

EMPLOYMENT AND EARNINGS

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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.	Sept.	Oct.	Nov.
Household data										
Annual averages	x									
Revised seasonally adjusted series and current seasonal factors		x								
Quarterly averages:										
Seasonally adjusted data										
Persons not in labor force	x			x		x			x	
Vietnam Era war veterans										
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 and current seasonal factors								(1)		
State and area annual averages					x					
Area definitions					x					

¹ The issue that introduces the establishment data adjusted to new benchmarks varies. The September 1971 issue marks the introduction of March 1970 benchmarks.

Employment and Unemployment Developments, November 1971

Unemployment moved up in November, but employment continued to gain, reaching 80 million for the first time. Total employment has risen substantially since the summer. The unemployment rate was 6.0 percent in November, compared with 5.8 percent in October. The overall jobless rate has fluctuated close to the 6-percent mark since last November.

Nonagricultural payroll employment rose slightly in November, as employment in most major industry divisions edged up from their October levels.

Unemployment

The number of unemployed persons totaled 4.8 million in November. After allowance for the usual seasonal changes, unemployment was up 210,000 between October and November, with virtually all of the increase occurring among young adults. The bulk of the overall rise in joblessness stemmed from job loss (rather than from the entry or re-entry of jobseekers into the labor force).

The overall jobless rate was 6.0 percent in November, compared with 5.8 percent in October and 6.0 percent in September. Although unemployment rates for a few major labor force groups changed over the month, the jobless situation for most workers was not significantly different in November from the patterns that have generally prevailed during 1971.

Unemployment rates for all adult men (4.4 percent) and teenagers (17.0 percent) showed little or no change from their October levels. The adult male rate continued within the relatively narrow 4.2-4.5 percent range in evidence since the beginning of the year. The teenage jobless rate stood at the 17-percent mark for the fourth consecutive month and has shown no clear trend since rising sharply in late summer and early fall of 1970. For married men, however, the jobless rate (3.4 percent) was up significantly over the month, following a drop in October. Their rate has also shown no marked change during the course of the year.

The unemployment rate for adult women rose from 5.5 to 5.8 percent over the month but was little different from the levels that have prevailed throughout

1971. The October-to-November rise primarily reflected increased joblessness among 20-24 year-olds.

The November increase in unemployment occurred almost entirely among full-time workers, whose rate rose from 5.4 percent in October to 5.8 percent in November. The jobless rate for part-time workers was essentially unchanged over the month.

White workers accounted for all of the November increase in joblessness. Their unemployment rate, which had edged down between August and October, rose from 5.3 to 5.7 percent in November, a return to the levels prevailing during much of 1971. The jobless rate for Negroes, on the other hand, dropped over the month—from 10.7 percent to 9.3 percent—after drifting upward since the beginning of the year.

Among the major industries, the jobless rate for manufacturing workers moved up in November following a decline in October. At 6.8 percent, the jobless rate for factory workers has shown little change thus far in 1971. The unemployment rate for workers in wholesale and retail trade also rose over the month, after inching downward since May. In contrast, the jobless rate for workers in construction dropped from 10.3 to 8.9 percent in November; this rate had hovered around the 10-percent mark in recent months, following a decline from even higher levels earlier in the year. With the exception of a small increase in the rate for white-collar workers, unemployment rates for most major occupational groups showed little change over the month.

For workers covered by State unemployment insurance programs, the jobless rate moved down from 4.5 to 4.2 percent in November (seasonally adjusted). The decline returned the State insured rate to the August level, after small increases in the intervening months.

The increase in joblessness in November resulted in a rise in the number of workers unemployed less than 5 weeks, which, in turn, was partly responsible for lowering the average duration of unemployment to 11.7 weeks, seasonally adjusted. Since May, the average duration of unemployment has fluctuated narrowly around 12 weeks, some 3 weeks above year-ago levels.

The number of workers on part time for economic reasons (those who want full-time work but have been

able to find only a part-time job or have had their work-week reduced because of economic factors affecting their jobs) rose from 2.5 to 2.6 million (seasonally adjusted) in November. This series had hovered around the 2.5-million mark since last December, but the November increase brought the number of such workers to a 10-year high.

Civilian labor force and total employment

The Nation's civilian labor force rose by 390,000 in November, seasonally adjusted, to an alltime high of 85.2 million. The over-the-month increase, confined largely to adult women and teenagers, continued the rapid expansion of the civilian labor force in evidence since late summer.

Total employment has also risen substantially since the summer. The increase in recent months has been concentrated among adult women.

Vietnam Era veterans

After dropping substantially in October, unemployment among Vietnam Era veterans 20 to 29 years old returned to the level that had prevailed throughout the third quarter of 1971. A total of 320,000 war veterans were unemployed in November, 50,000 more than in October, while the number employed held steady at 3.6 million. (Data are not seasonally adjusted; see table.) Compared with November 1970, unemployment was little changed, but employment increased by 500,000; the number of 20-29 year-old Vietnam Era veterans in the population rose 590,000 over the year.

The unemployment rate for veterans rose from 7.0 to 8.2 percent over the month. The veterans' rate in November exceeded the rate for nonveterans in this age

group, as was the case in most months of 1971. For nonveterans, both the level (570,000) and rate of unemployment (7.0 percent) in November were essentially unchanged from October.

Industry employment developments

Nonagricultural payroll employment rose 80,000, seasonally adjusted, in November, following a month of little change. The November increase brought the number of payroll jobs to within 235,000 of the alltime high set in March 1970. Small over-the-month employment gains were posted in both the goods- and service-producing sectors.

Employment in manufacturing increased by 40,000, seasonally adjusted, between October and November. At 18.6 million, factory employment was up by 135,000 from the recent low reached this past August but was still 1.7 million below the alltime high of July 1969. Half of the over-the-month increase took place in the food processing industry, where employment rose 20,000, following a decline of similar magnitude in the previous month. There were no substantial employment changes in the other manufacturing industries.

In contract construction, employment rose for the third month in a row, increasing by 10,000 (seasonally adjusted) in November. After declining during the spring and summer, construction employment has returned to the levels of late 1970, although remaining well below the record highs reached in late 1969 and early 1970. Mining employment was unchanged at its low October level, due to the continuation of the bituminous coal strike (which was settled after the survey week).

Employment in the service-producing industries rose by 40,000 in November, as increases in finance, insurance, and real estate (20,000), services (40,000), and

Employment status of male Vietnam Era veterans and nonveterans 20 to 29 years old

(Numbers in thousands; data not seasonally adjusted)

Employment status	War veterans ¹			Nonveterans		
	Nov. 1971	Oct. 1971	Nov. 1970	Nov. 1971	Oct. 1971	Nov. 1970
Civilian noninstitutional population	4,293	4,252	3,702	9,570	9,515	9,066
Civilian labor force	3,937	3,876	3,401	8,170	8,159	7,819
Percent of population	91.7	91.2	91.9	85.4	85.7	86.2
Employed	3,616	3,606	3,110	7,600	7,621	7,318
Unemployed	321	270	291	570	538	501
Unemployment rate	8.2	7.0	8.6	7.0	6.6	6.4
Not in labor force	356	376	301	1,400	1,356	1,247

¹ War veterans are defined by the dates of their service in the United States Armed Forces. War veterans 20 to 29 years old are all veterans of the Vietnam Era (service at any time after August 4, 1964), and they account for about 85 percent of the Vietnam Era veterans of all ages. About 600,000 post-Korean peacetime veterans 20 to 29 years old are not included in this table.

State and local government (30,000) more than offset a decline in wholesale and retail trade (50,000). Employment in transportation and in Federal government remained virtually unchanged in November.

Hours of work

The average workweek for all rank-and-file workers on private nonagricultural payrolls edged up 0.1 hour, seasonally adjusted, in November to 37.2 hours. This small rise in seasonally adjusted hours resulted from the shift of the Veterans Day holiday—which in previous years had usually occurred during the November survey week—to the fourth Monday of October. As a result of this change in the holiday schedule, the typical decline in hours did not take place this year.

In manufacturing, the workweek moved up by 0.3 hour in November to 40.1 hours (seasonally adjusted), with gains being posted in most industries. This increase also largely resulted from the effect of the shift in Veterans Day.

The largest over-the-month increase in hours occurred in contract construction (1.5 hours, seasonally adjusted) and may be attributable to exceptionally good weather in the survey week as well as to the effect of the Veterans Day shift. The workweek in transportation and

public utilities, trade, and services all edged up 0.1 hour in November.

Factory overtime hours edged down 0.1 hour in November to 2.9 hours. The contraction in overtime was centered in the nondurable goods industries. Overtime hours in manufacturing have continued in the 2.8 to 3.0 hours range since the beginning of the year.

Earnings

Average hourly earnings of production and nonsupervisory workers on private nonagricultural payrolls were \$3.47 in November, a decline of 2 cents from October. Compared with a year ago, hourly earnings have risen 18 cents or 5.5 percent.

As a result of the drop in hourly earnings, average weekly earnings in November were down 74 cents over the month to \$128.74. Gains in weekly earnings in manufacturing and services were more than offset by declines in mining, contract construction, and finance, insurance, and real estate. Compared with November 1970, average weekly earnings were up by \$7.67 or 6.3 percent. During the latest 12-month period for which the Consumer Price Index is available—October 1970 to October 1971—consumer prices rose by 3.8 percent.

CHARTS

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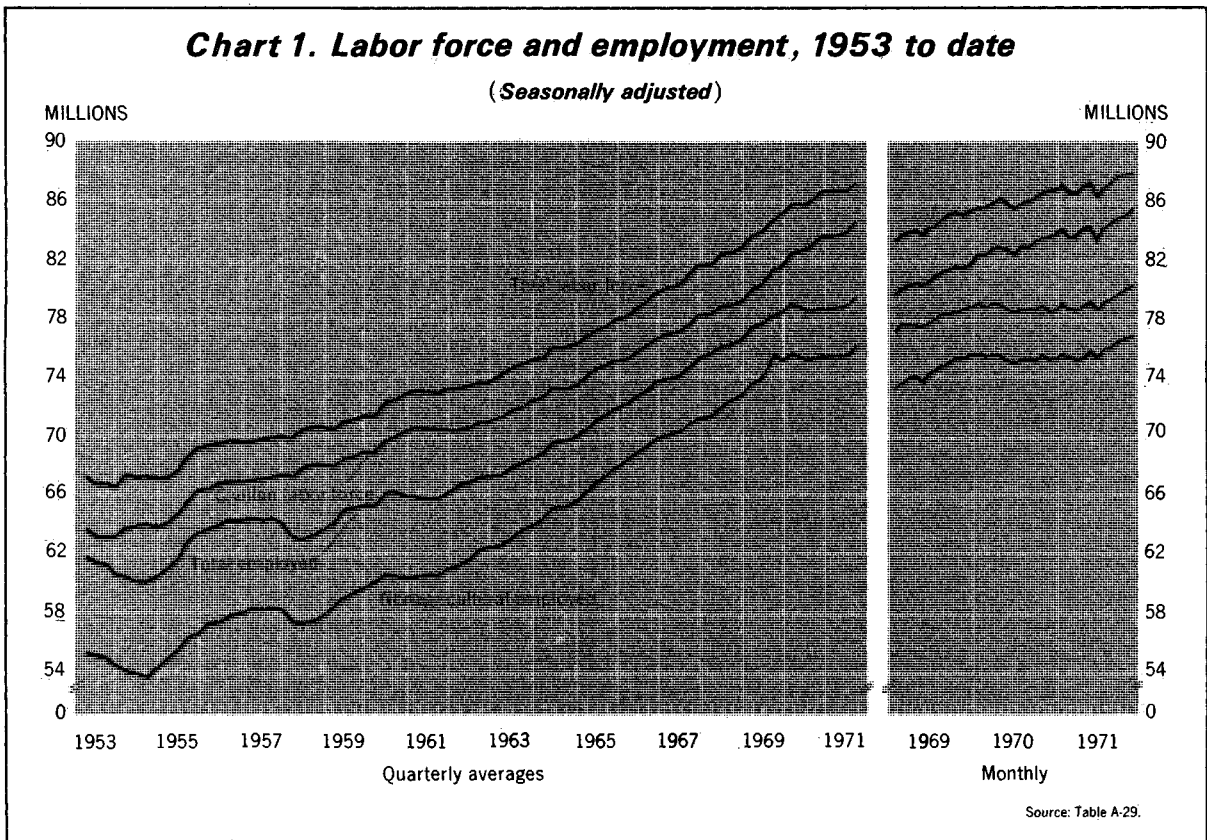
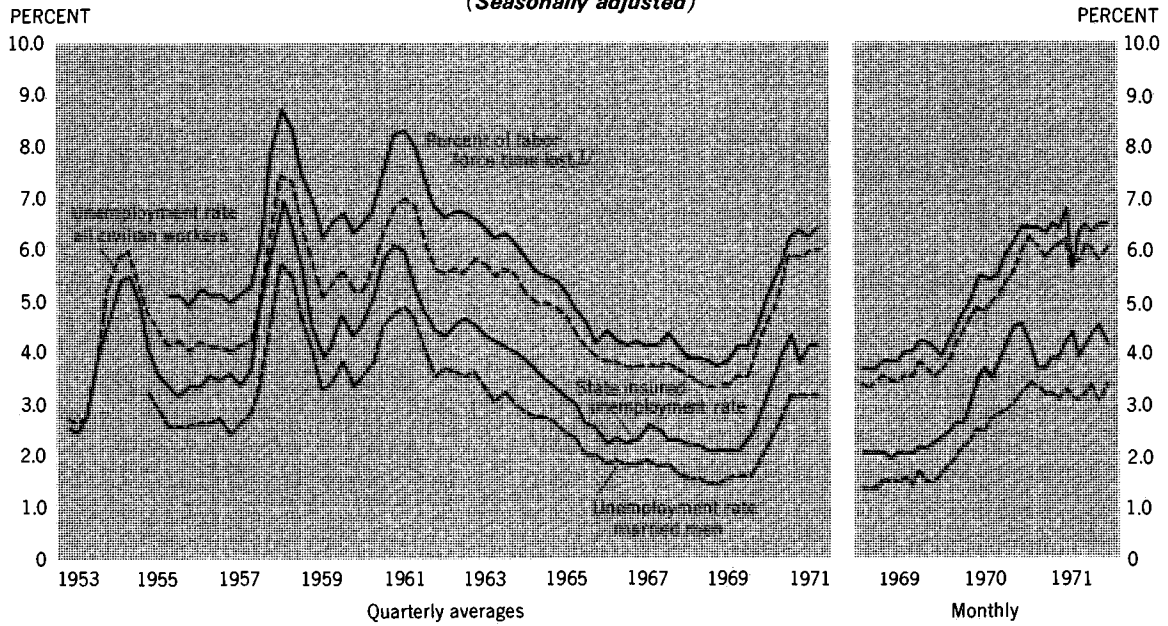


Chart 2. Major unemployment indicators 1953 to date

(Seasonally adjusted)

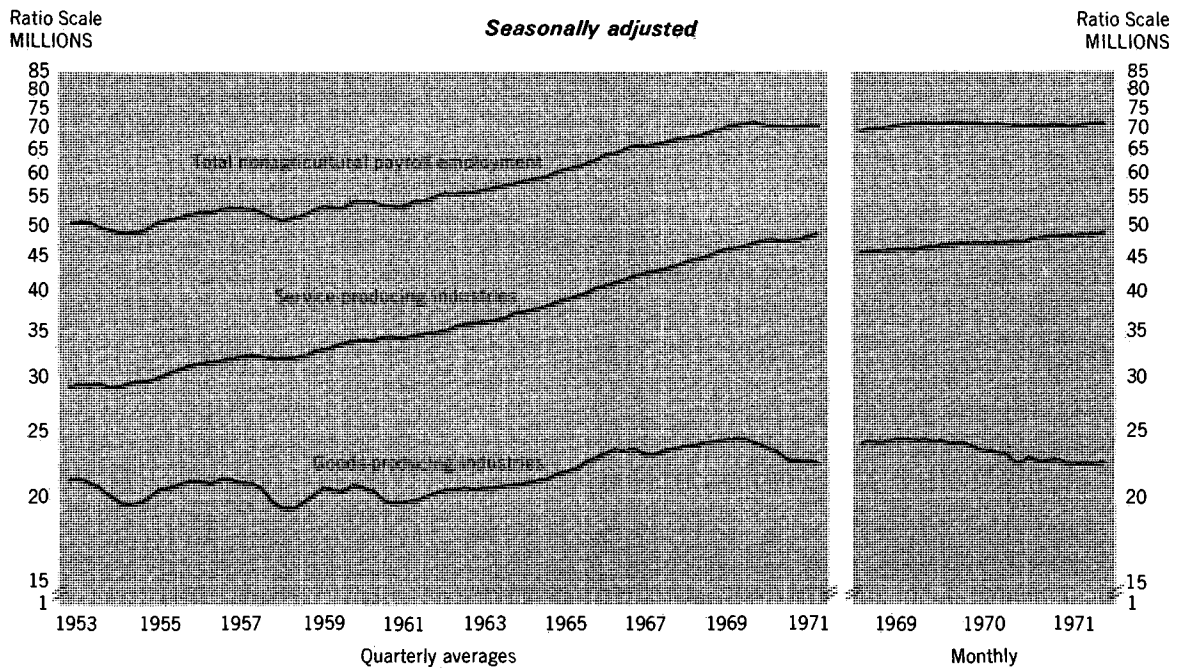


U-Series revised beginning 1963 to reflect whether unemployed persons sought full- or part-time jobs.

Source: Table A-33.

Chart 3. Payroll employment in goods-and service-producing industries 1953 to date

(Seasonally adjusted)

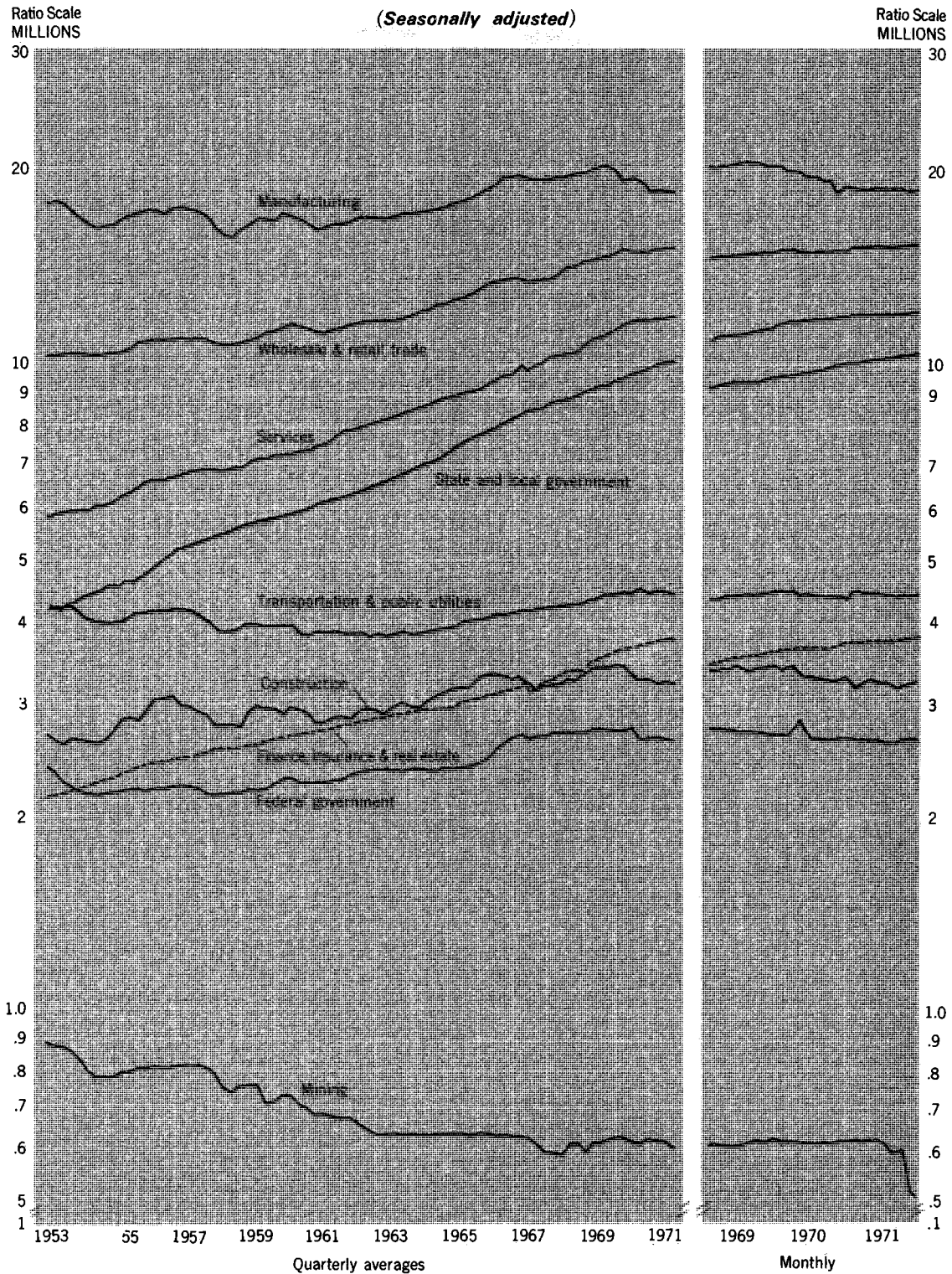


Note: Data for 2 most recent months are preliminary.

Source: Table B-5.

Chart 4. Nonagricultural payroll employment by industry 1953 to date

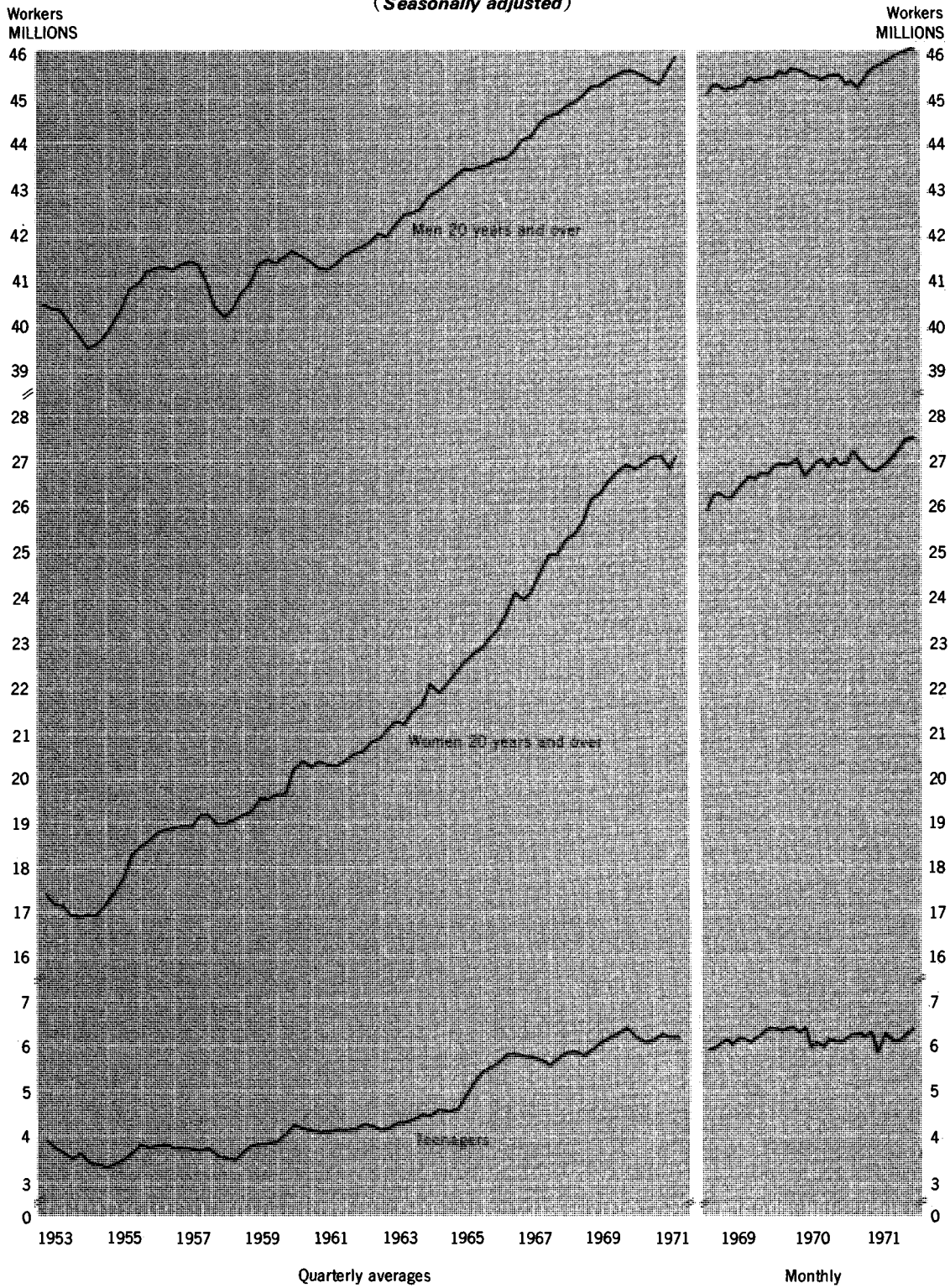
(Seasonally adjusted)



Note: Data for 2 most recent months are preliminary.

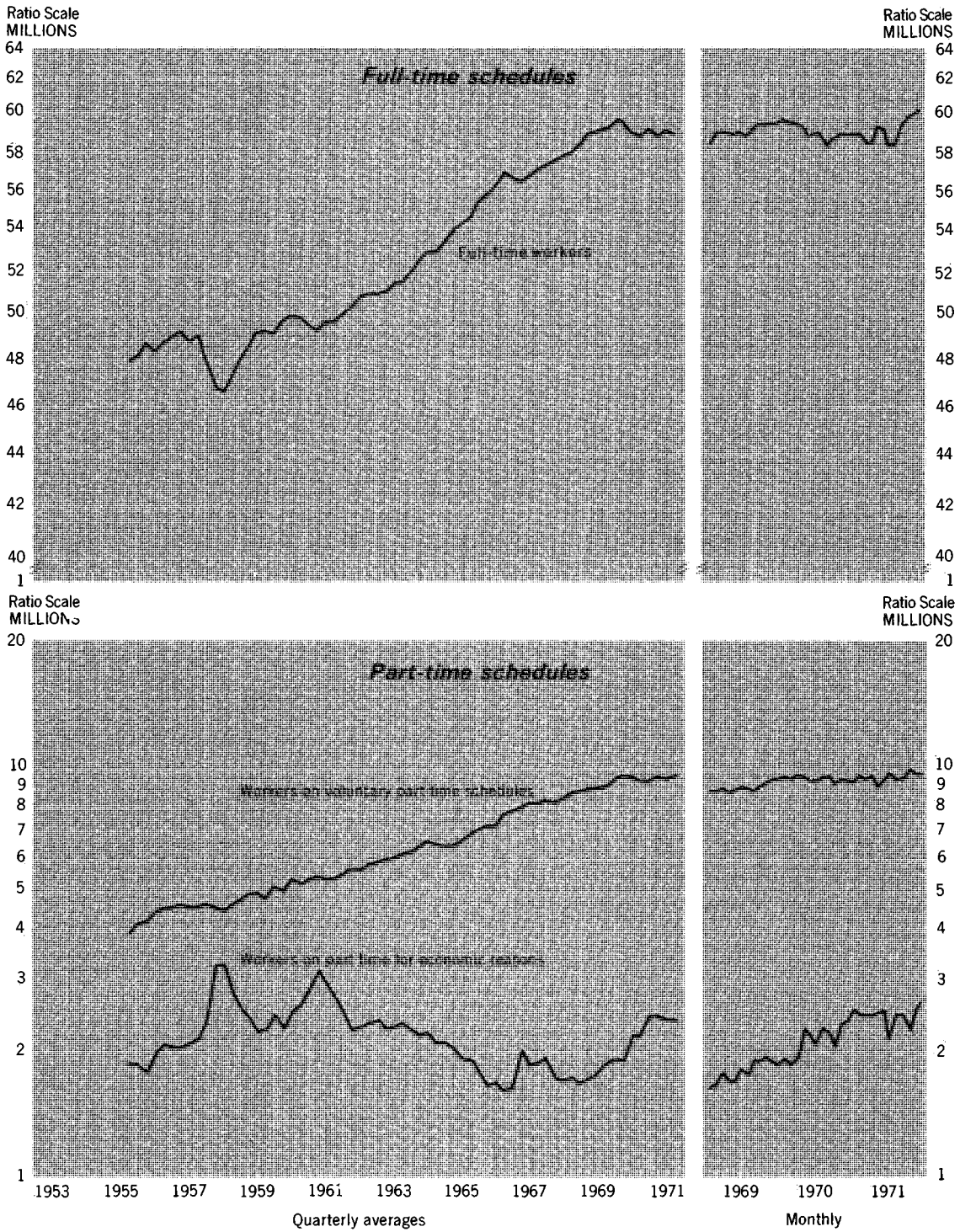
Source: Table B-5.

**Chart 5. Total employment by age and sex
1953 to date**
(Seasonally adjusted)



Source: Table A-29.

**Chart 6. Persons at work full and part time
in nonagricultural industries
1955 to date**
(Seasonally adjusted)

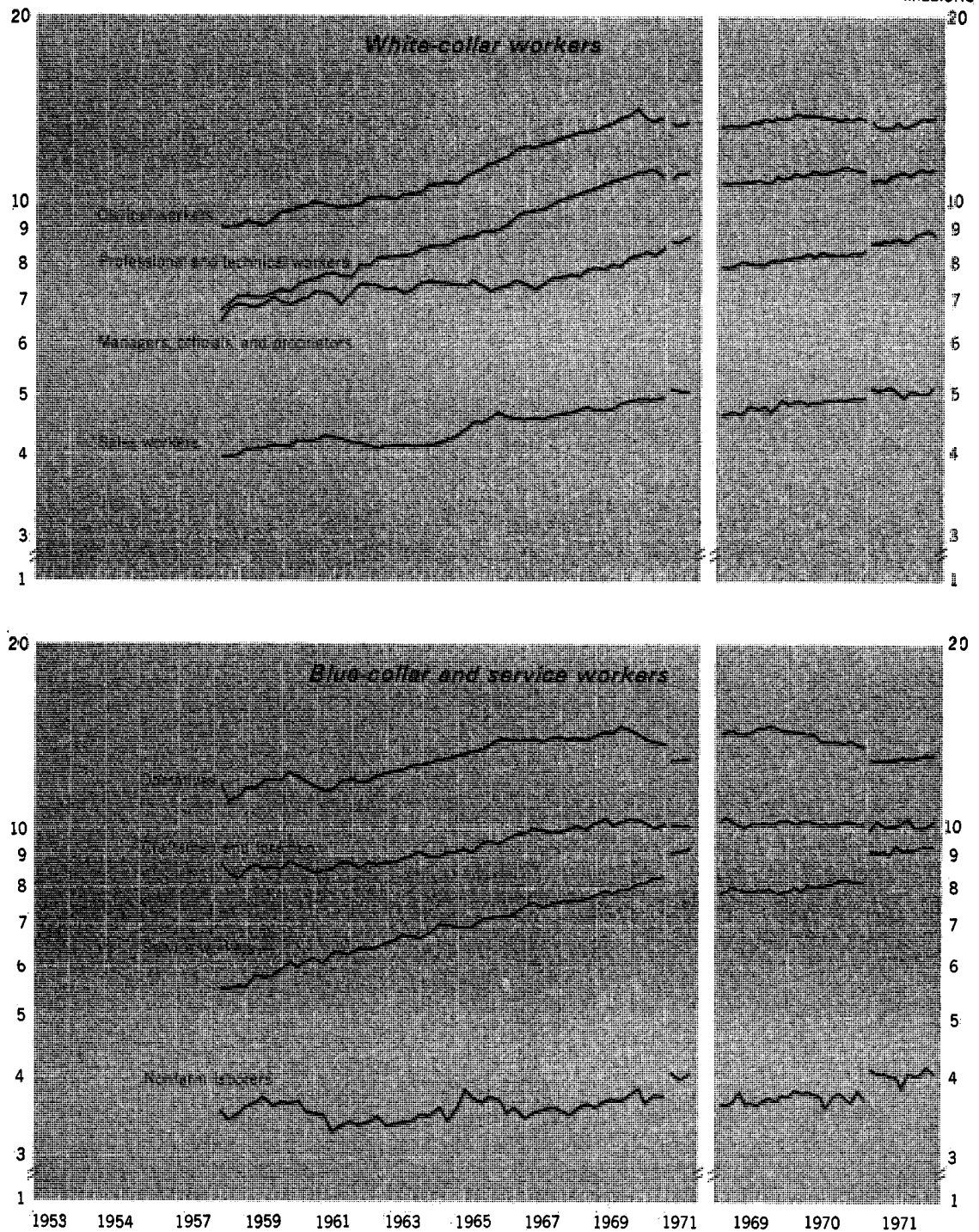


Source: Table A-29 and unpublished data.

