aircraft engines and engine parts	1.2	-	.6	-	1.2	-	.4	-	.3	-
3723,9	Other aircraft parts and equipment	2.4	-	1.6	-	2.7	-	1.1	-	.9	-
373	Ship and boat building and repairing	7.5	-	4.6	-	6.1	-	2.6	-	2.2	-
3731	Ship building and repairing	7.1	-	3.5	-	6.1	-	2.2	-	2.6	-
374	Railroad equipment	3.9	-	.8	-	3.5	-	.8	-	1.6	-
375,9	Other transportation equipment	8.0	-	6.3	-	10.6	-	4.6	-	4.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p
DURABLE GOODS — Continued											
38	INSTRUMENTS AND RELATED PRODUCTS	2.9	2.4	2.3	1.9	3.3	2.7	2.1	1.4	0.5	0.6
381	Engineering and scientific instruments	1.7	-	1.3	-	2.2	-	1.1	-	.5	-
382	Mechanical measuring and control devices	3.6	-	2.7	-	3.2	-	1.8	-	.5	-
3821	Mechanical measuring devices	3.4	-	2.7	-	2.9	-	1.7	-	.4	-
3822	Automatic temperature controls	3.9	-	2.7	-	3.9	-	1.8	-	.7	-
383,5	Optical and ophthalmic goods	3.5	-	3.0	-	3.0	-	2.0	-	.3	-
384	Medical instruments and supplies	3.3	-	2.5	-	3.8	-	2.4	-	.7	-
386	Photographic equipment and supplies	1.6	-	1.4	-	3.1	-	2.6	-	.1	-
387	Watches, clocks, and watchcases	5.0	-	3.6	-	5.0	-	2.3	-	1.5	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	6.8	5.0	5.6	3.9	6.7	5.7	3.9	2.6	1.5	1.7
391	Jewelry, silverware, and plated ware	6.3	-	4.8	-	5.5	-	3.7	-	.9	-
394	Toys and sporting goods	9.3	-	8.0	-	9.3	-	5.2	-	1.8	-
3941-3	Games, toys, dolls and play vehicles	11.9	-	10.7	-	11.2	-	6.5	-	1.6	-
3949	Sporting and athletic goods, nec	5.6	-	4.3	-	6.7	-	3.4	-	2.1	-
395	Pens, pencils, office and art supplies	3.6	-	3.1	-	3.4	-	2.1	-	.5	-
396	Costume jewelry and notions	8.0	-	6.4	-	8.0	-	5.4	-	1.6	-
393,9	Other manufacturing industries	5.2	-	4.1	-	5.3	-	2.7	-	1.6	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	7.9	6.1	5.7	4.1	9.3	7.5	4.6	2.9	3.7	3.8
201	Meat products	7.5	-	6.0	-	7.3	-	5.0	-	1.2	-
2011	Meat packing plants	5.1	-	3.4	-	4.6	-	2.2	-	1.4	-
2015	Poultry dressing plants	12.5	-	11.1	-	12.0	-	10.4	-	.2	-
204	Grain mill products	3.4	-	2.9	-	3.8	-	2.3	-	.8	-
2041	Flour and other grain mill products	3.1	-	2.6	-	3.9	-	2.3	-	.6	-
2042	Prepared feeds for animals and fowls	4.1	-	3.8	-	4.1	-	2.8	-	.8	-
205	Bakery products	3.2	-	2.8	-	3.9	-	2.5	-	.8	-
2051	Bread, cake, and related products	3.1	-	2.7	-	4.0	-	2.7	-	.8	-
2052	Cookies and crackers	3.9	-	3.0	-	3.6	-	1.9	-	1.0	-
207	Confectionery and related products	6.1	-	4.0	-	4.9	-	2.6	-	1.6	-
2071	Confectionery products	7.5	-	4.7	-	5.8	-	3.1	-	1.9	-
208	Beverages	4.0	-	3.0	-	5.3	-	2.9	-	1.6	-
2082	Malt liquors	2.9	-	1.3	-	4.7	-	1.1	-	2.8	-
21	TOBACCO MANUFACTURES	6.5	-	3.2	-	5.5	-	1.7	-	3.0	-
211	Cigarettes	.8	-	.2	-	1.2	-	.5	-	(¹)	-
212	Cigars	4.5	-	3.1	-	4.8	-	3.5	-	.9	-
22	TEXTILE MILL PRODUCTS	4.9	4.1	3.8	3.1	5.4	4.7	3.5	2.7	.8	1.1
221	Weaving mills, cotton	4.9	-	3.6	-	4.9	-	3.5	-	.2	-
222	Weaving mills, synthetics	4.7	-	4.0	-	4.9	-	3.6	-	.3	-
223	Weaving and finishing mills, wool	5.2	-	3.8	-	6.1	-	3.2	-	2.1	-
224	Narrow fabric mills	4.4	-	3.3	-	5.0	-	3.0	-	1.1	-
225	Knitting mills	4.7	-	3.5	-	5.9	-	3.6	-	1.2	-
2251	Women's hosiery, except socks	5.2	-	4.6	-	5.3	-	3.8	-	.5	-
2252	Hosiery, nec	3.8	-	3.2	-	4.9	-	3.4	-	.8	-
2254	Knit underwear mills	3.9	-	3.3	-	5.1	-	3.8	-	.3	-
226	Textile finishing, except wool	3.0	-	2.2	-	4.1	-	2.1	-	1.1	-
227	Floor covering mills	5.4	-	4.5	-	4.3	-	2.9	-	.4	-
228	Yarn and thread mills	6.1	-	5.0	-	6.7	-	4.5	-	1.0	-
229	Miscellaneous textile goods	4.9	-	3.6	-	5.2	-	2.7	-	1.3	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	6.0	5.2	4.2	3.5	6.5	5.9	3.8	3.0	1.7	2.0
231	Men's and boys' suits and coats	5.2	-	3.1	-	4.4	-	2.3	-	1.3	-
232	Men's and boys' furnishings	5.9	-	4.8	-	6.7	-	5.0	-	.8	-
2321	Men's and boys' shirts and nightwear	5.6	-	4.4	-	6.5	-	4.6	-	.8	-
2327	Men's and boys' separate trousers	4.6	-	3.9	-	5.4	-	4.4	-	.3	-
2328	Men's and boys' work clothing	7.6	-	6.6	-	7.6	-	6.4	-	.2	-
234	Women's and children's undergarments	6.2	-	4.9	-	6.0	-	4.4	-	.8	-
2341	Women's and children's underwear	6.9	-	5.5	-	6.5	-	5.0	-	.8	-
2342	Corsets and allied garments	4.1	-	3.0	-	4.5	-	2.7	-	.9	-
26	PAPER AND ALLIED PRODUCTS	3.1	2.3	2.4	1.7	3.9	2.8	2.1	1.0	.9	1.1
261,2,6	Paper and pulp mills	2.0	-	1.1	-	3.1	-	1.7	-	.7	-
263	Paperboard mills	2.0	-	1.6	-	2.8	-	1.7	-	.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p	Sept. 1976	Oct. 1976 ^p
	NONDURABLE GOODS—Continued										
	PAPER AND ALLIED PRODUCTS—Continued										
264	Miscellaneous converted paper products	3.7	-	2.9	-	4.7	-	2.2	-	1.6	-
2643	Bags, except textile bags	4.4	-	3.8	-	4.5	-	2.2	-	1.2	-
265	Paperboard containers and boxes	3.9	-	3.2	-	4.2	-	2.3	-	.8	-
2651,2	Folding and setup paperboard boxes	5.0	-	4.1	-	4.3	-	2.3	-	.9	-
2653	Corrugated and solid fiber boxes	3.4	-	3.1	-	3.8	-	2.2	-	.6	-
27	PRINTING AND PUBLISHING	3.8	2.9	3.2	2.4	3.5	3.0	2.2	1.7	.7	0.8
28	CHEMICALS AND ALLIED PRODUCTS	1.9	1.7	1.5	1.3	2.2	1.7	1.1	.7	.4	.5
281	Industrial chemicals	1.5	-	1.2	-	1.7	-	.9	-	.2	-
282	Plastics materials and synthetics	1.4	-	1.0	-	2.0	-	.9	-	.6	-
2821	Plastics materials and resins	1.7	-	1.4	-	1.9	-	1.1	-	.3	-
2823,4	Synthetic fibers	1.1	-	.5	-	2.1	-	.7	-	1.0	-
283	Drugs	1.9	-	1.7	-	2.1	-	1.3	-	.2	-
2834	Pharmaceutical preparations	2.0	-	1.7	-	2.2	-	1.4	-	.3	-
284	Soap, cleaners, and toilet goods	2.9	-	2.4	-	3.0	-	1.5	-	.6	-
2841	Soap and other detergents	1.9	-	1.5	-	2.5	-	.7	-	.7	-
2844	Toilet preparations	4.0	-	3.5	-	3.5	-	2.0	-	.4	-
285	Paints and allied products	2.2	-	2.0	-	3.3	-	1.7	-	.7	-
286,9	Other chemical products	2.7	-	1.8	-	2.6	-	1.3	-	.6	-
29	PETROLEUM AND COAL PRODUCTS	2.2	1.7	1.8	1.4	2.4	1.8	1.0	.6	.6	.7
291	Petroleum refining	1.6	-	1.4	-	1.9	-	.6	-	.7	-
295,9	Other petroleum and coal products	4.1	-	3.1	-	3.8	-	2.3	-	.5	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	5.5	4.6	4.3	3.6	5.6	4.7	3.2	2.2	1.2	1.5
301	Tires and inner tubes	2.9	-	1.3	-	2.4	-	1.2	-	.5	-
302,3,6	Other rubber products	5.0	-	4.0	-	5.0	-	2.9	-	.9	-
307	Miscellaneous plastics products	6.6	-	5.3	-	6.9	-	4.0	-	1.6	-
31	LEATHER AND LEATHER PRODUCTS	6.7	5.7	4.7	3.8	8.5	7.2	4.8	3.6	2.4	2.3
311	Leather tanning and finishing	3.6	-	2.7	-	5.7	-	3.2	-	1.7	-
314	Footwear, except rubber	6.3	-	4.7	-	8.8	-	5.3	-	2.4	-
	NONMANUFACTURING										
10	METAL MINING	3.0	2.7	2.6	2.1	3.2	2.6	2.2	1.1	.2	.5
101	Iron ores	2.4	-	1.9	-	2.6	-	1.6	-	.1	-
102	Copper ores	2.7	-	2.1	-	2.0	-	1.1	-	.4	-
11,12	COAL MINING	2.5	1.9	1.6	1.4	2.5	1.3	1.1	.7	.7	.3
12	Bituminous coal and lignite mining	2.5	-	1.6	-	2.5	-	1.1	-	.7	-
	COMMUNICATION:										
481	Telephone communication	.6	-	-	-	.9	-	.5	-	.2	-
482	Telegraph communication ²	1.2	-	-	-	2.3	-	1.0	-	.7	-

¹ Less than 0.05.

² Data relate to all employees except messengers.

p = preliminary.

* Data for Telegraph Communication SIC 482 are: July 1976-1.9, 2.7, 1.4, and 0.6. Corrected August 1976-0.8, 0.6, 0.3, and 0.1.

ESTABLISHMENT DATA

SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1965 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1965	4.1	4.2	4.3	4.1	4.1	4.2	4.2	4.3	4.5	4.4	4.7	4.9
1966	4.9	5.0	5.3	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7	4.7
1967	4.5	4.4	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.6
1968	4.4	4.4	4.6	4.6	4.6	4.5	4.5	4.7	4.6	4.8	4.9	4.9
1969	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972	4.3	4.3	4.4	4.3	4.4	4.2	4.3	4.4	4.4	4.5	4.5	4.9
1973	5.0	5.1	5.0	4.8	4.7	4.6	4.6	4.7	4.6	4.8	4.9	4.7
1974	4.6	4.5	4.5	4.6	4.6	4.3	4.3	4.1	3.9	3.6	3.1	3.1
1975	3.1	3.2	3.2	3.7	3.6	3.7	4.0	3.9	3.8	3.7 ^p	3.7	3.9
1976	4.1	4.2	4.4	4.1	4.0	3.8	3.8	3.8	3.6	3.5 ^p		
1977												
New hires												
1965	2.9	3.0	3.1	2.9	2.9	3.0	3.0	3.1	3.1	3.3	3.5	3.7
1966	3.7	3.8	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.9	3.7	3.6
1967	3.4	3.4	3.2	3.1	3.1	3.3	3.2	3.1	3.3	3.3	3.4	3.5
1968	3.3	3.3	3.4	3.5	3.5	3.4	3.4	3.5	3.6	3.6	3.6	3.7
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.6	3.5	3.7	3.6	3.5	3.5
1970	3.4	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972	3.0	3.0	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.6	3.8
1973	4.0	4.2	4.1	3.9	3.9	3.8	3.7	3.7	3.6	3.8	3.9	3.8
1974	3.7	3.6	3.6	3.6	3.5	3.3	3.3	3.1	2.9	2.6	2.2	1.9
1975	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.2	2.2 ^p	2.2	2.5
1976	2.6	2.8	3.0	2.8	2.7	2.7	2.5	2.5	2.4	2.3 ^p		
1977												
Total separations												
1965	3.8	3.8	3.8	4.0	4.0	4.0	3.9	4.4	4.1	4.3	4.3	4.5
1966	4.3	4.3	4.5	4.5	4.6	4.7	4.9	4.8	4.6	4.6	4.8	4.9
1967	4.8	4.9	4.9	4.7	4.6	4.6	4.5	4.3	4.5	4.5	4.4	4.5
1968	4.7	4.6	4.5	4.5	4.4	4.5	4.6	4.7	4.7	4.6	4.6	4.6
1969	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972	4.2	4.1	4.0	4.3	4.2	4.5	4.4	4.1	4.0	4.2	4.2	4.5
1973	4.5	4.6	4.6	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.7	4.7
1974	4.9	4.9	4.8	4.7	4.6	4.6	4.5	4.5	4.5	4.9	5.1	4.9
1975	5.2	5.0	4.5	4.4	4.6	4.3	3.9	3.8	3.9	3.8 ^p	3.8	3.6
1976	3.5	3.6	3.8	3.8	3.8	3.9	3.9	4.0	4.1	3.9 ^p		
1977												
Quits												
1965	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.2
1966	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7
1967	2.5	2.5	2.4	2.4	2.3	2.4	2.2	2.2	2.3	2.3	2.3	2.4
1968	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5	2.6	2.6
1969	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
1970	2.5	2.5	2.3	2.3	2.1	2.1	2.1	2.0	2.0	1.9	1.8	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.6
1973	2.7	2.9	2.8	2.8	2.7	2.7	2.8	2.7	2.6	2.8	2.8	2.7
1974	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.8	1.6
1975	1.4	1.3	1.2	1.2	1.3	1.3	1.4	1.4	1.3	1.4	1.6	1.6
1976	1.6	1.7	1.8	1.8	1.7	1.8	1.7	1.7	1.6	1.5 ^p		
1977												
Layoffs												
1965	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.4	1.4	1.4
1966	1.2	1.1	1.1	1.1	1.1	1.2	1.5	1.2	1.0	1.1	1.2	1.3
1967	1.4	1.5	1.6	1.5	1.4	1.3	1.4	1.3	1.3	1.3	1.2	1.2
1968	1.4	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.1
1969	1.0	1.1	1.1	1.0	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.6	1.9	1.9	2.2	2.0	1.7
1971	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972	1.2	1.2	1.1	1.2	1.1	1.4	1.3	1.1	1.0	1.0	.9	.9
1973	.8	.7	.8	.8	.8	.8	1.1	.9	.9	.9	.9	1.0
1974	1.3	1.2	1.1	1.0	1.1	1.2	1.2	1.3	1.5	2.0	2.4	2.4
1975	2.9	2.9	2.6	2.4	2.5	2.2	1.7	1.6	1.8	1.7	1.5	1.3
1976	1.1	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.7	1.6 ^p		
1977												

p=preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Aug. 1976	Sept. 1976 ^P	Aug. 1976	Sept. 1976 ^P	Aug. 1976	Sept. 1976 ^P	Aug. 1976	Sept. 1976 ^P	Aug. 1976	Sept. 1976 ^P
ALABAMA:										
Birmingham	3.6	2.8	1.8	1.7	3.8	3.0	1.6	1.3	1.6	1.1
Mobile ¹	7.1	7.7	3.3	3.3	7.4	7.0	3.6	2.9	3.0	3.4
ALASKA	18.7	13.6	17.6	11.8	38.2	20.1	15.4	10.8	19.1	7.5
ARIZONA	4.6	5.5	3.7	3.8	4.8	3.9	2.7	2.2	1.1	.7
Phoenix	4.4	4.8	3.6	3.5	4.6	3.6	2.4	2.0	1.2	.7
ARKANSAS	8.3	6.9	7.1	5.9	8.5	6.6	6.6	4.7	.7	.8
Fort Smith	10.3	8.4	7.8	7.1	9.4	6.8	7.1	3.8	.6	.6
Little Rock-North Little Rock	6.9	5.1	6.1	4.7	6.9	7.0	4.7	3.8	.8	2.0
Pine Bluff	7.6	5.5	6.7	4.7	7.0	7.2	3.6	4.8	3.1	2.0
COLORADO	4.4	4.0	3.7	3.2	5.5	4.4	3.1	2.9	1.4	.7
Denver-Boulder	4.3	3.5	3.6	2.9	7.1	6.6	5.0	2.8	1.0	2.4
CONNECTICUT	2.8	2.6	2.0	1.9	2.9	2.9	1.5	1.5	.6	.6
Hartford	1.9	1.4	1.3	.9	2.7	1.9	.8	.9	.5	.4
DELAWARE¹	5.1	2.3	1.4	1.1	2.7	2.7	1.1	1.1	.8	.8
Wilmington ¹	4.9	2.3	1.1	1.1	2.5	3.1	.9	1.1	.8	1.2
DISTRICT OF COLUMBIA:										
Washington SMSA	1.6	(*)	1.5	(*)	1.7	(*)	1.0	(*)	.3	(*)
FLORIDA	5.5	5.3	4.3	4.2	5.5	4.8	3.1	3.0	1.3	.8
Fort Lauderdale-Hollywood	6.1	6.4	5.6	5.6	6.6	5.7	3.3	3.3	1.6	1.3
Jacksonville	4.9	4.3	4.0	3.3	5.5	4.9	2.7	2.3	1.9	1.1
Miami	5.0	5.3	3.9	4.4	5.5	4.5	3.1	2.7	1.5	.8
Orlando	4.4	5.6	3.7	3.8	5.3	3.9	2.8	2.5	1.5	.4
Pensacola	3.2	1.5	1.9	1.4	3.0	2.6	2.0	1.8	.7	.4
Tampa-St. Petersburg	5.9	6.3	4.8	4.6	6.1	6.1	3.7	3.4	1.4	1.5
West Palm Beach-Boca Raton	3.9	3.3	3.1	2.6	2.9	3.1	2.2	2.1	.1	.4
GEORGIA	5.4	4.6	4.5	3.8	5.1	5.2	3.7	3.4	.5	.9
Atlanta ²	4.3	2.8	3.2	2.1	3.4	3.4	2.2	2.0	.5	.6
HAWAII³	2.9	2.2	1.4	1.7	2.4	2.6	1.0	1.1	.9	.6
IDAHO^{4 5}	7.3	5.6	6.8	5.2	11.9	7.7	6.1	4.6	4.5	2.1
ILLINOIS:										
Chicago SMSA	3.7	3.4	2.9	2.9	4.3	3.4	2.6	1.9	.4	.5
INDIANA	3.8	3.3	2.5	2.1	3.9	3.5	2.2	1.5	.8	1.1
Indianapolis ⁶	3.1	2.5	1.9	1.4	3.1	2.7	1.7	1.1	.4	.6
IOWA	5.2	4.2	4.3	3.5	5.0	3.9	3.6	2.5	.6	.7
Cedar Rapids	3.7	2.9	2.8	1.5	3.4	5.4	1.6	1.3	1.1	3.4
Des Moines	4.3	4.0	2.9	3.1	4.6	3.8	3.2	2.4	.3	.2
KANSAS	6.1	5.8	5.5	5.1	7.4	5.3	5.3	3.4	.8	.8
Topeka	5.4	2.8	4.2	2.6	7.5	4.4	3.8	1.8	2.4	1.2
Wichita	5.7	5.7	5.0	5.1	6.2	5.1	4.3	3.0	.7	.9
KENTUCKY	4.7	3.7	2.9	2.4	3.9	4.1	2.4	1.7	.7	1.2
Louisville	2.9	3.0	1.6	1.3	2.6	3.9	1.4	1.0	.4	1.4
LOUISIANA:										
New Orleans	4.4	4.3	3.6	3.7	5.4	4.1	3.8	2.6	.4	.4
MAINE	7.8	6.8	5.5	4.9	7.3	8.6	4.5	4.7	1.7	2.8
Portland	3.7	3.3	3.2	2.5	6.1	4.5	3.1	3.0	.9	.9
MARYLAND	3.4	3.0	2.1	2.1	4.1	3.7	1.8	1.5	1.5	1.4
Baltimore	3.0	2.6	1.8	1.7	4.0	3.7	1.5	1.3	1.6	1.6
MASSACHUSETTS	4.5	4.1	2.9	3.0	4.3	4.3	2.4	2.3	1.0	1.4
Boston	3.6	3.0	2.1	2.4	3.6	4.1	2.0	1.9	.9	1.5
MICHIGAN	4.0	2.9	2.4	1.9	3.4	2.5	1.5	1.3	.9	.4
Detroit	4.2	3.2	2.7	2.0	3.4	3.0	1.3	1.2	1.2	1.0
Flint	4.6	2.2	4.0	1.8	1.6	2.6	.6	.5	.1	1.1
Grand Rapids	7.8	4.6	5.0	3.0	5.2	5.2	2.8	2.1	1.2	2.1
Lansing-East Lansing	5.4	2.2	4.1	1.9	1.6	2.2	.6	1.0	.2	.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

[Per 100 employees]

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p
MINNESOTA	5.2	4.4	4.2	3.6	4.4	5.4	3.1	3.3	0.7	1.4
Minneapolis—St. Paul	3.2	3.1	2.6	2.6	3.5	3.9	2.3	2.5	.6	.7
MISSISSIPPI:										
Jackson	4.5	4.0	4.0	3.5	4.6	3.1	3.0	2.0	.6	.5
MISSOURI	4.2	3.6	3.1	2.7	5.0	4.0	3.0	2.1	1.0	1.1
Kansas City	3.7	3.3	3.1	2.7	5.0	3.5	3.1	1.8	.9	.9
St. Louis	3.0	2.8	2.2	1.8	3.6	3.1	1.8	1.3	.9	1.1
MONTANA	3.1	5.4	2.8	5.0	3.5	4.4	2.3	3.3	.7	.4
NEBRASKA	5.3	4.5	4.9	3.9	5.5	4.3	4.5	3.0	.3	.5
NEVADA	7.8	(*)	7.2	(*)	8.8	(*)	4.2	(*)	2.4	(*)
NEW HAMPSHIRE	4.4	5.0	3.7	4.3	4.6	5.1	3.2	3.7	.5	.6
NEW JERSEY:										
Camden ⁷	4.8	3.2	2.8	2.2	4.1	4.0	1.6	1.5	1.5	1.4
Hackensack	5.3	4.2	2.7	3.3	4.7	4.4	2.1	2.3	1.8	.9
Jersey City	4.5	4.3	2.8	2.7	5.7	3.3	1.7	1.4	2.9	1.1
Newark	4.8	3.3	2.2	2.4	3.9	3.5	1.8	1.6	1.3	1.1
New Brunswick—Perth Amboy—Sayreville	5.0	4.0	2.7	3.0	5.4	4.8	2.1	1.8	1.8	1.5
Paterson—Clifton—Passaic	4.9	3.7	2.8	2.6	4.5	4.0	2.2	1.4	1.4	1.6
Trenton	3.7	3.2	2.6	2.4	3.1	2.8	1.5	1.4	.8	.7
NEW YORK	4.8	4.6	2.6	2.8	4.5	4.1	1.8	1.7	1.7	1.5
Albany—Schenectady—Troy	3.5	3.1	1.9	2.0	3.4	2.8	1.5	1.2	1.1	.6
Binghamton	6.2	2.6	1.9	2.1	3.1	2.4	1.7	1.5	.3	.2
Buffalo	3.4	3.7	1.7	1.9	3.1	2.8	1.1	1.2	1.2	.9
Elmira	2.8	7.3	1.7	1.9	8.2	3.4	1.7	1.3	5.9	1.0
Monroe County ⁸	2.1	2.3	1.5	1.7	2.3	3.0	1.3	2.2	.5	.3
Nassau—Suffolk ⁹	5.3	4.9	3.4	4.1	5.5	5.2	3.1	2.8	1.3	1.4
New York and Nassau—Suffolk	5.3	5.4	2.9	3.5	5.1	4.6	1.9	1.8	2.2	1.9
New York SMSA ⁹	5.3	5.6	2.9	3.3	5.0	4.5	1.6	1.6	2.4	2.0
New York City ¹⁰	5.5	5.6	2.9	3.4	5.2	4.7	1.6	1.6	2.7	2.2
Rochester	3.6	3.6	2.4	2.6	2.7	4.0	1.5	2.6	.7	.9
Syracuse	3.0	2.3	1.9	1.5	2.8	2.9	1.5	1.2	.7	1.1
Utica—Rome	3.3	3.7	1.4	1.6	3.4	3.3	1.1	1.0	1.8	1.7
Westchester County ¹⁰	3.6	5.7	2.4	2.7	4.2	3.1	1.7	1.5	1.0	.8
NORTH CAROLINA	6.0	5.0	4.7	4.0	6.1	4.8	4.5	3.4	.6	.5
Charlotte—Gastonia	5.1	4.4	4.4	3.8	5.6	4.5	4.3	3.4	.4	.3
Greensboro—Winston-Salem—High Point	5.5	4.9	4.7	4.2	6.2	4.6	4.8	3.3	.3	.4
NORTH DAKOTA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Fargo—Moorhead	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
OHIO	3.6	2.8	2.4	1.8	3.1	3.6	1.4	1.6	.9	1.0
Akron	1.7	2.4	.7	.9	2.2	1.6	.7	.8	1.1	.3
Canton	2.8	2.6	1.5	1.1	2.7	4.0	1.2	1.6	.6	1.2
Cincinnati	2.6	2.4	2.1	1.9	3.0	3.2	1.7	1.6	.6	.7
Cleveland	3.1	2.8	2.2	2.0	3.0	3.0	1.5	1.6	.6	.6
Columbus	2.9	2.3	2.3	1.6	2.8	2.7	1.2	1.3	.8	.6
Dayton	3.0	2.0	2.0	1.5	1.8	2.4	1.0	1.1	.3	.4
Toledo	3.2	3.0	1.7	1.9	3.1	2.9	1.2	1.4	.7	.6
Youngstown—Warren	2.7	2.2	.7	.5	2.8	4.3	.6	.7	1.2	2.6
OKLAHOMA	6.8	5.8	6.1	5.1	6.9	5.5	5.3	3.9	.5	.6
Oklahoma City	6.4	5.9	5.4	4.6	6.2	4.7	4.5	3.1	.5	.6
Tulsa ¹¹	6.4	5.6	5.8	5.1	6.6	5.9	5.1	3.9	.2	.8
OREGON ¹	5.1	5.2	4.4	4.3	4.9	6.2	3.0	4.1	.8	1.0
Portland ¹	5.0	5.1	4.1	4.0	4.7	5.4	2.8	3.4	1.0	1.1
PENNSYLVANIA	3.9	3.1	1.9	1.7	3.7	3.6	1.6	1.4	1.3	1.5
Allentown—Bethlehem—Easton	4.2	2.9	1.9	1.4	4.3	3.6	1.6	1.3	2.2	1.8
Altoona	6.6	3.4	4.8	2.4	6.3	4.7	3.4	2.5	2.2	1.5
Erie	3.8	3.4	1.2	2.1	2.8	3.0	1.4	1.3	.6	.7
Harrisburg	3.5	2.7	2.4	1.9	3.9	2.9	1.7	1.8	1.5	.7
Johnstown	4.2	3.1	1.3	1.1	6.9	6.8	1.1	1.3	4.2	4.3
Lancaster	2.8	2.5	2.2	2.0	3.2	3.3	2.2	2.2	.4	.5

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p	Aug. 1976	Sept. 1976 ^p
PENNSYLVANIA—Continued										
Northeast Pennsylvania	6.0	4.6	2.4	1.7	5.3	4.8	2.0	1.4	2.6	3.0
Philadelphia SMSA	3.3	2.9	2.0	2.0	3.3	3.3	1.6	1.4	.8	1.0
Pittsburgh	3.0	2.4	1.0	.8	3.7	3.4	1.0	1.0	1.8	1.6
Reading	5.0	4.4	2.5	2.5	3.4	3.6	2.1	1.8	.6	1.0
Scranton	6.0	3.1	2.5	1.7	4.2	4.0	1.7	1.4	1.7	2.1
Wilkes-Barre—Hazleton ¹²	5.5	5.8	2.3	1.5	5.5	6.2	1.9	1.5	2.9	4.3
Williamsport	2.6	3.1	1.8	1.4	3.3	4.5	1.5	1.1	1.3	3.1
York	5.8	5.8	2.9	3.1	4.0	4.0	2.5	2.3	.8	.9
RHODE ISLAND										
Providence—Warwick—Pawtucket	6.5	6.6	5.1	5.0	5.4	6.2	3.3	4.0	1.1	1.1
	6.4	7.0	5.1	4.3	5.0	6.4	3.3	4.4	.8	1.0
SOUTH CAROLINA:										
Greenville—Spartanburg ⁵	5.9	4.9	5.2	4.3	6.4	5.0	4.6	3.5	.5	.3
SOUTH DAKOTA										
Sioux Falls	5.8	4.7	5.3	4.5	8.0	6.2	6.5	3.7	.9	1.6
	4.7	3.5	4.6	3.4	5.7	3.7	5.2	2.4	.1	(¹³)
TENNESSEE:										
Memphis	4.8	4.6	3.8	3.3	5.6	4.7	2.9	2.3	1.5	1.3
TEXAS:										
Dallas—Fort Worth	6.0	5.3	5.5	4.9	6.0	5.2	4.3	3.4	.4	.5
Houston	4.9	4.4	4.5	3.9	5.4	4.4	3.9	3.0	.4	.6
San Antonio	4.9	4.4	4.3	3.8	5.9	4.7	4.5	3.4	.6	.4
UTAH⁴										
Salt Lake City—Ogden ⁴	6.5	5.5	5.7	4.7	5.7	6.3	4.2	4.4	.4	.8
	6.1	5.2	5.5	4.8	5.3	6.4	4.0	4.4	.2	.8
VERMONT										
Burlington	4.0	3.8	2.4	2.3	3.7	4.2	1.9	2.0	1.0	1.7
Springfield	3.0	2.1	1.9	1.5	2.0	1.9	.5	.7	1.0	.8
	2.8	3.9	1.1	1.4	2.4	3.7	.9	.8	.8	2.5
VIRGINIA										
Richmond	4.1	4.1	3.2	3.2	4.3	3.8	2.9	2.4	.5	.6
	3.3	2.2	2.5	1.9	2.6	2.6	1.7	1.5	.1	.2
WASHINGTON:										
Seattle—Everett ¹⁴	3.5	3.9	2.3	2.4	3.5	3.8	1.3	2.0	1.6	1.3
WISCONSIN										
Milwaukee	6.6	3.8	3.9	2.6	5.2	4.7	3.1	2.2	1.1	1.7
	4.4	3.0	2.4	2.2	4.2	3.2	2.2	1.6	.8	.7
WYOMING										
	7.4	8.3	5.8	6.0	8.9	7.1	7.1	5.1	1.0	.3

¹ Excludes canning and preserving.

² Excludes agricultural chemicals, and miscellaneous manufacturing.

³ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁴ Excludes canning and preserving, and sugar.

⁵ Based on the 1972 Standard Industrial Classification.

⁶ Excludes canning and preserving, and newspapers.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

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

¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Excludes new-hire rate for transportation equipment.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹³ Less than 0.05.

¹⁴ Excludes canning and preserving, printing and publishing.

* Not available.

^p preliminary.

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	
	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976
ALABAMA	1,468.7	1,479.4	93.7	92.4	5.4	6.2
Birmingham	346.3	347.4	21.5	21.0	6.2	6.1
Huntsville	122.1	122.8	8.5	8.7	7.0	7.1
Mobile	162.9	162.5	10.1	10.0	6.2	6.1
Montgomery	101.9	102.8	5.5	5.3	5.4	5.1
Tuscaloosa	51.7	51.1	3.0	2.7	3.7	5.2
ALASKA	201.5	198.1	15.9	17.8	7.9	9.0
ARIZONA	863.8	872.9	55.7	56.2	6.5	6.4
Phoenix	502.2	508.7	32.6	32.6	6.5	6.4
Tucson	165.2	167.7	8.5	8.9	5.1	5.3
ARKANSAS	861.7	862.7	42.6	44.2	5.0	5.1
Fayetteville-Springdale	61.2	61.4	2.3	2.3	3.8	3.8
Fort Smith	73.8	74.3	4.4	5.1	6.0	6.8
Little Rock-North Little Rock	160.1	160.5	6.8	7.1	4.2	4.4
Pine Bluff	32.0	32.2	1.9	2.0	5.0	6.3
CALIFORNIA	9,599.6	9,540.2	635.3	632.6	8.7	8.7
Anaheim-Santa Ana-Garden Grove	816.6	824.4	51.4	49.1	5.3	6.0
Bakersfield	147.1	144.0	12.7	11.3	8.6	7.8
Fresno	255.3	214.5	17.7	15.2	5.9	7.1
Los Angeles-Long Beach	3,223.6	3,224.8	279.6	269.7	8.7	8.4
Modesto	116.2	110.3	8.4	11.1	7.2	10.1
Oxnard-Simi Valley-Ventura	175.1	175.1	14.0	14.3	8.0	8.2
Riverside-San Bernardino-Ontario	486.2	489.6	44.6	42.6	9.2	8.7
Sacramento	388.5	380.3	32.1	33.7	8.3	8.9
Salinas-Seaside-Monterey	104.5	101.1	6.8	6.8	6.5	6.7
San Diego	628.7	637.2	67.4	68.7	10.7	10.8
San Francisco-Oakland	1,476.7	1,480.1	155.5	159.2	10.5	10.8
San Jose	602.5	597.9	40.9	43.4	6.8	7.3
Santa Barbara-Santa Maria-Lompoc	119.4	118.0	9.0	8.3	7.5	7.0
Santa Rosa	103.4	102.8	10.2	9.8	9.9	9.5
Stockton	139.7	134.7	9.8	12.7	7.0	9.4
Vallejo-Fairfield-Napa	105.4	104.6	7.6	7.7	7.2	7.4
COLORADO	1,183.0	1,185.4	66.2	63.6	5.6	5.4
Denver-Boulder	693.8	695.0	46.0	43.4	6.6	6.2
CONNECTICUT	1,460.7	1,451.1	130.1	119.6	8.9	8.2
Bridgeport	182.6	181.4	18.8	17.2	10.3	9.5
Hartford	346.5	342.5	29.7	25.0	8.6	7.3
New Britain	68.6	69.1	6.9	6.5	10.1	9.5
New Haven-West Haven	194.9	194.8	18.6	17.9	9.5	9.2
Stamford	106.7	106.0	7.4	6.7	7.0	6.3
Waterbury	105.5	104.0	10.1	9.5	9.6	9.2
DELAWARE	246.8	247.2	18.1	18.0	7.3	7.3
Wilmington ¹	223.0	223.4	17.4	16.5	7.8	7.4
DISTRICT OF COLUMBIA	345.8	345.1	25.1	24.6	7.3	7.1
Washington SMSA ¹	1,456.9	1,454.5	76.3	74.6	5.2	5.1
FLORIDA	3,309.6	3,325.3	329.2	319.9	9.9	9.6
Fort Lauderdale-Hollywood	315.6	318.6	35.9	36.2	11.4	11.4
Jacksonville	291.8	290.9	20.8	20.0	7.1	6.9
Miami	671.9	673.0	71.5	65.9	10.6	9.8
Orlando	256.8	258.1	26.0	24.9	10.1	9.6
Pensacola	102.9	103.0	6.5	6.7	6.4	6.5
Tampa-St. Petersburg	515.7	520.0	52.7	53.1	10.2	10.2
West Palm Beach-Boca Raton	178.7	181.3	21.0	20.3	11.8	11.2
GEORGIA	2,114.8	2,123.4	126.5	125.6	6.0	5.9
Atlanta	791.7	796.1	53.3	53.8	6.7	6.8
Augusta ¹	118.4	118.7	7.2	6.8	6.1	5.8
Columbus ¹	85.1	84.7	4.9	4.9	5.8	5.7
Macon	96.5	96.0	7.1	6.6	7.4	6.9
Savannah	79.4	80.5	4.5	4.4	5.7	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	
	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976
HAWAII	357.3	361.2	31.4	31.7	8.8	8.8
Honolulu	285.9	289.8	25.1	25.2	8.8	8.7
IDAHO	380.2	391.2	19.0	17.7	5.0	4.5
Boise City	72.4	74.6	2.6	2.5	3.6	3.4
ILLINOIS	5,040.5	N.A.	337.2	N.A.	6.7	N.A.
Bloomington—Normal	56.2	N.A.	1.9	N.A.	3.4	N.A.
Champaign—Urbana—Rantoul	72.1	N.A.	2.7	N.A.	3.7	N.A.
Chicago	3,169.9	N.A.	222.8	N.A.	7.0	N.A.
Davenport—Rock Island—Moline ¹	174.1	N.A.	8.8	N.A.	5.1	N.A.
Decatur	57.9	N.A.	4.1	N.A.	7.1	N.A.
Peoria	164.4	N.A.	6.7	N.A.	4.1	N.A.
Rockford	128.3	N.A.	8.4	N.A.	6.6	N.A.
Springfield	88.6	N.A.	4.8	N.A.	5.4	N.A.
INDIANA	2,376.0	2,376.7	105.8	109.9	4.5	4.6
Evansville ¹	122.8	122.7	5.8	5.7	4.7	4.6
Fort Wayne	173.5	173.6	7.9	7.6	4.6	4.4
Gary—Hammond—East Chicago	276.0	274.6	14.7	16.1	5.3	5.9
Indianapolis	522.6	524.0	19.4	20.3	3.7	3.9
Muncie	53.2	53.8	2.5	2.5	4.6	4.6
South Bend	129.7	130.4	5.5	6.2	4.3	4.7
Terre Haute	75.7	76.0	3.6	3.5	4.7	4.6
IOWA	1,328.3	1,335.4	50.4	51.1	3.8	3.8
Cedar Rapids	76.9	77.2	2.7	3.0	3.5	3.8
Des Moines	160.7	160.4	7.6	7.3	4.8	4.6
Dubuque	40.7	40.7	2.2	2.3	5.4	5.8
Sioux City ¹	54.7	55.1	1.9	2.1	3.5	3.8
Waterloo—Cedar Falls	60.9	61.3	3.4	3.5	5.7	5.8
KANSAS	1,070.9	1,069.6	46.4	38.9	3.8	3.6
Topeka	83.4	83.3	3.6	3.5	4.3	4.2
Wichita	187.5	189.7	9.0	8.6	4.8	4.6
KENTUCKY	1,441.3	1,445.3	75.5	74.3	5.2	5.1
Lexington—Fayette	145.7	152.3	4.3	4.4	3.0	2.9
Louisville ¹	388.1	382.1	26.0	24.6	6.7	6.4
LOUISIANA	1,476.5	1,471.7	103.6	105.3	7.0	7.2
Baton Rouge	174.4	174.2	10.4	11.6	6.0	6.6
Lake Charles	57.9	58.0	4.5	4.7	7.7	8.1
Monroe	47.7	46.9	3.8	3.7	8.0	7.8
New Orleans	435.6	432.6	35.6	35.4	8.2	8.2
Shreveport	139.5	139.5	9.6	9.9	7.1	7.1
MAINE	452.9	440.6	30.6	32.0	6.8	7.3
Lewiston—Auburn	34.0	34.1	2.0	2.2	5.9	6.5
Portland	77.9	77.8	5.5	5.4	7.1	6.9
MARYLAND	1,854.0	1,857.6	107.5	103.0	5.8	5.5
Baltimore	932.0	937.2	62.7	60.3	6.7	6.4
MASSACHUSETTS	2,638.5	2,631.2	172.2	160.5	6.5	6.1
Boston	1,288.6	1,287.8	85.9	79.8	6.7	6.2
Brockton	73.5	74.5	5.3	5.0	7.2	6.6
Fall River ¹	68.9	68.5	4.7	4.5	6.8	6.6
Lawrence—Haverhill ¹	121.6	122.4	10.6	9.6	8.7	7.8
Lowell ¹	99.5	99.5	6.9	6.2	6.9	6.3
New Bedford	74.3	74.3	5.2	5.7	7.0	7.6
Springfield—Chicopee—Holyoke ¹	251.6	255.3	14.7	13.6	5.8	5.3
Worcester	178.2	178.9	10.6	9.4	6.0	5.3
MICHIGAN	3,888.5	3,888.5	347.8	343.3	8.9	8.8
Ann Arbor	124.3	126.7	8.9	8.7	7.2	6.9
Battle Creek	79.8	80.0	6.9	6.6	8.7	8.2
Bay City	49.9	49.9	4.1	4.0	8.3	8.0
Detroit	1,841.4	1,834.9	177.2	172.8	9.6	9.4
Flint	205.8	207.5	17.1	17.0	8.3	8.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976
MICHIGAN—Continued						
Grand Rapids	257.7	261.3	17.0	16.4	6.9	7.0
Jackson	64.1	64.3	5.8	6.1	9.1	9.5
Kalamazoo—Portage	124.1	124.6	6.4	6.6	6.8	6.9
Lansing—East Lansing	202.0	210.6	15.0	14.1	7.4	6.7
Muskegon—Norton Shores—Muskegon Heights	75.0	74.3	6.4	6.3	8.5	8.5
Saginaw	97.6	97.4	8.3	7.1	8.2	7.3
MINNESOTA						
Duluth—Superior	1,825.0	1,825.7	76.0	76.2	4.3	4.2
Minneapolis—St. Paul	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
.....	973.6	979.8	52.7	50.6	5.4	5.2
MISSISSIPPI						
Jackson	931.7	935.2	40.3	50.6	5.2	5.4
.....	128.0	128.3	6.1	6.3	4.7	4.9
MISSOURI						
Kansas City ¹	2,069.4	2,068.5	94.7	92.2	4.6	4.5
St. Joseph	607.4	605.6	33.3	33.3	5.5	5.5
St. Louis ¹	44.6	44.3	1.5	1.7	4.1	3.9
Springfield	1,002.7	1,005.6	62.8	59.9	6.3	6.0
.....	90.5	90.5	2.8	2.6	3.0	2.9
MONTANA						
Billings	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Great Falls	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
NEBRASKA						
Lincoln	695.8	702.7	26.4	27.0	4.1	3.6
Omaha ¹	98.8	99.2	3.2	3.0	3.2	3.0
.....	248.1	251.7	16.6	15.5	6.7	6.2
NEVADA						
Las Vegas	302.5	302.5	22.7	23.0	7.5	7.6
Reno	160.8	162.3	14.1	14.7	8.8	9.1
.....	82.3	82.7	4.1	4.1	5.0	4.9
NEW HAMPSHIRE						
Manchester	377.4	373.1	11.0	10.4	3.1	2.8
.....	63.5	62.0	2.1	2.0	3.3	3.1
NEW JERSEY						
Atlantic City	3,154.9	3,175.6	252.9	260.0	8.0	8.2
Jersey City	75.7	71.2	6.2	6.6	8.1	9.5
Long Branch—Asbury Park	240.6	240.1	23.0	24.6	9.8	10.0
Newark	203.9	201.1	13.2	14.5	6.6	7.2
New Brunswick—Perth Amboy—Sayreville	863.4	876.3	67.9	68.1	7.9	7.8
Paterson—Clifton—Passaic	269.0	275.3	21.4	21.5	8.0	7.8
Trenton	193.6	196.3	16.3	18.4	9.5	9.4
Vineland—Millville—Bridgeton	148.9	150.5	6.2	6.8	5.5	5.8
.....	53.3	53.1	4.0	5.0	9.0	9.4
NEW MEXICO						
Albuquerque	454.9	460.4	28.4	30.4	5.2	6.6
.....	170.4	173.3	11.1	12.7	6.5	7.3
NEW YORK						
Albany—Schenectady—Troy	7,477.7	7,480.8	629.1	629.1	8.4	8.4
Binghamton ¹	342.3	341.4	23.5	23.1	6.9	6.8
Buffalo	127.2	127.7	7.7	8.2	6.1	6.4
Elmira	555.6	554.5	50.5	50.4	9.1	9.1
Nassau—Suffolk	41.1	40.9	3.0	3.0	7.3	7.4
New York	1,128.0	1,125.1	83.4	79.5	7.4	7.1
Poughkeepsie	3,455.4	3,467.3	326.5	327.7	9.4	9.5
Rochester	94.5	95.2	4.8	5.0	5.1	5.3
Syracuse	452.4	457.0	27.4	27.3	6.1	6.0
Utica—Rome	283.7	285.2	22.4	21.4	7.9	7.5
.....	127.8	127.1	11.8	11.6	9.2	9.1
NORTH CAROLINA						
Asheville	2,459.7	2,432.9	148.7	146.3	6.0	6.1
Charlotte—Gastonia	75.3	75.0	3.6	3.7	5.0	4.9
Greensboro—Winston-Salem—High Point	299.0	297.1	16.9	15.3	5.7	5.2
Raleigh—Durham	379.9	377.9	20.4	19.2	5.4	5.1
.....	240.3	239.9	9.9	9.0	4.1	3.7
NORTH DAKOTA						
Fargo—Moorhead ¹	293.3	283.6	10.8	11.2	3.7	4.0
.....	65.2	65.8	2.4	2.0	3.6	3.0

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	
	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976
OHIO	4,691.6	4,709.6	290.1	297.3	6.2	6.3
Akron	284.5	285.0	19.4	19.7	7.0	6.9
Canton	174.6	177.3	11.5	12.7	6.6	7.2
Cincinnati ¹	609.2	607.8	41.3	40.8	6.8	6.7
Cleveland	679.8	685.5	47.8	49.4	7.0	7.2
Columbus	499.7	502.5	28.8	28.0	5.7	5.6
Dayton	352.1	352.6	18.7	18.9	5.3	5.4
Toledo ¹	333.8	336.5	20.3	20.4	6.1	6.1
Youngstown—Warren	233.0	231.8	18.4	19.8	7.9	8.5
OKLAHOMA	1,182.6	1,190.7	82.1	81.5	6.9	6.8
Oklahoma City	360.7	362.7	25.4	25.0	7.0	6.9
Tulsa	274.7	276.4	19.0	19.0	6.9	6.9
OREGON	1,060.2	1,078.1	84.1	84.5	7.8	7.8
Eugene—Springfield	111.3	111.3	10.7	9.9	9.6	8.9
Portland ¹	514.7	518.9	39.9	40.3	7.8	7.8
Salem	101.8	N.A.	6.5	N.A.	6.4	N.A.
PENNSYLVANIA	5,036.0	5,041.0	370.5	378.0	7.4	7.5
Allentown—Bethlehem—Easton ¹	297.0	296.0	23.8	22.9	8.0	7.7
Altoona	54.7	54.5	3.8	3.8	6.9	7.0
Erie	119.7	120.1	10.4	10.0	8.7	8.8
Harrisburg	206.5	206.3	10.6	9.9	5.1	4.8
Johnstown	104.1	104.3	8.3	7.8	8.0	7.5
Lancaster	162.9	161.8	8.0	7.4	4.9	4.6
Northeast Pennsylvania	271.7	270.8	26.4	26.3	9.7	9.7
Philadelphia ¹	2,012.9	2,014.2	165.3	166.0	8.2	8.2
Pittsburgh	960.9	965.5	66.3	74.7	6.9	7.7
Reading	145.1	144.8	7.7	7.5	5.3	5.2
Williamsport	49.1	49.4	4.3	4.3	8.7	8.7
York	152.9	153.7	9.5	8.5	6.2	5.5
RHODE ISLAND	409.8	411.2	35.6	34.1	8.7	8.3
Providence—Warwick—Pawtucket ¹	413.9	410.3	35.6	34.1	8.6	8.2
SOUTH CAROLINA	1,196.9	1,191.0	62.3	61.9	5.2	5.2
Charleston—North Charleston	130.4	130.2	7.4	7.4	5.7	5.7
Columbia	145.8	147.1	6.3	6.4	4.3	4.4
Greenville—Spartanburg	231.8	230.9	10.6	10.4	4.6	4.5
SOUTH DAKOTA	300.0	298.6	10.9	11.8	3.6	4.0
Sioux Falls	49.5	50.2	1.5	1.7	3.1	3.4
TENNESSEE	1,832.2	1,846.6	114.7	114.0	6.3	6.2
Chattanooga ¹	181.1	178.6	8.9	8.7	4.9	4.9
Knoxville	189.1	184.2	11.3	11.0	6.0	5.8
Memphis ¹	348.8	353.9	24.0	23.7	6.9	6.7
Nashville—Davidson	346.7	349.6	18.3	17.6	5.3	5.0
TEXAS	5,406.5	5,414.3	292.2	285.3	5.4	5.3
Amarillo	83.0	83.0	2.8	2.7	3.4	3.2
Austin	195.0	197.2	8.8	8.7	4.4	4.4
Beaumont—Port Arthur—Orange	165.0	166.4	11.5	11.7	7.0	7.1
Corpus Christi	123.3	124.9	7.7	7.5	6.3	6.0
Dallas—Fort Worth	1,198.3	1,197.4	53.5	51.4	4.5	4.3
El Paso	159.0	156.6	14.6	18.7	12.3	12.0
Galveston—Texas City	82.4	82.7	5.0	5.1	6.1	6.1
Houston	1,111.4	1,108.8	62.4	57.9	5.6	5.2
Lubbock	90.6	91.7	2.8	2.9	3.1	3.1
San Antonio	379.4	381.8	27.7	27.1	7.3	7.1
Waco	71.0	71.2	3.6	3.2	5.1	4.5
Wichita Falls	57.0	57.6	2.2	2.4	3.8	4.2
UTAH	550.1	527.1	29.3	25.0	5.3	4.7
Salt Lake City—Ogden	359.8	348.3	19.8	17.1	5.5	4.9
VERMONT	205.1	203.4	15.6	15.1	7.6	7.4

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976	SEPT. 1976	OCT. 1976
VIRGINIA	2,287.1	2,272.5	120.2	113.0	5.3	5.0
Lynchburg	68.6	68.0	3.5	2.8	5.1	4.1
Newport News—Hampton	153.5	151.0	9.6	9.1	6.3	6.0
Norfolk—Virginia Beach—Portsmouth ¹	299.1	296.0	19.3	17.1	6.1	5.7
Richmond	292.6	292.3	11.0	10.6	3.6	3.6
Roanoke	107.0	105.9	5.7	5.3	5.3	5.0
WASHINGTON	1,566.9	1,547.2	122.3	119.1	7.8	7.7
Seattle—Everett	682.1	676.0	57.0	51.4	8.4	7.6
Spokane	126.2	126.3	6.1	9.2	5.4	7.3
Tacoma	154.9	151.1	14.0	14.6	9.0	9.6
WEST VIRGINIA	651.6	651.0	33.4	32.9	5.1	5.1
Charleston	104.2	104.9	4.1	4.1	3.9	3.9
Huntington—Ashland ¹	107.0	107.0	5.6	5.9	5.4	5.5
Parkersburg—Marietta ¹	58.6	59.2	3.4	3.2	5.8	5.3
Wheeling ¹	71.9	72.6	3.2	3.8	4.5	5.2
WISCONSIN	2,135.3	2,122.7	96.1	97.0	4.5	4.6
Appleton—Oshkosh	137.6	136.2	5.5	5.8	4.0	4.2
Green Bay	65.4	65.5	4.0	4.2	4.7	4.9
Kenosha	61.4	61.8	3.2	3.1	5.3	5.1
La Crosse	41.7	42.1	1.8	2.0	4.4	4.6
Madison	167.0	166.3	9.6	5.7	3.5	3.4
Milwaukee	644.5	644.3	30.1	30.1	4.7	4.7
Racine	65.8	65.7	4.1	4.4	4.8	5.1
WYOMING	262.7	196.3	5.6	6.1	2.9	3.1

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

N.A.=not available.

NOTE: All data are provisional. They are subject to revision as new benchmark information becomes available. Data refer to place of residence.

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

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22151. When ordering please, specify "CETA Area Employment and Unemployment, January-Aug. 1976 (NTISUB/B/143-76/011)" or "Unemployment Rates for States and Identifiable Local Governments, First and Second Quarters, 1976 (NTISUB/B/028-76/002)". Tabulations are available at \$3.00 per set for microfiche or \$16.25 for printed copies.

UNEMPLOYMENT INSURANCE DATA

F-1. Insured unemployment under State programs

[Week including the 12th of the month]

State	Number (in thousands)					Rate (percent of average covered employment)		
	Nov. 1975	Oct. 1976	Nov. 1976	Change from ¹		Nov. 1975	Oct. 1976	Nov. 1976
				Nov. 1975	Oct. 1976			
TOTAL^{2, 3}	3,090.2	2,491.0	2,690.3	-399.9	199.3	4.6	3.8	4.1
SEASONALLY ADJUSTED	3,810.3	3,310.7	3,330.6	-479.7	19.9	5.7	5.0	5.1
Alabama	43.4	36.2	39.4	-4.0	3.2	4.7	3.9	4.3
Alaska	6.8	7.8	10.4	3.6	2.6	7.2	6.3	8.4
Arizona	31.6	21.0	24.0	-7.6	2.9	5.1	3.5	3.9
Arkansas	28.0	21.9	25.1	-2.9	3.1	5.3	4.2	4.8
California*	360.9	302.0	329.9	-31.1	27.9	5.5	4.5	4.9
Colorado	22.4	16.3	20.4	-2.0	4.1	3.0	2.1	2.7
Connecticut	68.2	54.6	57.2	-11.0	2.6	5.6	4.6	4.9
Delaware	7.3	8.2	7.9	0.6	-0.3	3.4	4.0	3.8
District of Columbia	13.9	11.7	11.0	-2.9	-0.6	3.8	3.3	3.1
Florida	118.2	91.0	90.4	-27.8	-0.5	4.5	3.5	3.5
Georgia	54.8	43.1	44.1	-10.7	1.0	3.8	3.0	3.1
Hawaii	17.5	14.9	14.9	-2.6	0.0	5.6	4.7	4.6
Idaho	8.9	6.1	7.5	-1.4	1.5	4.1	2.7	3.4
Illinois	203.3	171.5	161.9	-41.4	-9.6	5.3	4.6	4.4
Indiana	47.9	31.9	34.5	-13.4	2.6	2.8	2.0	2.1
Iowa	23.2	15.5	17.4	-5.8	1.9	2.8	1.9	2.2
Kansas	16.5	14.0	15.2	-1.3	1.2	2.7	2.2	2.4
Kentucky	34.5	27.1	28.8	-5.7	1.7	4.1	3.2	3.4
Louisiana	35.9	33.8	37.8	1.9	4.0	3.5	3.2	3.6
Maine	16.6	13.8	16.7	0.1	2.9	5.8	4.8	5.8
Maryland	48.5	33.8	39.4	-9.2	5.5	4.2	3.0	3.5
Massachusetts	120.4	78.5	83.5	-36.8	5.0	6.0	4.1	4.4
Michigan	167.4	130.1	139.8	-27.6	9.7	6.1	4.5	4.9
Minnesota	45.3	34.7	40.7	-4.6	5.9	3.3	2.5	2.9
Mississippi	15.6	14.9	16.4	0.8	1.8	2.9	2.8	3.0
Missouri	65.1	47.2	53.5	-11.6	6.3	4.5	3.3	3.8
Montana	8.9	6.7	8.4	-0.5	1.7	5.1	3.4	4.2
Nebraska	10.8	7.1	7.6	-3.2	0.5	2.5	1.6	1.7
Nevada	11.5	10.6	12.2	0.7	1.5	5.4	4.8	5.5
New Hampshire	10.2	6.0	7.2	-3.0	1.2	4.0	2.4	2.9
New Jersey	137.6	121.6	122.0	-15.6	0.4	6.0	5.5	5.5
New Mexico	10.9	11.3	12.0	1.0	0.6	4.2	4.2	4.4
New York	311.5	264.2	289.9	-21.6	25.7	5.3	4.7	5.1
North Carolina	58.8	52.9	57.8	-1.0	4.9	3.5	3.2	3.5
North Dakota	2.4	2.1	3.2	0.8	1.2	1.7	1.4	2.1
Ohio	125.3	89.6	107.7	-17.6	18.1	3.3	2.4	2.9
Oklahoma	27.0	21.7	21.8	-5.2	0.1	3.7	3.0	3.0
Oregon	47.4	32.0	38.5	-8.9	6.5	6.2	4.1	5.0
Pennsylvania	227.4	202.1	218.4	-8.9	16.4	5.9	5.4	5.8
Puerto Rico ²	82.2	80.2	76.8	-5.4	-3.4	13.1	13.6	12.9
Rhode Island	18.8	15.0	15.6	-3.2	0.6	5.9	4.8	5.0
South Carolina	35.1	25.1	26.8	-8.3	1.7	4.3	3.2	3.4
South Dakota	2.8	2.7	3.1	0.3	0.4	1.8	1.7	2.0
Tennessee	55.5	43.9	44.1	-11.4	0.2	4.4	3.5	3.5
Texas	71.2	58.1	63.0	-8.3	4.9	2.0	1.6	1.7
Utah	13.0	9.7	10.5	-2.5	0.7	3.8	2.8	3.0
Vermont	8.4	5.6	7.2	-1.2	1.6	6.3	4.2	5.4
Virginia	26.6	22.6	26.1	-0.5	3.5	1.9	1.6	1.9
Washington	81.2	61.8	68.4	-12.7	6.6	8.3	6.1	6.8
West Virginia	19.6	15.2	17.8	-1.8	2.5	4.2	3.2	3.7
Wisconsin	62.6	40.6	55.2	-7.4	14.6	3.9	2.6	3.5
Wyoming	1.4	1.1	1.5	0.1	0.4	1.4	1.0	1.3