Chart 7. Employment in nonfarm occupations 1958 to date (Seasonally adjusted)

Ratio Scale
MILLIONS

Ratio Scale
MILLIONS

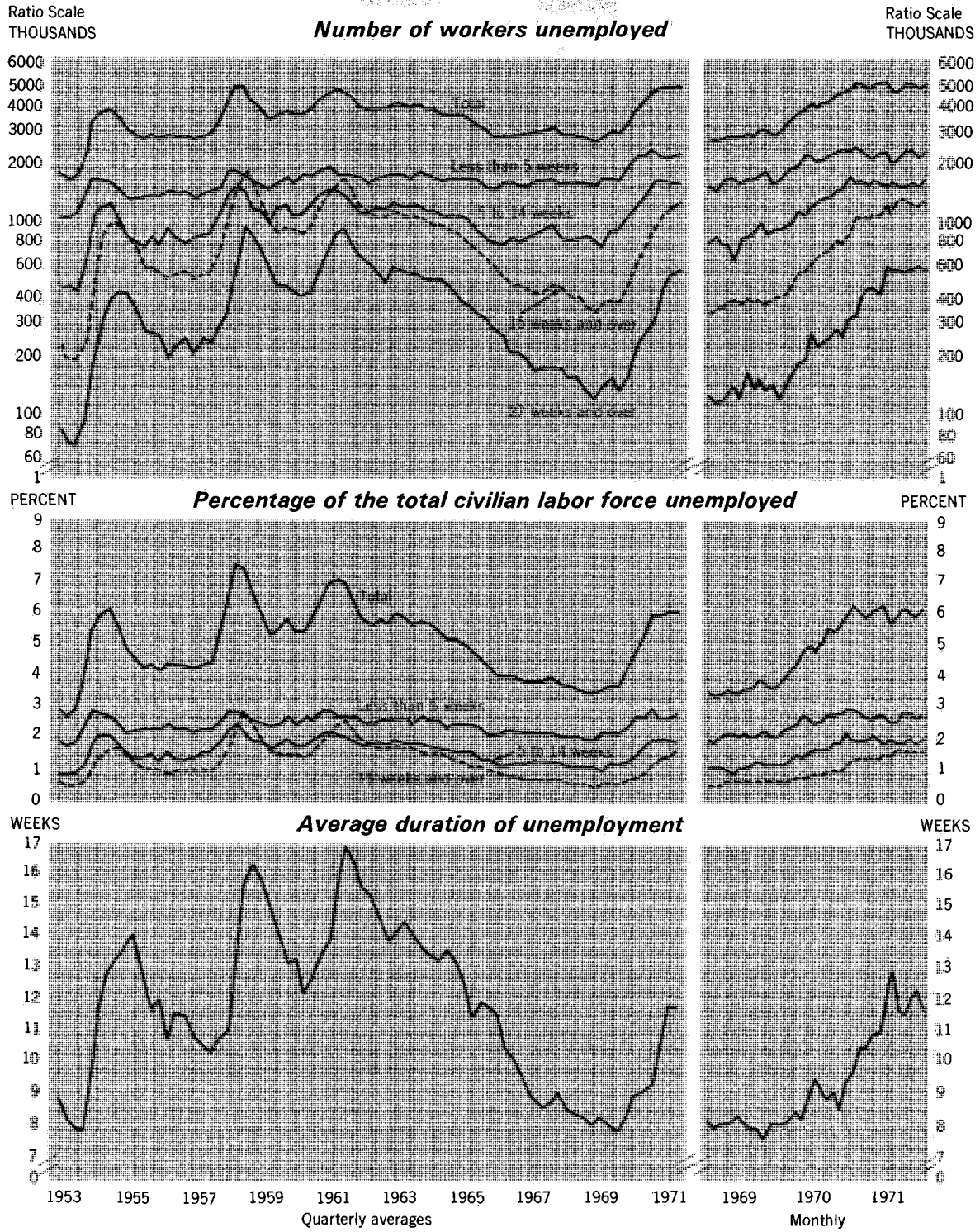


1/ Excludes private household workers.

Note: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month, creating a break in series.

Source: Table A-37.

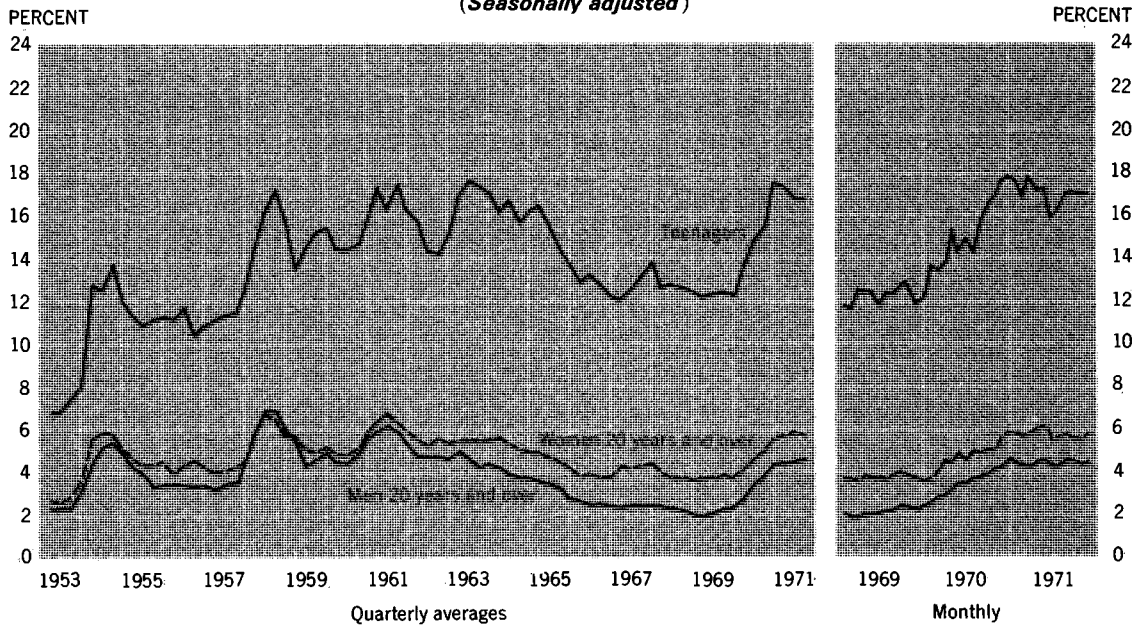
**Chart 8. Duration of unemployment
1953 to date**
(Seasonally adjusted)



Source: Table A-32.

**Chart 9. Unemployment rates by age and sex
1953 to date**

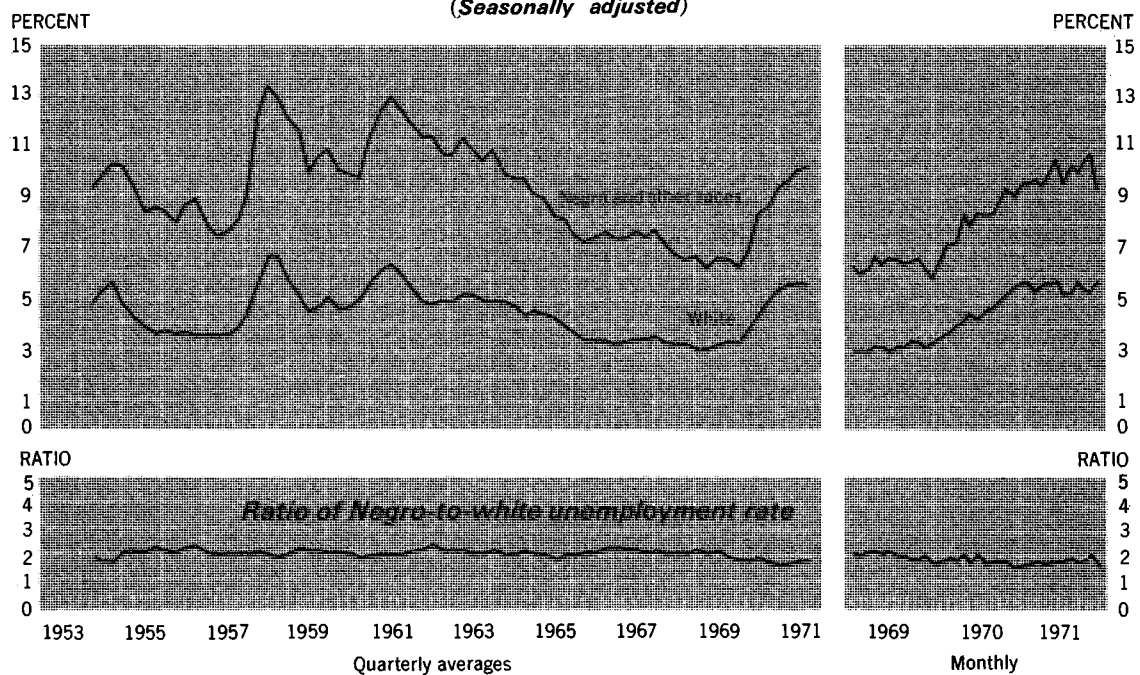
(Seasonally adjusted)



Source: Table A-33

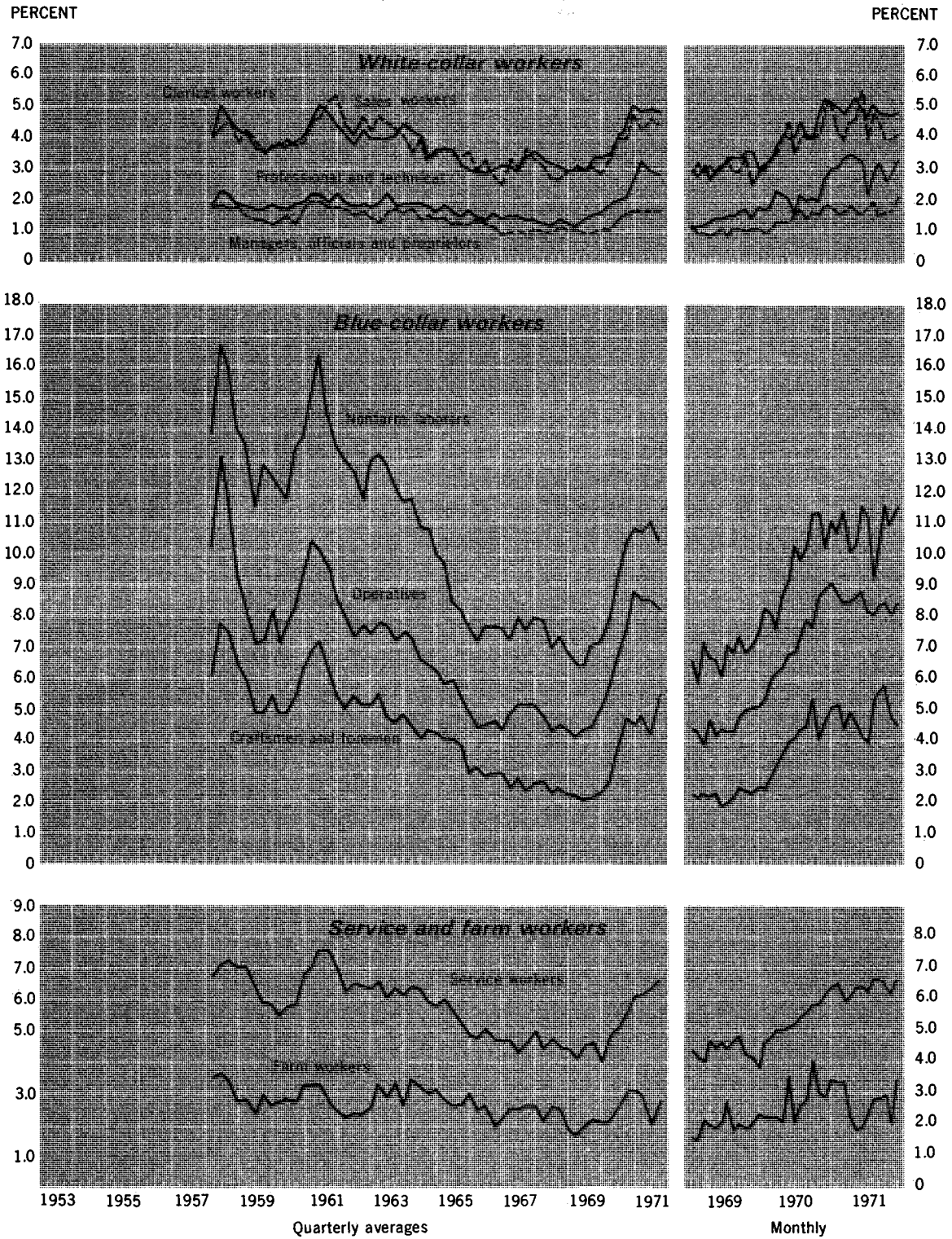
**Chart 10. Unemployment rates by color
1954 to date**

(Seasonally adjusted)



Source: Table A-31.

**Chart 11. Unemployment rates by occupation
1958 to date**
(Seasonally adjusted)



Source: Table A-33.

Chart 12. Average weekly hours in private nonagricultural establishments, manufacturing, and trade 1953 to date

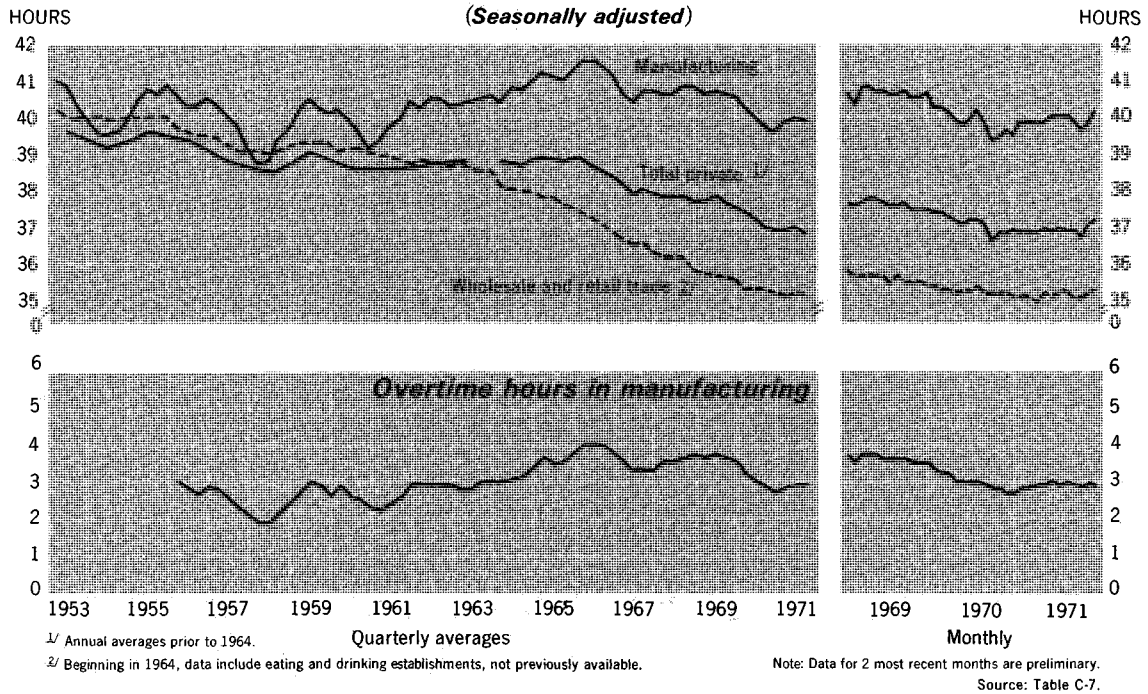


Chart 13. Labor turnover rates in manufacturing 1953 to date

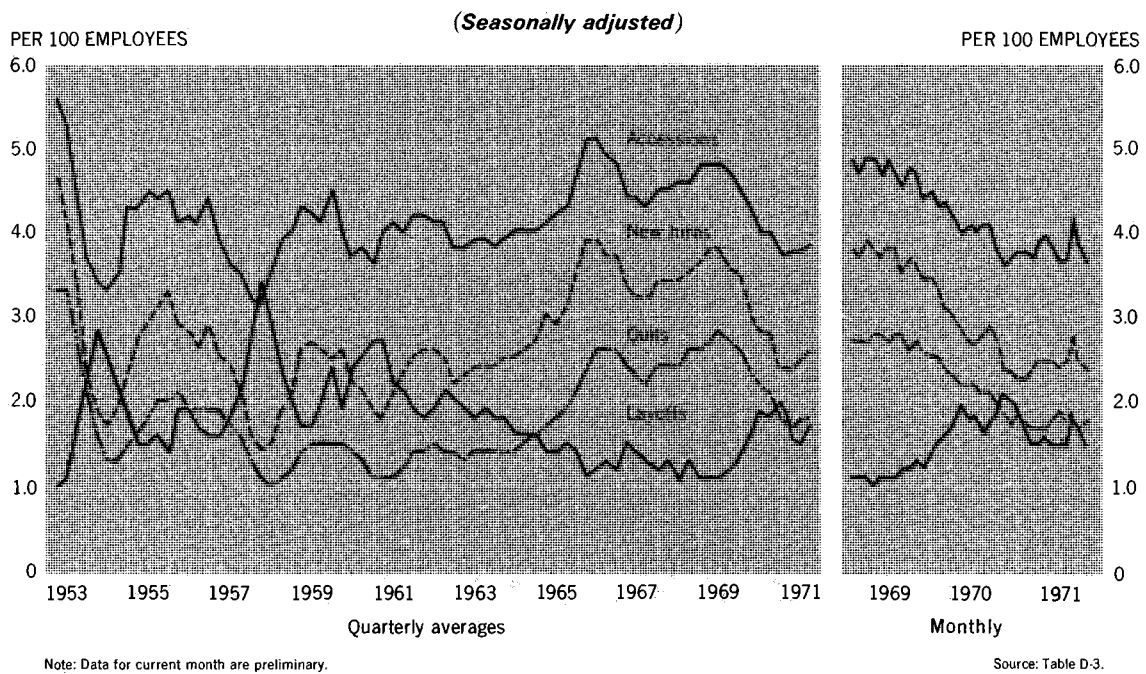
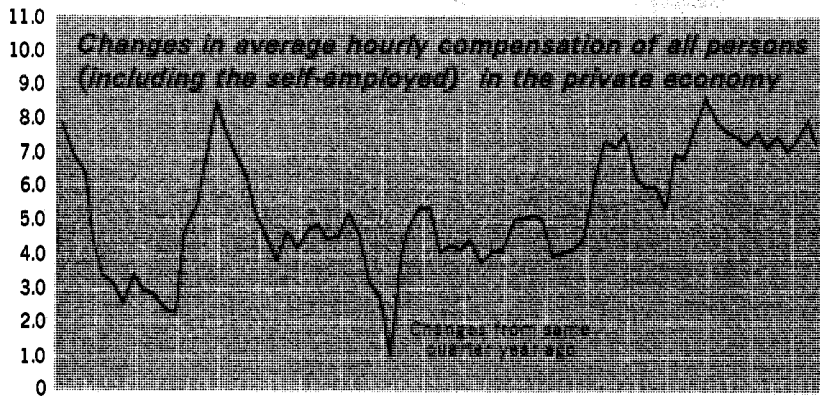


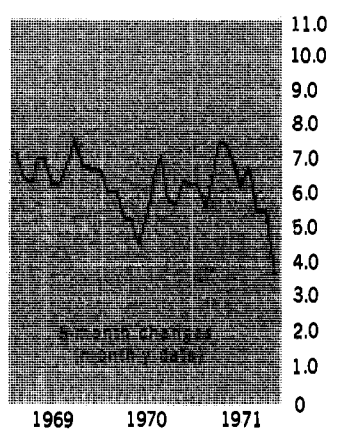
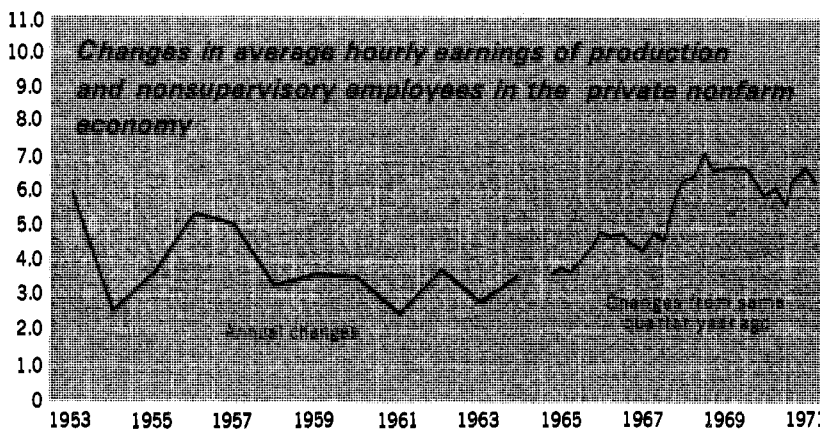
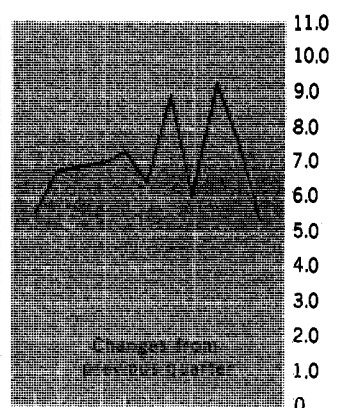
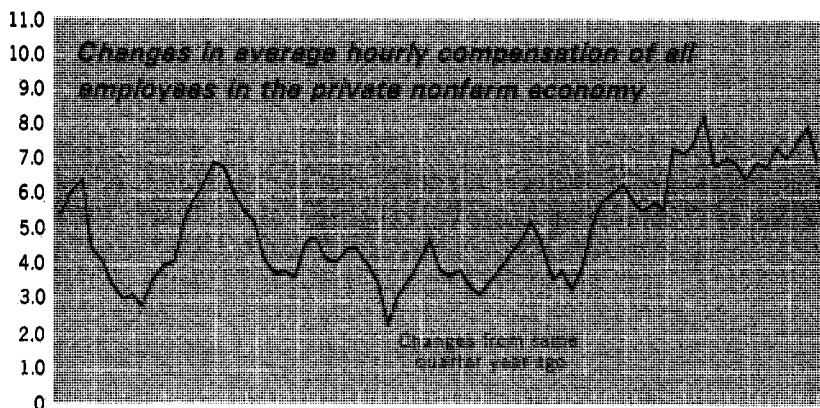
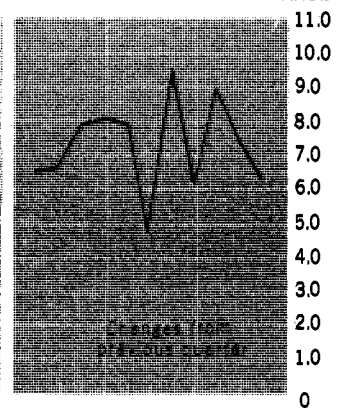
Chart 14. Major compensation trend indicators 1953 to date

(Seasonally adjusted, at annual rates)

PERCENT CHANGE

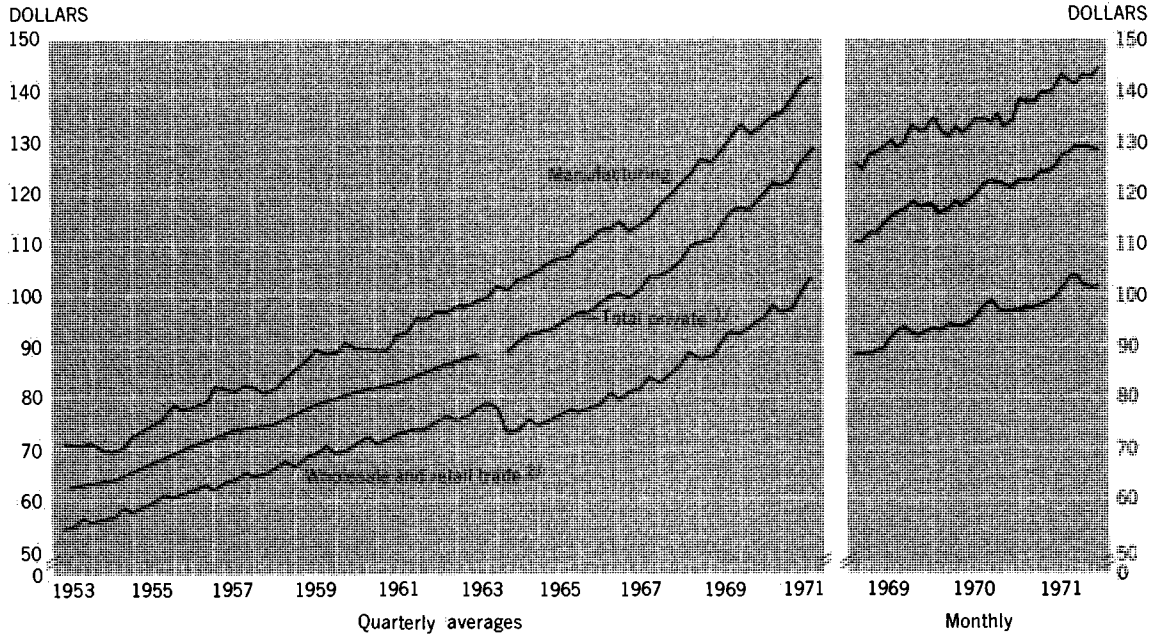


PERCENT CHANGE



Source: Tables C-11, C-12, and C-14.

Chart 15. Average weekly earnings in private nonagricultural establishments, manufacturing, and trade 1953 to date



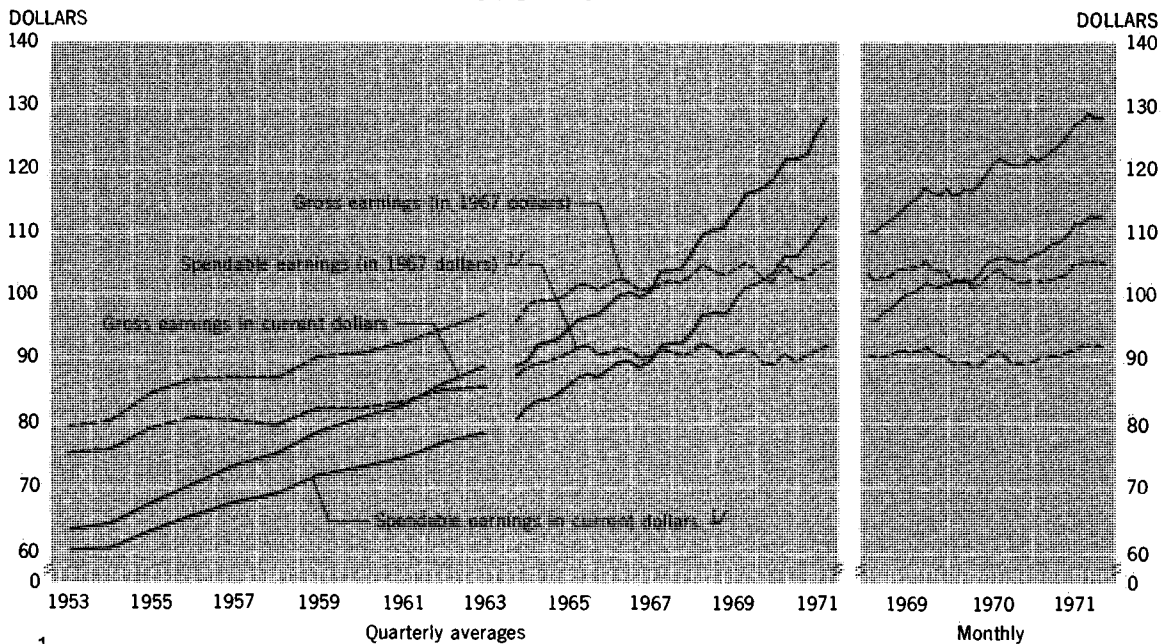
1/ Annual averages prior to 1964.

2/ Beginning in 1964, data include eating and drinking establishments, not previously available.

Note: Data for 2 most recent months are preliminary.

Source: Table C-1.

Chart 16. Average weekly and spendable earnings of production or nonsupervisory workers on private nonagricultural payrolls 1953 to date



¹ Worker with 3 dependents

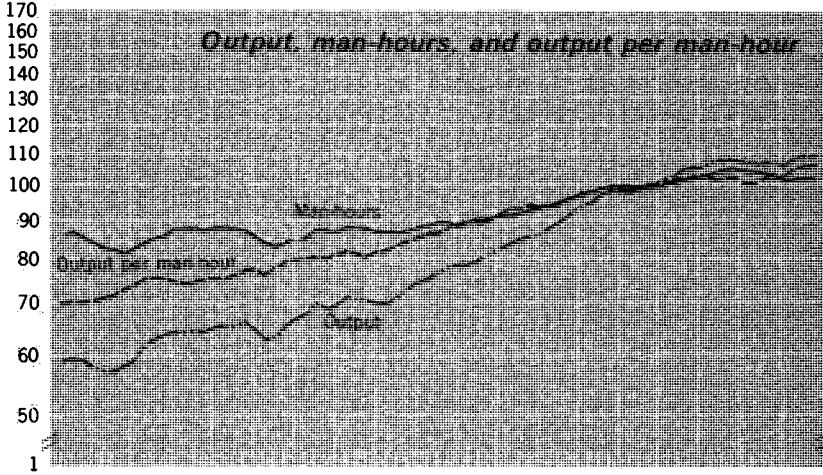
NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

Source: Table C-5.

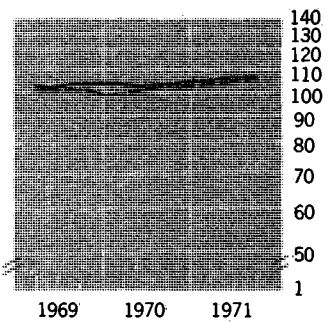
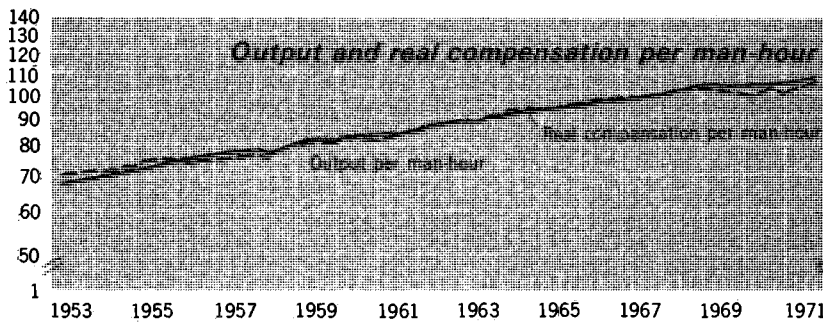
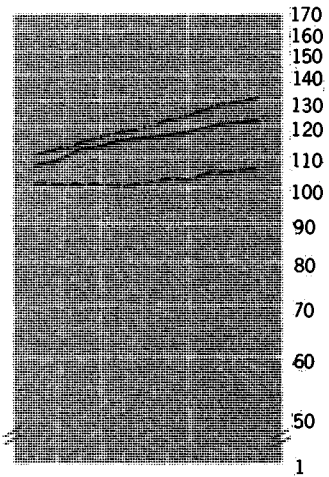
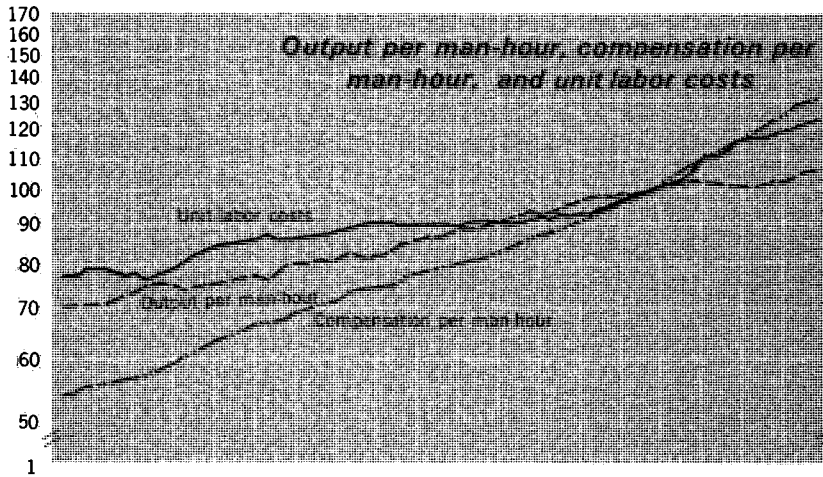
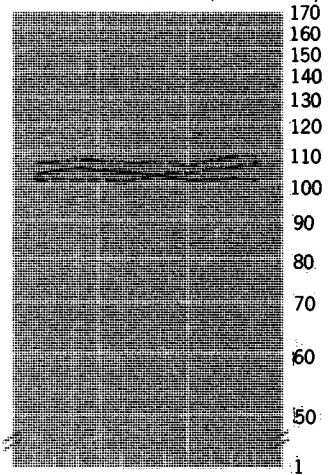
**Chart 17. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy
1953 to date**

(Seasonally adjusted quarterly averages)

RATIO SCALE
INDEX (1967 = 100)



RATIO SCALE
INDEX (1967 = 100)



Source: Table C-10

Measures of Variability for Seasonally Adjusted Series From the Establishment Surveys

*by John Early

The seasonal adjustment process is an attempt to remove from a time series all variations that are due to recurring seasonal circumstances such as cold weather, school vacations, and Christmas. The underlying assumption of this adjustment is that a series can be broken into three parts: the seasonal (S) or short-term periodic variations, the trend-cycle (C) or the combination of long-term trends and middle-term cyclical fluctuations and the irregular (I) or the residual which exhibits essentially random behavior. The Bureau of Labor Statistics seasonal adjustment method¹ adopts the so called multiplicative adjustment model which assumes the following relationship for the three components of a series (A):

$$A = S \times C \times I$$

The original series with the seasonal variation removed usually is referred to as the seasonally adjusted series. It is computed as the quotient of the original series and the seasonal factors (A/S) which leaves only the product of the trend-cycle and the irregular (CI).

An analysis of these various components often can contribute substantially to our understanding of a series. This discussion and the accompanying tables will analyze and present one set of parameters commonly used in business cycle analysis for each of the primary seasonally adjusted establishment-based series. The method, which was developed by Julius Shiskin,² shall be outlined here briefly. The average percent change from one month to the next, without regard for sign, was computed for each component of the series. The first four columns in the accompanying tables give this average percent change for the seasonal factor (\bar{S}), the seasonally adjusted series (\bar{CI}), the irregular (\bar{I}) and the trend-cycle (\bar{C}). The next column contains the ratio of the average change in the irregular to the average change in the trend-cycle (\bar{I}/\bar{C}). This ratio is a measure of the smoothness of the seasonally adjusted series, since it indicates the relative effect of the irregular factor in movements of the seasonally adjusted series. When this

ratio is less than one, then the trend-cycle is said to be dominant over the irregular, because the former will then account for more than half the month-to-month variation.

In the accompanying tables a large number of series have \bar{I}/\bar{C} ratios in excess of one, which indicate the dominance of the irregular. Hence, single month movements in such series cannot be taken as indications of change in the underlying trend-cycle.³ Because the behavior of the irregular is essentially random, its average percent change over a period of several months will differ little from the average change over a single month.⁴ On the other hand, the average change of the trend-cycle will become larger over larger spans of time. As a result, if the average percent changes are computed for each component over 2-month, 3-month, and up to 6-month spans the \bar{I}/\bar{C} ratio will become smaller at each increase in the span. The monthly span at which the ratio first becomes less than one, that is, when the trend-cycle of the seasonally adjusted series becomes more dominant than the irregular, is called the months for cyclical dominance (MCD). The MCD of each series also appears in the accompanying tables. Clearly small MCD's are desirable and indicative of smooth series. The MCD can be interpreted as the number of months over which a change in the seasonally adjusted series must move in a given direction before we can be reasonably certain that the trend-cycle of that series also has moved in the given direction. The tables also contain the \bar{I}/\bar{C} ratio for the

* Of the division of Industry Employment Statistics, Office of Current Employment Analysis.

¹ A detailed discussion of this method will be found in the *BLS Seasonal Factor Method* (1966), U.S. Department of Labor, Bureau of Labor Statistics. Also see Paul Armknecht, "BLS Establishment Estimates Revised to March 1970 Benchmark Levels," *Employment and Earnings*, September 1971, for a discussion of special handling for some series.

² Julius Shiskin, *Electronic Computers and Business Indicators*, Occasional Paper 57, National Bureau for Economic Research, New York, 1957.

³ These considerations are in addition to those of statistical significance outlined in the "Technical Note" of *Employment and Earnings*.

⁴ The random nature of the irregular is theoretical. In fact, it frequently exhibits some positive auto-correlation. In such cases the value of \bar{I} may increase slightly through longer time spans.

MCD span, which offers some comparison between series with the same MCD.

The final five columns of the tables contain the average duration of run (ADR) for the component series and the MCD moving average. The ADR represents the average number of months during which a series moves in the same direction as the previous month; "no change" is assumed to be in the same direction. The expected value of the ADR for an infinite random series is 1.5, and for a series of 180 observations the probability is about 95 percent that it will fall between 1.38 and 1.67.⁵ This statistic is another measure of the smoothness of a time series and also of its random qualities. As an example, the average weekly hours for the contract construction industry may be considered. (See table 3.) The ADR for the seasonally adjusted series (1.53) is that of an essentially random series. This can, however, be broken into a random irregular and a trend-cycle with average runs of 1.46 and 5.09 months, respectively, but the first six columns indicate that even after 6 months of change the random irregular still dominates the series.

The period covered by these data is January 1956 through May 1971, except for those series which have later beginning dates and the average hourly earnings for mining, construction, and manufacturing, which begin in 1947.

Five of the series analyzed here also are published in *Business Conditions Digest* (BCD) by the U.S. Department of Commerce, Bureau of the Census. The variability statistics for these series are published in appendix A of that periodical. The two sets of statistics may differ due to a number of factors: (1) The BCD data are based on the Census X-11 seasonal adjustment program, and the tables accompanying this article are based on the BLS method used to adjust the series as they are published. (2) The all employees on total nonagricultural payrolls seasonally adjusted series is derived by summing the component industries seasonally adjusted, as are production workers and all employees series for total private, manufacturing, wholesale and retail trade, and government. The statistics for such aggregated series in this presentation were derived by summing the original, seasonally adjusted, and trend-cycle series from all component industries and calculating the implicit irregulars and seasonal factors. (3) The BCD statistics for the manufacturing accession rate, the manufacturing layoff rate, and the manufacturing average weekly overtime hours are computed by using an additive seasonal adjustment model. The accompanying tables contain the statistics based on the multiplicative method used to adjust these series for publication.

No attempt will be made here to analyze the accompanying tables exhaustively, since their purpose is to

provide the analyst with a detailed picture of the particular series that interests him; nevertheless, a few results are of general interest. Tables 1 and 2 present the statistics for the all employees and production or nonsupervisory worker series, respectively. The average monthly change in the seasonal factor (\bar{S}) for each industry gives one measure of the seasonality of employment. The greater the seasonal variations the larger \bar{S} will be. Thus, employment in the construction, food, tobacco, and hotel industries is highly seasonal, but little seasonal variation exists in industries such as printing, chemicals, and medical and health services. A comparison of tables 1 and 2 will indicate that, without exception, the seasonality of production and nonsupervisory worker employment is greater for a given industry than the seasonality of all employee employment. This result is consistent with the theoretical conclusion that short-run changes in production usually will have little effect on the employment of supervisory and auxiliary personnel. The MCD's for the two sets of employment series indicate that, with the exception of the tobacco industry, all the series are reasonably smooth and that the highest levels of aggregation are sufficiently smooth such that a single month's movement of the seasonally adjusted series can be considered to reflect a similar movement in the trend-cycle of the series. However, a rather disturbing feature is common to most of these employment series. The ADR of the irregular component is, in a substantial majority of the cases, too large to be accepted as random and indicates the presence of some positive auto-correlation in the irregular.

The data for the average weekly hours series indicate some difficulties, since, in general, after seasonal adjustment these series remain quite erratic. (See table 3.) In fact six of the series, including contract construction, are so irregular that after a whole half year's experience of consistent movement it is still impossible to have much certainty of the direction of movement in the trend-cycle since the MCD is greater than 6. Even the much watched manufacturing average weekly hours series has an MCD of 3. In most of the series, the difficulties appear to be the result of extraordinarily weak trend-cycles, although some rather large irregulars also occur. Most of the series appear to have random irregulars. The seasonally adjusted overtime hours appear to be somewhat better behaved exhibiting stronger trend-cycles, smaller MCD's, and acceptably random irregulars. (See table 4.)

The average hourly earnings series are characterized by strong trend-cycles which have exceedingly long

⁵ For a discussion and proof see W. Allen Wallis and Geoffrey H. Moore, *A Significance Test For Time Series*, Technical Paper No. 1, National Bureau of Economic Research, New York, 1941.

ADR's and large over-the-month changes relative to the irregulars. (See table 5.) In most cases the trend-cycle component averages were larger for over-the-month changes than those contained in either the seasonal factor or the irregular. As a matter of fact, the average monthly change of the original series (SCI) for the total private average hourly earnings series is 0.50. In table 5, the average change of the trend-cycle is 0.37 a month; consequently, on the average, about 74 percent of the total movement in the unadjusted series over time is due to the changes in the trend-cycle. The unusually long ADR's for the trend-cycles are clear evidence of the fact that they are composed almost exclusively of the long-term trend element. The weekly earnings series exhibit somewhat greater seasonality and irregularity due to the effect of the weekly hours series and, in two cases, the Consumer Price Index series. (See table 6.)

The labor turnover rate series show substantial seasonality and during a 1-month span all the seasonally adjusted series are dominated by their irregular. (See table 7.) Two series—the new hire rate and the quit rate—are fairly smooth, however; both possess MCD's of 2. The total accessions and layoffs series, frequently used as economic indicators, show considerably greater irregularity and possess MCD's of 4 and 3 respectively. As a group, these series have been more successfully broken into their component parts; all ADR's of the irregular series fall within the acceptance range for randomness.

The accompanying tables present the measures of variability discussed for more than one hundred series. A thorough analysis of each of them would be a lengthy task, but the data presented should be of assistance to the serious user of the seasonally adjusted data from the establishment surveys.

Table 1. Measures of variability of series: All employees on nonagricultural payrolls, by industry division and groups

Industry division and group	\bar{S}	\bar{CI}	\bar{I}	\bar{C}	\bar{I}/\bar{C}	MCD	\bar{I}/\bar{C} for MCD span	Average duration of run (ADR)				
								S	CI	I	C	MCD
TOTAL	0.65	0.30	0.15	0.24	0.62	1	0.62	2.17	5.24	2.09	25.43	5.24
TOTAL PRIVATE .....	.71	.32	.18	.25	.71	1	.71	2.17	3.96	2.05	25.43	3.96
GOODS-PRODUCING ...	.95	.49	.32	.31	1.01	2	.63	3.96	3.36	1.76	13.69	5.56
MINING .....	.89	.82	.71	.30	2.39	4	.81	3.42	2.31	1.66	11.13	5.24
CONTRACT CONSTRUCTION	4.21	1.05	.96	.37	2.55	3	.92	5.93	1.93	1.82	9.89	3.87
MANUFACTURING .....	.57	.48	.28	.33	.87	1	.87	2.58	3.36	1.85	19.78	3.36
DURABLE GOODS .....	.48	.71	.43	.46	.95	1	.95	2.62	3.96	1.93	16.18	3.96
Ordnance and accessories .....	.35	1.31	.53	1.11	.47	1	.47	2.31	8.09	2.02	17.80	8.09
Lumber and wood products	1.57	.68	.48	.40	1.22	2	.72	3.12	2.78	1.71	6.85	4.45
Furniture and fixtures .....	.76	.53	.33	.41	.81	1	.81	2.20	4.56	2.00	13.69	4.56
Stone, clay, and glass products	1.18	.66	.52	.32	1.62	3	.79	5.74	3.12	2.05	10.47	6.59
Primary metal industries .....	.48	1.68	1.25	.72	1.75	4	.90	3.07	5.09	2.23	9.37	8.09
Fabricated metal products .....	.66	.77	.57	.42	1.34	2	.86	2.83	3.24	1.93	13.69	5.24
Machinery, except electrical .....	.41	.65	.29	.55	.54	1	.54	2.41	4.05	1.82	17.80	4.05
Electrical equipment .....	.58	.72	.40	.54	.75	1	.75	2.66	3.63	1.78	11.87	3.63
Transportation equipment	1.52	1.47	1.15	.63	1.83	3	.86	2.74	3.12	1.76	11.87	6.14
Instruments and related products .....	.36	.46	.24	.39	.61	1	.61	1.96	4.94	1.70	22.25	4.94
Miscellaneous manufacturing	2.27	.61	.47	.31	1.54	2	.89	2.92	3.12	1.84	13.69	4.34
NONDURABLE GOODS .....	.85	.25	.19	.16	1.14	2	.66	2.44	2.92	1.85	16.18	5.39
Food and kindred products	2.23	.39	.36	.11	3.33	4	.91	5.93	1.82	1.70	5.93	3.07
Tobacco manufactures	5.75	1.51	1.41	.37	3.79	(¹)	(²)	3.63	2.83	1.84	5.39	(²)
Textile mill products .....	.61	.37	.22	.29	.75	1	.75	2.37	4.56	1.87	19.78	4.56
Apparel and other textile products	1.40	.49	.41	.24	1.76	2	.97	1.89	2.28	1.62	11.13	3.49
Paper and allied products .....	.54	.28	.20	.19	1.05	2	.66	2.28	3.49	2.05	12.71	5.93
Printing and publishing .....	.29	.25	.18	.16	1.14	2	.71	1.78	4.05	1.93	17.80	7.42
Chemicals and allied products .....	.37	.28	.16	.23	.70	1	.70	2.97	4.45	1.84	17.80	4.45
Petroleum and coal products .....	.74	.88	.84	.22	3.85	5	1.00	5.24	3.96	1.75	10.47	8.09
Rubber and plastics products, nec .....	.69	1.03	.73	.54	1.35	2	.90	2.66	4.24	1.89	14.83	5.74
Leather and leather products	1.07	.53	.40	.31	1.29	2	.74	1.48	3.63	1.76	9.37	5.39
SERVICE-PRODUCING ...	.77	.27	.10	.25	.39	1	.39	2.92	6.14	1.89	35.60	6.14
TRANSPORTATION AND PUBLIC UTILITIES .....	.46	.37	.28	.19	1.51	2	.88	5.24	2.78	1.93	10.47	4.56
WHOLESALE AND RETAIL TRADE	1.55	.29	.16	.22	.70	1	.70	2.97	4.14	2.09	22.25	4.14
WHOLESALE TRADE .....	.50	.25	.15	.20	.73	1	.73	2.66	4.45	1.93	17.80	4.45
RETAIL TRADE	1.99	.33	.19	.23	.81	1	.81	2.97	3.24	2.31	22.25	3.24
FINANCE, INSURANCE, AND REAL ESTATE .....	.45	.26	.10	.25	.42	1	.42	5.74	11.87	2.07	59.33	11.87
SERVICES .....	.57	.36	.11	.34	.32	1	.32	5.09	11.87	2.20	59.33	11.87
Hotels and other lodging places	4.14	.71	.61	.31	1.98	3	.87	5.74	2.44	1.84	11.87	4.81
Personal services .....	.69	.25	.19	.16	1.16	2	.63	2.73	2.63	1.61	14.20	4.44
Medical and other health services .....	.30	.56	.09	.55	.16	1	.16	2.33	154.00	2.37	154.00	154.00
Educational services	3.56	.61	.45	.37	1.23	2	.77	2.96	3.76	1.64	17.11	6.16
GOVERNMENT .....	.95	.33	.11	.32	.35	1	.35	2.97	16.18	2.14	178.00	16.18
FEDERAL .....	.39	.28	.17	.20	.85	1	.85	3.63	3.49	2.28	11.87	3.49
STATE AND LOCAL	1.35	.40	.13	.39	.34	1	.34	2.97	11.87	2.05	178.00	11.87

¹ MCD is greater than 6.
² Not calculated for MCD's greater than 6.

Table 2. Measures of variability of series: Production or nonsupervisory workers on private nonagricultural payrolls

Industry division and group	S	CI	I	C	I/C	MCD	I/C for MCD span	Average duration of run (ADR)				
								S	CI	I	C	MCD
TOTAL	0.81	0.29	0.15	0.23	0.66	1	0.66	2.17	5.20	2.00	43.33	5.20
GOODS-PRODUCING	1.24	.61	.42	.36	1.14	2	.72	3.49	2.83	1.87	13.69	5.74
MINING	1.04	1.02	.89	.37	2.43	4	.83	3.42	2.44	1.60	11.13	5.39
CONTRACT CONSTRUCTION	4.88	1.23	1.13	.41	2.78	4	.80	5.93	2.02	1.62	9.89	4.05
MANUFACTURING . . . . .	.77	.61	.38	.38	1.01	2	.68	2.47	3.24	1.87	10.47	5.39
DURABLE GOODS . . . . .	.66	.91	.59	.53	1.11	2	.77	2.70	3.36	2.07	11.87	5.56
Ordnance and accessories . . . . .	.54	1.60	.82	1.27	.64	1	.64	2.58	6.36	1.75	29.67	6.36
Lumber and wood products	1.72	.75	.53	.43	1.22	2	.71	3.24	2.78	1.71	8.48	4.05
Furniture and fixtures . . . . .	.88	.62	.40	.45	.89	1	.89	2.09	4.14	1.76	11.87	4.14
Stone, clay, and glass products	1.40	.81	.64	.38	1.70	3	.84	5.39	3.02	1.96	8.48	6.59
Primary metal industries . . . . .	.61	2.06	1.56	.84	1.86	4	.96	2.87	5.56	2.23	9.37	8.09
Fabricated metal products . . . . .	.85	.97	.75	.50	1.49	2	.99	2.83	2.83	2.02	10.47	4.81
Machinery, except electrical . . . . .	.61	.82	.44	.64	.68	1	.68	2.23	3.71	1.71	17.80	3.71
Electrical equipment . . . . .	.82	.94	.58	.66	.89	1	.89	2.66	3.63	1.76	11.87	3.63
Transportation equipment	2.20	2.06	1.74	.74	2.37	4	.80	2.58	2.66	1.87	10.47	4.94
Instruments and related products . . . . .	.56	.57	.36	.45	.79	1	.79	1.80	5.24	1.71	11.87	5.24
Miscellaneous manufacturing	2.80	.75	.59	.36	1.66	2	.95	2.92	2.58	1.68	11.87	3.79
NONDURABLE GOODS	1.07	.31	.23	.19	1.20	2	.70	2.44	2.31	1.75	11.87	5.09
Food and kindred products	3.12	.54	.49	.15	3.22	4	.90	5.56	1.75	1.78	6.59	3.07
Tobacco manufactures	6.44	1.77	1.64	.43	3.80	(¹)	(²)	3.36	2.70	1.84	5.09	(²)
Textile mill products . . . . .	.67	.40	.24	.32	.77	1	.77	2.37	4.34	1.87	19.78	4.34
Apparel and other textile products	1.51	.54	.47	.24	1.93	3	.74	1.78	2.17	1.56	9.89	5.24
Paper and allied products . . . . .	.67	.34	.25	.19	1.33	2	.81	2.47	2.87	1.93	10.47	4.68
Printing and publishing . . . . .	.44	.28	.23	.17	1.39	2	.86	1.98	3.18	1.80	9.89	4.24
Chemicals and allied products . . . . .	.50	.38	.26	.26	1.02	2	.59	2.47	3.24	1.71	16.18	5.74
Petroleum and coal products . . . . .	.99	1.18	1.13	.35	3.26	5	.92	4.24	4.45	1.75	8.48	6.36
Rubber and plastics products, nec . . . . .	.86	1.29	.97	.62	1.56	3	.83	2.74	3.71	1.82	9.89	5.93
Leather and leather products	1.20	.60	.46	.35	1.34	2	.74	1.48	3.63	1.63	10.47	5.09
SERVICE-PRODUCING . . . . .	.89	.26	.12	.24	.49	1	.49	2.95	6.84	2.20	32.50	6.84
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	.53	.38	.32	.15	2.12	3	.79	5.20	2.24	1.91	10.00	4.64
WHOLESALE AND RETAIL TRADE	1.66	.29	.16	.22	.73	1	.73	2.95	3.94	2.00	32.50	3.94
WHOLESALE TRADE . . . . .	.58	.26	.17	.19	.87	1	.87	2.51	3.63	1.89	11.87	3.63
RETAIL TRADE	2.10	.32	.20	.24	.84	1	.84	2.95	3.94	1.88	32.50	3.94
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	.54	.26	.10	.23	.44	1	.44	5.91	7.22	2.03	130.00	7.22
SERVICES . . . . .	.60	.36	.12	.35	.34	1	.34	4.81	21.67	2.20	130.00	21.67

¹ MCD is greater than 6
² Not calculated for MCD's greater than 6.

Table 3. Measures of variability of series: Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls

Industry	\bar{S}	\overline{CI}	\bar{I}	\bar{C}	\bar{I}/\bar{C}	MCD	\bar{I}/\bar{C} for MCD span	Average duration of run (ADR)				
								S	CI	I	C	MCD
TOTAL PRIVATE	0.50	0.30	0.27	0.08	3.37	4	0.89	1.86	2.36	1.76	8.67	5.00
MINING .....	.76	.87	.86	.21	4.12	5	0.90	1.56	1.80	1.56	8.90	3.79
CONTRACT CONSTRUCTION	1.63	1.54	1.50	.20	7.52	(¹)	(²)	2.31	1.53	1.46	5.09	(²)
MANUFACTURING .....	.51	.47	.43	.17	2.56	3	.93	1.51	2.17	1.52	8.90	3.56
DURABLE GOODS .....	.59	.54	.47	.18	2.68	3	.96	1.68	1.85	1.55	14.83	3.18
Ordnance and accessories .....	.52	.69	.64	.19	3.32	4	.91	2.09	1.91	1.48	7.12	3.49
Lumber and wood products .....	.85	.83	.81	.19	4.29	6	.92	2.31	1.85	1.60	7.12	4.05
Furniture and fixtures	1.10	.65	.58	.23	2.56	3	.88	1.50	2.41	1.62	8.90	3.71
Stone, clay, and glass products .....	.73	.54	.49	.17	2.82	4	.88	2.20	2.07	1.75	8.09	4.45
Primary metal industries .....	.52	.80	.63	.40	1.57	2	.97	1.56	2.78	1.80	8.09	4.14
Fabricated metal products .....	.76	.61	.57	.17	3.41	4	.86	1.78	2.07	1.63	11.87	4.45
Machinery, except electrical .....	.58	.51	.42	.21	1.95	3	.72	1.55	2.44	1.73	11.87	4.81
Electrical equipment and supplies .....	.72	.57	.55	.17	3.34	4	.82	1.65	1.98	1.44	8.48	3.87
Transportation equipment .....	.91	1.15	1.06	.29	3.66	5	.95	2.09	1.85	1.60	6.59	3.79
Instruments and related products .....	.44	.53	.49	.14	3.60	4	3.60	1.87	2.00	1.56	13.69	4.34
Miscellaneous manufacturing industries .....	.69	.59	.56	.13	4.37	6	.98	1.84	2.05	1.66	7.42	3.56
NONDURABLE GOODS .....	.45	.42	.40	.13	3.10	4	.86	1.82	2.37	1.66	11.13	4.68
Food and kindred products .....	.69	.43	.42	.07	5.75	(¹)	(²)	1.93	1.75	1.51	7.12	(²)
Tobacco manufactures	2.15	1.90	1.86	.36	5.23	(¹)	(²)	1.84	1.66	1.52	4.68	(²)
Textile mill products .....	.78	.71	.62	.26	2.40	3	.88	1.53	2.31	1.84	9.89	3.87
Apparel and other textile products .....	.73	.95	.90	.18	4.97	(¹)	(²)	1.87	1.96	1.73	1.74	(²)
Paper and allied products .....	.47	.43	.41	.14	3.02	4	.80	1.60	2.17	1.65	9.89	4.45
Printing and publishing .....	.60	.29	.29	.08	3.66	4	.93	1.62	2.51	1.76	16.18	5.56
Chemicals and allied products .....	.34	.35	.32	.08	3.84	5	.99	1.98	2.28	1.71	7.42	3.87
Petroleum and coal products .....	.91	.69	1.03	.69	1.49	3	.77	1.76	1.85	1.66	4.94	3.02
Rubber and plastics products, nec. ....	.60	.78	.71	.26	2.69	4	.77	1.82	2.31	1.87	11.13	3.87
Leather and leather products	1.37	.86	.79	.27	2.90	4	.84	2.97	2.14	1.58	8.09	3.42
TRANSPORTATION AND PUBLIC UTILITIES .....	.45	.45	.41	.06	6.66	(¹)	(²)	1.93	1.47	1.43	13.25	(²)
WHOLESALE AND RETAIL TRADE .....	.69	.19	.19	.08	2.27	3	.75	2.70	2.92	1.53	25.43	4.81
WHOLESALE TRADE .....	.38	.17	.18	.05	3.50	4	.90	1.98	2.83	1.63	13.69	5.09
RETAIL TRADE .....	.88	.24	.22	.09	2.38	3	.78	2.62	2.66	1.59	59.33	4.81
FINANCE, INSURANCE, AND REAL ESTATE .....	.20	.12	.12	.03	4.36	(¹)	(²)	1.59	3.25	2.36	21.67	(²)
SERVICES .....	.42	.17	.15	.08	1.80	3	.66	2.00	4.24	1.77	26.50	8.15

¹ MCD is greater than 6.
² Not calculated for MCD's greater than 6.

Table 4: Measures of variability of series: Average weekly overtime hours of production workers on manufacturing payrolls

Industry	\bar{S}	\overline{CI}	\bar{I}	\bar{C}	\bar{I}/\bar{C}	MCD	\bar{I}/\bar{C} for MCD span	Average duration of run (ADR)				
								S	CI	I	C	MCD
MANUFACTURING	3.57	3.19	2.57	1.50	1.72	2	0.94	1.89	3.42	1.59	16.18	4.94
DURABLE GOODS	4.22	3.90	3.18	2.00	1.59	2	.98	1.71	3.56	1.75	12.71	3.71
NONDURABLE GOODS	3.43	2.26	2.10	.95	2.20	3	.69	2.28	3.42	1.58	19.78	5.56

Table 5: Measures of variability of series: Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls

Industry	\bar{S}	\overline{CI}	\bar{I}	\bar{C}	\bar{I}/\bar{C}	MCD	\bar{I}/\bar{C} for MCD span	Average duration of run (ADR)				
								S	CI	I	C	MCD
TOTAL PRIVATE ..	0.35	0.41	0.21	0.37	0.57	1	0.57	2.00	10.00	1.78	130.00	10.00
MINING ..	0.40	0.76	0.63	0.42	1.48	2	0.81	1.99	2.49	1.64	16.82	4.27
CONTRACT CONSTRUCTION ..	0.39	0.58	0.40	0.45	0.87	1	0.87	2.89	5.20	1.67	286.00	5.20
MANUFACTURING	0.29	0.47	0.31	0.38	0.81	1	0.81	2.09	8.67	1.71	95.33	8.67
TRANSPORTATION AND PUBLIC UTILITIES	0.31	0.50	0.42	0.57	0.74	1	0.74	2.36	9.64	1.89	15.14	9.64
WHOLESALE AND RETAIL TRADE ..	0.49	0.45	0.21	0.41	0.51	1	0.51	2.07	10.73	1.69	118.00	10.73
FINANCE, INSURANCE, AND REAL ESTATE	0.26	0.45	0.22	0.40	0.54	1	0.54	2.00	13.11	1.66	118.00	13.11
SERVICES	0.29	0.56	0.24	0.54	0.44	1	0.44	1.74	15.14	1.74	106.00	15.14

Table 6: Measures of variability of series: Gross and spendable average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and 1967 dollars

Industry	\bar{S}	\overline{CI}	\bar{I}	\bar{C}	\bar{I}/\bar{C}	MCD	\bar{I}/\bar{C} for MCD span	Average duration of run (ADR)				
								S	CI	I	C	MCD
TOTAL PRIVATE:												
Current dollars	0.45	0.49	0.40	0.33	1.20	2	0.65	2.03	2.45	1.69	26.00	5.65
1967 dollars	0.40	0.42	0.40	0.14	2.77	3	0.95	2.10	1.78	1.65	5.00	3.10
Real spendable earnings (worker and 3 dependents, 1967 dollars)	0.23	0.34	0.30	0.14	2.17	3	0.83	2.41	2.10	1.91	6.50	3.61

Table 7: Measures of variability of series: Labor turnover rates in manufacturing

Item	\bar{S}	\overline{CI}	\bar{I}	\bar{C}	\bar{I}/\bar{C}	MCD	\bar{I}/\bar{C} for MCD span	Average duration of run (ADR)				
								S	CI	I	C	MCD
Total accessions	16.61	4.18	3.72	1.16	3.21	4	0.89	1.98	1.87	1.58	13.69	3.18
New hires	19.24	4.27	3.48	2.14	1.63	2	.94	1.98	3.07	1.58	13.69	4.81
Total separations	8.72	4.11	3.85	1.19	3.23	4	.98	2.00	2.02	1.56	8.48	3.36
Quits	18.02	3.87	3.41	1.86	1.83	2	.84	2.47	3.42	1.38	19.78	4.81
Layoffs	12.87	8.09	6.94	2.62	2.65	3	.98	2.25	2.23	1.56	11.87	4.94

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¹ Included in February, May, August, and November issues.

A-1: Employment status of the noninstitutional population, 1929 to date

(In thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force		
								Not seasonally adjusted	Seasonally adjusted		
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)	54,930	(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	55,840	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	57,039	7,891	49,148	2,311	3.9	-	42,477
1948.....	104,527	62,080	59.4	60,621	58,344	7,629	50,713	2,276	3.8	-	42,447
1949.....	105,611	62,903	59.6	61,286	57,649	7,656	49,990	3,637	5.9	-	42,708
1950.....	106,645	63,858	59.9	62,208	58,920	7,160	51,760	3,288	5.3	-	42,787
1951.....	107,721	65,117	60.4	62,017	59,962	6,726	53,239	2,055	3.3	-	42,604
1952.....	108,823	65,730	60.4	62,138	60,254	6,501	53,753	1,883	3.0	-	43,093
1953.....	110,601	66,560	60.2	63,015	61,181	6,261	54,922	1,834	2.9	-	44,041
1954.....	111,671	66,993	60.0	63,643	60,110	6,206	53,903	3,532	5.5	-	44,678
1955.....	112,732	68,072	60.4	65,023	62,171	6,449	54,724	2,852	4.4	-	44,660
1956.....	113,811	69,409	61.0	66,552	63,802	6,283	57,517	2,750	4.1	-	44,404
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	5,563	59,065	3,740	5.5	-	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,832	5.5	-	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	-	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	-	54,280
1970: November.....	141,091	86,386	61.2	83,347	78,740	3,226	75,514	4,607	5.5	5.9	54,705
1971: March.....	141,885	85,598	60.3	82,668	77,493	3,042	74,452	5,175	6.3	6.0	56,286
April.....	142,088	85,780	60.4	82,898	78,204	3,505	74,699	4,694	5.7	6.1	56,308
May.....	142,285	85,954	60.4	83,104	78,709	3,598	75,111	4,394	5.3	6.2	56,331
June.....	142,482	87,784	61.6	84,968	79,478	3,920	75,539	5,490	6.5	5.6	54,698
July.....	142,685	88,808	62.2	86,011	80,681	3,971	76,710	5,330	6.2	5.8	53,877
August.....	142,886	88,453	61.9	85,678	80,618	3,764	76,853	5,061	5.9	6.1	54,433
September.....	143,104	86,884	60.7	84,135	79,295	3,444	75,851	4,840	5.8	6.0	56,220
October.....	143,321	87,352	60.9	84,635	80,065	3,470	76,595	4,570	5.4	5.8	55,968
November.....	143,517	87,715	61.1	85,019	80,204	3,262	76,942	4,815	5.7	6.0	55,802

¹Not available.