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

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

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

UNEMPLOYMENT INSURANCE DATA

F-2. Insured unemployment¹ in 150 major labor areas²

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

State and area	Nov. 1975	Nov. 1976	State and area	Nov. 1975	Nov. 1976	State and area	Nov. 1975	Nov. 1976	State and area	Nov. 1975	Nov. 1976
ALABAMA			INDIANA--			NEW JERSEY			PENNSYLVANIA--		
Birmingham	11.4	9.5	Continued			Atlantic City	5.7	5.0	Continued		
Mobile	4.0	4.6				Jersey City	12.7	13.8			
			Gary-Hammond--			Newark	38.4	30.8	Northeast		
ARIZONA			East Chicago	7.2	5.7	New Brunswick--			Pennsylvania	18.1	20.2
Phoenix	18.7	13.5	Indianapolis	8.9	6.7	Perth Amboy--			Philadelphia	95.4	91.9
			South Bend	2.2	2.5	Sayreville	11.0	9.0	Pittsburgh	40.7	39.8
ARKANSAS			Terre Haute	1.5	1.5	Paterson-Clifton--			Reading	5.6	4.5
Little Rock--						Passaic	10.2	9.8	York	6.6	5.3
North Little			IOWA			Trenton	3.7	3.5			
Rock	4.5	3.7	Cedar Rapids	1.7	1.2				PUERTO RICO		
			Des Moines	3.3	2.6	NEW MEXICO			Mayaguez	2.0	2.4
CALIFORNIA						Albuquerque	(*)	6.3	Ponce	5.3	4.5
Anaheim-S. Ana--			KANSAS						San Juan	14.3	16.3
Garden Grove	26.7	20.9	Wichita	5.2	4.2	NEW YORK					
Fresno	7.5	8.3				Albany--			RHODE ISLAND		
Los Angeles-Long			KENTUCKY			Schenectady--			Providence--		
Beach	126.6	106.6	Louisville	9.5	6.7	Troy	10.1	10.1	Warwick		
Riverside-San						Binghamton	4.8	4.2	Pawtucket	19.5	15.3
Bernardino--			LOUISIANA			Buffalo	24.3	19.8			
Ontario	21.2	18.7	Baton Rouge	3.7	4.1	New York City			SOUTH CAROLINA		
Sacramento	15.4	14.8	New Orleans	11.8	13.0	Combined Areas	210.4	199.1	Charleston	4.0	3.0
San Diego	29.7	28.7	Shreveport	4.5	3.9	(a) N.Y. City			Greenville--		
San Francisco--						plus Rockland,			Spartanburg	7.8	4.8
Oakland	60.0	53.7	MAINE			Putnam, and					
San Jose	19.7	16.0	Portland	2.0	1.8	Westchester Cos.	163.0	157.6	TENNESSEE		
Stockton	6.9	7.0				(b) Nassau--			Chattanooga	3.8	4.2
			MARYLAND			Suffolk	47.4	41.5	Knoxville	5.7	5.3
COLORADO			Baltimore	30.3	24.4	Rochester	14.8	11.5	Memphis	14.5	11.7
Denver-Boulder ..	14.7	12.2				Syracuse	9.9	7.9	Nashville--		
			MASSACHUSETTS			Utica-Rome	6.2	5.2	Davidson	10.8	5.1
			Boston	55.0	37.3						
CONNECTICUT			Brockton	3.5	2.6	NORTH CAROLINA			TEXAS		
Bridgeport	9.3	8.4	Fall River	4.6	4.7	Asheville	2.0	1.7	Austin	2.8	2.4
Hartford	12.7	12.8	Lawrence--			Charlotte--			Beaumont--		
New Britain	3.5	2.9	Haverhill	7.7	5.2	Gastonia	7.3	6.2	Port Arthur--		
New Haven--			Lowell	4.4	3.5	Greensboro--			Orange	3.9	3.0
West Haven	8.6	9.1	New Bedford	5.1	5.1	Winston Salem--			Corpus Christi	1.6	1.8
Stamford	3.3	4.4	Springfield--			High Point	8.6	6.1	Dallas	13.4	8.9
Waterbury	7.2	3.0	Chicopee--			Raleigh-Durham ..	2.8	2.8	El Paso	3.2	7.8
			Holyoke	12.1	7.7				Fort Worth	5.6	4.4
DELAWARE			Worcester	8.1	4.5	OHIO			Houston	10.5	9.1
Wilmington	7.0	8.2				Akron	8.5	6.7	San Antonio	7.4	5.7
			MICHIGAN			Canton	6.8	5.4	UTAH		
DIST. OF COL.			Battle Creek	4.0	3.2	Cincinnati	12.4	12.4	Salt Lake City--		
Washington	28.1	22.4	Detroit	82.9	66.5	Cleveland	24.4	16.0	Ogden	7.0	5.4
			Flint	9.3	6.6	Columbus	11.0	9.0			
FLORIDA			Grand Rapids	9.1	7.5	Dayton	8.5	5.4	VIRGINIA		
Jacksonville	5.0	5.3	Kalamazoo--			Hamilton--			Newport News--		
Miami	27.7	19.5	Portage	4.0	3.6	Middletown	3.2	2.5	Hampton	2.7	2.7
Tampa-St.			Lansing-East			Lorain--			Norfolk--		
Petersburg	23.1	18.8	Lansing	8.5	6.4	Elyria	3.1	3.8	Virginia Beach--		
			Muskegon--			Steubenville--			Portsmouth	5.2	4.7
GEORGIA			Muskegon--			Weirton	1.5	1.6	Richmond	2.2	2.5
Atlanta	23.1	15.8	Heights	4.3	3.5	Toledo	9.9	9.0	Roanoke	1.5	1.7
Augusta	3.1	3.9	Saginaw	3.4	2.3	Youngstown--					
Columbus	3.0	2.3				Warren	9.0	12.1	WASHINGTON		
Macon	3.0	2.6	MINNESOTA						Seattle	37.4	30.8
Savannah	2.5	2.0	Duluth--			OKLAHOMA			Spokane	6.0	5.1
			Superior	2.6	2.8	Oklahoma City	8.4	5.8	Tacoma	10.5	9.6
HAWAII			Minneapolis--			Tulsa	5.9	5.3			
Honolulu	15.0	13.4	St. Paul	24.1	19.9				WEST VIRGINIA		
						OREGON			Charleston	2.5	1.7
ILLINOIS			MISSISSIPPI			Portland	22.3	17.5	Huntington--		
Chicago	116.9	106.2	Jackson	1.7	1.6				Ashland	3.9	3.0
Davenport-Rock						PENNSYLVANIA			Wheeling	2.2	3.6
Island--			MISSOURI			Allentown--					
Moline	4.3	3.5	Kansas City	20.7	12.4	Bethlehem--			WISCONSIN		
Peoria	2.9	3.5	St. Louis	37.1	28.6	Easton	13.5	12.9	Kenosha	1.4	5.6
Rockford	4.9	3.3				Altoona	2.6	2.2	Madison	5.1	4.5
			NEBRASKA			Erie	6.1	5.0	Milwaukee	17.6	13.5
INDIANA			Omaha	7.8	4.9	Harrisburg	5.9	5.4	Racine	2.5	3.1
Evansville	2.8	1.7				Johnstown	4.1	4.8			
Ft. Wayne	3.7	2.0	NEW HAMPSHIRE			Lancaster	5.1	3.9			
			Manchester	2.2	1.3						

¹ Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs excludes extended benefit claims.

² For full name of labor area and definition of area, see Area Trends in Employment and Unemployment published by the Employment and Training Administration.

* Information not available.

Revised

Seasonally Adjusted Series

Establishment Data

ESTABLISHMENT DATA

A. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, SEASONALLY ADJUSTED, 1971 TO DATE (IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL												
1971	70,807	70,698	70,786	70,987	71,163	71,142	71,180	71,174	71,502	71,491	71,691	71,971
1972	72,386	72,529	72,894	73,151	73,440	73,679	73,707	74,009	74,200	74,543	74,820	75,077
1973	75,487	75,925	76,219	76,416	76,619	76,935	76,967	77,186	77,326	77,607	77,940	78,037
1974	78,033	78,205	78,275	78,423	78,559	78,628	78,660	78,709	78,774	78,718	78,339	77,703
1975	77,300	76,804	76,518	76,491	76,577	76,444	76,706	76,988	77,239	77,470	77,542	77,764
1976	78,142	78,358	78,692	79,011	79,006	79,043	79,183	79,278				
TOTAL PRIVATE												
1971	58,064	57,954	57,996	58,158	58,307	58,264	58,303	58,260	58,565	58,506	58,670	58,901
1972	59,248	59,358	59,690	59,912	60,148	60,400	60,366	60,602	60,746	61,071	61,312	61,519
1973	61,922	62,338	62,602	62,761	62,920	63,171	63,245	63,408	63,547	63,767	64,033	64,099
1974	64,082	64,200	64,245	64,350	64,468	64,499	64,506	64,506	64,467	64,370	63,942	63,282
1975	62,819	62,208	61,898	61,819	61,859	61,726	61,887	62,136	62,390	62,524	62,584	62,763
1976	63,149	63,358	63,654	63,956	63,944	63,954	64,092	64,156				
GOODS-PRODUCING												
1971	22,878	22,729	22,725	22,811	22,874	22,807	22,771	22,718	22,860	22,795	22,900	22,928
1972	23,124	23,131	23,273	23,381	23,491	23,570	23,478	23,592	23,665	23,858	23,956	24,005
1973	24,218	24,433	24,539	24,600	24,661	24,785	24,788	24,810	24,822	24,915	25,032	25,096
1974	25,028	25,020	24,974	24,985	24,949	24,913	24,830	24,765	24,672	24,521	24,171	23,626
1975	23,241	22,699	22,452	22,372	22,379	22,279	22,264	22,434	22,568	22,610	22,639	22,713
1976	22,880	22,920	23,050	23,196	23,169	23,140	23,118	23,080				
MINING												
1971	623	621	622	624	625	623	603	616	621	551	558	622
1972	625	623	628	622	623	624	621	624	628	628	627	627
1973	629	633	632	633	635	639	645	650	650	654	661	666
1974	673	679	680	688	692	694	700	703	707	714	718	684
1975	725	728	732	734	741	743	745	750	753	759	761	766
1976	767	767	773	775	776	781	791	752				
CONTRACT CONSTRUCTION												
1971	3,550	3,474	3,546	3,616	3,620	3,631	3,649	3,647	3,676	3,718	3,772	3,720
1972	3,838	3,754	3,791	3,814	3,836	3,857	3,818	3,863	3,865	3,886	3,858	3,773
1973	3,886	3,944	3,971	3,968	3,991	4,035	4,067	4,047	4,063	4,045	4,056	4,071
1974	4,050	4,121	4,098	4,062	4,037	3,985	3,921	3,934	3,891	3,869	3,818	3,759
1975	3,732	3,596	3,483	3,455	3,446	3,405	3,404	3,412	3,420	3,399	3,406	3,392
1976	3,409	3,379	3,380	3,413	3,393	3,375	3,382	3,349				
MANUFACTURING												
1971	18,705	18,634	18,557	18,571	18,629	18,553	18,519	18,455	18,563	18,526	18,570	18,586
1972	18,661	18,754	18,854	18,945	19,032	19,089	19,039	19,105	19,172	19,344	19,471	19,605
1973	19,703	19,856	19,936	19,999	20,035	20,111	20,076	20,113	20,109	20,216	20,315	20,359
1974	20,305	20,220	20,196	20,235	20,220	20,234	20,209	20,128	20,074	19,938	19,635	19,183
1975	18,784	18,375	18,237	18,183	18,192	18,131	18,115	18,272	18,395	18,452	18,472	18,555
1976	18,704	18,774	18,897	19,008	19,000	18,984	18,945	18,979				
DURABLE GOODS												
1971	10,700	10,649	10,584	10,592	10,635	10,592	10,567	10,506	10,580	10,570	10,587	10,604
1972	10,663	10,738	10,812	10,876	10,945	10,976	10,972	11,025	11,078	11,226	11,321	11,428
1973	11,516	11,640	11,700	11,747	11,800	11,853	11,867	11,903	11,911	11,988	12,055	12,092
1974	12,037	11,967	11,957	12,009	11,989	12,020	12,026	11,954	11,927	11,856	11,658	11,353
1975	11,092	10,816	10,737	10,650	10,607	10,539	10,488	10,578	10,645	10,644	10,652	10,709
1976	10,810	10,857	10,956	11,016	11,062	11,059	11,034	11,083				
ORDNANCE AND ACCESSORIES												
1971	208	200	196	193	195	191	188	187	185	184	182	180
1972	179	179	178	180	181	183	184	185	181	183	190	190
1973	189	190	188	186	184	183	182	181	179	178	175	178
1974	178	176	176	176	173	175	176	177	179	178	173	177
1975	177	177	176	175	175	173	172	167	166	165	162	163
1976	162	161	161	160	160	158	156	157				
LUMBER AND WOOD PRODUCTS												
1971	566	568	569	574	578	581	588	591	600	603	608	607
1972	610	609	612	617	620	623	625	627	627	629	636	636
1973	636	638	642	640	641	643	642	644	644	645	647	651
1974	649	649	653	654	648	639	635	626	618	599	580	569
1975	550	537	540	537	546	552	557	561	568	574	578	581
1976	591	594	597	600	601	601	605	605				
FURNITURE AND FIXTURES												
1971	449	449	450	452	457	459	464	458	468	471	474	480
1972	484	489	492	496	498	500	507	507	511	515	519	523
1973	527	531	535	536	537	540	537	537	535	537	537	537
1974	535	530	529	530	530	527	522	519	517	505	485	474
1975	454	440	434	436	440	439	443	452	463	465	469	473
1976	477	484	488	493	496	493	490	486				
STONE, CLAY, AND GLASS PRODUCTS												
1971	630	628	627	634	636	634	633	634	637	635	638	638
1972	646	647	650	653	657	660	660	661	662	668	670	670
1973	674	682	685	687	690	692	696	693	693	698	700	707
1974	708	707	706	702	701	694	696	693	685	676	665	653
1975	636	622	612	610	610	606	604	609	614	613	614	614
1976	617	615	618	626	627	628	631	628				

ESTABLISHMENT DATA

A. EMPLOYEES OF NONAGRICULTURAL PAYROLLS, BY INDUSTRY, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PRIMARY METAL INDUSTRIES												
1971	1,265	1,267	1,268	1,270	1,275	1,266	1,233	1,168	1,186	1,185	1,182	1,183
1972	1,194	1,199	1,223	1,229	1,236	1,234	1,231	1,247	1,263	1,271	1,275	1,283
1973	1,287	1,296	1,297	1,302	1,314	1,321	1,325	1,333	1,342	1,353	1,357	1,357
1974	1,353	1,350	1,342	1,343	1,344	1,349	1,347	1,349	1,351	1,352	1,339	1,304
1975	1,280	1,246	1,221	1,194	1,174	1,151	1,136	1,148	1,165	1,146	1,145	1,153
1976	1,159	1,166	1,178	1,187	1,193	1,200	1,206	1,215				
FABRICATED METAL PRODUCTS												
1971	1,330	1,329	1,311	1,329	1,334	1,331	1,335	1,335	1,347	1,342	1,345	1,344
1972	1,352	1,362	1,373	1,380	1,391	1,395	1,395	1,402	1,405	1,418	1,431	1,444
1973	1,458	1,478	1,484	1,492	1,500	1,503	1,504	1,504	1,502	1,511	1,528	1,533
1974	1,529	1,521	1,519	1,517	1,519	1,523	1,528	1,516	1,505	1,490	1,470	1,426
1975	1,374	1,355	1,334	1,332	1,325	1,318	1,298	1,329	1,338	1,341	1,342	1,345
1976	1,357	1,369	1,380	1,387	1,392	1,390	1,387	1,394				
MACHINERY, EXC. ELECTRICAL												
1971	1,841	1,825	1,815	1,806	1,802	1,791	1,800	1,802	1,820	1,809	1,809	1,813
1972	1,815	1,836	1,838	1,851	1,874	1,884	1,893	1,900	1,915	1,939	1,955	1,982
1973	1,999	2,019	2,038	2,058	2,073	2,092	2,101	2,120	2,127	2,138	2,164	2,176
1974	2,185	2,187	2,200	2,204	2,206	2,226	2,224	2,238	2,240	2,252	2,239	2,210
1975	2,180	2,150	2,126	2,100	2,066	2,039	2,023	2,021	2,033	2,035	2,026	2,024
1976	2,035	2,039	2,047	2,056	2,068	2,069	2,084	2,090				
ELECTRICAL EQUIPMENT AND SUPPLIES												
1971	1,788	1,778	1,772	1,768	1,772	1,760	1,755	1,763	1,773	1,775	1,780	1,783
1972	1,786	1,798	1,813	1,819	1,831	1,840	1,840	1,852	1,863	1,891	1,904	1,926
1973	1,944	1,966	1,983	1,995	2,006	2,027	2,030	2,036	2,035	2,062	2,073	2,083
1974	2,081	2,077	2,072	2,069	2,062	2,061	2,066	2,015	2,021	2,005	1,951	1,888
1975	1,849	1,787	1,771	1,748	1,739	1,726	1,711	1,746	1,753	1,762	1,764	1,773
1976	1,782	1,797	1,818	1,830	1,837	1,837	1,815	1,843				
TRANSPORTATION EQUIPMENT												
1971	1,769	1,759	1,733	1,724	1,741	1,734	1,723	1,720	1,709	1,712	1,714	1,719
1972	1,730	1,746	1,756	1,768	1,773	1,764	1,746	1,745	1,751	1,805	1,825	1,850
1973	1,876	1,903	1,906	1,912	1,911	1,907	1,902	1,905	1,904	1,908	1,911	1,902
1974	1,848	1,797	1,784	1,835	1,830	1,844	1,854	1,847	1,843	1,840	1,807	1,724
1975	1,676	1,601	1,633	1,634	1,652	1,654	1,659	1,659	1,650	1,644	1,652	1,679
1976	1,714	1,710	1,739	1,742	1,747	1,743	1,728	1,737				
INSTRUMENTS AND RELATED PRODUCTS												
1971	442	437	435	433	435	435	437	436	440	441	441	440
1972	444	446	448	452	454	459	460	464	465	468	473	477
1973	481	486	490	487	493	496	497	501	502	505	509	512
1974	513	517	519	522	519	526	525	525	523	520	515	511
1975	505	497	491	487	481	482	483	481	486	490	491	494
1976	497	500	505	509	512	513	512	510				
MISCELLANEOUS MANUFACTURING INDUSTRIES												
1971	412	409	408	409	410	410	411	412	415	413	414	417
1972	423	427	429	431	430	434	431	435	435	439	443	447
1973	445	451	452	452	451	449	451	449	448	453	454	456
1974	458	456	457	457	457	456	453	449	445	439	429	417
1975	411	404	399	397	399	399	402	405	409	409	409	410
1976	419	422	425	426	429	427	420	418				
NONDURABLE GOODS												
1971	8,005	7,985	7,973	7,979	7,994	7,961	7,952	7,949	7,983	7,956	7,983	7,982
1972	7,998	8,016	8,042	8,069	8,087	8,113	8,067	8,080	8,094	8,118	8,150	8,177
1973	8,187	8,216	8,236	8,252	8,235	8,258	8,209	8,210	8,198	8,228	8,260	8,267
1974	8,268	8,253	8,239	8,226	8,231	8,214	8,183	8,174	8,147	8,082	7,977	7,830
1975	7,692	7,559	7,500	7,533	7,585	7,592	7,627	7,694	7,750	7,808	7,820	7,846
1976	7,894	7,917	7,941	7,992	7,938	7,925	7,911	7,896				
FOOD AND KINDRED PRODUCTS												
1971	1,766	1,761	1,757	1,755	1,759	1,756	1,764	1,757	1,757	1,732	1,749	1,746
1972	1,747	1,738	1,743	1,745	1,742	1,763	1,748	1,731	1,730	1,730	1,725	1,727
1973	1,729	1,731	1,727	1,727	1,717	1,720	1,710	1,689	1,696	1,716	1,729	1,734
1974	1,734	1,734	1,739	1,727	1,725	1,713	1,696	1,703	1,703	1,701	1,693	1,686
1975	1,666	1,660	1,663	1,664	1,670	1,673	1,673	1,686	1,688	1,692	1,688	1,690
1976	1,698	1,706	1,698	1,707	1,712	1,718	1,719	1,715				
TOBACCO MANUFACTURES												
1971	81	81	78	79	79	78	71	75	79	75	76	74
1972	75	75	77	77	77	77	77	74	73	71	73	76
1973	75	77	80	80	80	80	79	79	79	79	81	81
1974	81	81	81	81	80	79	79	80	79	79	76	78
1975	80	79	77	76	76	76	79	78	79	79	80	79
1976	79	77	75	76	76	75	80	78				
TEXTILE MILL PRODUCTS												
1971	956	953	951	954	959	955	960	958	960	961	966	969
1972	973	976	984	986	993	995	996	996	998	1,004	1,011	1,018
1973	1,018	1,027	1,031	1,028	1,029	1,029	1,026	1,026	1,026	1,024	1,027	1,026
1974	1,024	1,018	1,012	1,010	1,007	1,005	997	994	987	960	939	906
1975	869	848	846	866	889	895	902	918	935	947	950	952
1976	958	963	966	973	977	973	970	969				

ESTABLISHMENT DATA

A. EMPLOYEES ON NONAGRICULTURAL PAYROLLS, BY INDUSTRY, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED (IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
APPAREL AND OTHER TEXTILE PRODUCTS												
1971	1,343	1,337	1,343	1,345	1,351	1,340	1,334	1,341	1,347	1,351	1,358	1,354
1972	1,359	1,366	1,367	1,374	1,369	1,369	1,347	1,377	1,380	1,386	1,397	1,401
1973	1,400	1,411	1,415	1,423	1,416	1,417	1,380	1,405	1,401	1,403	1,401	1,395
1974	1,395	1,385	1,371	1,371	1,377	1,365	1,357	1,348	1,340	1,323	1,298	1,246
1975	1,217	1,190	1,177	1,195	1,211	1,220	1,233	1,248	1,261	1,282	1,290	1,299
1976	1,311	1,309	1,319	1,322	1,321	1,320	1,299	1,292				
PAPER AND ALLIED PRODUCTS												
1971	691	688	685	684	677	677	672	676	687	682	681	682
1972	680	681	682	687	692	691	692	691	691	691	694	696
1973	695	698	700	700	702	704	701	703	700	702	705	705
1974	709	710	710	711	709	708	708	704	703	693	685	673
1975	662	648	636	631	631	628	634	639	645	650	651	657
1976	664	669	671	677	679	678	680	679				
PRINTING AND PUBLISHING												
1971	1,082	1,080	1,075	1,072	1,073	1,070	1,070	1,068	1,069	1,070	1,069	1,069
1972	1,073	1,075	1,079	1,081	1,084	1,084	1,082	1,084	1,087	1,090	1,094	1,095
1973	1,099	1,098	1,102	1,104	1,102	1,106	1,108	1,107	1,103	1,104	1,108	1,110
1974	1,110	1,115	1,112	1,111	1,113	1,115	1,117	1,116	1,115	1,114	1,107	1,103
1975	1,102	1,094	1,088	1,083	1,079	1,074	1,071	1,073	1,074	1,071	1,072	1,073
1976	1,070	1,069	1,074	1,076	1,079	1,077	1,082	1,082				
CHEMICALS AND ALLIED PRODUCTS												
1971	1,023	1,019	1,015	1,017	1,018	1,010	1,006	1,002	1,003	1,002	1,002	1,002
1972	1,000	1,002	1,002	1,004	1,008	1,008	1,003	1,005	1,010	1,012	1,016	1,019
1973	1,022	1,022	1,025	1,027	1,030	1,034	1,038	1,035	1,035	1,039	1,041	1,044
1974	1,047	1,049	1,052	1,053	1,056	1,061	1,063	1,065	1,066	1,063	1,057	1,045
1975	1,033	1,023	1,010	1,005	1,006	1,002	1,002	1,008	1,010	1,015	1,017	1,018
1976	1,024	1,029	1,030	1,036	1,034	1,029	1,037	1,040				
PETROLEUM AND COAL PRODUCTS												
1971	192	193	192	193	193	193	192	192	194	193	193	194
1972	191	196	195	196	194	194	194	194	194	194	195	195
1973	194	191	192	190	188	193	193	195	196	196	196	198
1974	197	198	198	199	200	200	199	198	198	199	199	198
1975	194	191	194	194	196	197	199	199	200	201	202	201
1976	203	204	204	205	203	202	201	202				
RUBBER AND PLASTICS PRODUCTS, NEC												
1971	563	568	574	576	582	580	582	580	588	592	589	592
1972	599	604	610	616	623	627	625	625	629	639	647	654
1973	660	667	671	680	678	683	685	682	674	677	684	687
1974	687	681	680	680	682	687	686	687	681	679	653	631
1975	612	576	564	573	577	575	579	588	596	604	601	606
1976	612	614	627	641	578	577	572	572				
LEATHER AND LEATHER PRODUCTS												
1971	308	305	303	304	303	302	301	300	299	298	290	300
1972	301	303	303	303	305	305	303	303	302	301	298	296
1973	295	294	293	293	293	292	289	289	288	288	288	287
1974	284	282	284	283	282	281	281	279	275	271	270	264
1975	257	250	245	246	250	252	255	257	262	267	269	271
1976	275	277	277	279	279	276	271	267				
SERVICE-PRODUCING												
1971	47,929	47,969	48,061	48,176	48,289	48,335	48,409	48,456	48,642	48,696	48,791	49,043
1972	49,262	49,398	49,621	49,770	49,949	50,109	50,229	50,417	50,535	50,685	50,864	51,072
1973	51,269	51,492	51,680	51,816	51,958	52,150	52,179	52,376	52,504	52,692	52,908	52,941
1974	53,005	53,185	53,301	53,438	53,610	53,715	53,830	53,944	54,102	54,197	54,168	54,077
1975	54,059	54,105	54,066	54,119	54,198	54,165	54,442	54,554	54,671	54,860	54,903	55,051
1976	55,262	55,438	55,642	55,815	55,837	55,903	56,065	56,198				
TRANSPORTATION AND PUBLIC UTILITIES												
1971	4,473	4,497	4,480	4,479	4,485	4,474	4,470	4,423	4,447	4,407	4,407	4,446
1972	4,461	4,455	4,494	4,493	4,505	4,511	4,506	4,513	4,531	4,557	4,574	4,591
1973	4,592	4,599	4,614	4,627	4,634	4,639	4,643	4,658	4,670	4,685	4,676	4,682
1974	4,705	4,716	4,711	4,707	4,708	4,704	4,699	4,703	4,683	4,686	4,674	4,659
1975	4,599	4,556	4,511	4,508	4,496	4,474	4,473	4,466	4,472	4,472	4,482	4,477
1976	4,489	4,504	4,507	4,510	4,503	4,482	4,508	4,501				
WHOLESALE AND RETAIL TRADE												
1971	15,188	15,203	15,224	15,266	15,300	15,301	15,340	15,402	15,453	15,469	15,478	15,584
1972	15,669	15,722	15,813	15,854	15,899	15,970	15,978	16,047	16,086	16,135	16,203	16,279
1973	16,370	16,484	16,558	16,586	16,634	16,677	16,693	16,726	16,776	16,823	16,892	16,858
1974	16,864	16,878	16,911	16,968	17,029	17,051	17,111	17,125	17,139	17,142	17,049	16,939
1975	16,903	16,878	16,864	16,856	16,873	16,882	16,949	16,968	17,016	17,043	17,027	17,084
1976	17,207	17,308	17,399	17,465	17,461	17,460	17,531	17,554				
WHOLESALE TRADE												
1971	3,807	3,807	3,809	3,811	3,823	3,803	3,809	3,819	3,833	3,839	3,848	3,863
1972	3,866	3,882	3,907	3,915	3,930	3,946	3,949	3,967	3,972	3,981	3,988	4,005
1973	4,030	4,056	4,069	4,078	4,083	4,105	4,109	4,124	4,129	4,150	4,176	4,176
1974	4,196	4,199	4,204	4,210	4,221	4,230	4,228	4,235	4,235	4,246	4,241	4,228
1975	4,205	4,185	4,178	4,172	4,171	4,153	4,165	4,163	4,177	4,180	4,178	4,194
1976	4,214	4,231	4,236	4,250	4,258	4,254	4,271	4,272				