A-2: Employment status of the noninstitutional population 16 years and over by sex, 1947 to date

(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		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	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	5.3	-	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
1970: November.....	67,824	54,068	79.7	51,068	48,634	2,664	45,970	2,434	4.8	5.2	13,756
1971: June.....	68,456	55,920	81.7	53,145	50,173	3,122	47,050	2,972	5.6	5.1	12,536
July.....	68,549	56,730	82.8	53,973	51,066	3,171	47,894	2,908	5.4	5.2	11,820
August.....	68,647	56,307	82.0	53,572	50,905	3,064	47,842	2,667	5.0	5.5	12,340
September.....	68,748	54,609	79.4	51,900	49,476	2,806	46,670	2,424	4.7	5.5	14,138
October.....	68,848	54,604	79.3	51,926	49,535	2,821	46,714	2,391	4.6	5.3	14,244
November.....	68,938	54,643	79.3	51,988	49,408	2,691	46,717	2,580	5.0	5.4	14,295
FEMALE											
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	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	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	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	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
1970: November.....	73,267	32,318	44.1	32,279	30,106	562	29,544	2,173	6.7	7.0	40,949
1971: June.....	74,026	31,864	43.0	31,823	29,306	797	28,508	2,518	7.9	6.5	42,162
July.....	74,136	32,078	43.3	32,038	29,616	800	28,816	2,422	7.6	6.9	42,058
August.....	74,240	32,146	43.3	32,106	29,712	700	29,012	2,394	7.5	7.0	42,093
September.....	74,356	32,275	43.4	32,235	29,819	638	29,181	2,416	7.5	6.8	42,082
October.....	74,472	32,749	44.0	32,709	30,530	649	29,881	2,179	6.7	6.6	41,724
November.....	74,579	33,072	44.3	33,031	30,796	571	30,225	2,235	6.8	7.0	41,508

A - 3: Employment status of the noninstitutional population by sex, age, and color

November 1971
(In thousands)

Sex, age, and color	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					
MALE											
16 years and over	54,643	79.3	51,988	49,408	2,580	5.0	14,295	272	4,657	1,658	7,707
16 to 21 years	7,115	62.4	6,123	5,196	927	15.1	4,280	21	3,911	47	302
16 to 19 years	4,304	55.1	3,975	3,318	657	16.5	3,507	14	3,274	22	198
16 and 17 years	1,762	44.0	1,728	1,403	325	18.8	2,239	8	2,151	6	74
18 and 19 years	2,542	66.7	2,247	1,915	332	14.8	1,268	6	1,123	16	124
20 to 64 years	48,282	91.3	45,955	44,105	1,850	4.0	4,611	94	1,383	1,095	2,038
20 to 24 years	7,525	84.2	6,214	5,604	609	9.8	1,407	15	1,103	52	237
25 to 54 years	33,593	95.4	32,580	31,544	1,037	3.2	1,626	40	279	555	752
25 to 29 years	6,796	94.8	6,438	6,131	308	4.8	373	7	202	40	124
30 to 34 years	5,670	97.4	5,420	5,235	185	3.4	151	9	33	39	70
35 to 39 years	5,204	97.0	4,966	4,824	142	2.9	161	8	15	61	76
40 to 44 years	5,450	96.5	5,340	5,199	141	2.6	196	3	13	78	102
45 to 49 years	5,522	94.5	5,482	5,368	114	2.1	321	9	7	145	160
50 to 54 years	4,953	92.1	4,935	4,788	147	3.0	424	3	9	192	220
55 to 64 years	7,163	81.9	7,160	6,956	203	2.8	1,578	39	2	488	1,050
55 to 59 years	4,217	88.3	4,214	4,114	100	2.4	559	21	2	236	301
60 to 64 years	2,947	74.3	2,946	2,843	104	3.5	1,018	18	--	252	749
65 years and over	2,058	25.0	2,058	1,985	73	3.5	6,177	165	--	541	5,471
65 to 69 years	1,204	38.4	1,204	1,149	54	4.5	1,929	41	--	158	1,730
70 years and over	855	16.8	855	836	19	2.2	4,248	124	--	383	3,741
White											
16 years and over	49,124	79.8	46,777	44,631	2,146	4.6	12,455	222	3,949	1,314	6,970
16 to 21 years	6,309	63.9	5,435	4,663	773	14.2	3,564	11	3,283	36	234
16 to 19 years	3,848	56.9	3,559	3,010	549	15.4	2,910	7	2,732	18	153
16 and 17 years	1,607	46.5	1,577	1,304	273	17.3	1,845	4	1,784	3	54
18 and 19 years	2,241	67.8	1,982	1,706	276	13.9	1,065	2	948	15	100
20 to 64 years	43,372	91.7	41,314	39,783	1,533	3.7	3,913	70	1,216	873	1,753
20 to 24 years	6,606	84.5	5,437	4,929	508	9.3	1,211	10	970	43	188
25 to 54 years	30,218	95.9	29,333	28,486	847	2.9	1,289	29	246	425	590
25 to 34 years	11,094	96.3	10,564	10,183	381	3.6	431	6	213	62	150
35 to 44 years	9,579	97.4	9,277	9,041	237	2.5	259	13	17	103	126
45 to 54 years	9,545	94.1	9,492	9,263	229	2.4	599	10	15	260	314
55 to 64 years	6,548	82.2	6,545	6,367	178	2.7	1,413	30	2	406	974
55 to 59 years	3,847	88.6	3,844	3,753	91	2.4	495	16	2	201	275
60 to 64 years	2,701	74.6	2,701	2,614	87	3.2	918	14	--	205	699
65 years and over	1,904	25.3	1,904	1,839	64	3.4	5,632	146	--	423	5,063
Negro and other races											
16 years and over	5,519	75.0	5,211	4,777	434	8.3	1,839	50	708	344	737
16 to 21 years	807	53.0	688	533	155	22.5	717	10	628	11	68
16 to 19 years	456	43.3	416	308	108	26.0	597	7	541	4	44
16 and 17 years	155	28.2	151	99	52	34.4	394	4	367	3	21
18 and 19 years	301	59.7	265	209	56	21.2	203	3	175	1	24
20 to 64 years	4,909	87.5	4,639	4,322	317	6.8	698	24	167	222	285
20 to 24 years	919	82.4	777	676	101	13.0	196	5	134	10	48
25 to 54 years	3,375	90.9	3,248	3,058	190	5.8	338	11	34	131	162
25 to 34 years	1,371	93.7	1,295	1,183	111	8.6	93	10	22	17	44
35 to 44 years	1,075	91.6	1,028	982	47	4.6	98	--	11	37	52
45 to 54 years	930	86.4	925	893	32	3.5	146	2	1	77	66
55 to 64 years	615	78.9	615	589	26	4.2	164	8	--	81	75
55 to 59 years	370	85.2	370	361	9	2.3	64	5	--	34	25
60 to 64 years	245	71.0	245	228	17	7.0	100	4	--	47	50
65 years and over	155	22.1	155	146	9	5.5	545	19	--	118	408

A-3: Employment status of the noninstitutional population by sex, age, and color--Continued
November 1971
(In thousands)

Sex, age, and color	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					
FEMALE											
16 years and over	33,072	44.3	33,031	30,796	2,235	6.8	41,508	34,851	4,438	845	1,374
16 to 21 years	5,377	48.0	5,358	4,559	799	14.9	5,817	1,618	4,011	18	170
16 to 19 years	3,278	42.8	3,269	2,682	587	18.0	4,377	782	3,455	9	132
16 and 17 years	1,343	34.4	1,343	1,079	265	19.7	2,565	200	2,314	3	48
18 and 19 years	1,934	51.6	1,925	1,603	322	16.7	1,812	582	1,140	6	84
20 to 64 years	28,711	51.6	28,679	27,081	1,598	5.6	26,955	25,056	972	289	637
20 to 24 years	5,215	58.8	5,195	4,721	474	9.1	3,650	2,793	745	24	87
25 to 54 years	19,148	51.9	19,136	18,162	975	5.1	17,768	17,056	215	139	257
25 to 29 years	3,528	48.6	3,523	3,254	270	7.7	3,736	3,553	92	16	74
30 to 34 years	2,779	46.3	2,776	2,603	174	6.3	3,222	3,124	34	8	56
35 to 39 years	2,814	50.6	2,812	2,676	136	4.9	2,751	2,637	38	23	54
40 to 44 years	3,275	55.1	3,273	3,126	147	4.5	2,669	2,575	24	26	43
45 to 49 years	3,501	55.8	3,500	3,357	143	4.1	2,777	2,674	20	26	57
50 to 54 years	3,252	55.5	3,252	3,147	105	3.2	2,612	2,493	6	40	73
55 to 64 years	4,347	44.0	4,347	4,198	149	3.4	5,538	5,207	12	127	192
55 to 59 years	2,645	49.9	2,645	2,555	89	3.4	2,654	2,505	6	66	77
60 to 64 years	1,703	37.1	1,703	1,642	60	3.5	2,884	2,702	6	60	115
65 years and over	1,083	9.6	1,083	1,033	50	4.6	10,175	9,013	11	546	605
65 to 69 years	665	17.4	665	630	35	5.3	3,151	2,966	3	59	123
70 years and over	418	5.6	418	404	15	3.5	7,024	6,048	8	486	482
White											
16 years and over	28,906	43.7	28,870	27,034	1,837	6.4	37,234	31,725	3,685	660	1,164
16 to 21 years	4,832	50.2	4,816	4,170	646	13.4	4,785	1,317	3,326	13	129
16 to 19 years	2,969	45.2	2,962	2,477	485	16.4	3,602	621	2,874	6	101
16 and 17 years	1,239	37.0	1,239	1,013	226	18.2	2,109	159	1,907	3	40
18 and 19 years	1,730	53.7	1,723	1,464	260	15.1	1,493	461	967	3	62
20 to 64 years	24,973	50.8	24,945	23,637	1,306	5.2	24,226	22,680	800	207	537
20 to 24 years	4,575	59.6	4,558	4,191	367	8.1	3,108	2,409	610	19	69
25 to 54 years	16,489	50.7	16,478	15,682	796	4.8	16,060	15,482	180	200	299
25 to 34 years	5,305	45.7	5,299	4,957	342	6.5	6,302	6,076	101	19	105
35 to 44 years	5,201	51.6	5,198	4,967	231	4.4	4,881	4,711	57	31	81
45 to 54 years	5,983	55.1	5,982	5,758	224	3.7	4,878	4,694	22	49	113
55 to 64 years	3,908	43.6	3,908	3,765	143	3.7	5,058	4,789	10	90	169
55 to 59 years	2,367	49.5	2,367	2,280	87	3.7	2,419	2,298	6	46	68
60 to 64 years	1,541	36.9	1,541	1,485	56	3.7	2,639	2,490	4	44	101
65 years and over	964	9.3	964	920	45	4.6	9,405	8,424	11	446	525
Negro and other races											
16 years and over	4,165	49.4	4,160	3,762	399	9.6	4,274	3,126	753	185	210
16 to 21 years	545	34.6	542	389	153	28.3	1,032	301	685	5	41
16 to 19 years	308	28.4	307	205	102	33.1	775	161	581	3	31
16 and 17 years	105	18.7	105	66	39	37.4	456	40	408	--	8
18 and 19 years	204	39.0	202	140	62	30.9	319	121	173	3	22
20 to 64 years	3,738	57.8	3,735	3,444	292	7.8	2,729	2,376	172	82	99
20 to 24 years	640	54.1	637	530	107	16.8	542	384	135	5	18
25 to 54 years	2,659	60.9	2,658	2,481	179	6.7	1,707	1,575	35	40	58
25 to 34 years	1,002	60.4	1,001	899	102	10.2	657	601	25	6	25
35 to 44 years	888	62.2	887	835	52	5.9	539	501	6	17	16
45 to 54 years	770	60.1	770	746	24	3.1	511	473	4	17	17
55 to 64 years	439	47.7	439	433	6	1.4	480	418	2	37	24
55 to 59 years	278	54.1	278	275	2	.9	236	206	--	20	9
60 to 64 years	161	39.7	161	157	4	2.3	245	212	2	17	14
65 years and over	119	13.4	119	113	5	4.6	770	589	--	100	81

A - 4: Labor force by sex, age, and color

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
MALE								
16 years and over	54,643	54,068	79.3	79.7	51,988	51,068	78.4	78.8
16 to 19 years	4,304	4,097	55.1	53.8	3,975	3,733	53.1	51.5
16 and 17 years	1,762	1,648	44.0	42.1	1,728	1,618	43.6	41.7
18 and 19 years	2,542	2,449	66.7	66.3	2,247	2,116	63.9	62.9
20 to 24 years	7,525	7,397	84.2	85.4	6,214	5,822	81.5	82.1
25 to 54 years	33,593	33,343	95.4	95.9	32,580	32,286	95.2	95.7
25 to 34 years	12,465	12,082	96.0	96.5	11,858	11,442	95.8	96.3
35 to 44 years	10,654	10,761	96.8	96.8	10,306	10,409	96.7	96.7
45 to 54 years	10,475	10,500	93.4	94.1	10,417	10,435	93.3	94.1
55 to 64 years	7,163	7,116	81.9	82.4	7,160	7,112	81.9	82.4
55 to 59 years	4,217	4,238	88.3	89.5	4,214	4,235	88.3	89.5
60 to 64 years	2,947	2,877	74.3	73.9	2,946	2,877	74.3	73.9
65 years and over	2,058	2,116	25.0	26.0	2,058	2,116	25.0	26.0
White								
16 years and over	49,124	48,606	79.8	80.1	46,777	45,934	79.0	79.2
16 to 19 years	3,848	3,663	56.9	55.5	3,559	3,338	55.0	53.2
16 and 17 years	1,607	1,495	46.5	44.2	1,577	1,467	46.1	43.7
18 and 19 years	2,241	2,168	67.8	67.5	1,982	1,871	65.0	64.2
20 to 24 years	6,606	6,510	84.5	85.5	5,437	5,097	81.8	82.2
25 to 54 years	30,218	29,994	95.9	96.3	29,333	29,063	95.8	96.2
25 to 34 years	11,094	10,760	96.3	96.8	10,564	10,199	96.1	96.7
35 to 44 years	9,579	9,676	97.4	97.3	9,277	9,367	97.3	97.2
45 to 54 years	9,545	9,558	94.1	94.7	9,492	9,497	94.1	94.7
55 to 64 years	6,548	6,493	82.2	82.6	6,545	6,489	82.2	82.6
55 to 59 years	3,847	3,874	88.6	90.0	3,844	3,871	88.6	90.0
60 to 64 years	2,701	2,619	74.6	73.6	2,701	2,618	74.6	73.6
65 years and over	1,904	1,946	25.3	26.1	1,904	1,946	25.3	26.1
Negro and other races								
16 years and over	5,519	5,462	75.0	76.2	5,211	5,134	73.9	75.0
16 to 19 years	456	434	43.3	42.8	416	395	41.1	40.5
16 and 17 years	155	153	28.2	28.9	151	150	27.8	28.5
18 and 19 years	301	281	59.7	58.0	265	246	56.6	54.6
20 to 24 years	919	887	82.4	84.1	777	725	79.8	81.2
25 to 54 years	3,375	3,349	90.9	92.0	3,248	3,222	90.6	91.7
25 to 34 years	1,371	1,321	93.7	94.1	1,295	1,243	93.3	93.7
35 to 44 years	1,075	1,085	91.6	92.6	1,028	1,041	91.3	92.3
45 to 54 years	930	942	86.4	88.5	925	937	86.3	88.4
55 to 64 years	615	623	78.9	80.6	615	623	78.9	80.6
55 to 59 years	370	364	85.2	84.0	370	364	85.2	84.0
60 to 64 years	245	259	71.0	76.3	245	259	71.0	76.3
65 years and over	155	170	22.1	24.6	155	170	22.1	24.6

A- 4: Labor force by sex, age, and color--Continued

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
FEMALE								
16 years and over	33,072	32,318	44.3	44.1	33,031	32,279	44.3	44.1
16 to 19 years	3,278	3,230	42.8	43.3	3,269	3,222	42.7	43.2
16 and 17 years	1,343	1,291	34.4	33.7	1,343	1,291	34.4	33.7
18 and 19 years	1,934	1,939	51.6	53.4	1,925	1,931	51.5	53.3
20 to 24 years	5,215	5,013	58.8	58.2	5,195	4,995	58.7	58.1
25 to 54 years	19,148	18,761	51.9	51.4	19,136	18,749	51.9	51.4
25 to 34 years	6,307	5,949	47.5	46.5	6,300	5,942	47.5	46.5
35 to 44 years	6,088	6,100	52.9	52.4	6,085	6,096	52.9	52.4
45 to 54 years	6,753	6,712	55.6	55.7	6,752	6,710	55.6	55.7
55 to 64 years	4,347	4,230	44.0	43.5	4,347	4,230	44.0	43.5
55 to 59 years	2,645	2,573	49.9	49.2	2,645	2,573	49.9	49.2
60 to 64 years	1,703	1,657	37.1	37.0	1,703	1,657	37.1	37.0
65 years and over	1,083	1,083	9.6	9.8	1,083	1,083	9.6	9.8
White								
16 years and over	28,906	28,239	43.7	43.4	28,870	28,203	43.7	43.4
16 to 19 years	2,969	2,866	45.2	44.7	2,962	2,858	45.1	44.6
16 and 17 years	1,239	1,164	37.0	35.4	1,239	1,164	37.0	35.4
18 and 19 years	1,730	1,702	53.7	54.5	1,723	1,694	53.6	54.3
20 to 24 years	4,575	4,366	59.6	58.3	4,558	4,350	59.5	58.2
25 to 54 years	16,489	16,220	50.7	50.4	16,478	16,209	50.6	50.4
25 to 34 years	5,305	5,018	45.7	44.8	5,299	5,012	45.7	44.8
35 to 44 years	5,201	5,250	51.6	51.5	5,198	5,247	51.6	51.4
45 to 54 years	5,983	5,952	55.1	55.1	5,982	5,950	55.1	55.1
55 to 64 years	3,908	3,814	43.6	43.3	3,908	3,814	43.6	43.3
55 to 59 years	2,367	2,316	49.5	49.0	2,367	2,316	49.5	49.0
60 to 64 years	1,541	1,498	36.9	36.6	1,541	1,498	36.9	36.6
65 years and over	964	972	9.3	9.6	964	972	9.3	9.6
Negro and other races								
16 years and over	4,165	4,079	49.4	49.7	4,160	4,075	49.3	49.7
16 to 19 years	308	364	28.4	34.8	307	363	28.4	34.8
16 and 17 years	105	127	18.7	23.4	105	127	18.7	23.4
18 and 19 years	204	238	39.0	47.2	202	236	38.8	47.1
20 to 24 years	640	647	54.1	57.8	637	645	54.0	57.7
25 to 54 years	2,659	2,541	60.9	59.4	2,658	2,540	60.9	59.3
25 to 34 years	1,002	931	60.4	58.3	1,001	931	60.4	58.3
35 to 44 years	888	849	62.2	59.5	887	849	62.2	59.5
45 to 54 years	770	760	60.1	60.5	770	760	60.1	60.5
55 to 64 years	439	416	47.7	46.4	439	416	47.7	46.4
55 to 59 years	278	257	54.1	50.9	278	257	54.1	50.9
60 to 64 years	161	159	39.7	40.6	161	159	39.7	40.6
65 years and over	119	111	13.4	12.8	119	111	13.4	12.8

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex
November 1971
(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	22,590	11,395	11,194	19,489	9,872	9,617	3,100	1,523	1,577
Total labor force	12,493	7,115	5,377	11,141	6,309	4,832	1,352	807	545
Percent of population	55.3	62.4	48.0	57.2	63.9	50.2	43.6	53.0	34.6
Civilian labor force	11,481	6,123	5,358	10,251	5,435	4,816	1,230	688	542
Employed	9,755	5,196	4,559	8,833	4,663	4,170	922	533	389
Agriculture	377	324	53	355	302	53	22	21	--
Nonagricultural industries	9,378	4,872	4,506	8,477	4,360	4,117	901	512	389
Unemployed	1,727	927	799	1,419	773	646	308	155	153
Percent of labor force	15.0	15.1	14.9	13.8	14.2	13.4	25.0	22.5	28.3
Looking for full-time work	960	529	431	767	429	338	193	101	93
Looking for part-time work	766	398	368	652	344	308	115	54	61
Not in labor force	10,097	4,280	5,817	8,348	3,564	4,785	1,749	717	1,032
Major activity: going to school									
Civilian labor force	3,626	2,001	1,625	3,339	1,838	1,501	287	163	124
Employed	2,924	1,610	1,314	2,740	1,504	1,236	184	106	78
Agriculture	150	133	17	146	128	18	4	5	--
Nonagricultural industries	2,774	1,477	1,297	2,594	1,376	1,218	180	101	79
Unemployed	702	391	311	599	334	265	102	57	45
Percent of labor force	19.4	19.5	19.1	18.0	18.2	17.7	35.7	34.9	36.7
Looking for full-time work	47	33	14	38	26	12	9	6	3
Looking for part-time work	654	358	296	561	308	253	93	50	43
Not in labor force	7,922	3,911	4,011	6,609	3,283	3,326	1,313	628	685
Major activity: other									
Civilian labor force	7,856	4,123	3,733	6,912	3,598	3,314	944	525	418
Employed	6,831	3,586	3,244	6,093	3,159	2,934	738	427	311
Agriculture	226	191	36	209	175	35	17	16	1
Nonagricultural industries	6,604	3,395	3,209	5,884	2,985	2,899	720	411	310
Unemployed	1,025	537	488	819	438	381	206	98	108
Percent of labor force	13.0	13.0	13.1	11.9	12.2	11.5	21.8	18.7	25.8
Looking for full-time work	913	496	416	728	402	326	184	94	90
Looking for part-time work	112	40	72	91	36	54	22	4	18
Not in labor force	2,175	369	1,806	1,740	281	1,459	436	89	347

A- 6: Employment status of the noninstitutional population 16 years and over by sex, age, and color
(In thousands)

Employment status and color	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16-19 years	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
	Total							
Total noninstitutional population	143,517	141,091	61,127	60,213	66,924	65,808	15,466	15,070
Total labor force	87,715	86,386	50,340	49,971	29,794	29,088	7,581	7,327
Percent of population	61.1	61.2	82.4	83.0	44.5	44.2	49.0	48.6
Civilian labor force	85,019	83,347	48,013	47,335	29,762	29,057	7,244	6,955
Employed	80,204	78,740	46,090	45,520	28,114	27,500	6,000	5,720
Agriculture	3,262	3,226	2,440	2,418	529	523	293	285
Nonagricultural industries	76,942	75,514	43,650	43,102	27,584	26,977	5,707	5,435
Unemployed	4,815	4,607	1,923	1,815	1,648	1,557	1,244	1,235
Percent of labor force	5.7	5.5	4.0	3.8	5.5	5.4	17.2	17.8
Not in labor force	55,802	54,705	10,788	10,242	37,130	36,721	7,884	7,742
White								
Total noninstitutional population	127,719	125,710	54,821	54,056	59,568	58,645	13,330	13,010
Total labor force	78,030	76,845	45,276	44,943	25,937	25,372	6,817	6,529
Percent of population	61.1	61.1	82.6	83.1	43.5	43.3	51.1	50.2
Civilian labor force	75,648	74,137	43,218	42,596	25,909	25,345	6,521	6,196
Employed	71,665	70,319	41,622	41,045	24,557	24,061	5,486	5,213
Agriculture	2,968	2,868	2,210	2,164	483	456	275	247
Nonagricultural industries	68,697	67,451	39,411	38,880	24,074	23,605	5,211	4,966
Unemployed	3,982	3,818	1,597	1,551	1,351	1,284	1,034	983
Percent of labor force	5.3	5.1	3.7	3.6	5.2	5.1	15.9	15.9
Not in labor force	49,689	48,865	9,545	9,112	33,631	33,272	6,513	6,481
Negro and other races								
Total noninstitutional population	15,798	15,381	6,307	6,158	7,356	7,163	2,136	2,060
Total labor force	9,685	9,541	5,064	5,028	3,857	3,715	764	798
Percent of population	61.3	62.0	80.3	81.7	52.4	51.9	35.8	38.8
Civilian labor force	9,371	9,209	4,794	4,739	3,854	3,712	723	758
Employed	8,539	8,421	4,468	4,476	3,557	3,439	514	506
Agriculture	294	358	229	254	46	67	18	37
Nonagricultural industries	8,245	8,063	4,239	4,222	3,510	3,372	496	469
Unemployed	832	788	326	263	297	273	210	252
Percent of labor force	8.9	8.6	6.8	5.5	7.7	7.4	29.0	33.2
Not in labor force	6,113	5,840	1,243	1,130	3,499	3,448	1,372	1,262

A. 7: Full- and part-time status of the civilian labor force by age and sex

November 1971

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full- time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
16 years and over	71,969	65,848	2,547	3,575	5.0	13,049	11,810	1,240	9.5
16 to 21 years	6,619	5,153	507	960	14.5	4,862	4,095	766	15.8
16 to 19 years	3,258	2,333	337	588	18.1	3,986	3,330	656	16.5
16 and 17 years	543	328	79	135	24.9	2,529	2,074	455	18.0
18 and 19 years	2,715	2,004	258	453	16.7	1,457	1,256	201	13.8
20 years and over	68,712	63,515	2,210	2,987	4.3	9,063	8,479	584	6.4
20 to 24 years	9,735	8,436	416	882	9.1	1,674	1,473	201	12.0
25 years and over	58,977	55,079	1,794	2,105	3.6	7,389	7,006	383	5.2
25 to 34 years	46,821	43,756	1,333	1,733	3.7	4,896	4,617	279	5.7
35 years and over	12,155	11,324	460	372	3.1	2,493	2,389	104	4.2
MALE									
16 years and over	47,444	44,123	1,264	2,057	4.3	4,544	4,021	523	11.5
16 to 21 years	3,589	2,780	279	529	14.8	2,535	2,137	398	15.7
16 to 19 years	1,839	1,336	185	317	17.2	2,137	1,796	340	15.9
20 years and over	45,606	42,787	1,078	1,740	3.8	2,407	2,225	182	7.6
20 to 24 years	5,422	4,693	219	509	9.4	792	692	100	12.6
25 years and over	40,184	38,094	859	1,231	3.1	1,615	1,533	82	5.1
25 to 34 years	32,028	30,426	604	1,000	3.1	552	515	37	6.7
35 years and over	8,155	7,668	255	231	2.8	1,063	1,017	46	4.3
FEMALE									
16 years and over	24,525	21,724	1,283	1,518	6.2	8,506	7,789	717	8.4
16 to 21 years	3,031	2,373	227	431	14.2	2,327	1,959	368	15.8
16 to 19 years	1,419	996	151	271	19.1	1,850	1,534	315	17.1
20 years and over	23,106	20,728	1,131	1,247	5.4	6,656	6,254	402	6.0
20 to 24 years	4,313	3,743	197	373	8.6	882	781	101	11.5
25 years and over	18,793	16,985	934	874	4.7	5,774	5,473	301	5.2
25 to 34 years	14,793	13,330	731	733	5.0	4,343	4,102	241	5.5
35 years and over	4,000	3,655	204	141	3.5	1,430	1,372	59	4.1

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

A- 8: Unemployed persons by sex and age

	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total, 16 years and over	2,580	2,434	5.0	4.8	2,235	2,173	6.8	6.7
16 to 19 years	657	619	16.5	16.6	587	616	18.0	19.1
16 and 17 years	325	300	18.8	18.5	265	266	19.7	20.6
18 and 19 years	332	320	14.8	15.1	322	350	16.7	18.1
20 years and over	1,923	1,815	4.0	3.8	1,648	1,557	5.5	5.4
20 to 24 years	609	556	9.8	9.5	474	421	9.1	8.4
25 years and over	1,313	1,259	3.1	3.0	1,174	1,136	4.8	4.7
25 to 34 years	492	430	4.2	3.8	444	394	7.0	6.6
35 to 44 years	283	261	2.7	2.5	283	315	4.7	5.2
45 to 54 years	261	264	2.5	2.5	248	270	3.7	4.0
55 to 64 years	203	216	2.8	3.0	149	105	3.4	2.5
55 to 59 years	100	126	2.4	3.0	89	62	3.4	2.4
60 to 64 years	104	90	3.5	3.1	60	43	3.5	2.6
65 years and over	73	89	3.5	4.2	50	50	4.6	4.6
Household head, 16 years and over	1,337	1,274	3.1	3.0	363	330	5.1	4.9
16 to 24 years	211	218	5.8	6.3	68	71	9.1	10.0
25 to 54 years	866	771	2.9	2.6	201	185	5.0	4.9
55 years and over	260	285	2.9	3.2	93	74	4.0	3.3

A- 9: Unemployed persons by marital status, sex, age, and color

Marital status, age, and color	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total, 16 years and over	2,580	2,434	5.0	4.8	2,235	2,173	6.8	6.7
Married, spouse present	1,189	1,140	3.0	2.9	1,088	1,048	5.6	5.5
Widowed, divorced, or separated	180	163	6.0	6.0	385	345	6.2	5.8
Single (never married)	1,211	1,131	12.4	12.3	762	780	10.4	10.8
Total, 20 to 64 years of age	1,850	1,726	4.0	3.8	1,598	1,507	5.6	5.4
Married, spouse present	1,090	1,052	2.9	2.8	1,000	969	5.3	5.3
Widowed, divorced, or separated	172	144	6.3	5.9	336	288	6.1	5.5
Single (never married)	588	530	9.9	9.5	262	250	6.0	5.8
White, 16 years and over	2,146	2,064	4.6	4.5	1,837	1,754	6.4	6.2
Married, spouse present	1,018	1,013	2.8	2.8	940	922	5.4	5.4
Widowed, divorced, or separated	131	127	5.6	5.8	290	246	5.8	5.2
Single (never married)	997	925	11.7	11.5	607	586	9.4	9.2
White, 20 to 64 years of age	1,533	1,467	3.7	3.6	1,306	1,236	5.2	5.1
Married, spouse present	929	929	2.7	2.7	859	858	5.1	5.2
Widowed, divorced, or separated	125	109	6.0	5.7	247	199	5.7	4.8
Single (never married)	479	429	9.4	8.9	201	178	5.3	4.8
Negro and other races, 16 years and over	434	369	8.3	7.2	399	419	9.6	10.3
Married, spouse present	171	127	5.2	3.8	148	126	7.3	6.3
Widowed, divorced, or separated	50	36	7.6	6.4	95	99	7.7	8.3
Single (never married)	213	206	17.2	17.5	155	194	17.3	21.6
Negro and other races, 20 to 64 years of age	317	259	6.8	5.7	292	270	7.8	7.5
Married, spouse present	160	122	5.1	3.8	141	110	7.2	5.7
Widowed, divorced, or separated	48	35	7.7	6.6	89	89	7.8	8.1
Single (never married)	109	102	12.8	12.9	61	71	9.7	12.3

A-10: Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total.....	4,815	4,607	5.7	5.5	5.0	4.8	6.8	6.7
White-collar workers.....	1,378	1,369	3.4	3.4	2.3	2.4	4.6	4.5
Professional and technical.....	310	253	2.6	2.2	2.3	2.1	3.0	2.3
Managers, officials, and proprietors.....	169	140	1.9	1.6	1.8	1.5	2.5	2.3
Clerical workers.....	696	734	4.9	5.1	3.2	4.1	5.4	5.4
Sales workers.....	203	242	3.7	4.6	2.7	3.5	5.1	6.0
Blue-collar workers.....	2,009	2,011	6.8	6.8	6.4	6.1	9.0	10.0
Craftsmen and foremen.....	434	431	4.1	4.0	4.1	4.0	3.2	3.8
Carpenters and other construction craftsmen.....	185	183	5.7	6.0	5.7	5.9	(1)	(1)
All other.....	249	248	3.3	3.3	3.3	3.2	3.5	3.8
Operatives.....	1,074	1,177	7.5	7.9	6.6	6.7	9.5	10.4
Drivers and deliverymen.....	125	109	4.4	4.1	4.5	4.2	3.0	2.9
All other.....	949	1,068	8.3	8.7	7.4	7.5	9.7	10.5
Nonfarm laborers.....	501	403	11.3	10.0	11.5	9.9	8.5	13.4
Construction laborers.....	153	122	15.2	13.0	15.2	13.0	(1)	(1)
All other.....	348	281	10.2	9.1	10.3	8.9	8.3	12.8
Service workers.....	733	602	6.4	5.8	6.0	5.2	6.6	6.1
Private household.....	70	60	4.3	3.7	(1)	(1)	4.3	3.8
All other.....	664	542	6.7	6.2	6.0	5.3	7.2	6.7
Farmers and farm laborers.....	99	78	3.4	2.7	2.9	2.3	5.5	4.2
No previous work experience.....	595	547	--	--	--	--	--	--
16 to 19 years.....	483	429	--	--	--	--	--	--
20 to 24 years.....	77	68	--	--	--	--	--	--
25 years and over.....	35	50	--	--	--	--	--	--

¹Percent not shown where base is less than 100,000.