ESTABLISHMENT DATA

A. EMPLOYEES OF NONAGRICULTURAL PAYROLLS, BY INDUSTRY, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
RETAIL TRADE												
1971	11,381	11,396	11,415	11,455	11,477	11,498	11,531	11,583	11,620	11,630	11,630	11,721
1972	11,803	11,840	11,906	11,939	11,969	12,024	12,029	12,080	12,114	12,154	12,215	12,274
1973	12,340	12,428	12,489	12,508	12,551	12,572	12,584	12,602	12,647	12,673	12,716	12,682
1974	12,668	12,679	12,707	12,758	12,808	12,821	12,883	12,890	12,904	12,896	12,808	12,711
1975	12,698	12,693	12,686	12,684	12,702	12,729	12,784	12,805	12,839	12,863	12,849	12,890
1976	12,993	13,077	13,163	13,215	13,203	13,206	13,260	13,282				
FINANCE, INSURANCE, REAL ESTATE												
1971	3,742	3,745	3,754	3,771	3,785	3,802	3,814	3,816	3,830	3,840	3,854	3,865
1972	3,877	3,885	3,901	3,911	3,925	3,946	3,951	3,963	3,973	3,985	3,996	4,007
1973	4,018	4,034	4,049	4,061	4,072	4,085	4,099	4,114	4,123	4,136	4,145	4,153
1974	4,172	4,186	4,196	4,202	4,209	4,210	4,210	4,217	4,220	4,224	4,226	4,225
1975	4,219	4,210	4,207	4,205	4,208	4,206	4,211	4,218	4,235	4,242	4,248	4,260
1976	4,266	4,266	4,276	4,289	4,282	4,301	4,312	4,312				
SERVICES												
1971	11,783	11,780	11,813	11,831	11,863	11,880	11,908	11,901	11,975	11,995	12,031	12,078
1972	12,117	12,165	12,209	12,273	12,328	12,403	12,453	12,487	12,491	12,536	12,583	12,637
1973	12,724	12,788	12,842	12,887	12,919	12,985	13,022	13,100	13,156	13,208	13,288	13,310
1974	13,313	13,400	13,453	13,488	13,573	13,621	13,656	13,696	13,753	13,797	13,822	13,833
1975	13,857	13,865	13,864	13,878	13,903	13,885	13,990	14,050	14,099	14,157	14,188	14,229
1976	14,307	14,360	14,422	14,498	14,529	14,571	14,623	14,709				
GOVERNMENT												
1971	12,743	12,744	12,790	12,829	12,856	12,878	12,877	12,914	12,937	12,985	13,021	13,070
1972	13,138	13,171	13,204	13,239	13,292	13,279	13,341	13,407	13,454	13,472	13,508	13,558
1973	13,565	13,587	13,617	13,655	13,699	13,764	13,722	13,778	13,779	13,840	13,907	13,938
1974	13,951	14,005	14,030	14,073	14,091	14,129	14,154	14,203	14,307	14,348	14,397	14,421
1975	14,481	14,596	14,620	14,672	14,718	14,718	14,819	14,852	14,849	14,946	14,958	15,001
1976	14,993	15,000	15,038	15,053	15,062	15,089	15,091	15,122				
FEDERAL												
1971	2,684	2,682	2,680	2,685	2,685	2,682	2,693	2,707	2,708	2,709	2,704	2,701
1972	2,703	2,698	2,691	2,695	2,691	2,673	2,645	2,666	2,671	2,677	2,680	2,684
1973	2,673	2,665	2,664	2,667	2,670	2,654	2,624	2,645	2,654	2,659	2,671	2,680
1974	2,683	2,699	2,702	2,711	2,717	2,723	2,729	2,734	2,742	2,740	2,740	2,738
1975	2,736	2,735	2,735	2,735	2,736	2,741	2,748	2,753	2,757	2,761	2,756	2,753
1976	2,749	2,742	2,735	2,733	2,730	2,728	2,723	2,732				
STATE AND LOCAL												
1971	10,059	10,062	10,110	10,144	10,171	10,196	10,184	10,207	10,229	10,276	10,317	10,369
1972	10,435	10,473	10,513	10,544	10,601	10,606	10,696	10,741	10,783	10,795	10,828	10,874
1973	10,892	10,922	10,953	10,988	11,029	11,110	11,098	11,133	11,125	11,181	11,236	11,258
1974	11,268	11,306	11,328	11,362	11,374	11,406	11,425	11,469	11,565	11,608	11,657	11,683
1975	11,745	11,861	11,885	11,937	11,982	11,977	12,071	12,099	12,092	12,185	12,202	12,248
1976	12,244	12,258	12,303	12,320	12,332	12,361	12,368	12,390				
1												
B. PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE (IN THOUSANDS)												
TOTAL PRIVATE												
1971	47,946	47,827	47,886	48,052	48,209	48,155	48,199	48,133	48,421	48,331	48,475	48,698
1972	49,036	49,104	49,415	49,598	49,835	50,025	49,974	50,165	50,303	50,586	50,792	50,978
1973	51,319	51,694	51,906	52,046	52,188	52,371	52,395	52,521	52,612	52,790	53,031	53,058
1974	53,024	53,106	53,114	53,198	53,287	53,275	53,255	53,222	53,199	53,083	52,651	52,023
1975	51,593	50,998	50,708	50,646	50,700	50,605	50,770	51,016	51,247	51,353	51,400	51,582
1976	51,902	52,099	52,358	52,623	52,607	52,606	52,695	52,733				
GOODS PRODUCING												
1971	16,958	16,819	16,833	16,942	17,018	16,953	16,922	16,869	16,997	16,921	17,012	17,052
1972	17,248	17,240	17,365	17,458	17,558	17,625	17,532	17,628	17,688	17,859	17,942	17,975
1973	18,163	18,353	18,440	18,483	18,537	18,636	18,619	18,611	18,604	18,676	18,767	18,826
1974	18,750	18,720	18,657	18,663	18,625	18,561	18,475	18,415	18,338	18,180	17,853	17,350
1975	17,015	16,493	16,258	16,205	16,234	16,161	16,159	16,320	16,435	16,478	16,497	16,566
1976	16,719	16,742	16,856	16,990	16,972	16,928	16,906	16,846				
MINING												
1971	472	469	471	472	474	472	453	465	468	382	389	469
1972	472	471	475	469	470	469	469	471	474	474	474	472
1973	474	478	477	479	479	484	490	493	495	497	502	507
1974	512	517	517	523	526	528	530	533	537	543	545	509
1975	552	554	556	555	562	563	565	568	569	575	577	582
1976	582	581	587	588	588	592	599	561				
CONTRACT CONSTRUCTION												
1971	2,960	2,873	2,944	3,015	3,017	3,018	3,031	3,027	3,049	3,085	3,133	3,077
1972	3,197	3,105	3,138	3,154	3,178	3,192	3,151	3,186	3,191	3,211	3,180	3,094
1973	3,206	3,255	3,279	3,269	3,297	3,343	3,368	3,337	3,352	3,334	3,341	3,356
1974	3,334	3,398	3,371	3,333	3,304	3,250	3,190	3,213	3,177	3,154	3,105	3,049
1975	3,038	2,892	2,774	2,759	2,753	2,719	2,719	2,727	2,725	2,707	2,706	2,691
1976	2,704	2,665	2,667	2,702	2,691	2,671	2,689	2,658				

SEE FOOTNOTE AT END OF TABLE.

ESTABLISHMENT DATA

B. PRODUCTION OR NONSUPERVISORY WORKERS¹ ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
MANUFACTURING												
1971	13,526	13,477	13,418	13,455	13,527	13,463	13,438	13,377	13,480	13,454	13,490	13,506
1972	13,579	13,664	13,752	13,835	13,910	13,964	13,912	13,971	14,023	14,174	14,288	14,409
1973	14,483	14,620	14,684	14,735	14,761	14,809	14,761	14,781	14,757	14,845	14,924	14,963
1974	14,904	14,805	14,769	14,807	14,795	14,783	14,755	14,669	14,624	14,483	14,203	13,792
1975	13,425	13,047	12,928	12,891	12,919	12,879	12,875	13,025	13,141	13,196	13,214	13,293
1976	13,433	13,496	13,602	13,700	13,693	13,665	13,618	13,627				
DURABLE GOODS												
1971	7,671	7,638	7,584	7,610	7,663	7,627	7,611	7,550	7,619	7,617	7,626	7,645
1972	7,701	7,770	7,837	7,896	7,956	7,982	7,974	8,023	8,068	8,195	8,278	8,376
1973	8,446	8,552	8,600	8,639	8,676	8,713	8,716	8,733	8,729	8,786	8,832	8,868
1974	8,807	8,729	8,711	8,767	8,744	8,753	8,751	8,677	8,661	8,586	8,399	8,127
1975	7,891	7,635	7,571	7,497	7,470	7,415	7,379	7,469	7,527	7,530	7,535	7,593
1976	7,689	7,734	7,815	7,871	7,916	7,905	7,878	7,911				
ORDNANCE AND ACCESSORIES												
1971	108	103	100	98	99	95	93	93	92	91	90	89
1972	88	87	87	89	90	92	93	94	90	91	97	97
1973	97	98	97	95	94	92	92	91	89	89	85	88
1974	87	86	86	85	84	83	83	84	86	85	85	85
1975	85	84	84	84	84	82	81	77	76	75	71	74
1976	73	73	73	73	73	72	71	71				
LUMBER AND WOOD PRODUCTS												
1971	486	488	488	494	498	500	506	508	516	520	523	522
1972	524	523	526	531	533	536	538	538	541	541	548	549
1973	548	551	553	551	553	555	555	555	555	555	558	560
1974	558	558	561	560	554	545	541	531	524	506	487	477
1975	458	445	449	445	455	459	463	468	474	481	482	485
1976	495	497	500	501	503	504	507	507				
FURNITURE AND FIXTURES												
1971	368	368	369	371	376	378	382	376	386	388	391	396
1972	400	403	406	410	411	413	419	422	422	426	430	434
1973	437	440	443	444	444	447	443	442	442	441	441	442
1974	439	436	434	435	435	433	429	425	424	411	395	383
1975	364	353	347	350	354	353	357	366	378	379	383	387
1976	390	397	400	405	408	405	401	398				
STONE, CLAY, AND GLASS PRODUCTS												
1971	499	497	496	503	505	503	502	503	506	505	508	506
1972	515	516	518	521	525	527	528	529	529	534	536	536
1973	539	546	549	551	553	554	556	555	554	558	560	567
1974	568	568	568	563	563	556	557	555	547	539	529	517
1975	502	489	481	480	479	478	477	481	488	486	488	487
1976	491	489	492	499	500	501	503	499				
PRIMARY METAL INDUSTRIES												
1971	1,000	1,002	1,005	1,008	1,013	1,003	974	910	928	928	924	927
1972	939	948	970	977	985	983	983	996	1,009	1,018	1,021	1,030
1973	1,032	1,042	1,041	1,047	1,057	1,063	1,066	1,073	1,079	1,088	1,093	1,094
1974	1,085	1,082	1,074	1,076	1,075	1,079	1,079	1,077	1,081	1,079	1,068	1,034
1975	1,013	978	953	928	910	892	881	891	908	890	889	897
1976	903	910	922	931	938	943	952	956				
FABRICATED METAL PRODUCTS												
1971	1,009	1,008	990	1,011	1,016	1,011	1,014	1,015	1,026	1,022	1,023	1,022
1972	1,028	1,039	1,048	1,054	1,063	1,069	1,066	1,072	1,075	1,086	1,097	1,110
1973	1,121	1,139	1,145	1,152	1,157	1,159	1,160	1,159	1,154	1,164	1,176	1,182
1974	1,175	1,167	1,163	1,164	1,163	1,166	1,170	1,160	1,148	1,135	1,115	1,077
1975	1,026	1,010	991	991	986	981	961	992	999	1,003	1,003	1,008
1976	1,019	1,030	1,039	1,047	1,052	1,049	1,045	1,051				
MACHINERY, EXC. ELECTRICAL												
1971	1,204	1,194	1,185	1,176	1,175	1,166	1,177	1,177	1,192	1,182	1,177	1,184
1972	1,187	1,203	1,207	1,218	1,242	1,250	1,257	1,265	1,277	1,297	1,309	1,334
1973	1,348	1,361	1,376	1,393	1,404	1,417	1,424	1,437	1,439	1,446	1,466	1,478
1974	1,484	1,481	1,490	1,492	1,491	1,502	1,497	1,506	1,507	1,513	1,497	1,473
1975	1,449	1,420	1,397	1,373	1,343	1,319	1,307	1,304	1,314	1,315	1,306	1,305
1976	1,312	1,318	1,323	1,329	1,342	1,336	1,347	1,350				
ELECTRICAL EQUIPMENT AND SUPPLIES												
1971	1,178	1,171	1,167	1,167	1,171	1,165	1,161	1,167	1,179	1,182	1,185	1,189
1972	1,192	1,205	1,217	1,221	1,231	1,239	1,237	1,249	1,256	1,281	1,295	1,313
1973	1,326	1,348	1,364	1,371	1,379	1,395	1,395	1,397	1,394	1,416	1,424	1,430
1974	1,427	1,420	1,414	1,409	1,402	1,398	1,397	1,353	1,362	1,347	1,300	1,244
1975	1,210	1,157	1,144	1,124	1,117	1,109	1,096	1,130	1,137	1,147	1,148	1,158
1976	1,168	1,180	1,198	1,210	1,218	1,218	1,199	1,222				
TRANSPORTATION EQUIPMENT												
1971	1,238	1,232	1,212	1,209	1,234	1,229	1,223	1,222	1,210	1,216	1,220	1,225
1972	1,235	1,247	1,256	1,268	1,269	1,258	1,240	1,241	1,246	1,293	1,309	1,334
1973	1,355	1,376	1,378	1,382	1,377	1,373	1,367	1,366	1,364	1,364	1,359	1,354
1974	1,306	1,252	1,238	1,299	1,293	1,306	1,315	1,307	1,309	1,308	1,274	1,207
1975	1,164	1,091	1,129	1,129	1,152	1,152	1,161	1,163	1,147	1,146	1,156	1,183
1976	1,214	1,211	1,234	1,239	1,241	1,236	1,219	1,228				

SEE FOOTNOTE AT END OF TABLE.

ESTABLISHMENT DATA

B. PRODUCTION OR NONSUPERVISORY WORKERS¹ ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
INSTRUMENTS AND RELATED PRODUCTS												
1971	264	261	259	258	259	260	262	261	263	264	264	264
1972	266	267	268	271	273	277	277	280	282	285	288	290
1973	294	297	300	298	305	306	307	310	309	311	314	317
1974	317	321	323	325	324	327	327	326	324	321	316	312
1975	307	300	293	291	287	287	288	287	291	294	295	297
1976	301	304	306	310	312	313	314	311				
MISCELLANEOUS MANUFACTURING INDUSTRIES												
1971	317	314	313	315	317	317	317	318	321	319	321	321
1972	327	332	334	336	334	338	336	340	341	343	348	349
1973	349	354	354	355	353	352	353	350	350	354	356	356
1974	361	358	360	359	360	358	356	353	349	342	333	318
1975	313	308	303	302	303	303	307	310	315	314	314	312
1976	323	325	328	327	329	328	320					
NONDURABLE GOODS												
1971	5,855	5,839	5,834	5,845	5,864	5,836	5,827	5,827	5,861	5,837	5,864	5,861
1972	5,878	5,894	5,915	5,939	5,954	5,982	5,938	5,948	5,955	5,979	6,010	6,033
1973	6,037	6,068	6,084	6,096	6,085	6,096	6,045	6,048	6,028	6,059	6,092	6,095
1974	6,097	6,076	6,058	6,040	6,051	6,030	6,004	5,992	5,963	5,897	5,804	5,665
1975	5,534	5,412	5,357	5,394	5,449	5,464	5,496	5,556	5,614	5,666	5,679	5,700
1976	5,744	5,762	5,787	5,829	5,777	5,760	5,740	5,716				
FOOD AND KINDRED PRODUCTS												
1971	1,188	1,185	1,182	1,183	1,186	1,187	1,193	1,190	1,191	1,168	1,182	1,178
1972	1,179	1,172	1,177	1,179	1,176	1,200	1,185	1,166	1,165	1,167	1,166	1,167
1973	1,170	1,174	1,171	1,169	1,162	1,165	1,157	1,137	1,142	1,161	1,176	1,181
1974	1,183	1,182	1,189	1,176	1,176	1,162	1,150	1,157	1,157	1,157	1,149	1,142
1975	1,126	1,120	1,121	1,125	1,130	1,134	1,135	1,144	1,147	1,151	1,145	1,145
1976	1,156	1,164	1,157	1,164	1,167	1,172	1,177	1,168				
TOBACCO MANUFACTURES												
1971	67	67	64	66	66	65	57	61	65	61	62	60
1972	61	62	63	64	64	64	63	61	60	58	60	62
1973	62	64	66	66	67	67	65	65	65	65	67	67
1974	67	67	67	67	66	65	65	66	66	66	63	64
1975	66	66	64	63	62	62	65	65	66	66	67	66
1976	65	64	62	63	63	62	67	65				
TEXTILE MILL PRODUCTS												
1971	837	834	834	836	841	837	842	839	842	844	847	850
1972	855	857	864	867	872	874	875	875	877	882	889	895
1973	895	903	906	904	905	904	902	900	898	898	901	899
1974	897	891	885	883	882	879	871	867	861	834	814	785
1975	749	730	728	747	769	775	783	798	816	827	830	831
1976	836	841	844	850	855	850	847	845				
APPAREL AND OTHER TEXTILE PRODUCTS												
1971	1,177	1,171	1,176	1,178	1,185	1,173	1,166	1,172	1,176	1,180	1,187	1,184
1972	1,186	1,193	1,194	1,200	1,196	1,195	1,173	1,201	1,204	1,209	1,219	1,222
1973	1,218	1,229	1,232	1,239	1,234	1,233	1,192	1,219	1,214	1,214	1,214	1,209
1974	1,209	1,199	1,185	1,184	1,189	1,179	1,172	1,163	1,155	1,138	1,118	1,068
1975	1,043	1,019	1,006	1,024	1,039	1,048	1,060	1,073	1,086	1,104	1,112	1,122
1976	1,132	1,128	1,137	1,140	1,139	1,138	1,115	1,109				
PAPER AND ALLIED PRODUCTS												
1971	529	526	523	524	517	517	512	517	527	523	523	524
1972	523	522	525	529	533	534	534	533	533	534	536	538
1973	539	541	543	543	545	546	543	546	542	544	546	546
1974	550	548	548	548	547	546	546	542	539	529	522	512
1975	500	485	474	471	473	471	475	479	485	489	492	497
1976	503	504	508	513	516	517	516	514				
PRINTING AND PUBLISHING												
1971	662	661	658	655	656	655	653	650	653	654	653	653
1972	656	658	659	660	662	661	659	661	661	663	665	665
1973	666	668	670	671	669	670	669	667	667	669	673	673
1974	673	677	672	669	672	675	676	674	671	668	662	660
1975	656	650	644	639	636	632	629	631	631	630	629	629
1976	627	627	629	630	632	630	630	629				
CHEMICALS AND ALLIED PRODUCTS												
1971	584	584	582	584	587	581	579	576	577	578	579	578
1972	579	580	579	580	584	584	582	583	585	587	591	593
1973	593	593	595	596	599	600	605	602	601	605	605	606
1974	609	609	610	609	612	615	617	619	619	618	611	596
1975	584	576	563	559	563	562	562	566	570	576	578	577
1976	582	587	588	591	592	587	591	595				
PETROLEUM AND COAL PRODUCTS												
1971	117	117	117	118	118	118	119	119	119	118	119	119
1972	116	121	120	121	120	120	120	120	121	122	122	123
1973	122	120	121	120	119	122	123	124	124	124	125	126
1974	126	126	125	126	128	127	127	126	126	127	127	126
1975	120	117	122	122	124	125	126	127	128	129	130	130
1976	131	132	132	134	132	130	130	130				

SEE FOOTNOTE AT END OF TABLE.

ESTABLISHMENT DATA

B. PRODUCTION OR NONSUPERVISORY WORKERS¹ ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
(IN THOUSANDS)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
RUBBER AND PLASTICS PRODUCTS, NEC												
1971	432	435	440	443	450	446	450	447	456	457	456	459
1972	465	469	474	480	485	489	487	487	490	499	507	514
1973	519	525	529	537	534	539	541	538	529	532	538	542
1974	540	535	534	536	538	542	540	540	534	530	508	487
1975	471	438	428	436	440	439	442	452	460	465	464	469
1976	474	476	490	503	439	436	433	432				
LEATHER AND LEATHER PRODUCTS												
1971	262	259	258	258	258	257	256	256	255	254	256	256
1972	258	260	260	259	262	261	260	260	259	258	255	254
1973	253	251	251	251	251	250	247	248	246	247	247	246
1974	243	242	243	242	241	240	240	238	235	230	230	225
1975	219	211	207	208	213	216	219	221	225	229	232	234
1976	238	239	240	241	242	238	234	229				
PRIVATE SERVICE-PRODUCING												
1971	30,988	31,008	31,053	31,110	31,191	31,202	31,277	31,264	31,424	31,410	31,463	31,646
1972	31,788	31,864	32,050	32,140	32,277	32,400	32,442	32,537	32,615	32,727	32,850	33,003
1973	33,156	33,341	33,466	33,563	33,651	33,735	33,776	33,910	34,008	34,114	34,264	34,232
1974	34,274	34,386	34,457	34,535	34,662	34,714	34,780	34,807	34,861	34,903	34,798	34,673
1975	34,578	34,505	34,450	34,441	34,466	34,444	34,611	34,696	34,812	34,875	34,903	35,016
1976	35,183	35,357	35,502	35,633	35,635	35,678	35,789	35,887				
TRANSPORTATION AND PUBLIC UTILITIES												
1971	3,874	3,894	3,885	3,879	3,884	3,879	3,871	3,831	3,854	3,814	3,819	3,852
1972	3,869	3,859	3,899	3,898	3,906	3,912	3,910	3,914	3,927	3,948	3,964	3,982
1973	3,977	3,981	3,994	4,007	4,011	4,015	4,018	4,033	4,037	4,055	4,048	4,050
1974	4,071	4,080	4,078	4,076	4,073	4,064	4,061	4,065	4,039	4,041	4,031	4,015
1975	3,948	3,910	3,869	3,865	3,857	3,839	3,834	3,825	3,831	3,831	3,846	3,840
1976	3,846	3,864	3,863	3,869	3,859	3,840	3,859	3,854				
WHOLESALE AND RETAIL TRADE												
1971	13,488	13,498	13,517	13,551	13,588	13,577	13,628	13,668	13,719	13,727	13,728	13,827
1972	13,910	13,959	14,042	14,080	14,137	14,179	14,185	14,240	14,293	14,335	14,391	14,458
1973	14,544	14,655	14,718	14,737	14,784	14,805	14,800	14,836	14,870	14,906	14,981	14,929
1974	14,944	14,958	14,979	15,036	15,081	15,104	15,144	15,140	15,172	15,176	15,080	14,963
1975	14,926	14,895	14,880	14,875	14,882	14,905	14,969	15,000	15,042	15,065	15,034	15,090
1976	15,198	15,297	15,373	15,435	15,433	15,433	15,476	15,504				
WHOLESALE TRADE												
1971	3,184	3,183	3,187	3,186	3,194	3,172	3,178	3,186	3,198	3,202	3,211	3,221
1972	3,231	3,243	3,266	3,276	3,290	3,305	3,306	3,320	3,326	3,333	3,339	3,353
1973	3,374	3,391	3,402	3,410	3,411	3,432	3,430	3,443	3,450	3,466	3,492	3,485
1974	3,505	3,510	3,515	3,519	3,528	3,532	3,532	3,536	3,535	3,540	3,537	3,522
1975	3,495	3,477	3,464	3,461	3,458	3,443	3,448	3,448	3,463	3,459	3,455	3,470
1976	3,488	3,502	3,505	3,520	3,528	3,523	3,532	3,534				
RETAIL TRADE												
1971	10,304	10,315	10,330	10,365	10,394	10,405	10,450	10,482	10,521	10,525	10,517	10,606
1972	10,679	10,716	10,776	10,804	10,847	10,874	10,879	10,920	10,967	11,002	11,052	11,105
1973	11,170	11,264	11,316	11,327	11,373	11,373	11,370	11,393	11,420	11,440	11,489	11,444
1974	11,439	11,448	11,464	11,517	11,553	11,572	11,612	11,604	11,637	11,636	11,543	11,441
1975	11,431	11,418	11,416	11,414	11,424	11,462	11,521	11,552	11,579	11,606	11,579	11,620
1976	11,710	11,795	11,868	11,915	11,905	11,910	11,944	11,970				
FINANCE, INSURANCE, AND REAL ESTATE												
1971	2,950	2,953	2,958	2,972	2,983	2,999	3,005	3,003	3,015	3,023	3,034	3,039
1972	3,050	3,055	3,064	3,066	3,082	3,096	3,094	3,106	3,110	3,116	3,126	3,133
1973	3,137	3,152	3,160	3,166	3,176	3,178	3,191	3,199	3,202	3,211	3,219	3,222
1974	3,220	3,236	3,242	3,243	3,249	3,246	3,243	3,243	3,245	3,247	3,232	3,232
1975	3,225	3,217	3,210	3,206	3,212	3,208	3,209	3,218	3,230	3,232	3,240	3,251
1976	3,258	3,258	3,268	3,276	3,263	3,280	3,288	3,289				
SERVICES												
1971	10,676	10,663	10,693	10,708	10,736	10,747	10,773	10,762	10,836	10,846	10,882	10,928
1972	10,959	10,991	11,045	11,096	11,152	11,213	11,253	11,277	11,285	11,328	11,369	11,430
1973	11,498	11,553	11,594	11,653	11,680	11,737	11,767	11,842	11,899	11,942	12,016	12,031
1974	12,039	12,112	12,158	12,180	12,259	12,300	12,332	12,359	12,405	12,439	12,455	12,463
1975	12,479	12,483	12,491	12,495	12,515	12,492	12,599	12,653	12,709	12,747	12,783	12,835
1976	12,881	12,938	12,998	13,053	13,080	13,125	13,166	13,240				

1. DATA RELATE TO PRODUCTION WORKERS IN MINING AND MANUFACTURING; TO CONSTRUCTION WORKERS IN CONTRACT CONSTRUCTION; AND TO NONSUPERVISORY WORKERS IN TRANSPORTATION AND PUBLIC UTILITIES; WHOLESALE AND RETAIL TRADE; FINANCE, INSURANCE, AND REAL ESTATE; AND SERVICES.