A-11: Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total.....	100.0	100.0	5.7	5.5	5.0	4.8	6.8	6.7
Private wage and salary workers.....	75.2	77.2	5.9	5.9	5.3	5.2	6.8	7.0
Mining.....	.3	.2	2.3	1.4	2.3	.9	(1)	(1)
Construction.....	7.3	7.3	8.4	8.7	8.7	8.8	3.1	6.0
Manufacturing.....	26.7	31.5	6.3	6.8	5.3	5.7	8.7	9.6
Durable goods.....	15.9	20.3	6.5	7.6	5.8	6.5	9.1	11.5
Primary metal industries.....	3.2	1.7	12.1	6.2	11.8	5.6	15.1	12.9
Fabricated metal products.....	1.6	3.2	5.2	8.7	4.9	6.5	6.4	17.0
Machinery.....	2.2	3.7	5.2	7.2	4.2	6.5	10.8	10.8
Electrical equipment.....	2.6	3.6	6.3	7.7	4.1	5.5	9.6	11.0
Motor vehicles and equipment.....	.9	1.9	3.8	7.9	3.6	7.9	5.2	7.2
All other transportation equipment.....	1.7	2.3	8.4	9.4	7.3	8.6	15.2	14.6
Other durable goods industries.....	3.8	4.0	6.2	6.9	5.7	6.0	7.5	10.0
Nondurable goods.....	10.8	11.2	6.0	5.8	4.4	4.2	8.4	8.2
Food and kindred products.....	3.2	2.1	8.2	5.2	6.3	4.6	13.2	6.9
Textile mill products.....	.9	1.3	4.3	5.6	3.7	3.9	5.1	7.4
Apparel and other finished textile products.....	2.5	3.1	8.1	9.7	5.4	10.7	8.8	9.5
Other nondurable goods industries.....	4.2	4.7	4.7	4.8	3.6	3.4	7.3	7.7
Transportation and public utilities.....	4.0	3.5	4.2	3.5	3.8	3.2	5.7	4.4
Railroads and railway express.....	.9	.3	6.9	2.4	7.0	2.8	(1)	(1)
Other transportation.....	1.7	2.1	4.1	4.9	4.2	4.8	3.1	5.8
Communication and other public utilities.....	1.4	1.0	3.5	2.4	1.7	1.4	6.8	4.3
Wholesale and retail trade.....	19.7	17.9	6.2	5.8	5.2	4.5	7.6	7.6
Finance, insurance, and real estate.....	2.6	2.5	3.2	3.1	2.4	3.1	4.0	3.1
Service industries.....	14.6	14.4	5.5	5.4	5.4	4.9	5.6	5.7
Professional services.....	5.3	4.4	3.8	3.2	3.2	2.5	4.1	3.6
All other service industries.....	9.3	10.1	7.3	7.5	7.3	6.7	7.4	8.0
Agricultural wage and salary workers.....	2.3	2.2	9.4	8.9	8.5	8.4	14.1	11.1
All other classes of workers.....	10.2	8.7	2.3	1.9	1.9	1.6	2.7	2.3
No previous work experience.....	12.4	11.9	--	--	--	--	--	--

¹Percent not shown where base is less than 100,000.

A-12: Unemployed persons by reason for unemployment, sex, age, and color

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Negro and other races	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Unemployment level												
Total unemployed, in thousands	4,815	4,607	1,923	1,815	1,648	1,557	1,244	1,235	3,982	3,818	832	788
Lost last job	2,103	2,082	1,267	1,211	601	617	235	255	1,768	1,744	335	339
Left last job	608	586	229	214	249	239	129	132	523	496	85	90
Reentered labor force	1,509	1,398	385	341	727	631	397	426	1,213	1,122	297	276
Never worked before	595	541	40	48	71	70	483	423	478	457	116	83
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
Lost last job	43.7	45.2	66.0	66.8	36.5	39.6	18.9	20.6	44.4	45.7	40.2	43.0
Left last job	12.6	12.7	11.9	11.8	15.1	15.4	10.4	10.7	13.1	13.0	10.2	11.4
Reentered labor force	31.3	30.3	20.0	18.8	44.1	40.5	31.9	34.5	30.5	29.4	35.7	35.0
Never worked before	12.4	11.7	2.1	2.6	4.3	4.5	38.8	34.2	12.0	12.0	13.9	10.5
Unemployment rate												
Total unemployment rate	5.7	5.5	4.0	3.8	5.5	5.4	17.2	17.8	5.3	5.1	8.9	8.6
Job-loser rate ¹	2.5	2.5	2.6	2.6	2.0	2.1	3.2	3.7	2.3	2.4	3.6	3.7
Job-leaver rate ¹ . . . . .	.7	.7	.5	.5	.8	.8	1.8	1.9	.7	.7	.9	1.0
Reentrant rate ¹	1.8	1.7	.8	.7	2.4	2.2	5.5	6.1	1.6	1.5	3.2	3.0
New entrant rate ¹ . . . . .	.7	.6	.1	.1	.2	.2	6.7	6.1	.6	.6	1.2	.9

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

A-13: Unemployed persons by reason for unemployment, duration, sex, and age
November 1971

(Percent distribution)

Reason, sex, and age	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	4,815	100.0	46.6	31.4	22.0	11.7	10.3
Lost last job	2,103	100.0	40.4	32.3	27.3	12.8	14.5
Left last job	608	100.0	48.4	32.9	18.8	11.5	7.2
Reentered labor force	1,509	100.0	53.1	31.6	15.4	8.4	7.0
Never worked before	595	100.0	50.4	26.6	23.0	16.3	6.7
Male, 20 years and over	1,923	100.0	39.5	32.4	28.0	13.5	14.6
Lost last job	1,267	100.0	39.1	32.2	28.7	13.5	15.2
Left last job	229	100.0	45.2	31.3	23.5	13.5	10.0
Reentered labor force	385	100.0	37.7	34.8	27.5	11.9	15.6
Never worked before	40	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,648	100.0	48.4	31.6	20.0	10.3	9.8
Lost last job	601	100.0	35.4	34.1	30.6	13.0	17.6
Left last job	249	100.0	44.2	35.7	20.1	13.7	6.4
Reentered labor force	727	100.0	59.7	28.7	11.6	7.2	4.4
Never worked before	71	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	1,244	100.0	55.1	29.7	15.1	10.9	4.3
Lost last job	235	100.0	60.0	28.5	11.5	8.9	2.6
Left last job	129	100.0	62.5	30.5	7.0	3.9	3.1
Reentered labor force	397	100.0	55.5	33.7	10.8	7.3	3.5
Never worked before	483	100.0	50.3	27.2	22.5	16.5	6.0

¹Percent not shown where base is less than 100,000.

A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total	4,815	4,607	100.0	100.0	1,700	1,604	100.0	100.0
Less than 5 weeks	2,244	2,284	46.6	49.6	705	710	41.5	44.3
5 to 14 weeks	1,513	1,603	31.4	34.8	516	577	30.4	36.0
5 to 10 weeks	1,088	1,188	22.6	25.8	397	425	23.4	26.5
11 to 14 weeks	425	415	8.8	9.0	119	152	7.0	9.5
15 weeks and over	1,058	720	22.0	15.6	479	317	28.2	19.8
15 to 26 weeks	564	437	11.7	9.5	224	162	13.2	10.1
27 weeks and over	494	283	10.3	6.1	255	155	15.0	9.7
Average (mean) duration	11.5	9.1	--	--	13.9	10.9	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status
November 1971

Sex, age, color, 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. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total	4,815	2,244	1,513	564	494	11.5	46.6	49.6	22.0	15.6
16 to 21 years	1,727	900	531	206	90	9.3	52.1	52.5	17.1	11.0
16 to 19 years	1,244	686	369	136	53	8.4	55.2	53.3	15.2	11.1
20 to 24 years	1,083	499	359	132	93	10.9	46.1	50.8	20.7	12.3
25 to 44 years	1,503	691	468	177	166	11.9	46.0	51.3	22.8	17.1
45 years and over	985	368	316	119	182	15.4	37.4	41.4	30.6	22.5
Male	2,580	1,128	817	328	306	12.6	43.7	46.2	24.6	17.0
16 to 21 years	927	468	299	117	44	9.2	50.4	48.6	17.4	12.5
16 to 19 years	657	368	194	69	26	8.0	56.0	48.9	14.5	12.4
20 to 24 years	609	247	219	82	61	11.9	40.5	50.3	23.5	12.7
25 to 44 years	775	313	250	104	108	13.9	40.4	47.8	27.4	18.2
45 years and over	538	200	154	73	111	17.1	37.1	37.6	34.2	24.7
Female	2,235	1,116	695	236	188	10.1	49.9	53.3	19.0	14.1
16 to 21 years	799	432	232	89	46	9.4	54.1	56.5	16.8	9.5
16 to 19 years	587	318	176	66	27	8.8	54.2	57.7	15.9	9.8
20 to 24 years	474	252	140	50	31	9.5	53.2	51.4	17.2	11.9
25 to 44 years	727	378	218	74	59	9.6	52.0	54.9	18.3	15.9
45 years and over	447	168	161	46	71	13.4	37.6	46.4	26.2	19.6
White: Total	3,982	1,881	1,248	462	392	11.2	47.2	50.0	21.4	15.6
Male	2,146	963	666	267	250	12.5	44.9	46.7	24.1	16.9
Female	1,837	918	582	194	143	9.7	50.0	53.9	18.4	14.1
Negro and other races: Total	832	364	265	102	102	12.7	43.7	47.4	24.5	15.7
Male	434	165	151	61	57	13.0	38.1	43.5	27.1	17.7
Female	399	198	113	42	45	12.2	49.8	50.8	21.7	14.0
Male: Married, wife present	1,189	507	361	143	177	13.6	42.7	46.3	26.9	18.8
Widowed, divorced, or separated	180	68	55	29	29	2.5	37.7	36.7	32.0	21.3
Single (never married)	1,211	553	402	156	100	11.2	45.7	47.6	21.2	14.6
Female: Married, husband present	1,088	546	360	88	94	9.5	50.2	55.2	16.8	13.2
Widowed, divorced, or separated	385	183	110	53	38	2.6	47.6	48.2	23.7	18.2
Single (never married)	762	387	225	95	56	10.4	50.8	53.0	19.7	13.5

A-16: Unemployed persons by duration, occupation, and industry of last job
November 1971

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. 1971	Nov. 1970	Nov. 1971	Nov. 1970
OCCUPATION										
White-collar workers	1,378	609	448	153	169	12.1	44.2	48.2	23.3	16.7
Professional and managerial	479	187	169	50	73	14.0	39.0	47.1	25.7	20.1
Clerical workers	696	318	228	74	76	11.1	45.7	48.8	21.6	16.2
Sales workers	203	103	51	29	19	10.6	50.9	48.3	23.8	12.9
Blue-collar workers	2,009	867	673	245	225	12.2	43.1	48.2	23.4	15.6
Craftsmen and foremen	434	183	141	47	64	13.6	42.2	48.1	25.4	17.7
Operatives	1,074	463	357	132	123	12.4	43.1	47.0	23.7	15.7
Nonfarm laborers	501	221	175	67	38	10.8	44.1	52.1	20.9	13.1
Service workers	733	396	218	61	59	9.7	54.0	54.4	16.4	13.5
INDUSTRY¹										
Agriculture	111	79	21	10	1	5.6	71.3	58.0	9.7	6.5
Construction	372	208	97	37	29	10.4	55.9	56.9	17.9	14.7
Manufacturing	1,290	461	451	181	197	14.4	35.7	44.6	29.3	18.2
Durable goods	769	227	265	132	145	16.8	29.5	39.6	36.0	19.7
Nondurable goods	521	234	186	49	52	10.9	44.9	53.8	19.4	15.4
Transportation and public utilities	203	99	65	20	19	10.9	48.9	52.3	19.3	13.9
Wholesale and retail trade	957	504	285	101	67	9.5	52.7	50.1	17.6	13.6
Finance and service industries	1,042	491	347	106	98	10.3	47.1	51.8	19.6	14.4
Public administration	141	56	56	7	22	12.0	39.9	40.8	20.4	20.8
No previous work experience	595	300	158	97	40	10.7	50.4	52.1	23.0	16.5

¹Includes wage and salary workers only.

²Percent not shown where base is less than 100,000.

A-17: Employed persons by sex and age
(In thousands)

Age and type of industry	Total		Male		Female	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
All industries	80,204	78,740	49,408	48,634	30,796	30,106
16 to 19 years	6,000	5,720	3,318	3,114	2,682	2,606
16 and 17 years	2,482	2,343	1,403	1,318	1,079	1,025
18 and 19 years	3,518	3,377	1,915	1,796	1,603	1,581
20 to 24 years	10,325	9,840	5,604	5,266	4,721	4,574
25 to 54 years	49,705	49,100	31,543	31,331	18,162	17,769
25 to 34 years	17,222	16,560	11,366	11,012	5,856	5,548
35 to 44 years	15,824	15,929	10,022	10,148	5,802	5,781
45 to 54 years	16,659	16,611	10,155	10,171	6,504	6,440
55 to 64 years	11,154	11,021	6,956	6,896	4,198	4,125
55 to 59 years	6,669	6,619	4,114	4,108	2,555	2,511
60 to 64 years	4,485	4,402	2,843	2,788	1,642	1,614
65 years and over	3,019	3,060	1,985	2,027	1,033	1,033
Nonagricultural industries	76,942	75,514	46,717	45,970	30,225	29,544
16 to 19 years	5,707	5,435	3,066	2,868	2,641	2,567
16 and 17 years	2,309	2,184	1,251	1,188	1,058	996
18 and 19 years	3,398	3,251	1,815	1,680	1,583	1,571
20 to 24 years	10,102	9,632	5,413	5,088	4,689	4,544
25 to 54 years	16,754	16,131	10,278	10,014	17,805	17,436
25 to 34 years	16,754	16,131	10,973	10,663	5,781	5,468
35 to 44 years	15,313	15,362	9,637	9,701	5,675	5,661
45 to 54 years	16,017	15,957	9,668	9,650	6,439	6,307
55 to 64 years	10,482	10,388	6,385	6,373	4,097	4,015
55 to 59 years	6,314	6,294	3,826	3,851	2,488	2,443
60 to 64 years	4,168	4,094	2,559	2,522	1,609	1,572
65 years and over	2,567	2,610	1,574	1,627	993	983
Agriculture	3,262	3,226	2,691	2,664	571	562
16 to 19 years	293	285	252	246	41	39
16 and 17 years	172	159	152	130	21	28
18 and 19 years	120	126	100	116	21	10
20 to 24 years	223	208	191	178	32	30
25 to 54 years	1,622	1,651	1,266	1,317	357	334
25 to 34 years	469	430	393	349	76	81
35 to 44 years	511	567	385	447	126	120
45 to 54 years	642	654	488	521	155	133
55 to 64 years	672	633	571	523	101	110
55 to 59 years	355	325	288	258	68	68
60 to 64 years	317	308	283	266	34	43
65 years and over	452	450	412	400	40	50

A-18: Employed persons by occupation group, sex, and age

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 16-19 years		Female, 16-19 years	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total	80,204	78,740	46,090	45,520	28,114	27,500	3,318	3,114	2,682	2,606
White-collar workers	39,202	38,457	19,904	19,476	17,262	16,890	653	631	1,383	1,459
Professional and technical	11,550	11,413	6,922	6,789	4,477	4,466	74	80	77	78
Medical and other health	1,816	1,831	669	654	1,136	1,157	2	1	9	19
Teachers, except college.....	2,948	2,623	853	816	2,064	1,799	7	1	25	7
Other professional and technical	6,786	6,960	5,400	5,320	1,277	1,511	65	78	44	52
Managers, officials, and proprietors	8,789	8,353	7,203	6,913	1,520	1,380	53	42	12	17
Salaried workers	6,592	6,127	5,455	5,128	1,073	947	52	36	11	16
Self-employed workers in retail trade.....	1,139	1,104	823	823	315	275	1	4	1	1
Self-employed workers, except retail trade	1,058	1,122	926	962	132	159	--	1	--	--
Clerical workers	13,650	13,686	3,083	3,192	9,349	9,139	264	303	954	1,052
Stenographers, typists, and secretaries.....	3,728	3,466	67	56	3,389	3,074	5	7	268	328
Other clerical workers	9,922	10,219	3,016	3,136	5,961	6,064	259	295	686	724
Sales workers.....	5,213	5,005	2,696	2,582	1,916	1,905	262	206	340	311
Retail trade.....	3,095	3,062	924	949	1,624	1,641	226	172	321	299
Other sales workers	2,119	1,943	1,772	1,632	292	264	36	34	19	12
Blue-collar workers	27,364	27,617	20,703	21,117	4,557	4,507	1,822	1,705	282	288
Craftsmen and foremen	10,286	10,244	9,613	9,656	396	329	269	245	8	14
Carpenters	982	865	947	850	3	3	31	11	--	--
Construction craftsmen, except carpenters	2,093	2,013	2,017	1,962	15	7	61	42	--	3
Mechanics and repairmen	2,430	2,771	2,309	2,615	24	38	93	117	3	1
Metal craftsmen, except mechanics	1,182	1,187	1,148	1,148	18	18	14	18	2	2
Other craftsmen and kindred workers	2,249	1,876	1,938	1,660	245	157	62	51	5	7
Foremen, not elsewhere classified	1,351	1,533	1,254	1,420	90	105	7	7	--	--
Operatives	13,157	13,747	8,199	8,674	3,963	4,068	753	753	242	252
Drivers and deliverymen	2,719	2,537	2,427	2,305	129	112	156	111	6	10
Other operatives	10,438	11,210	5,772	6,369	3,834	3,956	597	642	236	242
Durable goods manufacturing	4,573	4,415	3,080	2,956	1,260	1,248	164	157	68	56
Nondurable goods manufacturing	3,620	3,846	1,412	1,612	1,977	2,006	115	111	115	116
Other industries	2,246	2,948	1,280	1,801	595	702	318	374	53	71
Nonfarm laborers	3,921	3,626	2,890	2,786	198	110	800	707	32	21
Construction	855	811	736	709	6	3	111	100	2	--
Manufacturing	979	936	802	767	57	46	119	119	1	5
Other industries	2,087	1,878	1,352	1,311	135	62	570	489	29	17
Service workers	10,791	9,808	3,338	2,754	5,849	5,665	624	564	981	825
Private household workers	1,552	1,572	33	47	1,166	1,196	1	17	353	312
Service workers, except private household ..	9,239	8,236	3,305	2,707	4,683	4,470	623	546	628	512
Protective service workers	1,074	977	1,015	893	52	70	8	11	--	4
Waiters, cooks, and bartenders	2,360	2,253	431	423	1,472	1,435	142	130	315	265
Other service workers	5,805	5,005	1,860	1,391	3,159	2,965	473	405	313	244
Farm workers	2,847	2,860	2,146	2,173	446	438	220	215	35	34
Farmers and farm managers	1,640	1,701	1,559	1,618	75	73	6	11	-	-
Farm laborers and foremen	1,207	1,159	587	556	371	364	214	204	35	35
Paid workers	765	746	530	507	88	97	131	131	16	17
Unpaid family workers	442	407	57	48	283	268	83	73	19	18

NOTE: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month. For an explanation of the changes, see "Revisions in Occupational Classifications for 1971" in the February 1971 issue of Employment and Earnings.

HOUSEHOLD DATA

A-19: Employed persons by major occupation group, sex, and color

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total						
Total employed (thousands)	80,204	78,740	49,408	48,634	30,796	30,106
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.9	48.8	41.6	41.3	60.5	60.9
Professional and technical	14.4	14.5	14.2	14.1	14.8	15.1
Managers, officials, and proprietors	11.0	10.6	14.7	14.3	5.0	4.6
Clerical workers	17.0	17.4	6.8	7.2	33.5	33.9
Sales workers	6.5	6.4	6.0	5.7	7.3	7.4
Blue-collar workers	34.1	35.1	45.6	46.9	15.7	15.9
Craftsmen and foremen	12.8	13.0	20.0	20.4	1.3	1.1
Operatives	16.4	17.5	18.1	19.4	13.7	14.3
Nonfarm laborers	4.9	4.6	7.5	7.2	.7	.4
Service workers	13.5	12.5	8.0	6.8	22.2	21.6
Private household workers	1.9	2.0	.1	.1	4.9	5.0
Other service workers	11.5	10.5	8.0	6.7	17.2	16.5
Farm workers	3.5	3.6	4.8	4.9	1.6	1.6
Farmers and farm managers	2.0	2.2	3.2	3.3	.2	.2
Fam laborers and foremen	1.5	1.5	1.6	1.6	1.3	1.3
White						
Total employed (thousands)	71,665	70,319	44,631	43,870	27,034	26,449
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.2	51.3	43.5	43.5	63.7	64.2
Professional and technical	14.9	15.1	14.7	14.8	15.3	15.7
Managers, officials, and proprietors	11.8	11.4	15.7	15.3	5.3	5.0
Clerical workers	17.4	17.9	6.7	7.2	35.1	35.6
Sales workers	7.0	6.8	6.4	6.1	8.0	8.0
Blue-collar workers	33.4	34.2	44.3	45.4	15.5	15.6
Craftsmen and foremen	13.4	13.6	20.8	21.1	1.4	1.2
Operatives	15.7	16.7	17.1	18.3	13.4	14.0
Nonfarm laborers	4.2	4.0	6.4	6.1	.7	.4
Service workers	11.8	10.9	7.3	6.2	19.2	18.6
Private household workers	1.3	1.3	(1)	.1	3.4	3.4
Other service workers	10.5	9.5	7.3	6.1	15.8	15.2
Farm workers	3.6	3.6	4.8	4.9	1.6	1.5
Farmers and farm managers	2.2	2.3	3.4	3.5	.3	.3
Fam laborers and foremen	1.4	1.3	1.5	1.4	1.4	1.3
Negro and other races						
Total employed (thousands)	8,539	8,421	4,777	4,765	3,762	3,656
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	29.8	28.4	23.5	21.7	37.8	37.1
Professional and technical	9.9	9.2	9.0	7.9	11.1	10.9
Managers, officials, and proprietors	3.8	3.9	4.9	5.1	2.3	2.3
Clerical workers	13.6	12.9	7.3	6.6	21.6	21.2
Sales workers	2.5	2.3	2.4	2.0	2.7	2.7
Blue-collar workers	39.9	42.3	57.7	60.6	17.2	18.4
Craftsmen and foremen	7.6	8.2	12.9	13.8	1.0	1.0
Operatives	21.9	24.1	27.2	29.7	15.2	16.8
Nonfarm laborers	10.3	10.0	17.6	17.1	1.0	.7
Service workers	27.5	25.7	14.5	12.7	43.9	42.7
Private household workers	7.3	7.5	.3	.4	16.2	16.7
Other service workers	20.2	18.2	14.3	12.2	27.6	26.0
Farm workers	2.9	3.6	4.2	5.0	1.1	1.8
Farmers and farm managers .....	.7	1.1	1.3	1.9	.1	.1
Fam laborers and foremen	2.2	2.6	3.0	3.1	1.1	1.8

NOTE: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month. For an explanation of the changes see "Revisions in Occupational Classifications for 1971" in the February 1971 issue of Employment and Earnings.

A-20: Employed persons by class of worker, sex, and age

November 1971
(In thousands)

Age and sex	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	71,082	1,761	13,163	56,158	5,355	505	1,071	1,736	455
16 to 19 years.....	5,611	410	479	4,722	65	32	176	14	103
16 and 17 years.....	2,252	316	153	1,784	40	17	93	7	72
18 and 19 years.....	3,358	94	327	2,938	25	14	83	8	30
20 to 24 years.....	9,874	109	1,642	8,123	212	16	141	52	30
25 to 34 years.....	15,865	158	2,953	12,755	804	84	218	194	57
35 to 44 years.....	14,029	211	2,783	11,035	1,181	103	162	274	75
45 to 54 years.....	14,371	317	3,093	10,961	1,468	178	159	378	105
55 to 64 years.....	9,296	327	1,902	7,067	1,105	81	148	462	62
55 to 59 years.....	5,639	180	1,149	4,311	626	49	80	234	41
60 to 64 years.....	3,657	148	753	2,756	479	32	68	228	20
65 years and over.....	2,036	230	311	1,495	519	12	67	361	23
Male	42,674	177	7,074	35,424	3,990	53	905	1,646	141
16 to 19 years.....	3,003	54	202	2,748	41	23	154	14	83
16 and 17 years.....	1,215	38	76	1,101	25	11	85	7	60
18 and 19 years.....	1,787	16	125	1,647	16	12	69	8	23
20 to 24 years.....	5,271	12	687	4,571	137	5	120	49	22
25 to 34 years.....	10,371	13	1,680	8,679	595	7	189	188	15
35 to 44 years.....	8,732	10	1,546	7,176	904	1	126	258	1
45 to 54 years.....	8,551	19	1,743	6,789	1,105	12	127	356	5
55 to 64 years.....	5,554	38	1,027	4,489	827	4	129	438	3
55 to 59 years.....	3,365	19	641	2,705	459	2	66	221	--
60 to 64 years.....	2,189	19	386	1,784	368	2	63	217	3
65 years and over.....	1,192	32	189	972	381	1	59	342	11
Female	28,408	1,585	6,089	20,734	1,365	453	166	90	314
16 to 19 years.....	2,608	356	278	1,974	24	9	21	--	19
16 and 17 years.....	1,037	278	76	683	14	7	8	--	13
18 and 19 years.....	1,571	78	202	1,291	10	2	14	--	7
20 to 24 years.....	4,604	97	955	3,552	74	11	21	3	8
25 to 34 years.....	5,494	145	1,273	4,076	209	77	29	5	42
35 to 44 years.....	5,296	200	1,237	3,859	278	102	36	16	74
45 to 54 years.....	5,821	298	1,350	4,172	363	165	32	22	101
55 to 64 years.....	3,741	290	874	2,577	278	77	19	24	59
55 to 59 years.....	2,274	161	507	1,606	168	46	14	13	41
60 to 64 years.....	1,468	129	367	972	111	31	5	11	17
65 years and over.....	844	199	122	523	138	12	8	19	12

A-21: Employed persons with a job but not at work by reason, pay status, and sex

(In thousands)

Reason not working	All industries		Nonagricultural industries					
	Nov. 1971	Nov. 1970	Total		Wage and salary workers ¹			
			Nov. 1971	Nov. 1970	Paid absence ²		Unpaid absence ²	
					Nov. 1971	Nov. 1970	Nov. 1971	Nov. 1970
Total	3,009	3,302	2,905	3,172	1,151	1,200	1,396	1,600
Vacation	879	891	842	870	616	672	141	145
Illness	1,279	1,295	1,251	1,260	441	419	675	715
Bad weather	26	108	20	70	--	--	--	--
Industrial dispute	206	324	205	324	--	--	--	--
All other reasons	618	685	587	649	94	108	581	740
Male	1,867	2,048	1,772	1,931	774	785	781	919
Vacation	607	596	575	577	436	472	82	73
Illness	750	752	723	718	284	249	361	394
All other reasons	510	700	474	636	53	64	338	451
Female	1,142	1,254	1,133	1,242	377	415	614	680
Vacation	272	295	267	293	179	201	57	71
Illness	530	543	527	542	157	171	314	320
All other reasons	340	416	339	407	41	44	243	289

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

A-22: Persons at work by type of industry and hours of work

November 1971

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	77,195	74,037	3,158	100.0	100.0	100.0
1-34 hours	17,259	16,294	967	22.4	22.0	30.6
1-4 hours	778	724	55	1.0	1.0	1.7
5-14 hours	3,789	3,568	221	4.9	4.8	7.0
15-29 hours	8,344	7,828	516	10.8	10.6	16.3
30-34 hours	4,348	4,174	175	5.6	5.6	5.5
35 hours and over	59,935	57,744	2,192	77.6	78.0	69.4
35-39 hours	5,555	5,389	166	7.2	7.3	5.3
40 hours	32,428	32,106	322	42.0	43.4	10.2
41 hours and over	21,952	20,249	1,704	28.4	27.3	53.9
41 to 48 hours	9,148	8,863	286	11.9	12.0	9.1
49 to 59 hours	6,863	6,482	381	8.9	8.8	12.1
60 hours and over	5,941	4,904	1,037	7.7	6.6	32.8
Average hours, total at work	39.3	39.0	46.5	--	--	--
Average hours, workers on full-time schedules	43.8	43.3	56.5	--	--	--

A-23: Persons at work 1-34 hours by usual status and reason working part-time

November 1971

(In thousands)

Reasons working part time	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	17,260	4,751	12,509	16,293	4,483	11,810
Economic reasons	2,546	1,255	1,291	2,311	1,120	1,191
Slack work	1,389	964	425	1,205	841	364
Material shortages or repairs to plant and equipment	61	61	--	58	58	--
New job started during week	168	168	--	164	164	--
Job terminated during week	62	62	--	56	56	--
Could find only part-time work	867	--	867	828	--	828
Other reasons	14,714	3,496	11,218	13,982	3,363	10,619
Does not want, or unavailable for, full-time work	9,175	--	9,175	8,729	--	8,729
Vacation	416	416	--	409	409	--
Illness	1,765	1,539	226	1,687	1,500	187
Bad weather	204	204	--	168	168	--
Industrial dispute	26	26	--	26	26	--
Legal or religious holiday	156	156	--	149	149	--
Full time for this job	1,406	--	1,406	1,360	--	1,360
All other reasons	1,566	1,155	411	1,455	1,111	344
Average hours:						
Economic reasons	21.0	23.7	18.4	21.2	23.9	18.6
Other reasons	19.9	26.5	17.9	20.0	26.6	17.9
Worked 30 to 34 hours:						
Economic reasons	750	514	236	699	475	224
Other reasons	3,598	1,901	1,697	3,475	1,843	1,632

A-24: Nonagricultural workers by industry and full- or part-time status

November 1971

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total ^{1/}	100.0	3.1	14.3	82.5	55.2	12.0	15.4	39.0	43.3
Wage and salary workers	100.0	3.0	14.0	82.9	57.4	12.1	13.4	38.5	42.7
Construction	100.0	4.8	3.9	91.3	69.0	11.3	11.0	39.4	41.3
Manufacturing	100.0	3.2	3.1	93.7	66.2	15.2	12.3	40.9	42.2
Durable goods	100.0	2.4	2.0	95.6	67.9	15.4	12.3	41.4	42.2
Nondurable goods	100.0	4.2	4.6	91.2	63.9	15.0	12.3	40.4	42.2
Transportation and public utilities	100.0	2.7	6.2	91.1	61.5	13.3	16.4	41.5	43.6
Wholesale and retail trade	100.0	3.3	24.7	72.0	42.2	13.8	16.0	37.0	43.9
Finance, insurance, and real estate	100.0	.8	10.8	88.4	67.4	8.7	12.3	38.9	41.4
Service industries	100.0	3.4	24.0	72.6	50.5	9.1	13.0	35.8	42.9
Private households	100.0	12.4	52.7	34.9	22.5	4.5	7.9	24.2	45.2
All other service	100.0	2.5	21.1	76.4	53.3	9.5	13.5	36.9	42.8
Public administration	100.0	.8	5.2	94.1	74.5	8.3	11.2	40.5	41.8
Self-employed workers	100.0	4.3	16.3	79.4	27.9	10.8	40.7	44.7	51.6
Unpaid family workers	100.0	2.0	39.8	58.2	26.1	7.7	24.4	37.7	49.1

^{1/}Mining not shown separately but included in totals.

**A-25: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status**

November 1971

Age, sex, color and marital status	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		
(In thousands)								
TOTAL								
Total, 16 years and over.....	74,037	2,311	10,619	61,107	40,858	20,249	39.0	43.3
16 to 21 years.....	9,143	468	3,829	4,846	3,715	1,131	29.2	40.8
16 to 19 years.....	5,588	309	3,093	2,186	1,689	497	25.3	40.4
16 and 17 years.....	2,262	69	1,907	286	226	60	17.6	39.0
18 and 19 years.....	3,327	240	1,186	1,901	1,465	436	30.6	40.6
20 years and over.....	68,448	2,002	7,526	58,920	39,168	19,752	40.1	43.4
20 to 24 years.....	9,790	403	1,398	7,989	5,750	2,239	37.7	42.0
25 years and over.....	58,658	1,599	6,128	50,931	33,418	17,513	40.5	43.6
25 to 44 years.....	30,999	849	2,865	27,285	17,563	9,722	40.9	43.8
45 to 64 years.....	25,261	676	2,310	22,275	14,943	7,332	40.7	43.4
65 years and over.....	2,298	74	953	1,371	912	459	31.7	43.3
Males, 16 years and over.....	44,945	1,079	3,417	40,449	24,342	16,107	42.0	44.6
16 to 21 years.....	4,739	247	1,939	2,553	1,744	809	30.4	41.9
16 to 19 years.....	3,003	164	1,617	1,222	860	362	26.6	41.3
16 and 17 years.....	1,228	42	1,000	186	147	19	19.0	38.3
18 and 19 years.....	1,775	122	616	1,037	715	322	31.9	41.8
20 years and over.....	41,942	913	1,800	39,229	23,484	15,745	43.1	44.7
20 to 24 years.....	5,230	206	650	4,374	2,753	1,621	39.5	43.4
25 years and over.....	36,712	707	1,150	34,855	20,731	14,124	43.6	44.9
25 to 44 years.....	19,981	379	315	19,287	11,138	8,149	44.3	45.1
45 to 64 years.....	15,263	301	332	14,630	8,986	5,644	43.6	44.5
65 years and over.....	1,468	27	504	937	605	332	33.7	43.3
Females, 16 years and over.....	29,092	1,233	7,202	20,657	16,515	4,142	34.3	40.8
16 to 21 years.....	4,404	221	1,890	2,293	1,971	322	27.9	39.5
16 to 19 years.....	2,586	145	1,476	965	831	134	23.8	39.3
16 and 17 years.....	1,034	27	907	100	79	21	15.9	40.5
18 and 19 years.....	1,552	118	569	865	751	114	29.0	39.2
20 years and over.....	26,506	1,088	5,725	19,693	15,685	4,008	35.3	40.9
20 to 24 years.....	4,560	197	748	3,615	2,998	617	35.8	40.3
25 years and over.....	21,946	891	4,977	16,078	12,687	3,391	35.2	41.0
25 to 44 years.....	11,018	468	2,551	7,999	6,426	1,573	34.7	40.5
45 to 64 years.....	9,998	376	1,977	7,645	5,956	1,689	36.4	41.3
65 years and over.....	930	47	450	433	306	127	28.7	43.4
COLOR								
White.....	66,143	1,802	9,729	54,612	35,683	18,929	39.1	43.5
Male.....	40,602	854	3,155	36,593	21,420	15,173	42.2	44.8
Female.....	25,541	948	6,573	18,020	14,262	3,758	34.3	40.9
Negro and other races.....	7,894	509	890	6,495	5,176	1,319	37.3	41.2
Male.....	4,343	225	262	3,856	2,922	934	39.5	42.0
Female.....	3,551	285	629	2,637	2,253	384	34.6	40.0
MARITAL STATUS								
Male:								
Married, wife present.....	34,743	609	1,053	33,081	19,255	13,826	43.8	45.0
Widowed, divorced, or separated.....	2,513	95	156	2,262	1,513	749	41.0	43.4
Single (never married).....	7,690	375	2,208	5,107	3,577	1,530	33.9	42.4
Female:								
Married, husband present.....	17,200	698	4,385	12,117	9,779	2,338	34.4	40.6
Widowed, divorced, or separated.....	5,553	284	889	4,380	3,355	1,025	36.8	41.6
Single (never married).....	6,339	250	1,928	4,161	3,381	780	31.8	40.4

A-25: Persons at work in nonagricultural industries by full- or part-time status, sex, age, color, and marital status--Continued
November 1971

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
TOTAL						
Total, 16 years and over.....	100.0	3.1	14.3	82.5	55.2	27.3
16 to 21 years	100.0	5.1	41.9	53.0	40.6	12.4
16 to 19 years	100.0	5.5	55.4	39.1	30.2	8.9
16 and 17 years	100.0	3.1	84.3	12.6	10.0	2.7
18 and 19 years	100.0	7.2	35.6	57.1	44.0	13.1
20 years and over	100.0	2.9	11.0	86.1	57.2	28.9
20 to 24 years	100.0	4.1	14.3	81.6	58.7	22.9
25 years and over	100.0	2.7	10.4	86.8	57.0	29.9
25 to 44 years	100.0	2.7	9.2	88.0	56.7	31.4
45 to 64 years	100.0	2.7	9.1	88.2	59.2	29.0
65 years and over	100.0	3.1	39.7	57.2	38.0	19.1
Males, 16 years and over						
16 to 21 years	100.0	2.4	7.6	90.0	54.2	35.8
16 to 19 years	100.0	5.2	40.9	53.9	36.8	17.1
16 and 17 years	100.0	5.5	53.8	40.7	28.6	12.1
18 and 19 years	100.0	3.4	81.4	15.1	12.0	3.2
18 and 19 years	100.0	6.9	34.7	58.4	40.3	18.1
20 years and over	100.0	2.2	4.3	93.5	56.0	37.5
20 to 24 years	100.0	3.9	12.4	83.6	52.6	31.0
25 years and over	100.0	1.9	3.1	94.9	56.5	38.5
25 to 44 years	100.0	1.9	1.6	96.5	55.7	40.8
45 to 64 years	100.0	2.0	2.2	95.9	58.9	37.0
65 years and over	100.0	1.8	34.3	63.8	41.2	22.6
Females, 16 years and over						
16 to 21 years	100.0	4.2	24.8	71.0	56.8	14.2
16 to 19 years	100.0	5.0	42.9	52.1	44.8	7.3
16 and 17 years	100.0	5.6	57.1	37.3	32.1	5.2
18 and 19 years	100.0	2.6	87.7	9.7	7.6	2.0
18 and 19 years	100.0	7.6	36.7	55.7	48.4	7.3
20 years and over	100.0	4.1	21.6	74.3	59.2	15.1
20 to 24 years	100.0	4.3	16.4	79.3	65.7	13.5
25 years and over	100.0	4.1	22.7	73.3	57.8	15.5
25 to 44 years	100.0	4.2	23.2	72.6	58.3	14.3
45 to 64 years	100.0	3.8	19.8	76.5	59.6	16.9
65 years and over	100.0	5.1	48.4	46.6	32.9	13.7
COLOR						
White	100.0	2.7	14.7	82.6	53.9	28.6
Male	100.0	2.1	7.8	90.1	52.8	37.4
Female	100.0	3.7	25.7	70.6	55.8	14.7
Negro and other races	100.0	6.4	11.3	82.3	65.6	16.7
Male	100.0	5.2	6.0	88.8	67.3	21.5
Female	100.0	8.0	17.7	74.3	63.4	10.8
MARITAL STATUS						
Male:						
Married, wife present	100.0	1.8	3.0	95.2	55.4	39.8
Widowed, divorced, or separated	100.0	3.8	6.2	90.0	60.2	29.8
Single (never married)	100.0	4.9	28.7	66.4	46.5	19.9
Female:						
Married, husband present	100.0	4.1	25.5	70.4	56.9	13.6
Widowed, divorced, or separated	100.0	5.1	16.0	78.9	60.4	18.5
Single (never married)	100.0	3.9	30.4	65.6	53.3	12.3

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex
November 1971

Occupation group and sex	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		
(Thousands of persons)									
TOTAL									
White-collar workers.....	37,907	579	5,490	31,838	20,596	4,143	7,099	39.9	43.9
Professional and technical.....	11,233	147	1,362	9,724	6,095	1,327	2,302	40.5	44.1
Managers, officials, and proprietors.....	8,480	68	355	8,057	3,487	1,289	3,281	47.1	48.6
Clerical workers.....	13,148	229	2,421	10,498	8,937	928	634	35.9	40.1
Sales workers.....	5,046	136	1,352	3,558	2,078	598	882	36.7	44.3
Blue-collar workers.....	26,117	1,190	1,842	23,085	15,796	3,877	3,413	39.9	42.6
Craftsmen and foremen.....	9,851	288	314	9,249	6,311	1,545	1,393	41.2	42.6
Operatives.....	12,533	647	860	11,026	7,407	1,921	1,698	40.2	42.8
Nonfarm laborers.....	3,733	255	668	2,810	2,077	411	322	35.6	41.6
Service workers.....	10,402	567	3,351	6,484	4,609	879	996	33.2	42.9
Private household.....	1,491	178	796	517	333	73	111	24.2	44.8
Other service workers.....	8,911	389	2,555	5,967	4,276	806	885	34.7	42.8
MALE									
White-collar workers.....	19,944	181	1,331	18,432	9,808	2,812	5,813	44.1	46.2
Professional and technical.....	6,824	58	455	6,311	3,757	850	1,704	43.1	45.2
Managers, officials, and proprietors.....	7,011	47	174	6,790	2,717	1,124	2,949	48.1	49.1
Clerical workers.....	3,224	45	336	2,843	2,102	368	372	39.4	42.1
Sales workers.....	2,884	31	366	2,487	1,229	470	788	42.0	45.9
Blue-collar workers.....	21,485	812	1,360	19,313	12,732	3,355	3,226	40.6	43.1
Craftsmen and foremen.....	9,461	278	264	8,919	6,032	1,514	1,373	41.4	42.7
Operatives.....	8,510	293	474	7,743	4,751	1,440	1,551	41.8	44.0
Nonfarm laborers.....	3,513	241	622	2,650	1,948	401	302	35.7	41.7
Service workers.....	3,821	107	763	2,951	1,908	431	611	38.1	44.3
Private household.....	32	2	12	18	9	2	7	35.4	50.1
Other service workers.....	3,789	106	751	2,932	1,901	428	603	38.1	44.2
FEMALE									
White-collar workers.....	17,963	399	4,159	13,405	10,788	1,331	1,286	35.2	40.8
Professional and technical.....	4,409	89	907	3,413	2,337	477	598	36.5	42.2
Managers, officials, and proprietors.....	1,468	21	181	1,266	769	165	332	42.4	46.0
Clerical workers.....	9,924	183	2,085	7,656	6,832	561	262	34.7	39.3
Sales workers.....	2,162	106	986	1,070	848	128	94	29.6	40.6
Blue-collar workers.....	4,632	377	482	3,773	3,063	522	187	36.5	39.9
Craftsmen and foremen.....	390	9	50	331	280	31	20	36.7	40.0
Operatives.....	4,023	354	386	3,283	2,655	481	147	36.7	39.9
Nonfarm laborers.....	220	14	46	160	130	10	20	34.1	40.4
Service workers.....	6,581	460	2,587	3,534	2,699	449	386	30.4	41.8
Private household.....	1,459	176	784	499	324	71	104	23.9	44.6
Other service workers.....	5,122	283	1,803	3,036	2,376	378	282	32.2	41.3

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex--Continued

November 1971

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
(Percent distribution)							
TOTAL							
White-collar workers	100.0	1.5	14.5	84.0	54.3	10.9	18.7
Professional and technical	100.0	1.3	12.1	86.6	54.3	11.8	20.5
Managers, officials, and proprietors	100.0	.8	4.2	95.0	41.1	15.2	38.7
Clerical workers	100.0	1.7	18.4	79.8	68.0	7.1	4.8
Sales workers	100.0	2.7	26.8	70.5	41.2	11.9	17.5
Blue-collar workers	100.0	4.6	7.1	88.4	60.5	14.8	13.1
Craftsmen and foremen	100.0	2.9	3.2	93.9	64.1	15.7	14.1
Operatives	100.0	5.2	6.9	88.0	59.1	15.3	13.5
Nonfarm laborers	100.0	6.8	17.9	75.3	55.6	11.0	8.6
Service workers	100.0	5.5	32.2	62.3	44.3	8.5	9.6
Private household	100.0	11.9	53.4	34.7	22.3	4.9	7.4
Other service workers	100.0	4.4	28.7	67.0	48.0	9.0	9.9
MALE							
White-collar workers	100.0	.9	6.7	92.4	49.2	14.1	29.1
Professional and technical	100.0	.8	6.7	92.5	55.1	12.5	25.0
Managers, officials, and proprietors	100.0	.7	2.5	96.8	38.8	16.0	42.1
Clerical workers	100.0	1.4	10.4	88.2	65.2	11.4	11.5
Sales workers	100.0	1.1	12.7	86.2	42.6	16.3	27.3
Blue-collar workers	100.0	3.8	6.3	89.9	59.3	15.6	15.0
Craftsmen and foremen	100.0	2.9	2.8	94.3	63.8	16.0	14.5
Operatives	100.0	3.4	5.6	91.0	55.8	16.9	18.2
Nonfarm laborers	100.0	6.9	17.7	75.4	55.5	11.4	8.6
Service workers	100.0	2.8	20.0	77.2	49.9	11.3	16.0
Private household	100.0	6.3	37.5	56.3	28.1	6.3	21.9
Other service workers	100.0	2.8	19.8	77.4	50.2	11.3	15.9
FEMALE							
White-collar workers	100.0	2.2	23.2	74.6	60.1	7.4	7.2
Professional and technical	100.0	2.0	20.6	77.4	53.0	10.8	13.6
Managers, officials, and proprietors	100.0	1.4	12.3	86.2	52.4	11.2	22.6
Clerical workers	100.0	1.8	21.0	77.1	68.8	5.7	2.6
Sales workers	100.0	4.9	45.6	49.5	39.2	5.9	4.3
Blue-collar workers	100.0	8.1	10.4	81.5	66.1	11.3	4.0
Craftsmen and foremen	100.0	2.3	12.8	84.9	71.8	7.9	5.1
Operatives	100.0	8.8	9.6	81.6	66.0	12.0	3.7
Nonfarm laborers	100.0	6.4	20.9	72.7	59.1	4.5	9.1
Service workers	100.0	7.0	39.3	53.7	41.0	6.8	5.9
Private household	100.0	12.1	53.7	34.2	22.2	4.9	7.1
Other service workers	100.0	5.5	35.2	59.3	46.4	7.4	5.5

A-27: Employment status of 14- 15 year-olds by sex and color

November 1971

(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population.....	8,168	4,138	4,030	7,006	3,561	3,445	1,162	577	585
Civilian labor force.....	1,358	766	592	1,263	704	559	95	62	33
Employed.....	1,182	654	528	1,123	616	507	59	38	20
Agriculture.....	143	126	17	130	114	16	13	12	1
Nonagricultural industries.....	1,039	528	511	993	502	491	46	26	20
Unemployed.....	177	112	64	140	88	52	36	24	12
Not in labor force.....	6,810	3,372	3,438	5,743	2,857	2,886	1,067	515	552
Keeping house.....	55	6	49	37	2	35	18	4	14
Going to school.....	6,690	3,340	3,350	5,652	2,834	2,818	1,038	506	532
Unable to work.....	7	3	4	7	4	4	--	--	--
All other reasons.....	58	23	35	47	18	29	11	4	6

A-28: Employed 14- 15 year-olds by sex, class of worker, and major occupation group

November 1971

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,182	654	528	100.0	100.0	100.0
Nonagricultural industries.....	1,039	528	511	87.9	80.7	96.8
Wage and salary workers.....	958	456	502	81.0	69.7	95.1
Private household workers.....	509	106	403	43.1	16.2	76.3
Government workers.....	30	17	13	2.5	2.6	2.5
Other wage and salary workers.....	419	333	86	35.4	50.9	16.3
Self-employed workers.....	71	63	8	6.0	9.6	1.5
Unpaid family workers.....	9	9	--	.8	1.4	--
Agriculture.....	143	126	17	12.1	19.3	3.2
Wage and salary workers.....	67	61	6	5.7	9.3	1.1
Self-employed workers.....	5	6	--	.4	.9	--
Unpaid family workers.....	71	59	12	6.0	9.0	2.3
OCCUPATION						
Total.....	1,182	654	528	100.0	100.0	100.0
White-collar workers.....	280	229	51	23.7	35.0	9.7
Professional and technical.....	10	5	5	.8	.8	.9
Managers, officials, and proprietors.....	3	2	1	.3	.3	.2
Clerical workers.....	50	26	25	4.2	4.0	4.7
Sales workers.....	217	197	20	18.4	30.1	3.8
Blue-collar workers.....	190	182	8	16.1	27.8	1.5
Craftsmen and foremen.....	10	7	3	.8	1.1	.6
Operatives.....	39	38	1	3.3	5.8	.2
Nonfarm laborers.....	142	137	5	12.0	20.9	.9
Service workers.....	576	124	452	48.8	19.0	85.8
Private household workers.....	430	28	402	36.4	4.3	76.3
Other service workers.....	146	96	50	12.4	14.7	9.5
Farm workers.....	135	119	16	11.4	18.2	3.0
Farmers and farm managers.....	2	3	--	.2	.5	--
Farm laborers and foremen.....	133	116	17	11.3	17.7	3.2

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-29: Employment status of the noninstitutional population by sex and age, seasonally adjusted

(In thousands)

Employment status, sex, and age	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Total													
Total labor force	87,868	87,500	87,347	87,087	86,626	85,948	87,028	86,665	86,405	86,334	86,873	86,622	86,512
Civilian labor force	85,172	84,783	84,598	84,312	83,829	83,132	84,178	83,783	83,475	83,384	83,897	83,609	83,473
Employed	80,022	79,845	79,525	79,197	78,941	78,443	78,961	78,698	78,475	78,537	78,864	78,463	78,550
Agriculture	3,393	3,369	3,356	3,415	3,367	3,294	3,458	3,558	3,396	3,329	3,413	3,408	3,353
Nonagricultural industries	76,629	76,476	76,169	75,782	75,574	75,149	75,503	75,140	75,079	75,208	75,451	75,055	75,197
On part time for economic reasons	2,616	2,507	2,260	2,469	2,450	2,176	2,504	2,494	2,455	2,458	2,484	2,533	2,413
Usually work full time	1,250	1,161	1,056	1,173	1,134	990	1,219	1,309	1,262	1,227	1,377	1,382	1,249
Usually work part time	1,366	1,346	1,204	1,296	1,316	1,186	1,285	1,185	1,213	1,231	1,107	1,151	1,164
Unemployed	5,150	4,938	5,073	5,115	4,888	4,689	5,217	5,085	5,000	4,847	5,033	5,146	4,923
Men, 20 years and over													
Total labor force	50,565	50,527	50,573	50,475	50,376	50,225	50,392	50,230	49,994	49,811	50,074	50,158	50,184
Civilian labor force	48,238	48,176	48,194	48,074	47,956	47,789	47,893	47,703	47,425	47,239	47,480	47,531	47,548
Employed	46,101	46,104	46,004	45,903	45,888	45,765	45,737	45,625	45,411	45,237	45,425	45,365	45,531
Agriculture	2,495	2,474	2,426	2,472	2,458	2,426	2,460	2,476	2,439	2,347	2,435	2,458	2,472
Nonagricultural industries	43,606	43,630	43,578	43,431	43,430	43,339	43,277	43,149	42,972	42,890	42,990	42,907	43,059
Unemployed	2,137	2,072	2,190	2,171	2,068	2,024	2,156	2,078	2,014	2,002	2,055	2,166	2,017
Women, 20 years and over													
Civilian labor force	29,276	29,108	28,995	28,859	28,525	28,386	28,586	28,489	28,594	28,645	28,855	28,644	28,580
Employed	27,568	27,515	27,376	27,172	26,897	26,818	26,857	26,791	26,938	27,051	27,211	26,988	26,967
Agriculture	525	521	551	543	516	510	539	583	539	551	544	538	519
Nonagricultural industries	27,043	26,994	26,825	26,629	26,381	26,308	26,318	26,208	26,399	26,500	26,667	26,450	26,448
Unemployed	1,708	1,593	1,619	1,687	1,628	1,568	1,729	1,698	1,656	1,594	1,644	1,656	1,613
Both sexes, 16-19 years													
Civilian labor force	7,658	7,499	7,409	7,379	7,348	6,957	7,699	7,591	7,456	7,500	7,562	7,434	7,345
Employed	6,353	6,226	6,145	6,122	6,156	5,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052
Agriculture	373	374	379	400	393	358	459	499	418	431	434	412	362
Nonagricultural industries	5,980	5,852	5,766	5,722	5,763	5,502	5,908	5,783	5,708	5,818	5,794	5,698	5,690
Unemployed	1,305	1,273	1,264	1,257	1,192	1,097	1,332	1,309	1,330	1,251	1,334	1,324	1,293

NOTE: Because of the independent seasonal adjustment of the various series, detail for the household data shown in tables A-29 through A-37 will not necessarily add to totals.

A-30: Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Full time													
Total, 16 years and over:													
Civilian labor force	73,100	72,534	72,419	72,232	72,006	71,308	72,338	71,810	71,351	71,627	71,710	71,937	71,815
Employed	68,896	68,614	68,320	68,242	68,161	67,563	68,156	67,896	67,410	67,765	67,766	67,805	67,789
Unemployed	4,204	3,920	4,099	3,990	3,845	3,745	4,182	3,914	3,941	3,862	3,944	4,132	4,026
Unemployment rate	5.8	5.4	5.7	5.5	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6
Men, 20 years and over:													
Civilian labor force	45,939	45,750	45,790	45,697	45,738	45,479	45,619	45,326	45,055	45,048	45,138	45,300	45,268
Employed	43,953	43,804	43,773	43,669	43,819	43,598	43,652	43,434	43,217	43,202	43,272	43,318	43,402
Unemployed	1,986	1,946	2,017	2,028	1,919	1,881	1,967	1,892	1,838	1,846	1,866	1,982	1,866
Unemployment rate	4.3	4.3	4.4	4.4	4.2	4.1	4.3	4.2	4.1	4.1	4.1	4.4	4.1
Women, 20 years and over:													
Civilian labor force	23,015	22,759	22,810	22,620	22,315	22,278	22,493	22,448	22,349	22,599	22,575	22,512	22,514
Employed	21,643	21,507	21,454	21,339	21,049	21,023	21,039	21,130	21,013	21,331	21,269	21,191	21,178
Unemployed	1,372	1,252	1,356	1,281	1,266	1,255	1,454	1,318	1,336	1,268	1,306	1,321	1,336
Unemployment rate	6.0	5.5	5.9	5.7	5.7	5.6	6.5	5.9	6.0	5.6	5.8	5.9	5.9
Part time													
Total, 16 years and over:													
Civilian labor force	12,128	12,166	12,346	12,222	11,960	12,012	11,731	11,853	12,092	11,747	12,291	11,640	11,736
Employed	11,089	11,140	11,326	11,089	10,924	11,095	10,650	10,739	11,038	10,727	11,156	10,637	10,746
Unemployed	1,039	1,026	1,020	1,133	1,036	917	1,081	1,114	1,054	1,020	1,135	1,003	990
Unemployment rate	8.6	8.4	8.3	9.3	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4

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-31: Employment status by color, sex, and age, seasonally adjusted

(In thousands)

Characteristics	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
White													
Total:													
Civilian labor force	75,869	75,419	75,154	74,794	74,403	73,882	74,761	74,498	74,217	74,169	74,803	74,340	74,333
Employed	71,574	71,415	71,064	70,578	70,439	70,035	70,511	70,349	70,083	70,204	70,626	70,186	70,215
Unemployed	4,295	4,004	4,090	4,216	3,964	3,847	4,250	4,149	4,134	3,965	4,177	4,154	4,118
Unemployment rate	5.7	5.3	5.4	5.6	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5
Males, 20 years and over:													
Civilian labor force	43,436	43,401	43,334	43,274	43,174	43,042	43,154	42,942	42,705	42,576	42,732	42,666	42,807
Employed	41,664	41,675	41,551	41,450	41,450	41,306	41,312	41,185	40,973	40,881	41,011	40,983	41,086
Unemployed	1,772	1,726	1,783	1,824	1,724	1,736	1,842	1,757	1,732	1,695	1,721	1,683	1,721
Unemployment rate	4.1	4.0	4.1	4.2	4.0	4.0	4.3	4.1	4.1	4.0	4.0	3.9	4.0
Females, 20 years and over:													
Civilian labor force	25,478	25,271	25,154	24,952	24,732	24,620	24,733	24,800	24,873	24,869	25,246	25,020	24,922
Employed	24,075	24,023	23,899	23,570	23,420	23,346	23,425	23,437	23,535	23,605	23,899	23,618	23,589
Unemployed	1,403	1,248	1,255	1,382	1,312	1,274	1,308	1,363	1,338	1,264	1,347	1,402	1,333
Unemployment rate	5.5	4.9	5.0	5.5	5.3	5.2	5.3	5.5	5.4	5.1	5.3	5.6	5.3
Both sexes, 16 to 19 years:													
Civilian labor force	6,955	6,747	6,666	6,568	6,497	6,220	6,874	6,756	6,639	6,724	6,825	6,654	6,604
Employed	5,835	5,717	5,614	5,558	5,569	5,383	5,774	5,727	5,575	5,718	5,716	5,585	5,540
Unemployed	1,120	1,030	1,052	1,010	928	837	1,100	1,029	1,064	1,006	1,109	1,069	1,064
Unemployment rate	16.1	15.3	15.8	15.4	14.3	13.5	16.0	15.2	16.0	15.0	16.2	16.1	16.1
Negro and other races													
Total:													
Civilian labor force	9,346	9,422	9,405	9,402	9,394	9,150	9,381	9,257	9,335	9,268	9,243	9,223	9,181
Employed	8,473	8,410	8,422	8,485	8,448	8,294	8,400	8,332	8,456	8,382	8,367	8,347	8,358
Unemployed	873	1,012	983	917	946	856	981	925	879	886	876	876	823
Unemployment rate	9.3	10.7	10.5	9.8	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0
Males, 20 years and over:													
Civilian labor force	4,802	4,832	4,836	4,789	4,780	4,749	4,741	4,751	4,746	4,705	4,786	4,784	4,742
Employed	4,450	4,427	4,442	4,436	4,428	4,422	4,418	4,429	4,454	4,388	4,436	4,425	4,458
Unemployed	352	405	394	353	352	327	323	322	292	317	350	359	284
Unemployment rate	7.3	8.4	8.1	7.4	7.4	6.9	6.8	6.8	6.2	6.7	7.3	7.5	6.0
Females, 20 years and over:													
Civilian labor force	3,795	3,797	3,812	3,825	3,773	3,703	3,819	3,706	3,754	3,800	3,708	3,654	3,655
Employed	3,487	3,458	3,445	3,508	3,445	3,410	3,415	3,360	3,437	3,470	3,419	3,388	3,372
Unemployed	308	339	367	317	328	293	404	346	317	330	289	266	283
Unemployment rate	8.1	8.9	9.6	8.3	8.7	7.9	10.6	9.3	8.4	8.7	7.8	7.3	7.7
Both sexes, 16 to 19 years:													
Civilian labor force	749	793	757	788	841	698	821	800	835	763	749	785	784
Employed	536	525	535	541	575	462	567	543	565	524	512	534	528
Unemployed	213	268	222	247	266	236	254	257	270	239	237	251	256
Unemployment rate	28.4	33.8	29.3	31.3	31.6	33.8	30.9	32.1	32.3	31.3	31.6	32.0	32.7

A-32: Unemployed persons by duration of unemployment, seasonally adjusted

(In thousands)

Duration of unemployment	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Less than 5 weeks	2,292	2,194	2,344	2,372	2,112	2,040	2,267	2,276	2,116	2,154	2,322	2,456	2,333
5 to 14 weeks	1,659	1,549	1,589	1,535	1,532	1,574	1,519	1,560	1,649	1,595	1,624	1,612	1,758
15 weeks and over	1,293	1,231	1,239	1,305	1,311	1,173	1,202	1,071	1,107	1,069	1,079	1,084	880
15 to 26 weeks	726	641	672	752	747	609	622	641	651	614	666	750	555
27 weeks and over	567	590	567	553	564	564	580	430	456	455	413	334	325
Average (mean) duration	11.7	12.2	12.0	11.5	11.6	12.7	11.5	10.9	10.8	10.4	10.4	9.7	9.3

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Total (all civilian workers)	6.0	5.8	6.0	6.1	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9
Men, 20 years and over	4.4	4.3	4.5	4.5	4.3	4.2	4.5	4.4	4.2	4.2	4.3	4.6	4.2
Women, 20 years and over	5.8	5.5	5.6	5.8	5.7	5.5	6.0	6.0	5.8	5.6	5.7	5.8	5.6
Both sexes, 16-19 years	17.0	17.0	17.1	17.0	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8	17.6
White	5.7	5.3	5.4	5.6	5.3	5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5
Negro and other races	9.3	10.7	10.5	9.8	10.1	9.4	10.5	10.0	9.4	9.6	9.5	9.5	9.0
Married men	3.4	3.0	3.3	3.2	3.1	3.1	3.3	3.1	3.2	3.2	3.3	3.4	3.2
Full-time workers	5.8	5.4	5.7	5.5	5.3	5.3	5.8	5.5	5.5	5.4	5.5	5.7	5.6
Part-time workers	8.6	8.4	8.3	9.3	8.7	7.6	9.2	9.4	8.7	8.7	9.2	8.6	8.4
Unemployed 15 weeks and over ¹	1.5	1.5	1.5	1.5	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.1
State insured ²	6.5	6.5	6.3	6.5	6.3	5.6	6.8	6.4	6.5	6.3	6.4	6.4	6.4
Occupation													
White-collar workers	3.6	3.4	3.3	3.5	3.6	3.1	3.7	3.8	3.7	3.5	3.5	3.8	3.6
Professional and technical	3.2	2.9	2.6	3.1	2.8	2.1	3.2	3.3	3.4	3.3	3.0	2.9	2.6
Managers, officials, and proprietors	2.0	1.6	1.6	1.4	1.8	1.7	1.5	1.6	1.7	1.5	1.5	1.7	1.7
Clerical workers	4.8	4.6	4.7	4.8	5.0	4.6	4.8	5.2	4.9	4.7	4.9	5.3	5.0
Sales workers	4.0	3.9	3.9	4.5	4.7	3.9	5.5	4.5	4.4	3.9	4.1	5.1	4.9
Blue-collar workers	7.5	7.2	8.0	7.6	7.1	7.0	7.5	7.4	7.4	7.4	7.6	7.8	7.4
Craftsmen and foremen	4.5	4.7	5.8	5.5	5.3	3.9	4.1	4.5	4.9	4.3	5.1	5.0	4.5
Operatives	8.4	8.0	8.4	8.3	8.0	8.1	8.8	8.6	8.4	8.4	8.6	9.0	8.8
Nonfarm laborers	11.5	10.9	11.6	10.5	9.1	11.2	11.5	10.2	10.0	11.3	10.6	11.0	10.1
Service workers	6.6	6.1	6.5	6.6	6.6	6.2	6.4	6.3	6.0	5.9	6.4	6.2	6.0
Farm workers	3.4	2.0	2.9	2.8	2.8	2.2	1.9	1.8	2.2	3.2	3.2	3.3	2.7
Industry													
Private wage and salary workers ⁴	6.2	6.0	6.2	6.2	6.1	6.0	6.5	6.3	6.4	6.1	6.4	6.6	6.2
Construction	8.9	10.3	10.0	10.2	9.6	10.4	11.2	9.6	10.9	11.0	11.2	11.8	9.1
Manufacturing	6.8	6.3	7.0	6.9	6.6	6.5	6.9	7.0	6.9	6.8	7.2	7.6	7.3
Durable goods	7.1	6.7	7.1	6.8	6.5	6.9	7.2	7.5	7.3	7.1	7.2	8.0	8.2
Nondurable goods	6.3	5.8	6.8	7.0	6.7	6.0	6.4	6.3	6.4	6.4	7.1	7.2	6.1
Transportation and public utilities	4.4	4.4	3.6	3.1	3.0	3.3	4.4	4.0	3.3	4.0	4.6	4.1	3.6
Wholesale and retail trade	6.6	6.1	6.2	6.2	6.4	6.5	6.9	6.5	6.7	6.2	6.1	6.7	6.1
Finance and service industries	5.2	4.8	5.1	5.4	5.4	4.7	5.1	5.3	5.3	4.8	5.0	4.9	5.1
Government wage and salary workers	3.4	3.3	2.9	3.1	2.9	2.5	3.0	2.8	2.8	2.6	2.9	3.0	2.8
Agricultural wage and salary workers	9.3	7.1	8.8	9.4	8.3	5.7	7.5	6.1	6.5	9.4	9.0	9.6	8.8

¹Unemployment rate calculated as a percent of civilian labor force.