ESTABLISHMENT DATA

C. AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS¹ ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1947 TO DATE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL PRIVATE												
1964	38.4	38.7	38.7	38.8	38.7	38.7	38.7	38.7	38.4	38.7	38.7	38.8
1965	38.8	38.8	38.9	38.7	38.8	38.7	38.7	38.7	38.5	38.7	38.7	38.8
1966	38.7	38.8	38.8	38.7	38.6	38.6	38.6	38.6	38.5	38.5	38.4	38.3
1967	38.4	38.1	38.0	37.9	38.0	37.9	37.9	38.0	38.0	37.9	38.0	37.9
1968	37.7	37.9	37.8	37.6	37.9	37.9	37.8	37.8	37.9	37.8	37.6	37.6
1969	37.8	37.6	37.8	37.7	37.7	37.6	37.6	37.7	37.7	37.5	37.5	37.5
1970	37.5	37.4	37.3	37.2	37.2	37.1	37.2	37.1	36.8	36.9	36.9	36.9
1971	37.0	36.9	37.0	36.9	37.0	37.0	36.8	36.9	36.7	37.0	37.1	37.1
1972	37.1	37.1	37.1	37.2	37.1	37.2	37.1	37.1	37.2	37.2	37.1	37.0
1973	37.0	37.1	37.2	37.2	37.1	37.1	37.1	36.9	37.0	36.9	37.0	36.9
1974	36.7	36.8	36.7	36.5	36.7	36.7	36.7	36.6	36.6	36.5	36.2	36.2
1975	36.2	36.0	35.9	35.9	36.0	36.0	36.0	36.1	36.1	36.2	36.3	36.4
1976	36.4	36.4	36.2	36.1	36.3	36.2	36.2	36.1				
MINING												
1971	42.8	42.5	42.7	42.5	42.3	42.2	42.3	42.1	41.9	42.4	42.1	42.5
1972	42.9	42.5	42.8	42.6	42.3	42.5	42.2	42.6	42.7	42.6	42.5	41.8
1973	41.9	41.8	41.9	42.0	42.4	42.5	42.5	42.8	42.9	42.5	42.9	43.5
1974	42.8	43.2	43.1	43.1	43.2	43.1	43.1	43.0	43.1	43.3	36.3	41.3
1975	42.5	42.3	41.9	41.2	42.6	42.1	42.2	42.0	42.1	42.6	42.7	42.9
1976	43.0	43.0	42.8	42.8	42.4	42.2	42.6	41.2				
CONTRACT CONSTRUCTION												
1971	37.7	36.7	37.4	37.1	36.8	37.2	37.1	37.1	35.8	37.3	38.6	36.9
1972	37.3	37.2	37.0	36.8	36.6	36.7	36.8	37.0	37.1	37.2	36.5	35.5
1973	36.1	35.9	36.7	36.9	37.2	37.1	37.1	37.0	36.8	36.7	38.0	37.0
1974	36.3	37.5	36.8	36.3	36.7	37.1	37.0	36.6	36.7	37.1	37.1	37.4
1975	37.1	36.6	34.9	36.7	36.8	36.0	36.4	36.7	36.7	36.7	36.9	37.2
1976	37.6	37.7	36.0	37.4	37.1	37.3	36.9	36.8				
MANUFACTURING												
1947	40.5	40.4	40.4	40.6	40.5	40.4	40.2	39.9	40.2	40.3	40.4	40.6
1948	40.4	40.2	40.4	40.5	40.2	40.3	40.1	40.0	39.6	39.7	39.7	39.5
1949	39.4	39.4	39.1	38.7	38.9	38.9	39.1	39.1	39.4	39.4	39.0	39.2
1950	39.6	39.7	39.7	40.1	40.2	40.5	40.8	41.1	40.7	41.0	41.0	40.8
1951	40.8	40.8	41.0	41.2	40.9	40.7	40.6	40.2	40.4	40.2	40.4	40.6
1952	40.7	40.7	40.6	40.1	40.4	40.5	40.2	40.5	41.1	41.1	41.0	41.1
1953	41.0	40.9	41.1	41.1	40.8	40.7	40.6	40.4	39.8	40.0	39.8	39.7
1954	39.5	39.6	39.5	39.4	39.5	39.6	39.6	39.7	39.5	39.6	40.1	40.0
1955	40.3	40.5	40.7	40.6	40.9	40.6	40.6	40.6	40.7	40.9	41.0	40.8
1956	40.8	40.6	40.4	40.6	40.2	40.1	40.2	40.1	40.5	40.5	40.4	40.5
1957	40.3	40.4	40.2	40.1	39.8	39.9	39.8	39.8	39.7	39.3	39.2	39.0
1958	38.8	38.6	38.7	38.6	38.7	39.0	39.2	39.4	39.6	39.5	39.8	39.8
1959	40.1	40.2	40.4	40.5	40.6	40.5	40.2	40.3	40.1	40.1	39.9	40.2
1960	40.5	40.1	39.9	39.7	40.0	39.8	39.8	39.7	39.4	39.6	39.2	38.4
1961	39.2	39.3	39.4	39.6	39.6	39.9	40.0	40.0	39.6	40.2	40.5	40.3
1962	40.0	40.3	40.5	40.7	40.5	40.4	40.4	40.3	40.5	40.2	40.3	40.2
1963	40.4	40.3	40.3	40.2	40.5	40.6	40.5	40.4	40.6	40.6	40.4	40.6
1964	40.1	40.6	40.6	40.8	40.7	40.7	40.7	40.9	40.5	40.6	40.8	41.1
1965	41.2	41.3	41.4	41.0	41.2	41.1	41.1	41.0	40.8	41.2	41.2	41.4
1966	41.5	41.6	41.5	41.5	41.5	41.4	41.2	41.4	41.2	41.3	41.2	40.9
1967	41.0	40.4	40.4	40.5	40.5	40.4	40.5	40.6	40.7	40.6	40.6	40.7
1968	40.2	41.0	40.7	40.1	40.9	40.9	40.8	40.7	40.9	40.9	40.8	40.7
1969	40.7	40.4	40.8	40.7	40.7	40.7	40.6	40.6	40.7	40.5	40.4	40.5
1970	40.4	40.2	40.1	39.9	39.8	39.9	40.0	39.8	39.3	39.5	39.5	39.5
1971	39.9	39.7	39.8	39.7	40.0	40.0	39.9	39.8	39.4	39.9	40.0	40.2
1972	40.2	40.5	40.4	40.7	40.5	40.6	40.6	40.6	40.6	40.7	40.8	40.6
1973	40.4	41.0	40.9	41.0	40.8	40.7	40.7	40.5	40.7	40.6	40.7	40.6
1974	40.4	40.4	40.4	39.3	40.3	40.2	40.2	40.1	40.0	40.0	39.5	39.3
1975	39.1	38.9	38.9	39.0	39.1	39.3	39.4	39.7	39.8	39.8	39.9	40.3
1976	40.4	40.3	40.3	39.4	40.3	40.2	40.1	40.0				
DURABLE GOODS												
1947	40.5	40.5	40.6	40.7	40.6	40.7	40.4	40.0	40.5	40.5	40.6	40.9
1948	40.7	40.5	40.7	40.5	40.2	40.5	40.3	40.6	39.9	40.3	40.3	40.0
1949	39.9	39.9	39.4	39.1	39.1	39.1	39.3	39.3	39.6	39.4	38.9	39.4
1950	39.8	40.0	40.1	40.9	40.9	41.2	41.7	41.8	41.5	41.7	41.6	41.5
1951	41.4	41.4	41.7	42.0	41.8	41.6	41.5	41.3	41.4	41.3	41.4	41.5
1952	41.7	41.6	41.5	40.8	41.1	41.2	40.8	41.1	41.8	41.8	41.7	41.9
1953	41.8	41.7	41.8	41.7	41.5	41.4	41.3	41.2	40.5	40.7	40.5	40.2
1954	40.1	40.2	39.9	39.8	40.0	40.0	40.1	40.1	39.9	40.1	40.6	40.5
1955	40.9	41.1	41.3	41.3	41.6	41.2	41.2	41.2	41.3	41.5	41.7	41.4
1956	41.3	41.0	40.9	41.2	40.8	40.7	41.0	40.8	41.1	41.2	41.0	41.3
1957	41.0	41.1	40.8	40.6	40.3	40.4	40.2	40.3	40.0	39.6	39.6	39.2
1958	39.0	38.8	39.0	38.9	39.0	39.4	39.5	39.7	39.9	39.8	40.1	40.2
1959	40.5	40.6	40.8	41.0	41.1	41.1	40.6	40.7	40.4	40.6	40.1	40.7
1960	41.1	40.7	40.4	40.1	40.4	40.2	40.1	40.0	39.8	40.0	39.5	38.7
1961	39.6	39.7	39.7	40.0	40.1	40.3	40.4	40.5	39.9	40.8	41.1	40.9
1962	40.5	40.9	41.0	41.2	41.0	40.9	40.9	40.9	41.1	40.8	40.9	40.8
1963	41.0	41.0	40.9	40.8	41.1	41.3	41.3	41.0	41.2	41.2	41.1	41.2
1964	40.9	41.3	41.3	41.5	41.4	41.5	41.5	41.7	41.4	41.2	41.6	41.9

¹ SEE FOOTNOTE 1, TABLE B.

ESTABLISHMENT DATA

1

C. AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1947 TO DATE--CONTINUED

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
DURABLE GOODS--CONTINUED												
1965	42.0	42.1	42.2	41.9	42.1	42.0	41.9	41.8	41.5	42.0	42.0	42.2
1966	42.4	42.5	42.4	42.4	42.3	42.2	41.9	42.2	42.1	42.0	42.0	41.6
1967	41.7	41.1	41.0	41.0	41.1	41.0	41.1	41.3	41.3	41.2	41.0	41.3
1968	41.0	41.6	41.3	40.7	41.6	41.5	41.5	41.2	41.5	41.6	41.5	41.2
1969	41.3	41.2	41.5	41.5	41.3	41.3	41.2	41.3	41.4	41.2	41.0	41.2
1970	41.0	40.6	40.6	40.4	40.3	40.4	40.6	40.4	39.8	40.0	40.0	39.9
1971	40.5	40.2	40.4	40.2	40.5	40.6	40.4	40.2	39.7	40.4	40.5	40.8
1972	40.8	41.1	41.1	41.4	41.2	41.3	41.2	41.3	41.4	41.5	41.6	41.4
1973	41.4	41.9	41.7	41.8	41.6	41.4	41.4	41.2	41.4	41.3	41.4	41.3
1974	41.0	41.0	41.0	39.8	41.0	40.9	40.8	40.9	40.7	40.8	40.3	40.1
1975	40.0	39.7	39.5	39.7	39.6	39.7	39.9	40.1	40.1	40.1	40.3	40.7
1976	40.8	40.7	40.7	39.8	40.9	40.9	40.9	40.8				
ORDNANCE AND ACCESSORIES												
1971	41.9	41.1	41.5	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7
1972	41.8	42.0	41.8	42.0	41.9	41.8	42.1	42.6	42.0	42.2	42.0	42.0
1973	42.0	42.3	42.0	41.7	41.6	41.5	42.1	41.2	42.0	41.9	41.5	41.8
1974	41.4	41.6	42.1	41.3	42.2	41.9	41.6	41.6	41.4	41.3	41.8	41.7
1975	41.7	41.4	41.3	41.4	41.1	41.6	40.1	41.4	41.6	41.5	41.5	41.3
1976	41.3	40.8	40.8	39.7	40.8	41.1	40.9	40.7				
LUMBER AND WOOD PRODUCTS												
1971	39.9	39.9	40.0	40.1	39.9	40.3	40.5	40.2	40.0	40.8	40.9	40.8
1972	41.0	40.9	41.0	41.1	41.0	41.2	41.2	41.1	41.2	41.3	41.2	39.8
1973	40.0	40.7	41.2	41.2	40.9	40.8	40.5	40.6	40.6	40.6	40.4	40.9
1974	40.6	40.5	40.4	40.1	40.2	40.0	39.8	39.8	39.1	38.9	38.6	38.2
1975	38.0	38.5	38.1	38.8	38.8	39.0	39.2	39.4	39.6	39.7	39.6	40.1
1976	40.9	40.3	40.0	40.0	40.1	39.8	40.6	40.2				
FURNITURE AND FIXTURES												
1971	39.5	39.4	39.5	39.4	39.9	39.8	40.1	39.9	39.4	39.9	40.1	40.1
1972	40.3	40.6	40.5	40.7	40.6	40.8	40.5	40.6	40.4	40.4	40.4	40.1
1973	39.0	40.5	40.7	40.4	40.3	40.0	39.9	39.8	39.6	39.6	39.7	39.8
1974	39.8	39.7	39.7	38.8	39.4	39.4	39.4	38.9	38.6	38.6	37.8	37.3
1975	36.5	36.3	36.7	37.2	37.5	37.6	37.9	38.3	38.8	38.9	39.1	39.4
1976	39.3	39.3	39.2	38.4	39.0	38.6	38.6	38.5				
STONE, CLAY, AND GLASS PRODUCTS												
1971	41.2	41.2	41.5	41.2	41.5	41.9	41.8	41.8	41.5	41.8	41.8	41.6
1972	41.9	42.0	42.0	42.1	41.9	42.0	41.9	41.9	42.0	42.1	41.8	41.4
1973	41.1	42.2	42.3	42.5	42.4	42.2	42.2	42.0	42.3	42.0	42.1	42.0
1974	41.5	41.8	41.7	41.4	41.6	41.5	41.4	41.4	41.3	41.3	41.2	40.9
1975	40.7	40.2	39.7	40.4	40.3	40.4	40.6	40.7	40.8	40.8	40.9	41.2
1976	41.4	41.4	40.8	41.1	41.4	41.4	41.0	41.1				
PRIMARY METAL INDUSTRIES												
1971	40.4	40.6	40.7	40.9	41.1	41.1	40.8	39.0	39.2	40.1	40.2	40.8
1972	40.7	41.1	41.3	41.4	41.5	41.6	41.6	41.8	41.6	42.0	42.5	42.2
1973	42.5	42.6	42.4	42.6	42.2	42.1	42.3	42.0	42.3	42.5	43.2	42.2
1974	41.9	41.5	41.7	41.5	41.8	41.8	41.8	41.8	41.9	41.9	41.4	41.0
1975	40.5	40.3	40.0	39.9	39.6	39.7	39.7	39.9	39.8	39.8	40.0	40.2
1976	40.3	40.6	40.6	40.6	41.0	41.2	41.2	40.9				
FABRICATED METAL PRODUCTS												
1971	40.7	40.2	40.3	40.0	40.6	40.5	40.7	40.4	39.6	40.3	40.4	40.9
1972	40.7	41.0	40.9	41.2	41.2	41.2	41.3	41.4	41.3	41.4	41.5	41.5
1973	41.5	41.9	41.8	41.8	41.8	41.7	41.7	41.5	41.5	41.5	41.6	41.3
1974	41.1	41.2	41.3	39.6	41.2	41.1	40.9	41.1	41.1	40.9	40.4	40.4
1975	40.3	39.7	39.7	39.6	39.6	39.6	39.7	40.0	40.2	40.3	40.5	41.0
1976	40.9	40.9	40.9	39.6	41.0	41.0	41.0	41.0				
MACHINERY, EXCEPT ELECTRICAL												
1971	40.4	40.2	40.3	40.3	40.6	40.7	40.9	40.7	40.4	40.8	40.9	41.1
1972	41.1	41.5	41.5	41.9	41.9	42.2	42.2	42.2	42.2	42.3	42.5	42.5
1973	42.5	42.8	42.8	42.6	42.8	42.6	42.3	42.4	42.8	42.6	42.2	42.8
1974	42.4	42.4	42.6	40.8	42.5	42.5	42.4	42.6	42.5	42.5	42.1	41.9
1975	41.7	41.2	41.0	40.9	40.6	40.5	40.6	40.8	40.7	40.6	40.9	41.0
1976	41.2	41.1	41.1	40.2	41.2	41.2	41.5	41.4				
ELECTRICAL EQUIPMENT AND SUPPLIES												
1971	39.8	39.5	39.6	39.6	39.9	39.9	40.2	40.0	39.6	39.9	40.1	40.2
1972	40.1	40.5	40.2	40.6	40.4	40.5	40.5	40.6	40.5	40.7	40.8	40.6
1973	40.6	40.9	40.7	40.6	40.7	40.1	40.3	40.3	40.4	40.1	40.3	40.2
1974	39.9	40.0	40.1	38.9	40.0	40.1	39.9	39.7	39.8	39.7	39.6	39.6
1975	39.4	39.2	39.2	39.3	39.2	39.3	39.5	39.6	39.6	39.6	39.7	40.0
1976	40.3	40.2	40.1	39.1	40.2	40.1	40.1	40.1				
TRANSPORTATION EQUIPMENT												
1971	41.6	41.2	41.5	40.5	40.9	41.0	39.4	40.4	38.7	40.6	40.8	41.2
1972	41.2	41.7	41.8	42.4	41.9	41.7	41.3	41.4	42.0	41.8	42.3	42.4
1973	42.6	43.1	42.3	42.9	42.1	42.1	42.1	41.1	41.4	41.5	41.4	41.1
1974	40.5	40.5	40.5	38.2	40.6	40.1	40.2	40.5	40.1	40.7	39.7	39.5
1975	39.6	39.4	39.3	39.7	39.6	40.1	40.7	41.0	40.9	40.6	41.0	41.9
1976	41.7	41.8	42.2	39.8	42.4	42.5	42.0	41.9				

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SEE FOOTNOTE 1, TABLE B.

ESTABLISHMENT DATA

C. AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS¹ ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1947 TO DATE--CONTINUED

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
INSTRUMENTS AND RELATED PRODUCTS												
1971	39.8	39.5	39.7	39.6	39.9	39.7	39.8	39.8	39.7	40.0	40.1	40.3
1972	40.3	40.5	40.3	40.6	40.6	40.7	40.5	40.6	40.6	40.6	40.6	40.4
1973	40.4	40.7	40.7	40.8	40.8	40.7	40.7	40.5	40.9	40.8	40.9	41.0
1974	40.8	40.8	40.7	39.4	40.4	40.5	40.2	40.4	40.1	40.0	39.9	39.7
1975	39.6	39.0	39.1	39.2	39.3	39.4	39.7	39.5	39.7	39.8	39.9	40.3
1976	40.4	40.2	40.5	39.6	40.8	40.5	40.8	40.4				
MISCELLANEOUS MANUFACTURING INDUSTRIES												
1971	38.8	38.1	38.7	38.5	38.9	38.7	39.1	39.1	38.9	39.2	39.1	39.2
1972	39.2	39.4	39.2	39.5	39.4	39.5	39.2	39.4	39.4	39.3	39.4	39.0
1973	38.9	39.3	39.3	39.0	38.9	38.9	38.8	38.7	39.0	38.6	39.0	38.8
1974	38.6	38.9	38.9	37.6	38.8	38.9	38.9	38.7	38.4	38.4	38.0	38.1
1975	38.1	37.8	37.7	38.1	38.1	38.2	38.2	38.3	38.6	38.8	38.7	39.0
1976	39.0	38.7	38.8	38.0	38.7	38.5	38.8	38.5				
NONDURABLE GOODS												
1947	40.6	40.4	40.2	40.4	40.4	40.1	40.0	39.7	40.0	40.1	40.1	40.3
1948	40.1	39.9	40.0	40.5	40.2	40.0	39.8	39.4	39.2	38.9	39.0	38.9
1949	38.7	38.9	38.7	38.4	38.6	38.7	38.8	38.8	39.2	39.4	39.1	39.0
1950	39.3	39.3	39.3	39.3	39.4	39.6	39.9	40.3	39.8	40.1	40.2	40.0
1951	40.2	40.0	40.0	40.3	39.7	39.5	39.4	38.9	39.0	38.8	39.0	39.4
1952	39.5	39.5	39.3	39.1	39.5	39.6	39.5	39.7	40.1	40.2	40.0	40.0
1953	39.9	39.8	40.1	40.2	39.9	39.8	39.7	39.4	38.7	39.1	39.0	38.9
1954	38.7	38.9	38.9	38.8	38.9	39.0	39.1	39.1	39.0	39.0	39.4	39.4
1955	39.5	39.7	39.8	39.6	40.0	39.9	39.8	39.8	39.9	40.1	40.2	40.0
1956	40.1	39.9	39.7	39.7	39.4	39.2	39.3	39.3	39.5	39.6	39.5	39.4
1957	39.4	39.5	39.4	39.4	39.2	39.2	39.4	39.2	39.4	38.9	38.7	38.7
1958	38.6	38.4	38.4	38.2	38.4	38.6	38.8	39.0	39.2	39.2	39.4	39.3
1959	39.6	39.7	39.8	39.9	39.9	39.8	39.7	39.7	39.6	39.4	39.6	39.6
1960	39.7	39.4	39.2	39.2	39.6	39.4	39.4	39.2	38.9	39.0	38.8	37.9
1961	38.8	38.9	39.0	39.2	39.1	39.3	39.4	39.5	39.2	39.6	39.8	39.6
1962	39.3	39.5	39.8	40.0	39.8	39.8	39.8	39.5	39.7	39.3	39.5	39.5
1963	39.5	39.5	39.6	39.3	39.6	39.6	39.6	39.7	39.7	39.8	39.5	39.7
1964	39.1	39.8	39.7	39.8	39.8	39.7	39.7	39.8	39.3	39.9	39.8	40.0
1965	40.1	40.1	40.2	39.8	40.0	40.0	40.1	40.0	39.9	40.1	40.2	40.2
1966	40.2	40.5	40.4	40.3	40.3	40.3	40.2	40.2	40.0	40.2	40.1	39.9
1967	40.0	39.5	39.5	39.7	39.6	39.6	39.6	39.7	39.9	39.8	40.0	39.8
1968	39.3	40.1	39.9	39.1	39.9	40.0	39.9	39.9	40.0	40.0	39.7	39.8
1969	39.7	39.3	39.8	39.7	39.8	39.8	39.7	39.7	39.7	39.6	39.6	39.7
1970	39.6	39.5	39.3	39.2	39.2	39.1	39.2	39.1	38.6	38.9	39.0	39.0
1971	39.3	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.1	39.3	39.4	39.5
1972	39.5	39.6	39.6	39.9	39.6	39.7	39.7	39.7	39.7	39.8	39.8	39.5
1973	39.0	39.7	39.8	39.8	39.7	39.6	39.6	39.4	39.6	39.5	39.7	39.7
1974	39.5	39.6	39.5	38.7	39.4	39.2	39.3	39.1	38.9	38.9	38.4	38.2
1975	38.0	37.8	37.9	38.2	38.4	38.7	38.8	39.2	39.4	39.4	39.5	39.7
1976	39.8	39.7	39.6	38.9	39.5	39.3	39.1	38.9				
FOOD AND KINDRED PRODUCTS												
1971	40.8	40.7	40.5	40.4	40.4	40.3	40.2	40.1	40.0	40.0	40.0	40.2
1972	40.1	40.1	40.5	40.7	40.4	40.5	40.4	40.3	40.2	40.3	40.2	40.2
1973	40.0	40.1	40.2	40.2	40.3	40.2	40.2	40.3	40.5	40.4	40.7	40.7
1974	40.7	40.7	40.4	39.9	40.5	40.6	40.4	40.4	40.3	40.2	40.1	40.0
1975	39.9	39.9	40.2	40.0	39.9	40.0	40.1	40.7	40.9	40.5	40.4	40.5
1976	40.6	40.4	40.3	40.1	40.2	40.1	40.0	40.1				
TOBACCO MANUFACTURES												
1971	38.9	36.5	38.0	37.5	38.2	37.1	40.3	37.9	38.2	36.2	37.5	37.7
1972	37.2	36.7	37.1	36.7	36.9	37.8	37.8	38.0	37.1	38.1	37.4	37.9
1973	36.5	38.2	38.3	38.7	38.2	38.4	36.8	38.6	38.4	39.3	39.9	38.7
1974	39.2	38.6	37.2	38.1	39.0	37.6	38.0	37.6	38.2	37.5	37.0	37.9
1975	37.4	37.3	38.3	37.9	37.2	39.7	35.9	37.7	38.1	37.7	39.2	38.0
1976	39.0	39.2	39.0	38.6	38.6	38.3	35.0	36.8				
TEXTILE MILL PRODUCTS												
1971	40.5	40.3	40.3	40.2	40.8	40.6	40.4	40.7	40.5	41.0	41.1	41.1
1972	41.3	41.4	41.4	41.6	41.3	41.3	41.1	41.2	41.2	41.4	41.5	41.4
1973	39.7	41.2	41.4	41.7	41.0	40.9	40.8	40.8	40.8	40.6	40.8	40.9
1974	40.6	40.7	40.6	39.2	40.2	40.2	40.3	39.3	38.9	36.3	37.7	36.7
1975	36.1	36.1	37.0	37.9	38.9	39.2	39.7	40.3	40.7	40.9	41.0	41.2
1976	41.2	40.9	40.9	39.3	40.6	40.3	40.2	39.3				
APPAREL AND OTHER TEXTILE PRODUCTS												
1971	35.4	35.0	35.3	35.1	35.6	35.5	35.8	35.8	35.3	35.8	36.1	35.9
1972	36.0	36.3	35.9	36.1	35.8	35.9	35.9	35.9	35.9	36.1	36.1	35.7
1973	34.7	36.0	36.3	36.1	36.0	35.9	35.9	35.6	35.6	35.7	35.7	35.9
1974	35.4	35.7	35.5	34.5	35.7	34.7	35.3	35.2	35.0	35.2	34.4	34.2
1975	34.1	33.7	33.9	34.3	34.5	35.1	35.2	35.5	35.9	36.0	36.1	36.5
1976	36.5	36.4	36.3	34.9	36.0	35.8	35.5	35.2				
PAPER AND ALLIED PRODUCTS												
1971	41.7	41.9	41.9	42.2	42.1	42.2	42.4	42.3	41.9	42.1	42.2	42.4
1972	42.1	42.7	42.7	42.9	42.7	42.9	42.8	42.9	42.9	42.9	43.1	42.8
1973	42.3	43.1	43.1	42.9	42.9	42.7	42.7	42.3	42.8	42.6	42.8	42.7
1974	42.8	42.6	42.7	41.9	42.4	42.4	42.3	42.0	41.8	41.7	41.3	41.2
1975	40.9	40.6	40.6	40.6	41.0	41.4	41.6	42.1	42.1	42.2	42.4	42.8
1976	42.6	42.8	42.6	42.1	42.8	42.4	42.3	42.1				

¹ SEE FOOTNOTE 1, TABLE 8.