²Insured unemployment under State programs as a percent of average covered employment.

³Man-hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force man-hours.

⁴Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**
A-34: Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Total, 16 years and over	6.0	5.8	6.0	6.1	5.8	5.6	6.2	6.1	6.0	5.8	6.0	6.2	5.9
16 to 19 years	17.0	17.0	17.1	17.0	16.2	15.8	17.3	17.2	17.8	16.7	17.6	17.8	17.6
16 and 17 years	18.4	20.5	18.6	19.7	18.3	18.1	19.0	18.3	18.8	17.4	20.3	19.8	18.6
18 and 19 years	15.7	14.6	16.0	15.0	14.9	13.9	16.7	15.8	17.2	16.1	16.0	16.5	16.6
20 to 24 years	10.5	9.3	9.6	10.1	9.7	9.9	11.1	10.4	10.0	9.4	9.7	10.2	10.0
25 years and over	4.0	4.0	4.1	4.1	4.0	3.8	4.0	4.0	4.0	3.9	4.0	4.2	3.9
25 to 54 years	4.3	4.3	4.4	4.3	4.2	3.9	4.1	4.2	4.2	4.0	4.1	4.4	4.2
55 years and over	3.4	2.9	3.1	3.5	3.1	3.4	3.6	3.6	3.3	3.6	3.6	3.5	3.3
Males, 16 years and over	5.4	5.3	5.5	5.5	5.2	5.1	5.6	5.3	5.3	5.2	5.4	5.6	5.2
16 to 19 years	16.4	17.0	16.4	17.3	15.5	15.7	17.6	16.5	17.0	16.2	17.6	17.2	16.5
16 and 17 years	18.0	21.1	19.1	19.5	18.5	17.7	17.5	18.5	18.4	17.3	19.8	20.0	17.7
18 and 19 years	14.7	14.0	14.5	15.4	13.5	13.7	18.0	14.9	16.0	15.3	15.7	15.0	15.1
20 to 24 years	10.7	10.1	10.5	10.5	10.1	9.7	10.8	10.5	10.0	9.7	10.4	10.9	10.4
25 years and over	3.5	3.5	3.6	3.6	3.4	3.3	3.6	3.5	3.4	3.4	3.5	3.7	3.4
25 to 54 years	3.8	3.7	3.8	3.6	3.5	3.4	3.6	3.4	3.4	3.2	3.4	3.6	3.5
55 years and over	3.2	2.9	3.0	3.3	3.1	3.3	3.5	3.7	3.5	3.9	3.8	3.7	3.5
Females, 16 years and over	7.0	6.6	6.8	7.0	6.9	6.5	7.2	7.3	7.2	6.8	6.9	7.1	7.0
16 to 19 years	17.8	17.0	17.8	16.7	17.1	15.9	16.9	18.2	18.8	17.2	17.7	18.6	19.0
16 and 17 years	18.9	19.8	17.9	19.9	18.1	18.7	20.8	17.9	19.4	17.5	21.0	19.4	19.8
18 and 19 years	17.0	15.4	17.7	14.6	16.5	14.1	15.2	16.9	18.5	17.0	16.4	18.2	18.4
20 to 24 years	10.3	8.4	8.6	9.5	9.1	10.1	11.5	10.3	10.1	9.1	9.0	9.3	9.6
25 years and over	4.9	4.9	4.9	5.1	5.0	4.5	4.8	5.0	5.0	4.8	4.9	5.1	4.8
25 to 54 years	5.3	5.4	5.3	5.5	5.5	5.0	5.1	5.5	5.6	5.3	5.2	5.7	5.4
55 years and over	3.7	2.9	3.4	3.8	3.3	3.6	3.7	3.4	3.1	3.1	3.3	3.1	2.9

A-35: Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reason for unemployment	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Number of unemployed													
Lost last job	2,409	2,219	2,372	2,449	2,258	2,339	2,311	2,281	2,185	2,288	2,281	2,536	2,385
Left last job	630	539	571	568	518	476	618	606	594	652	643	614	607
Reentered labor force	1,507	1,456	1,547	1,507	1,544	1,338	1,527	1,460	1,537	1,296	1,497	1,472	1,397
Never worked before	668	668	607	644	548	540	740	688	678	589	644	594	607
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
Lost last job	46.2	45.5	46.5	47.4	46.4	49.8	44.5	45.3	43.8	47.4	45.0	48.6	47.7
Left last job	12.1	11.0	11.2	11.0	10.6	10.1	11.9	12.0	11.9	13.5	12.7	11.8	12.1
Reentered labor force	28.9	29.8	30.4	29.2	31.7	28.5	29.4	29.0	30.8	26.9	29.6	28.2	28.0
Never worked before	12.8	13.7	11.9	12.5	11.3	11.5	14.2	13.7	13.6	12.2	12.7	11.4	12.1
Unemployed as a percent of the civilian labor force													
Lost last job	2.8	2.6	2.8	2.9	2.7	2.8	2.7	2.7	2.6	2.7	2.7	3.0	2.9
Left last job . . . . .	.7	.6	.7	.7	.6	.6	.7	.7	.7	.8	.8	.7	.7
Reentered labor force	1.8	1.7	1.8	1.8	1.8	1.6	1.8	1.7	1.8	1.6	1.8	1.8	1.7
Never worked before . . . . .	.8	.8	.7	.8	.7	.6	.9	.8	.8	.7	.8	.7	.7

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-36: Employed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Total													
16 years and over	80,022	79,845	79,525	79,197	78,941	78,443	78,961	78,698	78,475	78,537	78,864	78,550	78,463
16 to 19 years	6,353	6,226	6,145	6,122	6,156	5,860	6,367	6,282	6,126	6,249	6,228	6,110	6,052
16 and 17 years	2,693	2,543	2,600	2,515	2,522	2,324	2,688	2,660	2,627	2,709	2,684	2,544	2,541
18 and 19 years	3,679	2,698	3,552	3,573	3,617	3,546	3,658	3,619	3,517	3,555	3,555	3,559	3,528
20 to 24 years	10,348	10,490	10,410	10,285	10,209	9,954	10,014	9,980	9,839	9,795	9,926	9,879	9,859
25 years and over	63,335	63,141	62,975	62,750	62,539	62,635	62,589	62,431	62,533	62,489	62,722	62,461	62,646
25 to 54 years	49,170	49,009	48,917	48,742	48,570	48,646	48,687	48,446	48,495	48,619	48,667	48,436	48,577
55 years and over	14,105	14,101	14,022	13,972	13,907	13,867	13,948	13,956	14,072	13,928	14,237	14,064	14,015
Male													
16 years and over	49,758	49,641	49,458	49,289	49,340	49,035	49,243	49,144	48,793	48,725	48,908	48,870	48,964
16 to 19 years	3,657	3,537	3,454	3,386	3,452	3,270	3,506	3,519	3,382	3,488	3,483	3,505	3,433
16 and 17 years	1,585	1,481	1,505	1,466	1,481	1,376	1,552	1,548	1,476	1,577	1,561	1,537	1,489
18 and 19 years	2,086	2,071	1,953	1,890	1,959	1,898	1,969	1,957	1,915	1,920	1,924	1,973	1,956
20 to 24 years	5,686	5,742	5,646	5,597	5,552	5,494	5,540	5,510	5,405	5,322	5,365	5,400	5,342
25 years and over	40,396	40,366	40,372	40,294	40,295	40,249	40,216	40,114	40,027	39,926	40,038	39,997	40,165
25 to 54 years	31,493	31,460	31,415	31,315	31,347	31,271	31,253	31,204	31,070	31,148	31,094	31,132	31,281
55 years and over	8,918	8,907	8,948	8,949	8,939	8,907	8,971	8,912	8,943	8,812	9,007	8,901	8,900
Female													
16 years and over	30,264	30,204	30,067	29,908	29,601	29,408	29,718	29,554	29,682	29,812	29,956	29,593	29,586
16 to 19 years	2,696	2,689	2,691	2,736	2,704	2,590	2,861	2,763	2,744	2,761	2,745	2,605	2,619
16 and 17 years	1,108	1,062	1,095	1,049	1,041	948	1,136	1,112	1,151	1,132	1,123	1,007	1,052
18 and 19 years	1,593	1,627	1,599	1,683	1,658	1,648	1,689	1,662	1,602	1,635	1,631	1,586	1,572
20 to 24 years	4,662	4,748	4,764	4,688	4,657	4,460	4,474	4,470	4,434	4,473	4,561	4,479	4,517
25 years and over	22,939	22,775	22,603	22,456	22,244	22,386	22,373	22,317	22,506	22,563	22,684	22,464	22,481
25 to 54 years	17,677	17,549	17,502	17,427	17,223	17,375	17,434	17,242	17,425	17,471	17,573	17,304	17,296
55 years and over	5,187	5,194	5,074	5,023	4,968	4,960	4,977	5,044	5,129	5,116	5,230	5,163	5,115

A-37: Employed persons by major occupation group, seasonally adjusted

(In thousands)

Occupation group	1971											1970	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
White-collar workers	38,905	38,759	38,830	38,560	38,035	37,868	38,128	37,932	37,838	37,791	38,086	38,107	38,165
Professional & technical	11,290	11,177	11,256	11,236	11,019	11,247	11,025	10,969	10,837	10,907	10,777	11,132	11,156
Managers, officials and proprietors	8,815	8,964	8,913	8,850	8,661	8,588	8,680	8,607	8,662	8,573	8,729	8,408	8,378
Clerical workers	13,664	13,582	13,660	13,439	13,306	13,119	13,394	13,236	13,247	13,265	13,474	13,613	13,700
Sales workers	5,136	5,036	5,001	5,035	5,049	4,914	5,029	5,120	5,092	5,046	5,106	4,054	4,931
Blue-collar workers	27,454	27,400	27,196	26,887	27,182	27,031	26,978	27,005	26,999	27,196	27,023	27,444	27,695
Craftsmen and foremen	10,204	10,093	10,003	10,025	10,275	10,219	10,059	10,050	10,045	10,291	9,985	10,149	10,163
Operatives	13,157	13,133	13,144	12,859	12,838	12,968	12,915	12,927	12,899	12,841	12,931	13,583	13,747
Nonfarm laborers	4,093	4,174	4,049	4,003	4,069	3,844	4,004	4,028	4,055	4,064	4,107	3,712	3,785
Service workers	10,711	10,668	10,677	10,710	10,666	10,576	10,743	10,492	10,681	10,621	10,749	9,799	9,728
Farmers and farm laborers	2,979	3,012	2,947	3,036	3,002	2,941	3,025	3,169	2,991	2,944	3,026	3,080	2,990

NOTE: Comparisons with data prior to January 1971 are affected by the reclassification of census occupations that was introduced in that month. For an explanation of the changes, see "Revisions in Occupational Classifications for 1971" in the February 1971 issue of Employment and Earnings.

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**
**B-1: Employees on nonagricultural payrolls, by industry division
1919 to date
(In thousands)**

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	10,231	962	1,012	8,257	14,151	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	11,234	929	1,185	9,120	14,593	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	12,741	1,212	1,229	10,300	15,653	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	12,093	1,101	1,321	9,671	15,947	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,503	4,148	6,080	2,905	3,174
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,225	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,915	23,672	606	3,285	19,781	44,244	4,310	14,084	3,611	10,473	3,382	10,623	11,845	2,737	9,109
1969.....	70,284	24,221	619	3,435	20,167	46,063	4,429	14,639	3,733	10,906	3,564	11,229	12,202	2,758	9,444
1970.....	70,616	23,336	622	3,345	19,369	47,280	4,504	14,922	3,824	11,098	3,690	11,630	12,535	2,705	9,830
1970: Nov.	70,562	22,609	623	3,383	18,603	47,953	4,520	15,154	3,858	11,296	3,706	11,738	12,835	2,648	10,187
Dec.	71,151	22,677	621	3,233	18,823	48,474	4,454	15,706	3,863	11,843	3,712	11,717	12,885	2,693	10,192
1971: Jan.	69,527	22,111	611	2,921	18,579	47,416	4,435	14,862	3,810	11,052	3,709	11,611	12,799	2,640	10,159
Feb.	69,450	21,984	606	2,846	18,532	47,466	4,454	14,721	3,799	10,922	3,715	11,667	12,909	2,646	10,263
Mar.	69,782	22,063	608	2,967	18,488	47,719	4,466	14,789	3,806	10,983	3,735	11,758	12,971	2,649	10,322
Apr.	70,309	22,263	617	3,164	18,482	48,046	4,469	14,974	3,808	11,166	3,758	11,867	12,978	2,662	10,316
May	70,738	22,441	622	3,265	18,554	48,297	4,500	15,071	3,823	11,248	3,780	11,953	12,993	2,659	10,334
June	71,335	22,794	634	3,414	18,746	48,561	4,549	15,192	3,860	11,332	3,837	12,050	12,933	2,674	10,259
July	70,452	22,541	613	3,480	18,448	47,911	4,534	15,132	3,877	11,255	3,867	12,040	12,338	2,688	9,650
Aug.	70,542	22,785	625	3,509	18,651	47,757	4,486	15,151	3,886	11,265	3,865	11,994	12,261	2,690	9,571
Sept.	71,184	22,934	623	3,471	18,840	48,250	4,509	15,242	3,880	11,362	3,829	11,986	12,684	2,666	10,018
Oct P	71,365	22,701	520	3,477	18,704	48,664	4,455	15,321	3,899	11,422	3,825	12,032	13,031	2,659	10,372
Nov P	71,517	22,589	514	3,390	18,685	48,928	4,458	15,469	3,897	11,572	3,839	12,037	13,125	2,663	10,462

p=preliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry

(In thousands)

SIC CODE	Industry	All employees					Production workers ¹				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
-	TOTAL	71,517	71,365	71,184	70,562	70,604	-	-	-	-	-
-	PRIVATE SECTOR	58,392	58,334	58,500	57,727	57,883	48,313	48,249	48,397	47,649	47,777
-	MINING	514	520	623	623	622	368	372	472	472	472
10	METAL MINING	-	92.5	84.9	93.0	93.8	-	73.8	66.2	74.3	75.3
101	Iron ores	-	24.2	24.7	24.8	25.8	-	19.6	20.0	20.0	20.8
102	Copper ores	-	39.4	30.5	37.2	37.1	-	31.2	22.6	29.5	29.4
11,12	COAL MINING	-	50.2	157.5	151.0	148.9	-	30.3	135.6	131.0	128.8
12	Bituminous coal and lignite mining	-	44.8	152.1	145.3	143.3	-	25.6	130.9	125.9	123.8
13	OIL AND GAS EXTRACTION	-	261.7	263.0	264.1	263.2	-	172.7	172.7	172.7	172.2
131,2	Crude petroleum and natural gas fields	-	139.2	141.4	141.7	142.2	-	71.5	71.9	71.9	72.2
138	Oil and gas field services	-	122.5	121.6	122.4	121.0	-	101.2	100.8	100.8	100.0
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	115.5	117.3	114.8	116.5	-	95.4	97.0	94.4	96.0
142	Crushed and broken stone	-	41.5	42.4	41.4	42.1	-	35.4	35.9	34.9	35.5
144	Sand and gravel	-	38.9	39.3	37.3	38.1	-	-	-	-	-
	CONTRACT CONSTRUCTION	3,390	3,477	3,471	3,383	3,471	2,827	2,916	2,913	2,829	2,913
	GENERAL BUILDING CONTRACTORS	-	1008.3	994.7	1005.6	1022.4	-	839.4	828.3	840.7	855.8
16	HEAVY CONSTRUCTION CONTRACTORS	-	763.6	771.3	734.6	783.3	-	656.0	663.6	627.5	674.3
161	Highway and street construction	-	369.2	373.8	341.9	379.7	-	328.0	332.8	302.6	338.7
162	Heavy construction, n e c	-	394.4	397.5	392.7	403.6	-	328.0	330.8	324.9	335.6
17	SPECIAL TRADE CONTRACTORS	-	1705.2	1704.6	1642.6	1665.4	-	1420.3	1420.7	1360.4	1383.3
171	Plumbing, heating, air conditioning	-	407.7	404.6	409.7	411.8	-	325.7	323.6	329.2	331.9
172	Painting, paper hanging, decorating	-	122.2	125.8	118.2	126.6	-	106.7	110.5	102.3	110.7
173	Electrical work	-	294.4	295.2	296.1	298.4	-	236.1	236.3	236.7	238.9
174	Masonry, stonework, and plastering	-	220.0	220.4	204.5	210.6	-	199.6	199.7	184.2	190.1
176	Roofing and sheet metal work	-	117.7	115.5	118.5	117.5	-	97.0	95.1	98.2	97.1
	MANUFACTURING	18,685	18,704	18,840	18,603	18,813	13,608	13,612	13,738	13,374	13,550
19,24,25, 32-39	DURABLE GOODS	10,607	10,601	10,657	10,485	10,634	7,669	7,649	7,695	7,425	7,548
20-23, 26-31	NONDURABLE GOODS	8,078	8,103	8,183	8,118	8,179	5,939	5,963	6,043	5,949	6,002
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	186.9	188.0	190.2	218.2	221.9	91.7	92.9	94.0	115.7	118.1
192	Ammunition, except for small arms	130.0	130.4	131.8	150.7	152.6	57.4	58.0	58.4	74.2	75.3
1925	Complete guided missiles	-	90.3	90.6	92.6	93.1	-	26.7	26.8	28.9	28.8
1929	Ammunition, exc. for small arms, nec	-	40.1	41.2	58.1	59.5	-	31.3	31.6	45.3	46.5
24	LUMBER AND WOOD PRODUCTS	596.8	600.6	601.5	560.9	569.5	514.9	518.7	519.8	482.3	490.1
241	Logging camps & logging contractors	73.5	74.7	75.0	69.7	72.6	-	-	-	-	-
242	Sawmills and planing mills	210.9	214.4	215.3	206.6	210.3	191.6	194.7	195.7	187.5	191.1
2421	Sawmills and planing mills, general	-	181.4	182.7	175.9	178.3	-	165.1	166.4	160.0	162.6
243	Millwork, plywood & related products	(*)	192.2	192.2	168.6	169.5	(*)	161.0	160.7	139.7	140.4
2431	Millwork	-	84.3	84.7	72.7	73.7	-	69.2	69.4	58.4	59.4
2432	Veneer and plywood	-	77.0	76.7	70.6	70.2	-	69.0	68.7	63.1	62.6
244	Wooden containers	(*)	29.5	30.0	30.8	31.3	(*)	26.2	26.7	27.3	27.6
2441,2	Wooden boxes, shooks, and crates	-	23.8	24.2	24.7	25.1	-	21.2	21.6	21.9	22.2
249	Miscellaneous wood products	89.2	89.8	89.0	85.2	85.8	73.3	74.2	73.7	70.7	71.2

See footnotes at end of table.

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)					Production workers ¹					
		All employees										
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	
	<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES	477.0	473.6	468.3	458.3	459.3	395.2	390.4	385.7	377.8	378.5	
251	Household furniture.....	345.0	340.7	334.9	323.9	322.2	294.0	288.6	283.7	274.6	273.0	
2511	Wood household furniture.....	—	171.8	169.3	164.1	163.2	—	150.5	148.5	144.2	143.4	
2512	Upholstered household furniture.....	—	95.5	92.7	89.4	88.7	—	80.0	77.5	74.6	73.9	
2515	Mattresses and bedsprings.....	—	38.9	38.6	36.9	36.6	—	30.0	29.7	28.5	28.3	
252	Office furniture.....	—	35.1	35.1	34.6	35.2	—	27.1	26.6	26.7	27.2	
254	Partitions and fixtures.....	—	50.5	51.4	50.6	51.7	—	38.5	39.5	38.9	40.0	
253,9	Other furniture and fixtures.....	48.0	47.3	46.9	49.2	50.2	37.0	36.2	35.9	37.6	38.3	
32	STONE, CLAY, AND GLASS PRODUCTS ...	642.8	639.6	644.0	628.1	636.8	513.6	510.6	513.1	499.2	506.8	
321	Flat glass.....	—	24.9	24.8	23.8	23.9	—	18.6	18.4	17.3	17.6	
322	Glass and glassware, pressed or blown...	(*)	128.6	130.2	132.0	134.2	(*)	111.1	111.5	114.3	116.5	
3221	Glass containers.....	—	74.5	77.2	77.3	79.2	—	66.2	67.7	68.3	70.3	
3229	Pressed and blown glass, n e c.....	—	54.1	53.0	54.7	55.0	—	44.9	43.8	46.0	46.2	
324	Cement, hydraulic.....	32.5	32.4	32.9	32.1	32.9	25.7	25.5	26.0	24.9	25.5	
325	Structural clay products.....	58.3	58.4	58.1	57.0	57.9	48.6	48.9	48.5	46.6	47.1	
3251	Brick and structural clay tile.....	—	26.7	26.5	25.4	25.7	—	23.6	23.2	22.1	22.2	
326	Pottery and related products.....	—	40.9	41.0	42.2	42.7	—	34.1	34.1	35.2	35.7	
327	Concrete, gypsum, and plaster products...	191.6	192.8	194.5	184.4	187.9	149.3	150.9	152.7	143.9	146.9	
328,9	Other stone and nonmetallic mineral products	(*)	130.5	131.7	129.0	128.9	(*)	96.9	97.6	95.8	95.5	
3291	Abrasive products.....	—	24.9	25.0	25.1	25.1	—	17.1	17.0	17.2	17.2	
33	PRIMARY METAL INDUSTRIES	1171.5	1165.1	1176.0	1239.0	1260.5	919.4	908.9	919.0	972.5	991.2	
331	Blast furnace and basic steel products...	(*)	525.9	530.8	598.4	614.7	(*)	406.2	410.6	474.1	489.0	
3312	Blast furnaces and steel mills.....	—	456.9	459.0	522.4	537.0	—	353.8	355.4	415.8	429.1	
332	Iron and steel foundries.....	212.5	212.0	215.8	214.9	214.3	175.8	174.9	179.1	176.1	175.3	
3321	Gray iron foundries.....	—	133.0	133.6	130.5	129.5	—	111.9	112.6	108.3	107.3	
3322	Malleable iron foundries.....	—	23.3	23.3	21.6	21.5	—	19.4	19.4	17.9	17.7	
3323	Steel foundries.....	—	55.7	58.9	62.8	63.3	—	43.6	47.1	49.9	50.3	
333,4	Nonferrous metals.....	(*)	82.5	83.0	88.2	88.0	(*)	63.8	64.3	68.2	68.0	
3334	Primary aluminum.....	—	30.2	31.3	30.9	31.0	—	24.6	25.7	25.2	25.2	
335	Nonferrous rolling and drawing.....	198.7	202.5	204.6	197.6	200.4	146.7	149.2	150.8	143.4	145.6	
3351	Copper rolling and drawing.....	—	40.1	41.4	40.9	42.2	—	29.5	30.8	29.8	30.5	
3352	Aluminum rolling and drawing.....	—	64.7	64.9	66.8	67.6	—	47.1	47.3	48.2	48.7	
3357	Nonferrous wire drawing and insulating...	—	78.3	78.7	68.9	69.8	—	59.2	59.4	50.7	51.7	
336	Nonferrous foundries.....	79.9	77.9	77.6	74.3	76.8	65.8	64.1	63.8	60.0	62.2	
3361	Aluminum castings.....	—	39.2	39.0	37.2	38.5	—	32.7	32.4	30.4	31.5	
3362,9	Other nonferrous castings.....	—	38.7	38.6	37.1	38.3	—	31.4	31.4	29.6	30.7	
339	Miscellaneous primary metal products....	64.8	64.3	64.2	65.6	66.3	51.3	50.7	50.4	50.7	51.1	
3391	Iron and steel forgings.....	—	42.6	43.4	43.3	43.2	—	34.2	34.7	33.7	33.5	
34	FABRICATED METAL PRODUCTS	1347.4	1349.5	1354.1	1315.7	1333.6	1026.4	1030.0	1034.4	992.7	1007.5	
341	Metal cans.....	(*)	70.8	76.6	70.8	71.3	(*)	60.1	66.1	59.9	60.4	
342	Cutlery, hand tools, and hardware.....	153.6	150.8	149.7	139.9	140.1	120.8	118.4	117.1	105.5	105.5	
3421,3,5	Cutlery and hand tools, incl. saws.....	—	62.3	61.6	61.5	61.4	—	48.9	48.0	47.4	47.3	
3429	Hardware, n e c.....	—	88.5	88.1	78.4	78.7	—	69.5	69.1	58.1	58.2	
343	Plumbing and heating, except electric....	83.2	82.9	82.4	82.0	82.1	62.8	62.8	61.8	60.7	60.7	
3431,2	Sanitary ware & plumbers' brass goods..	—	39.5	39.2	36.9	36.7	—	31.4	31.1	29.0	28.7	
3433	Heating equipment, except electric.....	—	43.4	43.2	45.1	45.4	—	31.4	30.7	31.7	32.0	
344	Fabricated structural metal products.....	419.8	422.4	424.5	421.0	427.3	298.0	301.6	303.7	302.6	307.4	
3441	Fabricated structural steel.....	—	104.6	106.4	110.7	112.2	—	75.7	77.4	82.0	83.2	
3442	Metal doors, sash, and trim.....	—	74.7	74.7	67.3	68.9	—	55.1	55.0	49.2	49.6	
3443	Fabricated plate work(boiler shops)....	—	112.8	112.9	116.5	117.4	—	77.7	77.9	82.0	82.8	
3444	Sheet metal work.....	—	80.2	80.1	78.1	79.8	—	58.5	58.3	55.6	57.2	
3446,9	Architectural and misc. metal work....	—	50.1	50.4	48.4	49.0	—	34.6	35.1	33.8	34.6	
345	Screw machine products, bolts, etc.....	(*)	92.9	93.2	96.7	100.0	(*)	71.4	71.8	74.4	77.3	
3451	Screw machine products.....	—	40.6	40.7	42.6	45.4	—	33.2	33.4	35.1	37.5	
3452	Bolts, nuts, rivets, and washers.....	—	52.3	52.5	54.1	54.6	—	38.2	38.4	39.3	39.8	
346	Metal stampings.....	228.9	227.2	227.4	206.4	208.8	185.0	183.4	183.6	161.2	163.6	
347	Metal services, n e c.....	77.0	78.0	77.6	79.3	81.5	63.4	64.1	63.6	64.8	67.1	
348	Misc. fabricated wire products.....	65.9	66.2	65.7	64.7	66.2	52.3	52.2	51.9	51.0	52.2	
349	Misc. fabricated metal products.....	158.1	158.3	157.0	154.9	156.3	115.1	116.0	114.8	112.6	113.3	
3494,8	Valves, pipe, and pipe fittings.....	—	97.3	95.4	94.7	95.2	—	68.3	66.7	66.4	66.6	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

58

B-2: Employees on nonagricultural payrolls, by industry--Continued

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	1,779.2	1,772.4	1,788.4	1,851.6	1,874.6	1,165.5	1,158.0	1,170.5	1,213.4	1,230.9
351	Engines and turbines	116.9	116.3	115.8	109.8	109.2	77.3	76.8	76.7	73.3	72.2
3511	Steam engines and turbines	-	45.2	45.1	38.0	38.0	-	25.6	25.9	20.5	20.5
3519	Internal combustion engines, n e c	-	71.1	70.7	71.8	71.2	-	51.2	50.8	52.8	51.7
352	Farm machinery	-	120.1	122.5	121.9	123.6	-	83.0	85.1	85.8	86.2
353	Construction and related machinery	274.1	274.6	276.8	283.4	284.3	175.7	175.9	177.5	184.3	185.3
3531,2	Construction and mining machinery	-	145.5	146.9	149.7	150.1	-	94.7	96.0	100.4	100.9
3533	Oil field machinery	-	45.1	45.2	44.7	44.9	-	30.4	30.5	30.0	30.2
3535,6	Conveyors, hoists, cranes, monorails	-	37.7	38.7	41.0	41.3	-	23.6	24.2	25.5	25.8
3537	Industrial trucks and tractors	-	30.2	30.4	31.4	31.6	-	19.0	19.0	19.7	19.8
354	Metal working machinery	263.3	261.1	259.8	282.6	287.6	192.6	189.8	188.4	203.8	207.9
3541	Machine tools, metal cutting types	-	50.4	50.8	57.8	59.9	-	32.3	32.6	36.2	37.9
3544	Special dies, tools, jigs, & fixtures	-	102.5	100.8	104.7	106.6	-	82.3	80.4	82.9	84.6
3545	Machine tool accessories	-	44.2	44.2	48.6	49.4	-	30.9	31.1	34.3	34.9
3542,8	Misc. metal working machinery	-	64.0	64.0	71.5	71.7	-	44.3	44.3	50.4	50.5
355	Special industry machinery	177.3	176.0	177.0	187.0	188.6	114.4	113.2	114.3	121.4	121.9
3551	Food products machinery	-	39.2	39.5	41.2	41.4	-	24.2	24.4	25.8	25.7
3552	Textile machinery	-	35.2	34.9	36.0	36.6	-	26.0	25.7	26.4	26.8
3555	Printing trades machinery	-	28.0	28.1	30.4	30.4	-	17.0	17.3	19.0	18.9
356	General industrial machinery	251.2	249.3	251.9	262.4	268.4	165.1	164.2	166.6	170.8	175.6
3561	Pumps and compressors	-	66.5	67.1	71.4	72.2	-	39.4	39.8	41.4	42.0
3562	Ball and roller bearings	-	48.3	49.4	51.8	54.2	-	36.6	37.6	38.8	41.0
3564	Blowers and fans	-	32.9	32.9	32.0	32.9	-	21.3	21.3	20.8	21.4
3566	Power transmission equipment	-	46.7	47.3	49.1	50.1	-	32.8	33.6	34.4	35.3
357	Office and computing machines	232.5	233.3	242.8	266.3	269.6	104.8	105.1	111.4	126.4	129.3
3573	Electronic computing equipment	-	167.7	169.0	180.6	182.2	-	61.9	61.5	66.7	68.0
358	Service industry machines	137.6	137.2	137.5	140.3	141.4	93.7	93.3	93.6	97.3	98.4
3585	Refrigeration machinery	-	88.9	90.5	93.5	94.0	-	60.9	62.0	65.3	65.8
359	Misc. machinery, except electrical	206.1	204.5	204.3	197.9	201.9	159.0	156.7	156.9	150.3	154.1
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,805.1	1,799.9	1,803.2	1,826.9	1,863.4	1,207.4	1,197.4	1,199.5	1,197.9	1,230.1
361	Electric test & distributing equipment	196.3	196.6	196.0	202.4	204.3	133.8	133.5	133.1	138.0	139.6
3611	Electric measuring instruments	-	64.0	63.5	65.1	65.8	-	39.1	38.7	40.1	40.8
3612	Transformers	-	54.3	54.0	56.1	56.7	-	39.4	39.3	40.8	41.2
3613	Switchgear and switchboard apparatus	-	78.3	78.5	81.2	81.8	-	55.0	55.1	57.1	57.6
362	Electrical industrial apparatus	196.4	197.9	199.3	207.3	212.5	134.0	135.1	136.1	140.6	145.7
3621	Motors and generators	-	106.6	107.4	112.5	116.1	-	74.1	74.9	77.7	81.1
3622	Industrial controls	-	53.9	54.1	54.3	55.5	-	34.5	34.5	33.9	35.4
363	Household appliances	(*)	188.1	190.1	180.9	192.1	(*)	149.0	151.4	141.8	153.6
3632	Household refrigerators and freezers	-	56.2	59.1	50.4	62.0	-	45.2	48.1	39.6	51.3
3633	Household laundry equipment	-	28.5	28.8	28.0	28.1	-	23.4	23.7	22.7	22.8
3634	Electric housewares and fans	-	50.0	49.3	50.7	50.5	-	39.3	38.8	40.2	40.2
364	Electric lighting and wiring equipment	188.4	185.7	185.2	184.6	187.5	145.8	142.9	142.4	140.8	143.0
3641	Electric lamps	-	34.9	35.0	37.1	37.3	-	30.6	30.7	32.8	32.8
3642	Lighting fixtures	-	64.4	63.8	59.1	60.1	-	49.6	49.1	44.9	45.6
3643,4	Wiring devices	-	86.4	86.4	88.4	90.1	-	62.7	62.6	63.1	64.6
365	Radio and TV receiving equipment	(*)	140.9	140.9	135.1	136.0	(*)	104.2	104.1	99.4	100.8
366	Communication equipment	(*)	428.9	432.3	471.2	477.2	(*)	212.8	215.0	237.1	239.0
3661	Telephone and telegraph apparatus	-	151.2	152.9	163.1	162.9	-	97.9	98.9	108.7	108.5
3662	Radio and TV communication equipment	-	277.7	279.4	308.1	314.3	-	114.9	116.1	128.4	130.5
367	Electronic components and accessories	338.8	336.3	335.5	336.2	344.4	226.7	222.6	221.1	219.1	227.4
3671-3	Electron tubes	-	53.5	53.6	59.6	59.9	-	37.1	37.2	41.0	41.3
3674,9	Other electronic components	-	282.8	281.9	276.6	284.5	-	185.5	183.9	178.1	186.1
369	Misc. electrical equipment & supplies	(*)	125.5	123.9	109.2	109.4	(*)	97.3	96.3	81.1	81.0
3694	Engine electrical equipment	-	63.7	63.1	53.4	52.5	-	50.5	49.9	39.9	38.8
37	TRANSPORTATION EQUIPMENT	1,736.4	1,747.5	1,768.7	1,513.2	1,531.7	1,238.3	1,244.3	1,264.0	976.1	989.2
371	Motor vehicles and equipment	(*)	844.3	895.9	578.5	591.4	(*)	688.7	697.8	385.8	397.5
3711	Motor vehicles	-	390.2	394.9	233.0	235.5	-	287.4	291.4	136.4	138.5
3712	Passenger car bodies	-	60.6	61.1	18.4	18.7	-	51.3	51.6	5.9	6.0
3713	Truck and bus bodies	-	36.7	38.5	32.8	34.0	-	29.1	30.4	25.0	26.1
3714	Motor vehicle parts and accessories	-	375.3	378.7	273.3	281.5	-	304.6	307.0	203.4	211.2
3715	Truck trailers	-	21.5	22.7	21.0	21.7	-	16.3	17.4	15.1	15.7
372	Aircraft and parts	506.6	514.7	519.7	619.0	626.8	269.5	273.7	278.7	338.2	340.8
3721	Aircraft	-	280.0	281.3	335.2	340.0	-	142.7	144.8	175.5	177.3
3722	Aircraft engines and engine parts	-	145.8	148.6	174.3	175.5	-	76.3	78.4	91.9	92.0
3723,9	Other aircraft parts and equipment	-	88.9	89.8	109.5	111.3	-	54.7	55.5	70.8	71.5
373	Ship and boat building and repairing	(*)	164.3	167.6	163.8	161.0	(*)	132.1	135.9	129.9	128.4
3731	Ship building and repairing	-	126.0	129.9	130.7	128.5	-	100.6	105.2	103.9	102.9

See footnotes at end of table.