ESTABLISHMENT DATA

1

U. S. AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1947 TO DATE--CONTINUED

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PRINTING AND PUBLISHING												
1971	37.7	37.5	37.5	37.5	37.7	37.7	37.6	37.5	37.4	37.5	37.5	37.5
1972	37.5	37.6	37.6	38.1	37.7	37.9	38.0	37.9	38.2	38.0	38.1	37.6
1973	37.8	38.0	38.1	38.1	38.0	37.9	37.8	37.7	38.0	37.9	37.8	37.7
1974	37.7	37.7	37.7	37.2	37.8	37.7	37.6	37.8	37.6	37.6	37.3	37.2
1975	37.3	37.1	37.0	36.9	36.8	36.8	36.8	37.0	36.9	37.0	37.2	37.5
1976	37.7	37.5	37.4	37.2	37.6	37.5	37.7	37.5				
CHEMICALS AND ALLIED PRODUCTS												
1971	41.5	41.5	41.4	41.7	41.5	41.6	41.4	41.5	42.1	41.5	41.5	41.6
1972	41.8	41.8	41.8	41.8	41.6	41.9	41.7	41.7	41.9	42.0	41.9	42.0
1973	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	41.9	41.9	42.0	41.9
1974	41.9	42.0	41.9	41.9	41.8	41.8	41.7	41.7	41.4	41.3	41.1	41.0
1975	40.7	40.6	40.5	40.5	40.6	40.8	40.9	41.1	41.2	41.4	41.4	41.6
1976	41.6	41.7	41.6	41.7	41.6	41.5	41.4	41.3				
PETROLEUM AND COAL PRODUCTS												
1971	42.7	43.1	42.4	42.3	42.5	42.5	42.4	42.6	42.3	42.3	41.8	42.4
1972	42.5	42.2	42.3	42.6	42.2	42.3	41.9	42.1	42.3	42.3	42.2	42.1
1973	42.0	41.9	42.0	42.1	42.4	41.8	42.6	42.5	42.5	42.3	42.9	42.4
1974	42.6	42.7	42.8	42.7	42.5	42.6	42.3	42.2	42.3	42.5	42.1	42.2
1975	41.8	41.8	41.7	41.0	41.5	41.3	41.4	41.2	41.6	41.7	41.9	41.9
1976	42.4	42.3	42.2	42.2	42.2	42.0	42.2	42.3				
RUBBER AND PLASTICS PRODUCTS, NEC												
1971	40.1	39.8	40.1	40.1	40.4	40.5	40.4	40.3	40.1	40.5	40.6	40.9
1972	40.8	40.9	40.9	41.3	41.2	41.3	41.0	41.3	41.2	41.3	41.5	41.2
1973	41.2	41.4	41.5	41.5	41.1	40.8	40.9	40.6	40.9	41.0	41.1	41.0
1974	40.7	40.8	40.6	39.3	40.5	40.6	40.5	40.6	40.4	40.8	39.8	39.5
1975	39.4	38.7	38.5	39.2	39.6	39.6	40.0	40.0	40.1	40.1	40.1	40.6
1976	40.8	40.7	40.8	39.6	40.7	40.3	40.3	40.0				
LEATHER AND LEATHER PRODUCTS												
1971	37.4	37.0	37.3	38.0	37.6	37.4	37.8	37.6	37.2	38.0	38.3	38.3
1972	38.5	38.7	38.2	38.8	38.5	38.5	38.4	38.8	38.4	37.8	37.8	36.7
1973	37.6	37.8	37.8	38.2	37.9	37.9	37.8	38.0	38.0	37.8	37.9	37.8
1974	37.7	37.9	38.0	37.3	37.6	37.5	37.0	37.1	36.6	36.8	36.6	36.3
1975	35.9	35.3	35.1	36.7	36.7	37.4	37.8	38.0	38.4	38.8	38.5	38.8
1976	38.8	38.4	38.3	37.7	38.2	37.0	37.0	36.7				
TRANSPORTATION AND PUBLIC UTILITIES												
1971	39.9	40.6	40.5	40.5	39.9	40.5	37.8	40.3	40.5	40.2	40.4	40.6
1972	40.2	40.4	40.6	40.4	40.6	40.6	40.4	40.6	40.4	40.4	40.6	40.6
1973	40.6	40.5	40.5	40.5	40.8	40.7	40.7	40.7	40.5	40.6	40.6	40.4
1974	40.5	40.3	40.1	40.5	40.6	40.2	40.5	40.2	40.2	40.1	39.8	39.7
1975	40.0	39.7	39.7	39.7	39.3	39.5	39.5	39.5	39.7	39.7	39.6	39.9
1976	39.6	39.8	39.9	39.8	39.7	39.8	39.8	40.0				
WHOLESALE AND RETAIL TRADE												
1964	37.9	38.1	38.0	38.0	38.0	37.9	37.9	37.8	37.7	37.9	37.8	37.9
1965	37.9	37.9	37.9	37.9	37.9	37.6	37.6	37.6	37.5	37.5	37.4	37.4
1966	37.4	37.4	37.3	37.3	37.2	37.1	37.1	37.1	36.9	36.9	36.8	36.8
1967	36.8	36.7	36.6	36.6	36.5	36.5	36.4	36.4	36.5	36.3	36.3	36.3
1968	36.2	36.2	36.1	36.1	36.0	36.1	36.0	36.0	36.0	35.9	35.9	35.7
1969	35.9	35.7	35.8	35.6	35.7	35.6	35.5	35.7	35.6	35.4	35.5	35.4
1970	35.5	35.3	35.3	35.2	35.3	35.2	35.2	35.3	35.2	35.2	35.1	35.1
1971	35.1	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.2	35.1	35.3
1972	35.1	35.2	35.1	35.2	35.1	35.2	35.1	35.0	35.1	35.0	35.0	35.0
1973	35.0	35.0	35.0	34.8	34.8	34.8	34.7	34.5	34.7	34.5	34.6	34.4
1974	34.4	34.4	34.3	34.5	34.3	34.2	34.2	34.1	34.1	33.9	33.9	33.9
1975	33.8	33.8	33.7	33.8	33.8	33.8	33.7	33.8	33.7	33.9	33.8	33.9
1976	34.0	33.8	33.7	34.0	33.7	33.6	33.7	33.6				
WHOLESALE TRADE												
1971	39.8	39.6	39.7	39.6	39.7	39.9	39.7	39.7	39.7	39.8	39.8	39.9
1972	39.8	40.0	39.9	39.9	39.9	39.9	39.9	39.7	39.9	39.8	39.8	39.8
1973	39.7	39.8	39.8	39.6	39.6	39.5	39.5	39.5	39.5	39.3	39.4	39.2
1974	39.1	39.0	39.0	39.0	39.0	39.0	39.0	38.8	38.9	38.7	38.6	38.6
1975	38.7	38.6	38.6	38.6	38.6	38.5	38.5	38.6	38.5	38.8	38.7	38.8
1976	38.9	38.8	38.7	38.9	38.8	38.8	39.1	38.9				
RETAIL TRADE												
1971	33.6	33.6	33.6	33.7	33.7	33.6	33.7	33.7	33.7	33.8	32.7	33.9
1972	33.7	33.7	33.7	33.8	33.6	33.8	33.7	33.6	33.6	33.6	33.5	33.6
1973	33.6	33.6	33.5	33.4	33.3	33.4	33.3	33.0	33.2	33.0	33.1	32.9
1974	32.9	33.0	32.9	33.1	32.8	32.7	32.7	32.7	32.6	32.4	32.4	32.5
1975	32.3	32.3	32.5	32.3	32.4	32.4	32.3	32.4	32.3	32.4	32.4	32.4
1976	32.5	32.3	32.2	32.5	32.2	32.0	32.1	32.0				
FINANCE, INSURANCE, AND REAL ESTATE												
1971	36.7	36.8	36.9	36.9	37.0	37.0	37.0	37.1	36.9	37.0	36.9	36.9
1972	37.2	37.0	37.0	37.2	37.0	37.1	37.1	37.0	37.0	37.2	36.9	37.0
1973	36.9	37.0	36.9	37.0	36.8	36.9	37.0	36.8	37.0	36.8	36.7	36.9
1974	36.7	36.6	36.7	36.6	36.6	36.7	36.6	36.7	36.8	36.6	36.8	36.8
1975	36.9	36.7	36.6	36.2	36.4	36.5	36.3	36.3	36.3	36.4	36.7	36.4
1976	36.5	36.6	36.5	36.6	36.8	36.6	36.6	36.8				
SERVICES												
1971	34.3	34.2	34.2	34.2	34.2	34.1	34.2	34.1	34.1	34.2	34.1	34.2
1972	34.2	34.2	34.1	34.2	34.1	34.1	34.2	34.1	34.2	34.2	34.0	34.0
1973	34.0	34.0	34.1	34.1	34.0	34.1	34.1	34.1	34.0	33.9	33.9	33.9
1974	33.8	33.9	33.9	33.9	33.8	34.0	33.9	33.9	34.0	33.8	33.7	33.8
1975	33.9	33.9	33.8	33.7	33.8	33.9	33.7	33.8	33.7	33.7	33.8	33.7
1976	33.7	33.7	33.5	33.5	33.6	33.4	33.4	33.5				

¹ SEE FOOTNOTE 1, TABLE B.

ESTABLISHMENT DATA

D. AVERAGE WEEKLY OVERTIME HOURS OF PRODUCTION WORKERS ON MANUFACTURING PAYROLLS, SEASONALLY ADJUSTED, 1956 TO DATE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
MANUFACTURING												
1956	3.1	2.9	2.7	2.8	2.7	2.6	2.6	2.5	2.7	2.8	2.7	2.9
1957	2.8	2.6	2.6	2.5	2.3	2.4	2.4	2.2	2.2	2.1	2.1	1.9
1958	1.8	1.8	1.7	1.7	1.8	1.9	1.9	2.1	2.2	2.2	2.4	2.6
1959	2.5	2.6	2.8	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.4	2.6
1960	3.0	2.8	2.7	2.4	2.5	2.4	2.4	2.3	2.3	2.4	2.1	2.0
1961	2.1	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.8
1962	2.8	2.7	2.8	2.8	2.9	2.9	2.8	2.6	2.8	2.7	2.7	2.8
1963	2.7	2.8	2.8	2.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0
1964	2.9	2.9	2.9	3.1	3.1	3.1	3.1	3.3	3.2	3.1	3.1	3.4
1965	3.5	3.6	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.7	3.8	3.8
1966	3.9	4.1	4.1	4.1	4.1	3.9	4.0	3.9	3.9	3.9	3.8	3.6
1967	3.6	3.4	3.3	3.3	3.3	3.2	3.3	3.4	3.5	3.4	3.3	3.4
1968	3.4	3.5	3.5	3.1	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7
1969	3.7	3.6	3.6	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5
1970	3.4	3.2	3.2	3.0	3.0	3.1	3.0	2.9	2.7	2.8	2.7	2.7
1971	2.8	2.8	2.8	2.8	2.9	3.0	2.9	2.9	2.8	2.9	2.9	3.0
1972	3.0	3.2	3.3	3.6	3.4	3.4	3.4	3.5	3.5	3.6	3.7	3.7
1973	3.8	4.0	3.9	4.2	3.9	3.8	3.8	3.6	3.8	3.7	3.9	3.7
1974	3.6	3.4	3.5	2.9	3.4	3.4	3.4	3.3	3.2	3.1	2.8	2.7
1975	2.4	2.4	2.3	2.4	2.3	2.5	2.6	2.7	2.8	2.8	2.9	3.0
1976	3.1	3.1	3.1	2.6	3.3	3.2	3.1	3.0				
DURABLE GOODS												
1971	2.7	2.8	2.8	2.8	2.9	2.9	2.8	2.8	2.7	2.8	2.9	3.0
1972	3.0	3.2	3.3	3.7	3.5	3.5	3.5	3.6	3.7	3.8	3.9	4.0
1973	4.2	4.4	4.1	4.6	4.2	4.1	4.0	3.8	4.0	3.9	4.1	3.9
1974	3.8	3.6	3.7	2.9	3.6	3.5	3.5	3.5	3.4	3.3	3.0	2.8
1975	2.5	2.5	2.3	2.4	2.2	2.4	2.5	2.6	2.7	2.7	2.7	2.9
1976	2.9	3.0	3.1	2.5	3.4	3.4	3.3	3.1				
NONDURABLE GOODS												
1971	2.9	2.9	2.8	2.9	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0
1972	3.1	3.2	3.3	3.4	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4
1973	3.3	3.4	3.5	3.6	3.4	3.3	3.4	3.3	3.4	3.3	3.5	3.4
1974	3.4	3.2	3.3	2.8	3.2	3.2	3.2	3.1	2.9	2.8	2.6	2.5
1975	2.3	2.2	2.2	2.4	2.4	2.6	2.7	2.9	3.0	3.0	3.1	3.2
1976	3.3	3.2	3.2	2.8	3.1	2.9	2.9	2.8				

E. AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE, IN DOLLARS

	1971	1972	1973	1974	1975	1976
TOTAL PRIVATE²						
1971	3.34	3.37	3.38	3.40	3.42	3.44
1972	3.58	3.59	3.61	3.63	3.64	3.65
1973	3.80	3.81	3.83	3.87	3.88	3.90
1974	4.06	4.08	4.10	4.12	4.17	4.22
1975	4.41	4.43	4.45	4.47	4.49	4.52
1976	4.72	4.74	4.77	4.79	4.83	4.85
MINING						
1971	3.95	3.99	4.01	4.04	4.06	4.07
1972	4.30	4.31	4.32	4.37	4.36	4.40
1973	4.60	4.57	4.60	4.64	4.66	4.70
1974	4.95	4.99	5.03	5.10	5.16	5.22
1975	5.62	5.71	5.76	5.71	5.82	5.88
1976	6.19	6.25	6.29	6.32	6.36	6.33
CONTRACT CONSTRUCTION						
1971	5.48	5.52	5.54	5.57	5.64	5.67
1972	5.90	5.93	5.95	5.99	6.00	5.98
1973	6.34	6.25	6.26	6.30	6.31	6.36
1974	6.48	6.52	6.55	6.60	6.63	6.71
1975	7.04	6.98	7.18	7.18	7.16	7.32
1976	7.48	7.47	7.57	7.57	7.66	7.68
MANUFACTURING						
1971	3.47	3.51	3.52	3.53	3.55	3.57
1972	3.70	3.72	3.74	3.77	3.78	3.79
1973	3.97	3.98	3.98	4.02	4.03	4.05
1974	4.21	4.23	4.25	4.26	4.34	4.40
1975	4.65	4.68	4.72	4.73	4.75	4.78
1976	5.00	5.04	5.08	5.08	5.13	5.16
TRANSPORTATION AND PUBLIC UTILITIES						
1971	4.05	4.09	4.11	4.12	4.16	4.18
1972	4.46	4.48	4.53	4.58	4.60	4.62
1973	4.86	4.88	4.91	4.98	4.99	5.03
1974	5.24	5.28	5.30	5.32	5.34	5.40
1975	5.66	5.71	5.75	5.77	5.82	5.88
1976	6.23	6.29	6.33	6.38	6.44	6.47

¹ SEE FOOTNOTE 1, TABLE B-1.

² FOR DATA (CURRENT DOLLARS) 1964 THROUGH 1970, SEE TABLE G.

ESTABLISHMENT DATA

1

E. AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE, IN DOLLARS--CONTINUED

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
WHOLESALE AND RETAIL TRADE												
1971	2.79	2.81	2.82	2.83	2.85	2.86	2.87	2.89	2.88	2.90	2.90	2.93
1972	2.96	2.96	2.97	2.98	2.98	3.00	3.01	3.02	3.04	3.06	3.06	3.08
1973	3.09	3.12	3.13	3.16	3.16	3.18	3.20	3.22	3.25	3.26	3.28	3.31
1974	3.32	3.34	3.36	3.38	3.42	3.46	3.48	3.51	3.54	3.56	3.56	3.60
1975	3.63	3.67	3.67	3.69	3.71	3.73	3.76	3.79	3.79	3.82	3.84	3.84
1976	3.87	3.88	3.90	3.92	3.94	3.96	3.99	4.00				
FINANCE, INSURANCE, AND REAL ESTATE												
1971	3.18	3.20	3.23	3.25	3.29	3.27	3.28	3.30	3.29	3.30	3.30	3.32
1972	3.37	3.35	3.37	3.43	3.41	3.40	3.44	3.43	3.45	3.47	3.47	3.49
1973	3.51	3.51	3.52	3.55	3.55	3.55	3.59	3.59	3.63	3.62	3.65	3.68
1974	3.69	3.69	3.71	3.72	3.75	3.81	3.81	3.85	3.91	3.92	3.94	3.98
1975	3.98	4.02	4.08	4.08	4.10	4.16	4.14	4.18	4.16	4.19	4.26	4.23
1976	4.25	4.30	4.30	4.33	4.36	4.34	4.37	4.43				
SERVICES												
1971	2.93	2.95	2.96	2.98	3.00	3.01	3.03	3.05	3.06	3.07	3.09	3.11
1972	3.14	3.15	3.17	3.20	3.20	3.20	3.22	3.24	3.27	3.30	3.31	3.33
1973	3.34	3.34	3.37	3.40	3.41	3.45	3.48	3.48	3.52	3.53	3.55	3.59
1974	3.61	3.63	3.66	3.69	3.74	3.78	3.77	3.80	3.83	3.85	3.88	3.90
1975	3.92	3.97	3.99	3.99	4.01	4.04	4.06	4.09	4.11	4.14	4.20	4.21
1976	4.24	4.26	4.27	4.30	4.34	4.36	4.36	4.39				

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SEE FOOTNOTE 1. TABLE B.

ESTABLISHMENT DATA

**F. INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PATROLS, SEASONALLY ADJUSTED, 1971 TO DATE
1967=100**

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL PRIVATE												
1971	103.4	102.8	103.2	103.4	103.8	103.8	103.3	103.5	103.6	104.2	104.7	105.3
1972	105.9	106.3	106.9	107.6	107.7	108.4	108.1	108.5	108.9	109.7	109.9	110.0
1973	110.6	111.9	112.4	112.7	112.9	113.2	113.2	113.1	113.4	113.5	114.4	114.1
1974	113.5	114.0	113.7	113.1	114.0	113.9	113.7	113.5	113.3	112.7	111.1	109.8
1975	108.7	107.0	106.1	106.1	106.3	106.2	106.5	107.4	107.9	108.3	108.6	109.3
1976	110.1	110.4	110.4	110.8	111.3	110.9	111.1	111.0	-	-	-	-
GOODS-PRODUCING												
1971	95.7	94.1	94.6	94.9	95.7	95.5	95.1	94.6	94.0	95.2	96.4	96.3
1972	97.6	98.0	98.6	99.6	99.7	100.3	99.6	100.4	100.9	102.1	102.5	101.8
1973	102.6	104.7	105.5	106.0	106.1	106.3	106.2	105.7	106.0	106.2	107.6	107.3
1974	106.0	106.4	105.7	103.3	105.4	105.0	104.4	103.8	103.1	102.4	99.1	96.4
1975	94.2	90.6	88.6	89.3	89.7	89.3	89.7	91.2	92.1	92.4	92.8	94.0
1976	95.2	95.2	95.2	94.8	96.3	95.9	95.6	94.8	-	-	-	-
MINING												
1971	101.1	99.7	100.6	100.4	100.3	99.7	95.9	97.9	98.1	81.0	81.9	99.7
1972	101.3	100.2	101.7	100.0	99.5	99.7	99.0	100.4	101.3	101.0	100.8	98.7
1973	99.4	100.0	100.0	100.7	101.6	102.9	104.2	105.6	106.2	105.7	107.8	110.3
1974	109.6	111.7	111.5	112.8	113.7	113.9	114.3	114.7	115.8	117.6	99.0	105.2
1975	117.4	117.2	116.6	114.4	119.8	118.6	119.3	119.4	119.9	122.6	123.3	124.9
1976	125.2	125.0	125.7	125.9	124.7	125.0	127.7	115.6	-	-	-	-
CONTRACT CONSTRUCTION												
1971	109.4	103.3	107.9	109.6	108.8	110.0	110.2	110.1	107.0	112.8	118.5	111.3
1972	116.9	113.2	113.8	113.7	114.0	114.8	113.6	115.5	116.0	117.1	113.7	107.6
1973	113.4	114.5	117.9	118.2	120.2	121.5	122.5	121.0	120.9	119.9	124.4	121.7
1974	118.6	124.9	121.6	118.6	118.8	118.2	115.7	115.2	114.3	114.7	112.9	111.7
1975	110.5	103.7	94.9	93.2	99.3	95.9	97.0	98.1	98.0	97.4	97.9	98.1
1976	99.6	98.5	94.1	99.0	97.8	97.6	97.2	95.9	-	-	-	-
MANUFACTURING												
1971	93.1	92.2	92.1	92.1	93.2	92.8	92.4	91.7	91.6	92.5	93.1	93.6
1972	94.1	95.2	95.8	97.1	97.2	97.8	97.2	97.8	98.2	99.5	100.5	100.9
1973	100.8	103.2	103.6	104.0	103.8	103.7	103.4	103.1	103.3	103.8	104.6	104.7
1974	103.6	103.0	102.8	100.3	102.8	102.4	102.1	101.4	100.7	99.8	96.7	93.4
1975	90.5	87.3	86.6	86.7	86.9	87.1	87.4	89.1	90.1	90.5	90.9	92.2
1976	93.4	93.6	94.3	93.0	95.1	94.6	94.2	93.9	-	-	-	-
DURABLE GOODS												
1971	90.1	89.2	88.9	88.8	90.1	89.8	89.3	88.2	87.8	89.4	89.7	90.5
1972	91.1	92.7	93.4	94.9	95.3	95.8	95.5	96.3	96.9	98.6	100.1	100.7
1973	101.6	104.0	104.2	104.8	104.9	104.8	104.8	104.5	104.9	105.4	106.1	106.3
1974	104.7	103.8	103.8	101.2	104.0	103.9	103.6	102.9	102.4	101.6	98.3	94.7
1975	91.6	87.9	86.9	86.4	85.8	85.4	85.4	86.9	87.7	87.6	88.1	89.6
1976	91.0	91.4	92.4	90.9	94.0	93.8	93.5	93.6	-	-	-	-
ORDNANCE AND ACCESSORIES												
1971	62.3	58.3	57.1	55.8	56.4	54.5	53.4	53.4	52.8	52.2	51.7	51.1
1972	50.6	50.3	50.1	51.4	51.9	52.9	53.9	55.1	52.0	52.8	56.1	56.1
1973	56.1	57.0	56.1	54.5	53.8	52.5	53.3	51.6	51.4	51.3	48.6	50.6
1974	49.6	49.2	49.8	48.3	48.8	47.9	47.5	48.1	49.0	48.3	48.9	48.8
1975	48.8	47.9	47.7	47.9	47.5	46.9	44.7	43.9	43.5	42.8	40.6	42.1
1976	41.5	41.0	41.0	39.9	41.0	40.7	40.0	39.8	-	-	-	-
LUMBER AND WOOD PRODUCTS												
1971	92.9	93.3	93.5	94.9	95.2	96.5	98.2	97.8	98.9	101.6	102.5	102.0
1972	102.9	102.5	103.3	104.6	104.7	105.8	106.2	105.9	106.8	107.0	108.2	104.7
1973	105.0	107.4	109.2	108.8	108.4	108.5	107.3	108.0	108.0	108.0	108.0	109.7
1974	108.5	108.3	108.6	107.6	106.7	104.4	103.2	101.3	98.2	94.3	90.1	87.3
1975	83.4	82.1	82.0	82.7	84.6	85.8	87.0	88.3	89.9	91.5	91.4	93.2
1976	97.0	96.0	95.8	96.0	96.6	96.1	98.6	97.6	-	-	-	-
FURNITURE AND FIXTURES												
1971	96.0	95.8	96.3	96.6	99.1	99.4	101.2	99.1	100.5	102.3	103.6	104.9
1972	106.5	108.1	108.6	110.2	110.2	111.3	112.1	112.4	112.6	113.7	114.8	115.0
1973	112.6	117.7	119.1	118.5	118.2	118.1	116.8	116.2	115.6	115.4	115.7	116.2
1974	115.4	114.3	113.8	111.5	113.2	112.7	111.7	109.2	108.1	104.8	98.6	94.4
1975	87.8	84.7	84.1	86.0	87.7	87.7	89.4	92.6	96.9	97.4	98.9	100.7
1976	101.3	103.1	103.6	102.7	105.1	103.3	102.3	101.2	-	-	-	-
STONE, CLAY, AND GLASS PRODUCTS												
1971	98.9	98.5	99.0	99.7	100.8	101.3	100.9	101.1	101.0	101.5	102.1	101.2
1972	103.8	104.2	104.6	105.5	105.8	106.4	106.4	106.6	106.8	108.1	107.7	106.7
1973	106.5	110.8	111.7	112.6	112.7	112.4	112.8	111.7	112.7	112.7	113.4	114.5
1974	113.3	114.2	113.9	112.1	112.6	111.0	110.9	110.5	108.6	107.0	104.8	101.7
1975	98.2	94.5	91.8	93.2	92.8	92.9	93.1	94.1	95.7	95.4	96.0	96.5
1976	97.7	97.4	96.5	98.6	99.5	99.7	99.2	98.6	-	-	-	-
PRIMARY METAL INDUSTRIES												
1971	92.8	93.4	93.9	94.7	95.6	94.7	91.3	81.5	83.5	85.5	85.3	86.9
1972	87.8	89.5	92.0	92.9	93.9	93.9	93.9	95.6	96.4	98.2	99.6	99.8
1973	100.7	101.9	101.4	102.4	102.4	102.8	103.6	103.5	104.8	106.2	108.4	106.0
1974	104.4	103.1	102.8	102.5	103.2	103.6	103.6	103.4	104.0	103.8	101.5	97.4
1975	94.2	90.5	87.5	85.0	82.8	81.3	80.3	81.6	83.0	81.3	81.7	82.8
1976	83.6	84.8	86.0	86.8	88.3	89.2	90.1	89.8	-	-	-	-

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SEE FOOTNOTE 1, TABLE B.

ESTABLISHMENT DATA

1

F. INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
1967=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
FABRICATED METAL PRODUCTS												
1971	93.9	92.7	91.3	92.5	94.4	53.7	94.4	93.8	92.9	94.2	94.5	95.6
1972	95.7	97.5	98.1	99.3	100.2	100.8	100.7	101.5	101.6	102.9	104.1	105.4
1973	106.4	109.2	109.5	110.2	110.6	110.6	110.7	110.0	109.6	110.5	111.9	111.7
1974	110.5	110.0	109.9	105.4	109.6	109.6	109.5	109.1	107.9	106.2	103.1	99.5
1975	94.6	91.7	90.0	89.8	89.3	88.9	87.3	90.8	91.9	92.5	92.9	94.5
1976	95.3	96.4	97.2	94.9	98.7	98.4	98.0	98.6	-	-	-	-
MACHINERY, EXC. ELECTRICAL												
1971	83.5	82.4	82.0	81.3	81.9	81.5	82.6	82.2	82.7	82.8	82.6	83.5
1972	83.7	85.7	86.0	87.6	89.3	90.5	91.0	91.6	92.5	94.2	95.5	97.3
1973	98.3	100.0	101.1	101.9	103.1	103.6	103.4	104.6	105.7	105.7	106.2	108.6
1974	108.0	107.8	108.9	104.5	108.8	109.6	108.9	110.1	109.9	110.4	108.2	105.9
1975	103.7	100.4	98.3	96.4	93.6	91.7	91.1	91.3	91.8	91.6	91.7	91.8
1976	92.8	93.0	93.3	91.7	94.9	94.5	95.9	95.9	-	-	-	-
ELECTRICAL EQUIPMENT AND SUPPLIES												
1971	88.2	87.1	87.0	87.0	87.9	87.5	87.8	87.9	87.9	88.8	89.4	90.0
1972	90.0	91.8	92.1	93.3	93.6	94.4	94.3	95.4	95.7	98.1	99.4	100.3
1973	101.3	103.8	104.5	104.8	105.6	105.3	105.8	106.0	106.0	106.9	108.0	108.2
1974	107.2	106.9	106.7	103.2	105.5	105.5	104.9	101.1	102.0	100.6	96.9	92.7
1975	89.7	85.4	84.4	83.1	82.4	82.0	81.5	84.2	84.7	85.5	85.8	87.2
1976	88.6	89.3	90.4	89.0	92.2	91.9	90.5	92.2	-	-	-	-
TRANSPORTATION EQUIPMENT												
1971	90.8	89.5	88.7	86.3	89.0	88.8	84.9	87.0	82.6	87.0	87.8	89.0
1972	89.7	91.7	92.6	94.8	93.7	92.5	90.3	90.6	92.3	95.3	97.6	99.7
1973	101.8	104.6	102.8	104.5	102.2	101.9	101.5	99.0	99.6	99.8	99.2	98.1
1974	93.2	89.4	88.4	87.5	92.5	92.3	93.2	93.8	92.5	93.9	89.2	84.1
1975	81.3	75.8	78.2	79.0	80.4	81.4	83.3	84.1	82.7	82.0	83.6	87.4
1976	89.2	89.2	91.8	86.9	92.8	92.6	90.3	90.7	-	-	-	-
INSTRUMENTS AND RELATED PRODUCTS												
1971	90.4	88.7	88.5	87.9	88.9	88.8	89.8	89.4	89.9	90.9	91.1	91.6
1972	92.3	93.1	93.0	94.7	95.4	97.0	96.6	97.8	98.5	99.6	100.6	100.8
1973	102.2	104.0	105.1	104.6	107.1	107.2	107.5	108.1	108.8	109.2	110.5	111.9
1974	111.3	112.7	113.2	110.2	112.7	114.0	113.1	113.4	111.8	110.5	108.5	106.6
1975	104.6	100.7	98.6	98.2	97.1	97.3	98.4	97.6	99.4	100.7	101.3	103.0
1976	104.7	105.2	106.7	105.7	109.6	109.1	110.3	108.1	-	-	-	-
MISCELLANEOUS MANUFACTURING INDUSTRIES												
1971	92.2	89.7	90.8	90.9	92.4	92.0	92.9	93.2	93.6	93.7	94.1	94.3
1972	96.1	98.1	98.1	99.5	98.6	100.1	98.7	100.4	100.7	101.0	102.8	102.0
1973	101.8	104.3	104.3	103.8	102.9	102.6	102.7	101.5	102.3	102.4	104.1	103.5
1974	104.5	104.4	105.0	101.2	104.7	104.4	103.8	102.4	100.5	98.4	94.9	90.8
1975	89.4	87.3	85.6	86.2	86.5	86.8	87.9	89.0	91.1	91.3	91.1	91.2
1976	94.4	94.3	95.4	93.1	95.4	94.7	93.1	91.8	-	-	-	-
NONDURABLE GOODS												
1971	97.4	96.7	96.7	96.9	97.7	97.1	97.0	97.0	97.1	97.2	97.9	98.0
1972	98.3	99.0	99.3	100.3	99.9	100.7	99.7	99.9	100.1	100.7	101.2	101.0
1973	99.8	102.0	102.6	102.8	102.2	102.1	101.3	101.0	101.0	101.4	102.4	102.4
1974	102.0	101.9	101.2	99.0	101.0	100.2	99.8	99.2	98.2	97.1	94.4	91.6
1975	89.0	86.5	86.1	87.2	88.6	89.5	90.3	92.2	93.7	94.6	95.0	95.9
1976	96.8	96.8	97.1	96.0	96.6	95.8	95.2	94.2	-	-	-	-
FOOD AND KINDRED PRODUCTS												
1971	99.8	99.3	98.6	98.4	98.7	98.5	98.8	98.3	98.1	96.2	97.4	97.5
1972	97.4	96.8	98.2	98.8	97.8	100.1	98.6	96.8	96.4	96.9	96.5	96.6
1973	96.4	97.0	96.9	96.8	96.4	96.4	95.8	94.4	95.3	96.6	98.6	99.0
1974	99.2	99.1	98.9	96.6	98.1	97.2	95.7	96.3	96.0	95.8	94.9	94.1
1975	92.5	92.0	92.8	92.7	92.9	93.4	93.7	95.9	96.6	96.0	95.3	95.5
1976	96.7	96.8	96.0	96.1	96.6	96.8	97.0	96.5	-	-	-	-
TOBACCO MANUFACTURES												
1971	91.5	85.9	85.4	86.9	88.5	84.7	80.7	81.2	87.2	77.5	81.6	79.4
1972	79.7	79.9	82.1	82.5	82.9	84.9	83.6	81.4	78.2	77.6	78.8	82.5
1973	79.5	85.8	88.8	89.7	89.9	90.3	84.0	88.1	87.6	89.7	93.9	91.0
1974	92.2	90.8	87.5	89.6	90.4	85.8	86.7	87.1	88.5	86.9	81.8	85.2
1975	86.7	86.4	86.1	83.8	81.0	86.4	81.9	86.0	88.3	87.4	92.2	88.1
1976	89.0	88.1	84.9	85.4	85.4	83.4	82.3	84.0	-	-	-	-
TEXTILE MILL PRODUCTS												
1971	97.5	96.7	96.7	96.7	98.7	97.9	97.9	98.2	98.1	99.6	100.2	100.5
1972	101.6	102.1	102.9	103.8	103.6	103.9	103.5	103.7	104.0	105.1	106.2	106.6
1973	102.2	107.0	107.9	108.5	106.8	106.4	105.9	105.7	105.4	104.9	105.8	105.8
1974	104.8	104.3	103.4	99.6	102.0	101.7	101.0	98.0	96.4	91.9	88.3	82.9
1975	77.8	75.8	77.5	81.5	86.1	87.4	89.4	92.5	95.6	97.3	97.9	98.5
1976	99.1	99.0	99.3	96.1	99.9	98.6	98.0	95.5	-	-	-	-
APPAREL AND OTHER TEXTILE PRODUCTS												
1971	93.5	92.0	93.2	92.8	94.7	93.5	93.7	94.2	93.2	94.8	96.2	95.4
1972	95.8	97.2	96.2	97.2	96.1	96.3	94.5	96.8	97.0	98.0	98.8	97.9
1973	94.9	99.3	100.4	100.4	99.7	99.4	96.1	97.4	97.0	97.3	97.3	97.4
1974	96.1	96.1	94.4	91.7	95.3	91.8	92.9	91.9	90.7	89.9	86.3	82.0
1975	79.8	77.1	76.6	78.8	80.5	82.6	83.8	85.5	87.5	89.2	90.1	91.9
1976	92.7	92.2	92.6	89.3	92.0	91.4	88.9	87.6	-	-	-	-

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SEE FOOTNOTE 1, TABLE B.

ESTABLISHMENT DATA

1

F. INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
1967=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PAPEB AND ALLIED PRODUCTS												
1971	98.0	97.9	97.3	98.2	96.7	96.9	96.4	97.1	98.1	97.8	98.0	98.7
1972	97.8	99.0	99.6	100.8	101.1	101.7	101.5	101.5	101.5	101.7	102.6	102.3
1973	101.3	103.5	103.9	103.5	103.8	103.5	103.0	102.6	103.0	102.9	103.8	103.5
1974	104.5	103.7	103.9	102.0	103.0	102.8	102.6	101.1	100.1	98.0	95.7	93.7
1975	90.8	87.4	85.5	84.9	86.1	86.6	87.8	89.6	90.7	91.6	92.6	94.5
1976	95.2	95.8	96.1	95.9	98.1	97.3	96.9	96.1	-	-	-	-
PRINTING AND PUBLISHING												
1971	98.3	97.7	97.2	96.8	97.4	97.3	96.7	96.0	96.2	96.6	96.5	96.5
1972	96.9	97.5	97.6	99.1	98.3	98.7	98.7	98.7	99.5	99.3	99.8	98.5
1973	99.2	100.0	100.6	100.7	100.1	100.0	99.8	99.4	99.9	99.9	100.2	100.0
1974	100.0	100.5	99.8	98.0	100.1	100.2	100.1	100.4	99.4	98.9	97.3	96.7
1975	96.4	95.0	93.9	92.9	92.2	91.6	91.2	92.0	91.7	91.8	92.2	92.9
1976	93.1	92.6	92.7	92.3	93.6	93.1	93.6	92.9	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS												
1971	98.5	98.5	97.9	98.9	99.0	98.2	97.4	97.1	98.7	97.4	97.6	97.7
1972	98.3	98.5	98.3	98.5	98.7	99.4	98.6	98.8	99.6	100.2	100.6	101.2
1973	100.5	101.2	101.5	101.7	102.2	102.4	103.2	102.7	102.3	103.0	103.2	103.2
1974	103.7	103.9	103.8	103.7	103.9	104.4	104.5	104.9	104.1	103.7	102.0	99.3
1975	96.6	95.0	92.6	92.0	92.9	93.2	93.4	94.5	95.4	96.9	97.2	97.5
1976	98.4	99.4	99.4	100.1	100.0	99.0	99.4	95.8	-	-	-	-
PETROLEUM AND COAL PRODUCTS												
1971	102.1	103.1	101.4	102.0	102.5	102.5	103.2	103.6	102.9	102.0	101.7	103.2
1972	100.8	104.4	103.8	105.4	103.5	103.8	102.8	104.2	104.6	105.5	105.3	105.9
1973	104.8	102.8	103.9	103.3	103.2	104.3	107.1	107.7	107.7	107.2	109.6	109.2
1974	109.8	110.0	109.4	110.0	111.2	110.6	109.8	108.7	109.0	110.4	109.3	108.7
1975	102.6	100.0	104.0	102.3	105.2	105.6	106.6	107.0	108.9	110.0	111.4	111.4
1976	113.6	114.2	113.9	115.6	113.9	111.6	112.2	112.4	-	-	-	-
RUBBER AND PLASTICS PRODUCTS, NEC												
1971	105.5	105.4	107.4	108.2	110.7	110.0	110.7	109.7	111.3	112.7	112.7	114.3
1972	115.5	116.8	118.0	120.7	121.7	123.0	121.6	122.5	122.9	125.5	128.1	128.9
1973	130.2	132.3	133.7	135.7	133.6	133.9	134.7	133.0	131.7	132.8	134.6	135.3
1974	133.8	132.9	132.0	128.2	132.7	134.0	133.2	133.5	131.3	131.7	123.1	117.1
1975	113.0	103.2	100.3	104.1	106.1	105.8	107.6	110.1	112.3	113.5	113.3	115.9
1976	117.7	117.9	121.7	121.3	108.8	107.0	106.2	105.2	-	-	-	-
LEATHER AND LEATHER PRODUCTS												
1971	84.5	82.7	83.0	84.6	83.7	82.9	83.5	83.1	81.8	83.3	84.6	84.6
1972	85.7	86.8	85.7	86.7	87.0	86.7	86.1	87.0	85.8	84.1	83.2	80.4
1973	82.1	81.9	81.9	82.7	82.1	81.8	80.6	81.3	80.7	80.6	80.8	80.2
1974	79.0	79.1	79.7	77.9	78.2	77.7	76.6	76.2	74.2	73.0	72.6	70.5
1975	67.8	64.3	62.7	65.9	67.4	69.7	71.4	72.5	74.5	76.7	77.1	78.3
1976	79.7	79.2	79.3	78.4	79.8	76.0	74.7	72.5	-	-	-	-
SERVICE-PRODUCING												
1971	108.7	108.9	109.1	109.3	109.5	109.6	108.9	109.7	110.3	110.4	110.4	111.5
1972	111.7	112.0	112.6	113.1	113.3	114.0	114.0	114.1	114.5	114.9	115.0	115.7
1973	116.1	116.8	117.2	117.4	117.5	118.0	118.1	118.1	118.6	118.5	119.1	118.7
1974	118.7	119.2	119.2	119.9	119.9	120.0	120.2	120.4	119.9	119.9	119.3	119.1
1975	118.8	118.3	118.2	117.7	117.9	118.0	118.1	118.7	118.9	119.3	119.6	119.9
1976	120.5	120.9	121.0	121.9	121.6	121.2	121.8	122.2	-	-	-	-
TRANSPORTATION AND PUBLIC UTILITIES												
1971	102.8	105.1	104.6	104.5	103.0	104.5	97.3	102.7	103.8	102.0	102.6	104.0
1972	103.4	103.7	105.3	104.7	105.4	105.6	105.0	105.7	105.5	106.1	107.0	107.5
1973	107.4	107.2	107.6	107.9	108.8	108.7	108.7	109.1	108.7	109.5	109.3	108.8
1974	109.6	109.3	108.7	109.8	110.0	108.6	109.4	108.7	108.0	107.7	106.7	106.0
1975	105.0	103.2	102.1	102.0	100.8	100.8	100.7	100.5	101.1	101.1	101.3	101.9
1976	101.3	102.3	102.5	102.4	101.9	101.6	102.1	102.5	-	-	-	-
WHOLESALE AND RETAIL TRADE												
1971	106.8	106.8	107.0	107.4	107.8	107.6	108.1	108.4	108.8	109.2	108.9	110.3
1972	110.4	110.9	111.5	112.0	112.0	112.8	112.6	112.7	113.2	113.5	113.7	114.4
1973	115.1	116.0	116.2	116.0	116.1	116.4	116.2	115.7	116.4	116.1	117.0	115.9
1974	116.0	116.3	116.2	117.1	116.7	116.6	116.9	116.7	116.8	116.1	115.3	114.7
1975	114.0	113.6	114.0	113.5	113.8	113.9	114.1	114.6	114.6	115.3	115.0	115.5
1976	116.6	116.8	117.0	118.4	117.5	117.0	117.8	117.6	-	-	-	-
WHOLESALE TRADE												
1971	105.8	105.2	105.6	105.3	105.8	105.6	105.3	105.6	106.0	106.4	106.7	107.3
1972	107.3	108.3	108.8	109.1	109.6	110.1	110.1	110.0	110.8	110.7	110.9	111.4
1973	111.8	112.6	113.0	112.7	112.7	113.1	113.1	113.5	113.7	113.7	114.8	114.0
1974	114.4	114.3	114.4	114.5	114.8	115.0	115.0	114.5	114.8	114.3	114.0	113.5
1975	112.9	112.0	111.6	111.5	111.4	110.6	110.8	111.1	111.3	112.0	111.6	112.4
1976	113.2	113.4	113.2	114.3	114.3	114.1	115.3	114.7	-	-	-	-
RETAIL TRADE												
1971	107.3	107.4	107.5	108.2	108.5	108.3	109.1	109.4	109.8	110.2	109.8	111.4
1972	111.5	111.9	112.5	113.1	112.9	113.9	113.6	113.7	114.2	114.5	114.7	115.6
1973	116.3	117.2	117.4	117.2	117.3	117.7	117.3	116.5	117.5	116.9	117.8	116.6
1974	116.6	117.0	116.8	118.1	117.4	117.2	117.6	117.5	117.5	116.8	115.9	115.2
1975	114.4	114.2	114.9	114.2	114.7	115.0	115.3	115.9	115.9	116.5	116.2	116.6
1976	117.9	118.0	118.4	120.0	118.8	118.1	118.8	118.7	-	-	-	-

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SEE FOOTNOTE 1, TABLE B.

ESTABLISHMENT DATA

1

F. INDEXES OF AGGREGATE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS ON PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1971 TO DATE--CONTINUED
1967=100

YEAR	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
FINANCE, INSURANCE, AND REAL ESTATE												
1971	113.9	114.3	114.8	115.3	116.1	116.7	116.9	117.2	117.0	117.6	117.7	117.9
1972	119.3	118.9	119.2	120.0	119.9	120.8	120.7	120.9	121.0	121.9	121.3	121.9
1973	121.7	122.7	122.6	123.2	122.9	123.3	124.2	123.8	124.6	124.3	124.3	125.0
1974	124.3	124.6	125.1	124.8	125.1	125.3	124.8	125.2	125.6	125.0	125.1	125.1
1975	125.2	124.2	123.6	122.1	123.0	123.2	122.5	122.9	123.3	123.7	125.1	124.5
1976	125.1	125.4	125.5	126.1	126.3	126.3	126.6	127.3	-	-	-	-
SERVICES												
1971	112.4	112.0	112.3	112.4	112.7	112.5	113.1	112.7	113.5	113.9	113.9	114.7
1972	115.1	115.4	115.6	116.5	116.8	117.4	118.2	118.1	118.5	119.0	118.7	119.3
1973	120.0	120.6	121.4	122.0	121.9	122.9	123.2	124.0	124.2	124.3	125.1	125.2
1974	124.9	126.1	126.5	126.8	127.2	128.4	128.4	128.6	129.5	129.1	128.9	129.3
1975	129.9	129.9	129.6	129.3	129.9	130.0	130.4	131.3	131.5	131.9	132.7	132.8
1976	133.3	133.9	133.7	134.3	134.9	134.6	135.0	136.2	-	-	-	-

1
SEE FOOTNOTE 1, TABLE B.

G. EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS¹ ON TOTAL PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1964 TO DATE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
GROSS AVERAGE HOURLY EARNINGS - CURRENT DOLLARS												
1964	2.32	2.33	2.33	2.34	2.35	2.35	2.36	2.37	2.38	2.37	2.39	2.40
1965	2.40	2.42	2.43	2.43	2.45	2.45	2.45	2.46	2.47	2.49	2.50	2.50
1966	2.51	2.52	2.53	2.54	2.55	2.56	2.57	2.57	2.59	2.60	2.61	2.61
1967	2.62	2.63	2.64	2.65	2.65	2.67	2.69	2.70	2.70	2.71	2.73	2.74
1968	2.76	2.77	2.79	2.81	2.82	2.84	2.85	2.86	2.89	2.90	2.92	2.94
1969	2.95	2.97	2.98	2.99	3.02	3.04	3.05	3.07	3.09	3.10	3.12	3.13
1970	3.13	3.15	3.17	3.18	3.19	3.21	3.23	3.26	3.26	3.27	3.29	3.31
1971	3.34	3.37	3.38	3.40	3.42	3.44	3.45	3.47	3.47	3.49	3.50	3.54
1972	3.58	3.59	3.61	3.63	3.64	3.65	3.66	3.68	3.70	3.74	3.75	3.77
1973	3.80	3.81	3.83	3.87	3.88	3.90	3.93	3.95	3.98	3.99	4.02	4.04
1974	4.06	4.08	4.10	4.12	4.17	4.22	4.24	4.27	4.31	4.34	4.36	4.39
1975	4.41	4.43	4.45	4.47	4.49	4.52	4.55	4.58	4.60	4.63	4.67	4.68
1976	4.72	4.74	4.77	4.79	4.83	4.85	4.88	4.90	-	-	-	-
GROSS AVERAGE HOURLY EARNINGS - 1967 DOLLARS												
1964	2.50	2.52	2.51	2.52	2.53	2.53	2.54	2.55	2.56	2.54	2.56	2.56
1965	2.56	2.58	2.59	2.58	2.60	2.59	2.59	2.60	2.61	2.63	2.63	2.62
1966	2.63	2.62	2.63	2.63	2.63	2.64	2.64	2.63	2.64	2.64	2.65	2.65
1967	2.65	2.66	2.67	2.67	2.67	2.68	2.69	2.69	2.68	2.68	2.69	2.69
1968	2.70	2.71	2.71	2.73	2.73	2.73	2.73	2.73	2.75	2.74	2.75	2.76
1969	2.76	2.77	2.76	2.75	2.77	2.77	2.77	2.78	2.78	2.78	2.78	2.77
1970	2.76	2.76	2.77	2.76	2.75	2.76	2.77	2.79	2.78	2.77	2.77	2.78
1971	2.80	2.82	2.82	2.83	2.83	2.83	2.83	2.84	2.84	2.85	2.85	2.88
1972	2.90	2.90	2.91	2.92	2.92	2.92	2.92	2.93	2.93	2.96	2.96	2.96
1973	2.97	2.96	2.95	2.95	2.95	2.95	2.96	2.93	2.94	2.93	2.92	2.92
1974	2.90	2.88	2.87	2.86	2.86	2.87	2.87	2.85	2.84	2.84	2.83	2.83
1975	2.82	2.82	2.82	2.82	2.82	2.81	2.81	2.81	2.81	2.81	2.82	2.81
1976	2.82	2.83	2.85	2.85	2.85	2.85	2.86	2.85	-	-	-	-
GROSS AVERAGE WEEKLY EARNINGS - CURRENT DOLLARS												
1964	89.09	90.17	90.17	90.79	90.95	90.95	91.33	91.72	91.39	91.72	92.49	93.12
1965	93.12	93.90	94.53	94.04	95.06	94.82	94.82	95.20	95.10	96.36	96.75	97.00
1966	97.14	97.78	98.16	98.30	98.43	98.82	99.20	99.20	99.72	100.10	100.22	99.96
1967	100.61	100.20	100.32	100.44	100.70	101.19	101.95	102.60	102.60	102.71	103.74	103.85
1968	104.05	104.98	105.46	105.66	106.88	107.64	107.73	108.11	109.53	109.62	109.79	110.54
1969	111.51	111.67	112.64	112.72	113.85	114.30	114.68	115.74	116.49	116.25	117.00	117.38
1970	117.38	117.81	118.24	118.30	118.67	119.09	120.16	120.95	119.97	120.66	121.40	122.14
1971	123.58	124.35	125.06	125.46	126.54	127.28	126.96	128.04	127.35	129.13	129.85	131.33
1972	132.82	133.19	133.93	135.04	135.04	135.78	135.79	136.53	137.64	139.13	139.13	139.49
1973	140.60	141.35	142.48	143.96	143.95	144.69	145.80	145.76	147.26	147.23	148.74	149.08
1974	149.00	150.14	150.47	150.38	153.04	154.87	155.61	156.28	157.75	158.41	157.83	158.92
1975	159.64	159.48	159.76	160.47	161.64	162.72	163.80	165.34	166.06	167.61	169.52	170.35
1976	171.81	172.54	172.67	172.92	175.33	175.57	176.66	176.89	-	-	-	-
GROSS AVERAGE WEEKLY EARNINGS - 1967 DOLLARS												
1964	96.11	97.39	97.29	97.90	98.00	97.90	98.27	98.68	98.15	98.38	98.97	99.49
1965	99.39	100.21	100.81	100.00	100.82	100.15	100.18	100.70	100.39	101.62	101.77	101.67
1966	101.70	101.71	101.86	101.63	101.58	101.83	102.03	101.41	101.69	101.68	101.77	101.39
1967	101.93	101.32	101.44	101.35	101.41	101.50	101.95	102.19	101.89	101.69	102.31	102.11
1968	101.91	102.52	102.59	102.58	103.36	103.60	103.19	103.16	104.22	103.71	103.38	103.80
1969	104.41	104.07	104.30	103.80	104.45	104.29	104.16	104.65	104.85	104.17	104.28	103.96
1970	103.41	103.25	103.18	102.69	102.48	102.58	103.14	103.46	102.19	102.26	102.36	102.55
1971	103.50	104.06	104.39	104.38	104.75	104.84	104.32	104.95	104.30	105.58	105.91	106.69
1972	107.63	107.50	107.92	108.64	108.30	108.71	108.28	108.61	109.15	109.98	109.63	109.58
1973	109.93	109.83	109.77	110.06	109.38	109.37	109.96	108.05	108.76	107.94	108.17	107.64
1974	106.35	105.96	105.15	104.43	105.11	105.50	105.21	104.33	104.12	103.67	102.36	102.26
1975	102.01	101.39	101.17	101.12	101.34	101.32	100.99	101.56	101.57	101.89	102.43	102.37
1976	102.82	103.13	103.03	102.74	103.56	103.22	103.37	102.96	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

ESTABLISHMENT DATA

G. EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS¹ ON TOTAL PRIVATE NONAGRICULTURAL PAYROLLS, SEASONALLY ADJUSTED, 1964 TO DATE--CONTINUED

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
SPENDABLE AVERAGE WEEKLY EARNINGS² - CURRENT DOLLARS												
1964	80.78	81.64	81.64	82.14	82.27	82.27	82.57	82.88	82.62	82.88	83.50	84.03
1965	84.65	85.32	85.85	85.43	86.30	86.10	86.10	86.42	86.34	87.39	87.72	87.93
1966	87.32	87.83	88.13	88.24	88.35	88.66	88.96	88.96	89.38	89.68	89.78	89.57
1967	89.89	89.56	89.65	89.75	89.96	90.35	90.95	91.47	91.47	91.56	92.38	92.46
1968	92.62	93.36	93.75	93.61	94.53	95.13	95.20	95.49	96.57	96.64	96.77	97.34
1969	97.64	97.76	98.50	98.56	99.42	99.76	100.05	100.85	101.43	101.25	101.82	102.11
1970	102.98	103.30	103.64	103.69	103.98	104.32	105.16	105.79	105.01	105.56	106.14	106.73
1971	109.49	110.10	110.66	110.97	111.82	112.41	112.15	113.01	112.46	113.86	114.44	115.59
1972	118.46	118.75	119.34	120.21	120.21	120.79	120.80	121.39	122.26	123.43	123.43	123.72
1973	123.68	124.26	125.13	126.28	126.27	126.84	127.69	127.66	128.82	128.80	129.96	130.23
1974	130.16	131.04	131.30	131.23	133.28	134.69	135.26	135.78	136.91	137.42	136.98	137.82
1975	138.38	138.25	138.47	139.00	146.35	147.20	148.04	149.24	149.81	151.02	152.48	153.12
1976	153.07	153.63	153.73	153.93	155.78	155.96	156.78	156.95				
SPENDABLE AVERAGE WEEKLY EARNINGS² - 1967 DOLLARS												
1964	87.15	88.18	88.09	88.57	88.65	88.55	88.84	89.17	88.73	88.90	89.17	89.77
1965	90.35	91.05	91.55	90.85	91.53	90.94	90.97	91.41	91.14	92.16	92.27	92.16
1966	91.42	91.36	91.45	91.24	91.17	91.36	91.50	90.94	91.14	91.09	91.16	90.85
1967	91.07	90.56	90.65	90.57	90.59	90.62	90.95	91.11	90.83	90.65	91.10	90.92
1968	90.72	91.18	91.19	90.89	91.44	91.56	91.18	91.11	91.88	91.43	91.12	91.40
1969	91.42	91.11	91.20	90.75	91.21	91.02	90.87	91.19	91.30	90.72	90.75	90.45
1970	90.73	90.54	90.44	90.01	89.79	89.85	90.27	90.49	89.45	89.46	89.50	89.61
1971	91.70	92.13	92.37	92.32	92.57	92.59	92.16	92.63	92.11	93.10	93.35	93.90
1972	96.00	95.85	96.16	96.71	96.40	96.71	96.33	96.57	96.96	97.58	97.27	97.19
1973	96.70	96.55	96.40	96.54	95.95	95.87	96.30	94.64	95.14	94.43	94.52	94.03
1974	92.91	92.48	91.75	91.13	91.54	91.75	91.46	96.64	90.37	89.94	88.83	88.69
1975	88.42	87.89	87.69	87.59	91.76	91.65	91.27	91.67	91.62	91.80	92.13	92.02
1976	91.60	91.83	91.73	91.46	92.01	91.69	91.74	91.36				

¹ SEE FOOTNOTE 1, TABLE B.

² CALCULATED FOR WORKERS WITH 3 DEPENDENTS WHO EARNED THE AVERAGE WEEKLY EARNINGS.

H. LABOR TURNOVER RATES IN MANUFACTURING, SEASONALLY ADJUSTED, 1930 TO DATE

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL ACCESSIONS												
1951	6.4	6.2	6.0	5.8	5.5	5.1	5.0	4.7	4.6	4.8	5.2	5.2
1952	5.4	5.2	5.0	4.8	4.9	5.0	5.2	6.3	5.7	5.8	5.5	5.8
1953	5.7	5.8	5.7	5.6	5.2	5.0	4.8	4.6	4.1	3.7	5.4	3.5
1954	3.5	3.3	3.5	3.2	3.3	3.7	3.7	3.4	3.6	4.1	4.3	4.2
1955	4.1	4.3	4.6	4.7	4.5	4.3	4.2	4.5	4.5	4.5	4.5	4.5
1956	4.2	4.2	4.1	4.3	4.1	4.1	3.9	3.9	4.3	4.6	4.2	4.2
1957	4.1	3.9	3.8	3.6	3.6	3.8	3.8	3.3	3.2	3.3	3.1	2.8
1958	3.1	3.0	3.1	3.2	3.6	3.8	3.9	4.1	3.9	3.9	3.9	4.0
1959	4.2	4.4	4.6	4.4	4.3	4.1	4.0	4.1	4.0	3.8	4.1	5.4
1960	4.4	4.0	3.7	3.7	3.7	3.8	3.6	3.8	3.8	3.5	3.6	3.6
1961	3.7	3.7	4.3	4.2	4.2	4.1	4.1	4.1	3.8	4.2	4.2	4.2
1962	4.3	4.3	4.2	4.1	4.2	4.1	4.2	4.0	4.0	3.8	3.8	3.8
1963	3.8	3.9	3.9	3.9	3.8	3.9	3.9	3.8	3.9	3.9	3.7	3.8
1964	3.8	3.9	3.9	4.0	4.0	3.9	4.1	4.1	3.9	4.1	3.9	4.0
1965	4.1	4.2	4.3	4.1	4.1	4.2	4.2	4.3	4.5	4.4	4.7	4.9
1966	4.9	5.0	5.3	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7	4.7
1967	4.5	4.4	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.6
1968	4.4	4.4	4.6	4.6	4.6	4.5	4.5	4.7	4.6	4.8	4.9	4.9
1969	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972	4.3	4.3	4.4	4.3	4.4	4.2	4.3	4.4	4.4	4.5	4.5	4.9
1973	5.0	5.1	5.0	4.8	4.7	4.6	4.6	4.7	4.6	4.8	4.9	4.7
1974	4.6	4.5	4.5	4.6	4.6	4.3	4.3	4.1	3.9	3.6	3.1	3.1
1975	3.1	3.2	3.2	3.7	3.6	3.7	4.0	3.9	3.8	3.7	3.7	3.9
1976	4.1	4.2	4.4	4.1	4.0	3.8	3.8	3.8				
NEW HIRES												
1971	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972	3.0	3.0	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.6	3.8
1973	4.0	4.2	4.1	3.9	3.9	3.8	3.7	3.7	3.6	3.8	3.9	3.8
1974	3.7	3.6	3.6	3.6	3.5	3.3	3.3	3.1	2.9	2.6	2.2	1.9
1975	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.2	2.2	2.2	2.5
1976	2.6	2.8	3.0	2.8	2.7	2.7	2.5	2.5				

ESTABLISHMENT DATA

H. LABOR TURNOVER RATES IN MANUFACTURING, SEASONALLY ADJUSTED, 1930 TO DATE--CONTINUED

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL SEPARATIONS												
1930	7.1	6.8	6.6	6.1	5.9	5.5	6.1	7.4	5.0	5.2	5.1	4.6
1931	4.1	4.1	3.9	4.1	4.3	5.2	4.9	4.7	5.7	7.0	4.7	4.2
1932	4.8	5.0	5.9	7.4	5.7	5.7	5.5	4.8	4.7	4.1	3.9	4.9
1933	5.1	6.9	6.1	3.6	2.6	2.6	4.1	4.0	4.5	5.4	5.5	5.4
1934	4.6	4.5	4.3	4.1	5.4	4.9	4.7	5.5	5.9	6.1	5.0	3.9
1935	3.8	4.0	4.5	4.7	4.8	5.0	4.5	4.5	3.8	3.7	4.0	4.1
1936	4.3	4.4	3.8	4.0	3.8	3.7	3.8	5.7	3.8	3.8	3.7	3.9
1937	4.0	3.9	3.9	3.6	3.8	4.6	4.3	5.0	5.6	6.5	7.3	7.3
1938	6.6	6.2	5.7	5.6	5.0	5.2	4.5	4.0	4.7	4.0	3.7	3.8
1939	3.6	3.6	3.9	4.1	3.9	4.0	3.8	3.8	3.5	3.5	3.7	3.6
1940	3.8	4.7	4.5	4.1	4.2	4.1	4.0	3.7	3.9	3.7	3.8	3.9
1941	4.0	4.0	4.2	4.4	4.5	4.6	5.0	4.9	5.0	4.7	4.5	5.8
1942	6.2	6.3	6.5	6.9	7.9	7.7	7.8	7.7	8.2	9.0	9.4	8.7
1943	9.0	9.3	9.1	8.5	8.1	8.3	8.8	8.9	7.9	8.1	8.3	8.8
1944	8.5	8.5	8.6	8.2	8.4	8.2	7.7	7.9	7.5	7.5	7.6	8.0
1945	7.8	7.9	8.3	8.0	8.4	9.1	9.0	18.3	11.0	9.6	9.1	8.3
1946	8.5	8.5	8.1	7.6	7.4	6.9	6.8	6.7	6.6	6.9	6.3	6.5
1947	6.2	6.1	6.0	6.1	6.3	5.7	5.5	5.4	5.4	5.4	5.3	5.3
1948	5.5	6.2	5.6	5.5	5.1	5.5	5.4	5.5	5.0	5.0	5.2	5.6
1949	5.6	5.5	5.8	5.5	5.8	5.2	4.9	4.7	4.5	4.6	4.7	4.0
1950	3.7	3.9	3.5	3.3	3.6	3.7	3.6	4.2	4.6	4.7	4.9	5.2
1951	5.1	5.2	5.2	5.5	5.6	5.3	5.6	5.6	5.0	5.2	5.2	4.7
1952	4.9	5.1	4.7	4.9	4.6	4.9	6.2	4.8	4.4	4.5	4.6	4.9
1953	4.8	5.1	5.3	5.0	5.3	5.2	5.0	4.9	5.1	5.1	5.1	4.7
1954	5.0	4.7	4.7	4.5	4.1	3.9	3.7	3.9	4.0	3.7	3.7	3.7
1955	3.5	3.3	3.7	3.7	3.9	4.1	4.3	4.2	4.0	4.0	3.9	4.1
1956	4.4	4.6	4.3	4.1	4.6	4.3	4.8	3.9	4.3	4.0	3.9	3.9
1957	4.0	4.1	4.1	3.9	4.1	3.9	3.9	4.2	4.4	4.5	4.6	4.6
1958	4.9	4.7	4.9	4.6	4.3	3.9	3.9	3.9	3.8	3.6	3.6	3.7
1959	3.7	3.7	3.7	3.7	3.9	3.9	3.9	4.2	4.2	4.9	4.6	4.1
1960	3.6	4.1	4.5	4.4	4.5	4.5	4.4	4.4	4.2	4.4	4.3	4.4
1961	4.5	4.7	4.1	3.8	3.9	4.0	4.0	3.7	4.1	4.0	4.0	4.0
1962	3.9	4.2	4.0	3.9	4.2	4.2	4.2	4.4	4.1	4.2	3.9	3.8
1963	4.0	3.9	3.9	4.0	3.9	3.8	3.8	4.1	3.9	3.9	3.9	3.7
1964	3.8	3.9	4.0	3.8	3.9	3.8	4.0	3.7	3.9	4.0	3.7	3.9
1965	3.8	3.8	3.8	4.0	4.0	4.0	3.9	4.4	4.1	4.3	4.3	4.5
1966	4.3	4.3	4.5	4.5	4.6	4.7	4.9	4.8	4.6	4.6	4.8	4.9
1967	4.8	4.9	4.9	4.7	4.6	4.6	4.5	4.3	4.5	4.5	4.4	4.5
1968	4.7	4.6	4.5	4.5	4.4	4.5	4.6	4.7	4.7	4.6	4.6	4.6
1969	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972	4.2	4.1	4.0	4.3	4.2	4.5	4.4	4.1	4.0	4.2	4.2	4.5
1973	4.5	4.6	4.6	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.7	4.7
1974	4.9	4.9	4.8	4.7	4.4	4.6	4.5	4.5	4.5	4.9	5.1	4.9
1975	5.2	5.0	4.5	4.4	4.6	4.3	3.9	3.8	3.9	3.8	3.8	3.6
1976	3.5	3.6	3.8	3.8	3.8	3.9	3.9	4.0				
QUITS												
1971	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.6
1973	2.7	2.9	2.8	2.8	2.7	2.7	2.8	2.7	2.6	2.8	2.8	2.7
1974	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.8	1.6
1975	1.4	1.3	1.2	1.2	1.3	1.3	1.4	1.4	1.3	1.4	1.6	1.6
1976	1.6	1.7	1.8	1.8	1.7	1.8	1.7	1.7				
LAYOFFS												
1971	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972	1.2	1.2	1.1	1.2	1.1	1.4	1.3	1.1	1.0	1.0	.9	.9
1973	.8	.7	.8	.8	.8	.8	1.1	.9	.9	.9	.9	1.0
1974	1.3	1.2	1.1	1.0	1.1	1.2	1.2	1.3	1.5	2.0	2.4	2.4
1975	2.9	2.9	2.6	2.4	2.5	2.2	1.7	1.6	1.8	1.7	1.5	1.3
1976	1.1	1.0	1.1	1.2	1.3	1.3	1.4	1.4				

Seasonal Factors

The following tables present seasonal adjustment factors for all series in the establishment section of this periodical. These factors were derived using data through August 1976. The factors should be used with current estimates (adjusted to the March 1974 benchmarks) beginning September 1976 for all series shown in the following table except those that relate to labor turnover.

The seasonal movements are measured in order to adjust the data statistically for such recurring events as warm and cold weather, crop-growing cycles, holidays, vacations, regular industry model changeover periods, and the like. These movements are generally the largest single component of month-to-month change in employment, hours, earnings, and labor turnover. The seasonal factors which follow enable the analyst to remove these influences from the data in order to determine more basic trends.

I. Seasonal adjustment factors for employees on nonagricultural payrolls, by industry division and major manufacturing group

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL¹												
MINING	98.6	98.1	98.2	98.9	99.9	101.8	101.7	101.8	100.7	100.5	100.2	99.6
CONTRACT CONSTRUCTION	89.8	89.2	91.8	95.8	99.8	104.4	105.9	108.1	107.0	106.5	103.4	98.4
MANUFACTURING¹												
DURABLE GOODS¹												
Ordnance and accessories	100.5	99.9	99.8	99.3	99.0	99.7	100.3	100.3	100.7	100.4	99.9	100.4
Lumber and wood products	96.3	96.8	97.0	98.0	99.9	103.6	103.1	104.0	102.2	101.6	99.4	98.1
Furniture and fixtures	99.9	99.3	99.1	98.9	99.0	100.2	97.6	101.3	100.8	101.6	101.5	100.6
Stone, clay, and glass products	96.5	96.4	97.6	98.8	100.2	102.0	101.8	102.7	102.1	101.8	100.8	99.1
Primary metal industries	99.8	99.4	99.3	99.8	100.1	101.3	100.2	100.0	100.3	99.9	99.7	100.0
Fabricated metal products	99.3	98.7	98.9	99.3	99.5	100.8	99.1	100.2	101.2	101.4	101.1	100.4
Machinery, except electrical	100.3	100.3	100.3	100.1	99.8	100.6	99.1	99.0	99.8	99.7	100.2	100.7
Electrical equipment and supplies	99.9	99.5	99.0	99.1	99.2	100.3	99.5	99.7	101.0	101.1	101.0	100.7
Transportation equipment	98.8	98.3	98.2	99.6	100.5	101.0	² 100.2	² 99.9	² 100.7	101.6	101.6	100.7
Instruments and related products	99.7	99.5	99.2	99.3	99.8	100.4	99.7	100.5	100.4	100.5	100.7	100.3
Miscellaneous manufacturing industries	95.4	96.3	97.5	98.0	99.3	100.8	98.3	102.9	104.1	104.9	103.6	99.0
NONDURABLE GOODS¹												
Food and kindred products	96.4	95.7	95.8	95.5	96.5	99.4	101.8	107.0	107.4	104.2	101.3	99.1
Tobacco manufactures	100.8	97.4	93.4	90.9	89.2	90.2	91.6	108.6	111.8	111.5	108.6	106.1
Textile mill products	99.8	99.9	99.7	99.7	99.5	100.9	98.1	100.6	100.2	100.4	100.5	100.6
Apparel and other textile products	98.0	99.8	100.3	99.6	99.8	100.8	96.6	100.6	101.4	101.8	101.4	99.7
Paper and allied products	99.4	98.9	99.2	98.9	99.0	101.0	99.8	100.9	100.6	100.7	100.9	100.5
Printing and publishing	99.9	99.9	99.9	99.9	99.7	100.1	99.5	99.7	99.9	100.3	100.4	100.8
Chemicals and allied products	99.3	99.1	99.7	99.4	99.4	100.7	100.5	100.8	100.5	100.5	100.2	99.8
Petroleum and coal products	97.5	97.0	97.4	98.0	99.8	102.0	102.9	102.7	101.6	101.1	100.4	99.5
Rubber and plastics products, nec	99.4	100.0	99.3	98.2	98.4	100.6	98.7	100.8	101.4	101.2	101.5	100.4
Leather and leather products	98.4	99.0	99.3	99.7	100.2	102.6	97.8	102.1	100.1	100.0	100.7	100.1
TRANSPORTATION AND PUBLIC UTILITIES ..	98.9	98.7	99.0	99.2	99.8	101.1	100.7	100.6	100.7	100.7	100.6	100.0
WHOLESALE AND RETAIL TRADE¹												
WHOLESALE TRADE	99.4	99.0	99.0	99.1	99.3	100.6	100.6	100.7	100.4	100.7	100.7	100.5
RETAIL TRADE	98.8	97.3	⁴ 97.5	⁴ 99.0	99.8	100.5	99.9	99.7	100.1	100.5	102.1	104.7
FINANCE, INSURANCE, AND REAL ESTATE ...	99.0	99.1	99.3	99.7	99.9	101.0	101.3	101.3	100.2	99.9	99.7	99.6
SERVICES	98.2	98.8	99.2	100.0	100.6	101.4	101.1	100.8	100.1	100.2	99.9	99.5
Hotels and other lodging places	92.6	94.5	94.6	96.2	99.1	105.7	112.6	114.2	103.9	97.6	94.9	94.1
Personal services	99.1	98.8	99.1	99.6	100.5	101.0	100.1	99.4	99.9	100.8	101.0	100.7
Medical and other health services	99.7	99.8	99.9	99.8	99.9	100.5	100.6	100.3	99.9	100.0	100.0	99.7
Educational services	101.7	105.6	106.5	105.7	104.1	95.3	86.0	84.2	95.6	104.4	106.0	105.0
GOVERNMENT¹												
FEDERAL³	99.1	99.4	99.6	99.9	100.2	101.1	101.9	100.8	99.6	99.3	99.5	99.6
STATE AND LOCAL	100.6	102.1	102.4	102.0	101.8	100.4	94.6	93.7	97.7	101.1	102.0	101.7

¹ Seasonally adjusted data derived by summation of components.

² Factors shown for July, August and September are based on data excluding motor vehicles (SIC 371). Comparable factor for June is 101.0.

³ Based on data which exclude temporary Christmas employees of the Postal Service during December.

⁴ Factors shown are for 1977. Factors for March and April 1976 were 97.5 and 99.0, respectively.

J. Seasonal adjustment factors¹ for labor turnover rates in manufacturing

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
LABOR TURNOVER												
Total accessions²												
New hires	81.7	72.7	85.9	88.7	112.5	134.5	109.0	144.4	132.3	109.2	79.5	51.3
Other accessions	114.8	95.2	110.3	104.5	112.0	107.7	108.9	124.5	97.4	85.4	78.2	60.8
Total separations²												
Quits	77.2	68.7	86.0	90.8	98.0	102.7	105.1	170.7	155.6	107.4	77.9	59.2
Layoffs	135.1	103.1	99.7	87.3	70.9	68.0	113.9	77.2	79.8	89.0	115.8	156.8
Other separations	102.1	90.5	98.9	93.2	101.7	100.4	108.3	117.4	114.6	101.1	86.7	84.8

¹ Factors applicable for the period November 1976 through October 1977 and include the effects of trading day variations.

² Seasonally adjusted data derived by summation of components.

ESTABLISHMENT DATA

M. Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MANUFACTURING ¹												
DURABLE GOODS	91.8	92.6	95.7	92.6	98.3	101.3	96.5	103.1	112.8	105.6	102.6	106.6
NONDURABLE GOODS	92.1	91.8	94.9	89.5	95.6	102.2	101.9	107.5	113.8	106.3	101.3	101.5

¹ See footnote 2, table k.

N. Seasonal adjustment factors for average hourly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL PRIVATE ²												
MINING	101.3	100.6	100.0	100.2	99.9	99.8	99.3	99.2	100.0	99.1	100.0	100.6
CONTRACT CONSTRUCTION	100.3	100.0	99.6	99.1	99.4	98.9	98.9	99.6	101.3	101.1	100.7	100.8
MANUFACTURING	100.5	100.0	99.9	99.9	99.8	99.9	99.8	99.3	100.3	99.9	100.0	100.8
TRANSPORTATION AND PUBLIC UTILITIES	100.0	100.0	99.4	99.5	99.3	99.2	99.7	100.6	101.0	100.7	100.4	100.1
WHOLESALE AND RETAIL TRADE	100.5	100.4	100.2	100.0	100.2	100.0	99.6	99.4	100.3	100.3	99.9	99.1
FINANCE, INSURANCE, AND REAL ESTATE	100.2	100.8	100.3	100.3	100.1	100.1	99.8	99.4	99.9	99.5	99.5	100.1
SERVICES	100.4	100.6	100.2	99.9	100.1	99.6	99.2	98.5	100.6	100.2	100.3	100.5

¹ See footnote 1, table k.

² See footnote 2, table k.

Explanatory Notes

Introduction

Household Data (A tables)

Establishment Data (B, C, and D tables)

State and Area Unemployment Data (E table)

Unemployment Insurance Data (F tables)

Seasonal Adjustment

Introduction

The statistics in this periodical are compiled from three major sources: (1) Household interviews, (2) reports from employers, and (3) administrative statistics of unemployment insurance systems.

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, race, household relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 47,000 households, representing 461 areas in 923 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

Data based on administrative records of unemployment insurance systems furnish a complete count of insured unemployment among the three-fourths of the Nation's labor force covered by unemployment insurance programs. Weekly reports, by State, are issued on the number of initial claims, the volume, and rate of insured unemployment under State unemployment insurance programs, and the volume under programs of unemployment compensation for Federal employees, ex-Armed Forces personnel, and railroad workers. These statistics are published by the Employment and Training Administration, U.S. Department of Labor, in "Unemployment Insurance Claims."

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey

whereas detailed industrial classifications can be reliably 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 nonagricultural establishments.

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

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

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

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by 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, some State and local government, domestic service, self-employment, unpaid family work, and religious organizations).

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

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*. Reprints of this article may be obtained upon request.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than

once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

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

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, churches and most local government activities are not covered by unemployment insurance whereas these are included in BLS establishment statistics.

Household data (A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Manpower Statistics from the Current Population Survey*, BLS Report 313. This report is available from BLS on request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to

obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14 and 15 year olds. The inquiry relates to activity or status during the 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, 47,000 occupied units are eligible for interview. About 2,000 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 47,000 occupied units, there are 8,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next, and one-half to be common with the same month a year earlier.

CONCEPTS

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

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

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

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

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff, (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Re-entrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated pick-up point.

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

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

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

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

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

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

formation on the detailed categories included in these groups is available upon request.

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

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

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

The distribution of employment by hours worked relate to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in zero-hours worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

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

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

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

Race. White and black and other are terms used to describe the race of workers. The black and other category, which until

recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Eskimos, Orientals, and all other non-white groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

Spanish origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American or other Spanish origin or descent. According to the 1970 Census, approximately 96 percent of their population is white.

Major activity: going to school and major activity: *other* are terms used to describe whether the activity of young persons during the reference week was primarily one of going to school or not. Statistics on major activities are published every month in table A-7 for 16-21 year-olds by employment status, race, sex, and, if unemployed, whether seeking full- or part-time work.

Household head. One person in each household is designated as the head. The head is usually the person regarded as the head by the members of the group. If a husband and wife family occupy the unit, the husband is designated as the head. The number of heads is equal to the number of households. heads is equal to the number of households.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and April 30, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population; i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

Poverty areas classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. At the same time, several definitions were sharpened to clear up ambiguities. The principal definitional changes were: (1) Counting as unemployed only persons who were currently available for work and who had engaged in some specific 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, dura-

tion 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 of Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request.

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

age-sex group, and all of the changes were in the "other" population.

Changes in occupational classification system

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

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

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

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or

unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas and, within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are standard metropolitan statistical areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. Ratio estimates. The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, race, sex, and residence. Since these population characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. First-stage ratio estimate. This is a procedure in which the sample proportions are weighted by the known 1970 Census data on the race-residence distribution of the population. This step takes into account the differences existing at the time of the 1970 census between the race-residence distribution for the Nation and for the sample areas.

b. Second-stage ratio estimate. In this step, the sample proportions are applied to independent current estimates of the population by age, sex, and race. Prior to January 1974 these estimates were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries.

Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. In this procedure, the most recent census population adjusted to include estimated net census undercount by age, sex, and race (i.e., "inflated") is carried forward to each subsequent month and later age by adding births, subtracting deaths, and adding net migration. These postcensal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

3. Composite estimate procedure. In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

Rounding of estimates

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

Reliability of the estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were

possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

Table A. Average standard error of major employment status categories

[In thousands]		
Employment status and sex	Average standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force	205	150
Total employment	210	155
Agriculture	95	60
Nonagricultural employment	210	155
Unemployment	109	106
MALES		
Labor force	115	95
Total employment	125	100
Agriculture	85	55
Nonagricultural employment	130	105
Unemployment	81	89
FEMALES		
Labor force	140	110
Total employment	140	110
Agriculture	35	25
Nonagricultural employment	140	110
Unemployment	74	83

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error

Table B. Standard error of level of monthly estimates

(In thousands)

Size of estimate	Both sexes		Males		Females	
	Total or white	Black and other	Total or white	Black and other	Total or white	Black and other
10	4	4	6	4	6	4
50	9	9	11	9	11	9
100	12	12	16	12	16	12
250	20	17	25	17	25	17
500	30	25	34	25	34	25
1,000	40	35	50	35	50	35
2,500	60	40	75	40	75	40
5,000	85	45	90	—	90	—
10,000	115	—	115	—	115	—
20,000	150	—	125	—	125	—
30,000	170	—	—	—	—	—
40,000	180	—	—	—	—	—

of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration. Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the

monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for unemployment percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D. As a general rule, percentages will not be published when the monthly base is less than 75,000 or the annual base is less than 35,000. Table E shows the standard error of percentage of monthly levels and consecutive month change for frequently analyzed unemployment rate series. These errors are computed from data for recent months. Errors on change for nonconsecutive months are slightly greater (by roughly a factor of 1.1 times the month-to-month error).

Table C. Standard error of estimates of month-to-month change

[In thousands]

Standard error of monthly level	Standard error of month-to-month change
10	12
25	28
50	55
100	100
150	140
200	155
250	160
300	190

Table D. Standard error of unemployment percentages

Base of percentages (thousands)	Estimated percentage									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50	
75	1.5	2.1	3.2	4.5	5.4	6.1	6.7	7.5	8.3	
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1	
250	.9	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1	
500	.6	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2	
1,000	.4	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3	
2,000	.3	.4	.6	.9	1.0	1.2	1.3	1.5	1.6	
3,000	.2	.3	.5	.7	.9	1.0	1.1	1.2	1.3	
5,000	.2	.3	.4	.6	.7	.7	.8	.9	1.0	
10,000	.1	.2	.3	.4	.5	.5	.6	.7	.7	
25,000	.1	.1	.2	.3	.3	.3	.4	.4	.4	
50,000	.1	.1	.1	.2	.2	.2	.3	.3	.3	
75,000	.1	.1	.1	.1	.2	.2	.2	.2	.3	

Table E. Standard error of percentages for major unemployment rates

Selected categories	Monthly level	Consecutive month change	Selected categories	Monthly level	Consecutive month change
Total (all civilian workers) . . . . .	.12	.14	OCCUPATION—Continued		
Males, 20 years and over . . . . .	.14	.17	Blue-collar workers . . . . .	.23	.28
Females, 20 years and over . . . . .	.19	.24	Craft and kindred workers . . . . .	.32	.39
Both sexes, 16-19 years . . . . .	.56	.72	Operatives . . . . .	.36	.46
White workers . . . . .	.12	.15	Nonfarm laborers . . . . .	.66	.84
Black (and other) workers . . . . .	.43	.55	Service workers . . . . .	.32	.40
Household heads . . . . .	.12	.15	Farm workers . . . . .	.43	.53
Married men . . . . .	.13	.16	INDUSTRY		
Full-time workers . . . . .	.12	.15	Nonagricultural private wage and		
Part-time workers . . . . .	.35	.44	salary workers . . . . .	.14	.17
Unemployed 15 weeks and over . . .	.06	.07	Construction . . . . .	.75	.95
Labor force time lost . . . . .	.12	.15	Manufacturing . . . . .	.27	.34
OCCUPATION			Durable goods . . . . .	.36	.45
White-collar workers . . . . .	.13	.15	Nondurable goods . . . . .	.43	.54
Professional and technical . . . . .	.20	.24	Transportation and public utilities . .	.41	.52
Managers and administrators			Wholesale and retail trade . . . . .	.28	.35
except farm . . . . .	.23	.28	Finance and service industries . . . . .	.23	.29
Sales workers . . . . .	.39	.48	Government wage and salary workers . .	.19	.24
Clerical workers . . . . .	.24	.30	Agricultural wage and salary workers . .	1.11	1.39

Establishment data

(B, C, and D tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in 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 for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These

schedules are of the "shuttle" type, with space for each month of the calendar year. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

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

CONCEPTS

Industrial classification

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

under the industry indicated by the most important product or activity.

All national, State, and area employment, hours, earnings, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1967.

Industry employment

Employment data, except those for the Federal Government refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid during the period.

Industry hours and earnings

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

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers include the following employees in the contract construction division: Working supervisors, qualified craft workers, mechanic's apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

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

Hours cover the hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Gross average hourly and weekly earnings

Average hourly earnings are on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying causes, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the service industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

Average weekly hours

The workweek information relates to the average hours for which pay was received and is different from standard or

scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average overtime hours

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

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

Hours and earnings for total private nonagricultural industries

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

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

Railroad hours and earnings

The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable average weekly earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker and his marital status, as well as on the level of his gross income. To reflect these variables, spendable

earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with either none or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

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

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (1967).

Average hourly earnings excluding overtime

Average hourly earnings excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and hours

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

Indexes of diffusion of changes in number of employees on nonagricultural payrolls

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

Labor turnover

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

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

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

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

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

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

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

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

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

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

The "link relative" technique

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

Size and regional stratification

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

Benchmark adjustments

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

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

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

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

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

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

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

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

¹ 2-year revision.

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to accept samples in these divisions with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

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

Coverage

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

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

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

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

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

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

Industry	Employees	
	Number reported	Percent of total
Total	10,873,730	52
Manufacturing	10,007,800	51
Metal mining	61,850	66
Coal mining	56,770	35
Communication:		
Telephone	734,270	74
Telegraph	13,040	61

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Improvements brought about by the most recent expansion in unemployment insurance coverage were the major cause of differences in the March 1973 benchmark adjustments. (See article by Carol M. Utter, "BLS Establishment Estimates Revised to March 1973 Benchmark Levels", in the December 1974 issue.) Table J presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

Table J. Average benchmark percent revision in employment estimates and relative errors¹ for average weekly hours and average hourly earnings by industry division

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

¹ Relative errors relate to March 1971 data.

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

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

The measure is the standard deviation adjusted for the bias in estimates

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

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

Approximations of the root-mean-square errors (based on the experience of the last 6 years) of differences between final estimates and benchmarks are presented in table K.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table L presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than .1 of an hour for weekly hours and 1 cent for hourly earnings.

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

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

¹ Assuming 12-month intervals between benchmark revisions.

Table L. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	1,000	900
200,000	1,700	1,700
500,000	2,600	2,400
1,000,000	5,000	4,900
2,000,000	9,000	8,700
10,000,000	29,000	26,000
Total nonagricultural employment	98,000	87,000
Mining	5,000	5,000
Contract construction	20,000	21,000
Manufacturing	45,000	42,000
Transportation and public utilities	13,000	11,000
Wholesale and retail trade	35,000	32,000
Finance, insurance, and real estate	7,000	7,000
Services	29,000	23,000
Government	44,000	42,000

STATISTICS FOR STATES AND AREAS

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

national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

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.

Definitions

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

Output is the constant dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

Compensation per hour includes wages and salaries of employees plus employers contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index.

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

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

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the Gross Domestic Product less households and institutions, owner-occupied, housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate businesses.

Manufacturing data have been revised to reflect revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hour data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

State and area unemployment data

(E table)

Since November 1972, the Bureau of Labor Statistics has been responsible for developing the concepts and methods used by State employment security agencies to estimate State and local area labor force, employment, and unemployment. In December 1975, the Office of Management and Budget extended this responsibility to include the publication of State and local area labor force and unemployment estimates. Prior to 1972, State agencies prepared estimates using a method developed by the Department of Labor in 1950, generally referred to as the Handbook method (BES Report No. R-185). The new system combines the Handbook method with a set of procedures based on the concepts and definitions used in the national Current Population Survey (CPS). Improvements have been in two areas: (1) The estimating methodology previously used by State agencies has been modified to more closely approximate CPS definitions; and (2) The State-prepared monthly estimates are benchmarked to annual average totals from the CPS.

Federal-State cooperative program

Labor force and unemployment estimates for States, labor market areas (LMA), and other areas specifically defined for fund allocation purposes are developed under a Federal-State cooperative program and transmitted each month to BLS. The local area unemployment estimates approved by BLS are the basis for determining eligibility of an area for benefits under Federal economic assistance programs, such as those established by the Comprehensive Employment and Training Act (CETA).

ESTIMATING METHODS

Monthly employment and unemployment estimates are prepared in several stages:

1. *Preliminary estimate—Employment:* The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the Current Population Survey. Adjustment factors for the major categories of employment by class of worker and industry have been developed on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—Unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force for the first time or reentering after a period of separation.

An estimate for those previously employed in covered industries is derived from a count of current unemployment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving

benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late, or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying the current ratio of covered unemployment to covered employment to the employment estimate for each industry or class of worker subgroup in the State, weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) the proportion of the working age population that is considered "youth". The composite estimate of total entrants is defined as:

$$U = A(X + E) + BX, \text{ Where}$$

U = total entrant unemployment

E = total employment

X = total experienced unemployment

A, B = synthetic factors incorporating seasonal variation, and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Adjustment for additivity.* Using the Handbook method, States prepare independent employment and unemployment estimates for the State, and for many substate areas. An adjustment is applied to all substate estimates to ensure that the substate estimates add to the independent State totals. Specific additivity adjustment procedures vary from State to State, but are generally one of the three following basic methods: (a) If a State is comprised of mutually exclusive and exhaustive LMA's, then the difference between the independent State estimate and the sum of the estimates for the LMA's is prorated over all LMA's in the State, to produce a set of substate estimates which add to the independent State estimate; (b) If the mutually exclusive LMA's do not exhaust the geographic area of the State, then the difference between the independent State estimate and the sum of the LMA estimates, or residual, becomes the balance-of-State estimate; (c) If a State contains LMA's which are benchmarked independently (see below), estimates for these areas are subtracted from the independent State estimate and the additivity adjustment is then applied to the remaining areas in the balance of the State.

4. *Benchmark correction and extrapolation procedures.* Once each year all monthly estimates prepared by State employment security agencies under the Handbook method are adjusted, or benchmarked, by BLS to the annual average estimates resulting from the CPS. This adjustment is necessary because

the State-prepared estimates are not as reliable as the CPS estimates, due to differences in State UI laws, the structural limitations of the Handbook method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly Handbook estimates are adjusted by the ratio of the CPS and Handbook annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the second-stage estimates are forced into agreement with CPS annual averages.

The benchmarked estimates are extrapolated into the current year by applying the latest relevant correction factor to the current Handbook estimates of employment and unemployment. The employment factor used in year (t) is the quotient of the December employment benchmarked and Handbook estimates in year (t-1). The unemployment factor for year (t) is the algebraic difference between the December unemployment benchmarked and Handbook estimates in year (t-1). The preliminary estimate in the current year is then the result of applying the correction factor by multiplication (for employment), or by addition (for unemployment) to the current Handbook estimate.

Unemployment insurance data

(F tables)

Insured unemployment represents the number of persons reporting a week of unemployment under an unemployment insurance program. It includes some persons who are working part time who would be counted as employed in the payroll and household surveys. Excluded are persons who have exhausted their benefit rights and workers who have not earned rights to unemployment insurance. In general, excluded from coverage are those persons engaged in agriculture, domestic service, unpaid family work, selected nonprofit organizations, some State and local government and self-employment. Also excluded from the insured unemployment count, but included as employed in the household survey, are those persons who earned no wages during the payroll period because they were temporarily absent from their jobs due to taking time off, illness and industrial dispute as well as unpaid vacations. The rate of insured unemployment is

the number of insured unemployed expressed as a percent of average covered employment in a 12-month period ending 6 to 8 months prior to the week of reference. Initial claims are notices filed by those losing jobs covered by an unemployment insurance program that they are starting a period of unemployment. A claimant who continued to be unemployed a full week is then counted in the insured unemployment figure.

Because of differences in State laws and procedures under which unemployment insurance programs are operated, State unemployment rates generally indicate, but do not precisely measure, differences among the individual States. Persons wishing to receive a detailed description of the nature, sources, inclusions and exclusions, and limitations of unemployment insurance data should address their inquiries to Employment and Training Administration, Washington, D.C. 20210.

Seasonal adjustment

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

The seasonal adjustment methods used for these series are an adaptation of the standard ratio-to-moving average method, with a provision for moving "adjustment factors" to take account of changing seasonal patterns. A detailed description of the method is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal ad-

justment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. All other series are adjusted following past procedures.

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

Revised seasonally adjusted series for major components of the labor force based on data through December 1975, 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 1976 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

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

seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the Census X-11 Method using the trading day option. As a result these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through August 1976. Seasonal factors to be used for current adjustment appear in the December 1976 issue of *Employment and Earnings*.

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

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