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Nov. p 1971	Oct. p 1971	Sept. 1971	Nov. 1970	Oct. 1970	Nov. p 1971	Oct. p 1971	Sept. 1971	Nov. 1970	Oct. 1970
	<i>Durable Goods--Continued</i>										
	TRANSPORTATION EQUIPMENT--Continued										
3732	Boat building and repairing.....		38.3	37.7	33.1	32.5		31.5	30.7	26.0	25.5
374	Railroad equipment.....		52.1	53.2	42.5	43.5		40.8	41.8	32.6	33.4
375,9	Other transportation equipment.....		132.1	132.3	109.4	109.0		109.0	109.8	89.6	89.1
	INSTRUMENTS AND RELATED PRODUCTS	435.3	435.4	434.8	442.4	446.1	260.9	261.0	260.1	263.5	266.0
38	Engineering & scientific instruments.....		62.4	62.7	66.3	67.7		29.8	29.8	31.6	32.5
382	Mechanical measuring & control devices.....	98.0	98.4	98.4	102.7	104.2	60.3	59.7	59.8	61.7	62.4
3821	Mechanical measuring devices.....		61.2	61.1	65.5	66.3		34.8	34.8	37.0	37.0
3822	Automatic temperature controls.....		37.2	37.3	37.2	37.9		24.9	25.0	24.7	25.4
383,5	Optical and ophthalmic goods.....	51.1	50.5	50.7	51.3	51.6	35.7	35.1	35.1	35.3	35.4
385	Ophthalmic goods.....		35.1	35.2	34.9	34.9		26.5	26.5	26.2	26.2
384	Medical instruments and supplies.....	88.4	87.8	87.2	84.1	83.5	57.5	57.4	56.9	55.3	55.1
386	Photographic equipment and supplies.....	(*)	105.7	105.6	108.7	109.5	(*)	53.9	53.8	56.2	56.7
387	Watches, clocks, and watchcases.....		30.6	30.2	29.3	29.6		25.1	24.7	23.4	23.9
	MISCELLANEOUS MANUFACTURING INDUSTRIES	428.6	429.6	428.1	430.7	437.0	335.5	336.7	334.8	333.4	339.2
39	Jewelry, silverware, and plated ware.....	51.7	51.3	50.1	50.7	50.4	39.1	38.7	37.5	37.5	37.2
394	Toys and sporting goods.....		123.6	123.0	121.5	127.0		101.5	100.8	98.1	103.6
3941-3	Games, toys, dolls, & play vehicles.....		73.1	72.4	71.9	77.5		59.9	59.5	58.5	63.9
3949	Sporting and athletic goods, n e c.....		50.5	50.6	49.6	49.5		41.6	41.3	39.6	39.7
395	Pens, pencils, office, and art supplies.....		32.0	32.3	32.5	33.5		22.4	22.5	23.0	23.9
396	Costume jewelry and notions.....		59.8	60.2	63.3	62.7		49.3	49.5	51.7	50.9
393,9	Other manufacturing industries.....	161.9	162.9	162.5	162.7	163.4	123.7	124.8	124.5	123.1	123.6
393	Musical instruments and parts.....		21.7	21.3	20.6	20.3		17.5	17.3	15.9	15.8
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	1,767.5	1,802.3	1,879.3	1,786.8	1,836.6	1,197.1	1,230.1	1,306.0	1,210.9	1,256.3
201	Meat products.....	355.3	356.4	356.1	346.6	353.6	293.4	294.2	294.3	285.0	291.6
2011	Meat packing plants.....		183.7	184.7	175.0	181.7		147.4	148.3	138.8	144.8
2013	Sausages and other prepared meats.....		62.2	62.6	61.4	61.7		46.0	46.4	45.0	45.4
2015	Poultry dressing plants.....		110.5	108.8	110.2	110.2		100.8	99.6	101.2	101.4
202	Dairy products.....	227.9	229.1	233.2	234.9	237.6	109.4	110.1	112.3	111.2	112.5
2024	Ice cream and frozen desserts.....		25.4	26.8	25.1	26.1		13.1	13.5	12.6	13.2
2026	Fluid milk.....		159.0	160.8	165.0	166.3		62.5	63.2	64.0	64.2
203	Canned, cured, and frozen foods.....		302.9	386.5	280.6	316.6		255.3	339.3	234.1	269.1
2031,6	Canned, cured, and frozen sea foods.....		38.6	39.7	43.0	45.6		33.9	34.9	37.7	39.9
2032,3	Canned food, except sea foods.....		158.0	240.5	132.5	159.0		130.6	213.4	106.5	132.1
2037	Frozen fruits and vegetables.....		67.0	68.5	67.9	70.0		59.2	60.9	60.3	62.6
204	Grain mill products.....	134.9	135.9	137.4	136.1	137.6	96.2	97.2	99.0	97.3	98.8
2041	Flour and other grain mill products.....		27.9	28.2	28.4	28.1		20.6	21.0	21.3	21.1
2042	Prepared feeds for animals and fowls.....		66.0	67.3	65.7	67.6		44.1	45.4	43.6	45.6
205	Bakery products.....	273.4	274.6	273.9	274.2	274.6	161.3	162.2	162.1	162.4	162.8
2051	Bread, cake, and related products.....		227.8	227.2	228.5	229.1		124.0	124.0	125.5	126.0
2052	Cookies and crackers.....		46.8	46.7	45.7	45.5		38.2	38.1	36.9	36.8
206	Sugar.....		40.8	31.1	44.1	43.5		33.0	23.6	36.2	35.6
207	Confectionery and related products.....	(*)	79.8	79.2	84.5	84.3	(*)	65.0	64.4	68.8	68.8
2071	Confectionery products.....		62.8	61.9	68.3	68.2		52.2	51.4	56.7	56.7
208	Beverages.....	237.3	238.4	239.5	238.3	241.3	118.7	119.3	119.2	120.0	121.6
2082	Malt liquors.....		55.5	56.7	58.2	58.1		36.6	37.9	38.5	38.1
2086	Bottled and canned soft drinks.....		131.2	134.4	129.8	131.8		47.4	49.7	47.0	48.4
209	Misc. foods and kindred products.....	145.0	144.4	142.4	147.5	147.5	94.4	93.8	91.8	95.9	95.5
21	TOBACCO MANUFACTURES	75.8	80.3	84.2	86.1	91.6	62.5	66.7	70.3	72.6	78.1
211	Cigarettes.....		39.8	41.0	43.9	43.3		31.7	32.8	35.7	35.3
212	Cigars.....		15.7	15.9	17.3	17.5		14.1	14.2	15.7	15.9
22	TEXTILE MILL PRODUCTS	972.8	965.4	964.5	964.0	965.5	853.6	847.7	846.4	845.1	846.0
221	Weaving mills, cotton.....	212.1	210.3	210.9	219.2	218.0	192.8	191.1	191.6	198.9	197.8
222	Weaving mills, synthetics.....	96.3	95.0	94.7	95.9	96.4	85.4	84.2	83.8	84.3	84.7
223	Weaving and finishing mills, wool.....	27.4	27.2	27.7	33.3	33.6	22.6	22.4	22.8	28.0	28.2
224	Narrow fabric mills.....	30.6	30.4	30.0	29.0	29.0	26.9	26.7	26.2	25.6	25.5
225	Knitting mills.....	251.6	250.1	250.3	242.5	246.0	221.1	220.0	220.1	212.2	215.7
2251	Women's hosiery, except socks.....		57.5	58.2	64.7	67.1		51.8	52.4	57.7	60.0
2252	Hosiery, n e c.....		34.7	34.7	35.8	36.0		30.9	30.9	32.0	32.2
2253	Knit outerwear mills.....		76.9	76.7	69.5	70.3		66.6	66.4	59.8	60.8
2254	Knit underwear mills.....		31.5	31.5	29.6	29.3		27.8	27.8	26.0	25.7

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Nov. 1971	Oct. 1971	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971	Oct. 1971	Sept. 1971	Nov. 1970	Oct. 1970
<i>Nondurable Goods--Continued</i>											
TEXTILE MILL PRODUCTS--Continued											
226	Textile finishing, except wool	86.4	85.9	85.4	83.9	83.2	73.1	72.5	72.0	71.2	70.4
227	Floor covering mills	-	57.1	56.3	57.6	57.8	-	45.6	44.8	45.9	45.8
228	Yarn and thread mills	137.3	136.1	135.6	130.8	130.0	125.9	124.9	124.4	120.4	119.7
229	Miscellaneous textile goods	73.0	73.3	73.6	71.8	71.5	60.2	60.3	60.7	58.6	58.2
23	APPAREL AND OTHER TEXTILE PRODUCTS...	1,384.4	1,379.3	1,374.2	1,369.0	1,368.3	1,210.4	1,206.0	1,202.0	1,198.4	1,198.2
231	Men's and boys' suits and coats	109.7	109.7	109.5	113.3	112.4	95.9	96.1	95.9	98.9	97.7
232	Men's and boys' furnishings	392.1	392.4	391.1	377.3	377.8	343.5	344.6	343.8	333.2	333.8
2321	Men's and boys' shirts and nightwear ...	-	121.3	121.1	120.0	120.4	-	107.8	107.0	107.1	107.4
2327	Men's and boys' separate trousers	-	85.5	84.9	83.1	82.8	-	76.5	76.2	74.8	74.8
2328	Men's and boys' work clothing	-	86.8	86.5	83.5	82.8	-	75.8	75.6	72.0	71.2
233	Women's and misses' outerwear	(*)	427.6	426.1	435.7	431.4	(*)	377.3	376.1	386.0	382.3
2331	Women's and misses' blouses and waists ..	-	43.3	43.1	47.3	47.6	-	38.3	38.1	42.2	42.6
2335	Women's and misses' dresses	-	203.5	206.0	210.7	206.5	-	182.8	185.3	189.8	186.0
2337	Women's and misses' suits and coats	-	84.8	85.5	81.1	82.7	-	74.0	74.8	70.9	72.7
2339	Women's and misses' outerwear, n e c	-	96.0	91.5	96.6	94.6	-	82.2	77.9	83.1	81.0
234	Women's and children's undergarments	114.3	114.7	114.1	116.7	116.8	99.0	99.4	98.9	101.6	101.8
2341	Women's and children's underwear	-	80.8	80.8	82.2	82.5	-	71.0	71.0	72.8	73.2
2342	Corsets and allied garments	-	33.9	33.3	34.5	34.3	-	28.4	27.9	28.8	28.6
235	Hats, caps, and millinery	-	16.3	16.4	17.7	18.2	-	14.5	14.6	15.9	16.3
236	Children's outerwear	75.7	75.0	75.5	73.4	73.9	67.1	67.0	67.3	65.2	65.9
2361	Children's dresses and blouses	-	30.8	30.7	32.5	32.7	-	27.9	27.6	29.2	29.4
237,8	Fur goods and miscellaneous apparel	-	75.7	74.9	75.4	77.1	-	65.3	64.5	64.4	65.9
239	Misc. fabricated textile products	(*)	167.9	166.6	159.5	160.7	(*)	141.8	140.9	133.2	134.5
2391,2	Housefurnishings	-	69.5	68.6	68.5	68.3	-	59.8	59.3	58.8	58.7
26	PAPER AND ALLIED PRODUCTS.....	693.6	690.9	696.7	699.5	694.6	533.9	529.8	535.2	537.7	532.4
261,2,6	Paper and pulp mills	209.1	208.4	211.9	214.2	211.0	161.9	161.1	164.2	164.3	161.2
263	Paperboard mills	70.7	70.8	71.7	71.2	70.6	55.9	56.0	56.8	56.8	56.5
264	Misc. converted paper products	194.1	193.3	193.5	189.7	188.3	141.5	140.0	140.1	138.1	136.2
2643	Bags, except textile bags	-	43.1	43.3	43.4	43.6	-	34.3	34.3	34.4	34.5
265	Paperboard containers and boxes	219.7	218.4	219.6	224.4	224.7	174.6	172.7	174.1	178.5	178.5
2651,2	Folding and setup paperboard boxes	-	64.4	64.6	67.8	68.2	-	52.8	53.2	56.0	56.2
2653	Corrugated and solid fiber boxes	-	105.8	105.7	106.3	106.5	-	80.9	80.9	81.3	81.5
2654	Sanitary food containers	-	29.7	30.6	31.7	31.4	-	23.9	24.6	25.9	25.5
27	PRINTING AND PUBLISHING.....	1,086.4	1,088.4	1,081.4	1,105.0	1,104.7	662.1	666.0	661.0	678.2	677.7
271	Newspapers	372.2	370.7	368.3	373.6	372.5	179.7	179.6	178.8	181.7	180.9
272	Periodicals	-	70.6	71.6	76.4	76.2	-	22.2	22.4	25.2	25.2
273	Books	-	101.2	100.5	99.8	99.8	-	56.0	56.3	53.2	53.0
275	Commercial printing	(*)	349.5	348.5	357.0	356.7	(*)	268.1	267.8	276.1	275.5
2751	Commercial printing, ex. lithographic ...	-	209.6	208.9	216.1	215.9	-	163.6	163.1	169.2	168.6
2752	Commercial printing, lithographic	-	128.4	128.2	129.5	129.7	-	96.0	96.1	98.4	98.6
278	Blankbooks and bookbinding	54.6	54.5	54.6	55.2	55.7	44.9	44.7	45.0	45.1	45.5
274,6,7,9	Other publishing & printing ind.	141.2	141.9	137.9	143.0	143.8	94.7	95.4	90.7	96.9	97.6
28	CHEMICALS AND ALLIED PRODUCTS.....	1,002.3	1,004.1	1,009.4	1,032.8	1,040.2	577.0	577.9	581.0	589.3	594.9
281	Industrial chemicals	309.1	309.5	310.9	319.9	322.3	167.8	168.6	169.7	171.8	174.2
2812	Alkalies and chlorine	-	20.6	20.9	20.4	21.9	-	13.9	14.2	13.3	14.9
2818	Industrial organic chemicals, n e c	-	124.9	125.2	131.1	131.5	-	55.8	55.8	56.8	57.2
2819	Industrial inorganic chemicals, n e c	-	98.2	98.5	100.6	101.0	-	56.1	56.6	57.8	58.3
282	Plastics materials and synthetics	206.5	207.0	207.6	211.6	212.7	139.0	138.9	139.1	138.8	139.0
2821	Plastics materials and resins	-	85.6	86.0	87.9	88.9	-	52.7	52.9	53.7	54.2
2823,4	Synthetic fibers	-	108.4	108.6	109.7	109.8	-	77.2	77.2	75.6	75.2
283	Drugs	148.2	148.5	149.1	146.3	146.8	73.6	73.3	73.4	70.6	70.2
2834	Pharmaceutical preparations	-	116.8	117.3	114.8	115.3	-	56.7	56.8	54.2	54.0
284	Soap, cleaners, and toilet goods	123.1	124.4	125.1	127.5	129.4	69.7	71.0	71.7	73.0	75.0
2841	Soap and other detergents	-	42.0	42.2	42.0	43.0	-	27.2	27.6	27.2	27.9
2844	Toilet preparations	-	50.7	51.1	53.6	54.7	-	28.2	28.3	30.7	32.1
285	Paints and allied products	66.7	67.1	67.9	68.6	69.4	36.0	36.8	37.4	37.9	38.5
287	Agricultural chemicals	53.3	52.4	52.0	53.6	52.8	32.2	31.0	30.6	32.0	31.3
2871,2	Fertilizers, complete & mixing only	-	36.0	35.5	37.2	36.5	-	23.4	22.9	24.2	23.6
286,9	Other chemical products	95.4	95.2	96.8	105.3	106.8	58.7	58.3	59.1	65.2	66.7
2892	Explosives	-	22.9	23.4	31.6	32.5	-	15.4	15.6	22.0	22.8
29	PETROLEUM AND COAL PRODUCTS.....	189.0	190.5	191.9	189.2	190.0	116.1	116.9	118.6	114.6	115.4
291	Petroleum refining	151.7	152.8	153.9	152.8	153.0	89.1	89.6	91.0	88.9	89.1
295,9	Other petroleum and coal products	37.3	37.7	38.0	36.4	37.0	27.0	27.3	27.6	25.7	26.3

See footnotes at end of table.

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)					Production workers ¹				
		All employees									
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
	<i>Nonurable Goods--Continued</i>										
30	RUBBER AND PLASTICS PRODUCTS, N E C	599.2	597.8	595.9	571.2	572.5	464.9	463.4	461.8	433.8	435.3
301	Tires and inner tubes.....	129.2	128.2	128.4	122.2	116.4	92.8	91.7	91.9	84.6	79.0
302,3,6	Other rubber products.....	174.5	174.9	174.7	165.3	165.9	137.8	137.7	137.8	126.5	127.2
302	Rubber footwear.....	-	27.4	27.4	25.9	25.3	-	23.6	23.7	22.3	21.8
307	Miscellaneous plastics products.....	295.5	294.7	292.8	283.7	290.2	234.3	234.0	232.1	222.7	229.1
31	LEATHER AND LEATHER PRODUCTS...	306.7	303.7	305.5	314.7	314.7	261.6	258.9	260.3	268.4	267.9
311	Leather tanning and finishing.....	(*)	25.2	25.0	25.9	25.9	(*)	21.7	21.6	22.4	22.4
314	Footwear, except rubber.....	204.3	202.0	203.8	208.7	207.8	176.7	174.7	176.2	181.0	179.7
312,3,5-7,9	Other leather products.....	77.5	76.5	76.7	80.1	81.0	63.3	62.5	62.5	65.0	65.8
316	Luggage.....	-	15.7	16.1	16.6	17.4	-	12.1	12.5	12.6	13.2
317	Handbags and personal leather goods.....	-	35.3	34.9	35.8	35.6	-	29.8	29.4	30.2	30.2
	TRANSPORTATION AND PUBLIC UTILITIES.....	4,458	4,455	4,509	4,520	4,531	3,856	3,853	3,906	3,917	3,928
7	RAILROAD TRANSPORTATION.....	-	590.6	593.9	611.8	618.4	-	-	-	-	-
311	Class I railroads ²	-	532.8	537.8	546.6	552.2	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSPORT.....	-	264.9	268.4	285.2	283.5	-	-	-	-	-
41	Local and suburban transportation.....	-	67.1	68.5	76.6	76.5	-	63.0	64.5	72.2	72.0
412	Taxicabs.....	-	103.0	101.8	110.5	109.0	-	-	-	-	-
413	Intercity highway transportation.....	-	44.2	45.7	42.6	43.2	-	40.5	42.0	39.0	39.7
42	TRUCKING AND WAREHOUSING.....	-	1,143.4	1,143.8	1,116.1	1,122.4	-	1,032.1	1,032.4	1,007.4	1,014.1
421,3	Trucking and trucking terminals.....	-	1,050.2	1,056.2	1,021.0	1,031.7	-	951.4	957.0	925.0	935.7
422	Public warehousing.....	-	93.2	87.6	95.1	90.7	-	80.7	75.4	82.4	78.4
45	TRANSPORTATION BY AIR.....	-	333.1	334.4	340.7	343.0	-	-	-	-	-
451,2	Air transportation.....	-	305.8	307.2	312.6	314.4	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	17.8	18.0	17.6	17.6	-	13.8	14.0	13.8	13.8
44,47	OTHER TRANSPORTATION AND SERVICES	-	269.2	313.7	320.8	321.0	-	-	-	-	-
44	Water transportation.....	-	166.4	205.9	214.9	215.5	-	-	-	-	-
47	Transportation services.....	-	102.8	107.8	105.9	105.5	-	-	-	-	-
48	COMMUNICATION.....	-	1,122.7	1,118.4	1,128.1	1,127.7	-	878.3	873.4	883.8	882.0
481	Telephone communication.....	-	937.6	932.8	945.9	945.5	-	741.3	735.9	750.3	749.2
482	Telegraph communication ³	-	(*)	29.6	29.5	30.0	-	(*)	20.2	20.1	20.3
483	Radio and television broadcasting.....	-	131.6	132.5	132.9	132.8	-	106.6	107.9	105.8	105.3
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	713.0	718.7	699.9	697.5	-	608.1	613.9	599.9	598.0
491	Electric companies and systems.....	-	298.0	300.0	292.9	290.5	-	254.2	255.7	249.2	247.1
492	Gas companies and systems.....	-	167.4	169.1	164.5	164.4	-	141.1	142.9	139.3	139.6
493	Combination companies and systems.....	-	189.0	190.5	188.1	188.5	-	161.5	163.2	163.8	164.0
494-7	Water, steam, & sanitary systems.....	-	58.6	59.1	54.4	54.1	-	51.3	52.1	47.6	47.3
-	WHOLESALE AND RETAIL TRADE.....	15,469	15,321	15,242	15,154	15,002	13,746	13,599	13,513	13,483	13,337
50	WHOLESALE TRADE.....	3,897	3,899	3,880	3,858	3,856	3,257	3,258	3,238	3,239	3,240
501	Motor vehicles & automotive equipment.....	-	346.3	344.6	330.9	329.6	-	280.6	278.9	269.4	268.4
502	Drugs, chemicals, and allied products.....	-	237.5	236.2	239.0	237.0	-	190.4	189.5	191.9	191.4
503	Dry goods and apparel.....	-	151.6	151.3	153.6	153.4	-	119.1	119.1	122.2	121.1
504	Groceries and related products.....	-	575.7	561.6	558.9	557.5	-	502.9	489.5	491.4	489.4
506	Electrical goods.....	-	343.0	343.3	331.3	328.3	-	288.3	288.1	280.3	277.4
507	Hardware; plumbing & heating equipment.....	-	173.3	174.4	170.0	170.7	-	147.2	148.0	143.5	144.4
508	Machinery, equipment, and supplies.....	-	720.9	723.3	735.3	739.4	-	608.3	609.8	624.7	628.3
509	Miscellaneous wholesalers.....	-	1,244.4	1,244.4	1,236.6	1,234.5	-	1,030.6	1,029.5	1,029.7	1,030.3
52-59	RETAIL TRADE.....	11,572	11,422	11,362	11,296	11,146	10,489	10,341	10,275	10,244	10,097
53	RETAIL GENERAL MERCHANDISE.....	-	2,383.0	2,317.7	2,463.5	2,311.6	-	2,185.5	2,117.9	2,269.0	2,118.2
531	Department stores.....	-	1,563.8	1,514.1	1,623.8	1,519.3	-	1,436.7	1,385.5	1,497.3	1,394.4
532	Mail order houses.....	-	129.1	122.1	154.0	136.7	-	120.8	113.6	145.0	127.5
533	Variety stores.....	-	326.1	321.5	336.8	317.2	-	300.0	295.3	311.9	292.7
54	FOOD STORES.....	-	1,786.8	1,774.9	1,762.2	1,750.8	-	1,660.0	1,648.9	1,638.6	1,626.8
541-3	Grocery, meat, and vegetable stores.....	-	1,617.4	1,606.7	1,592.6	1,582.6	-	1,502.0	1,492.0	1,479.8	1,469.6

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry--Continued

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970
WHOLESALE AND RETAIL TRADE (Continued)											
56	APPAREL AND ACCESSORY STORES		728.8	718.4	741.3	717.4	-	648.1	637.9	665.0	642.0
561	Men's & boys' clothing & furnishings		127.1	124.2	134.0	128.6	-	113.4	110.7	119.8	114.6
562	Women's ready-to-wear stores		277.9	271.8	279.3	269.5	-	248.1	242.3	250.9	241.3
565	Family clothing stores		103.5	101.2	108.6	104.2	-	95.8	93.5	101.0	96.8
566	Shoe stores		145.2	148.7	143.0	141.0	-	124.0	127.0	125.0	123.3
57	FURNITURE AND HOME FURNISHINGS STORES		466.3	459.3	46.10	456.9	-	404.0	398.0	400.8	398.0
571	Furniture and home furnishings		295.4	291.6	292.2	289.5	-	254.4	251.2	253.1	251.0
58	EATING AND DRINKING PLACES		2,587.5	2,641.4	2,463.7	2,508.9	-	2,429.5	2,474.1	2,306.2	2,349.0
52,55,59	OTHER RETAIL TRADE		3,469.4	3,450.7	3,403.9	3,400.6	-	3,013.9	2,997.7	2,964.8	2,963.3
52	Building materials and farm equipment		563.3	556.6	544.1	544.5	-	482.4	479.1	466.0	467.5
55	Automotive dealers & service stations		1,643.6	1,643.8	1,588.4	1,606.9	-	-	-	-	-
551,2	Motor vehicle dealers		759.6	758.0	730.1	748.9	-	639.0	637.4	612.9	631.1
553,9	Other automotive & accessory dealers		249.0	249.3	240.6	238.0	-	213.0	213.3	207.5	205.1
554	Gasoline service stations		635.0	636.5	617.7	620.0	-	-	-	-	-
59	Miscellaneous retail stores		1,262.5	1,250.3	1,271.4	1,249.2	-	-	-	-	-
591	Drug stores and proprietary stores		452.1	451.1	462.3	456.9	-	405.9	404.4	411.8	406.7
594	Book and stationery stores		64.3	63.8	65.4	65.2	-	55.4	55.0	56.5	56.3
596	Farm and garden supply stores		106.7	105.0	103.8	105.3	-	-	-	-	-
598	Fuel and ice dealers		108.2	104.7	113.0	108.6	-	93.1	89.9	98.8	94.5
	FINANCE, INSURANCE, AND REAL ESTATE⁴	3,839	3,825	3,829	3,706	3,699	3,015	3,008	3,012	2,921	2,919
60	Banking	-	1,081.5	1,080.1	1,057.0	1,053.2	-	881.5	881.8	867.4	865.1
61	Credit agencies other than banks	-	382.7	381.7	362.6	361.8	-	297.3	296.6	282.9	282.1
612	Savings and loan associations	-	122.1	121.1	109.3	109.2	-	97.7	96.9	87.3	87.3
614	Personal credit institutions	-	190.6	191.2	187.9	187.7	-	-	-	-	-
62	Security, commodity brokers & services	-	208.0	208.8	197.3	196.7	-	176.1	176.9	167.4	166.8
63	Insurance carriers	-	1,068.0	1,070.1	1,059.2	1,055.9	-	739.8	742.0	741.4	740.6
631	Life insurance	-	554.1	556.2	553.2	551.0	-	326.5	328.6	329.9	328.7
632	Accident and health insurance	-	97.2	96.6	95.3	94.8	-	83.5	82.9	82.5	81.9
633	Fire, marine, and casualty insurance	-	366.8	367.7	365.3	364.9	-	288.1	289.1	291.6	292.9
64	Insurance agents, brokers, and service	-	283.2	283.6	279.3	276.6	-	-	-	-	-
65	Real estate	-	714.4	716.9	662.4	666.7	-	-	-	-	-
655	Subdividers and developers	-	108.7	109.7	92.2	95.6	-	-	-	-	-
656	Operative builders	-	53.8	52.5	43.0	43.7	-	-	-	-	-
66,67	Other finance, insurance, & real estate	-	87.4	87.8	87.7	87.8	-	-	-	-	-
	SERVICES	12,037	12,032	11,986	11,738	11,745	10,893	10,889	10,843	10,653	10,658
70	Hotels and other lodging places	-	759.6	812.1	708.4	734.2	-	-	-	-	-
701	Hotels, tourist courts, and motels	-	649.7	690.1	637.8	660.8	-	599.9	637.6	587.9	611.4
72	Personal services	-	939.0	933.3	983.7	985.0	-	-	-	-	-
721	Laundries and dry cleaning plants	-	466.1	468.9	497.2	501.2	-	422.2	425.0	451.5	455.0
722	Photographic studios	-	45.4	39.9	43.6	44.1	-	41.0	35.5	38.4	38.5
73	Miscellaneous business services	-	1,652.5	1,644.9	1,638.3	1,640.1	-	-	-	-	-
731	Advertising	-	117.0	117.0	121.9	121.8	-	-	-	-	-
732	Credit reporting and collection	-	79.6	79.8	80.3	79.4	-	-	-	-	-
734	Services to buildings	-	307.0	306.2	298.3	298.7	-	-	-	-	-
76	Miscellaneous repair services	-	179.4	180.6	181.5	182.0	-	-	-	-	-
78	Motion pictures	-	193.5	205.2	202.7	205.4	-	-	-	-	-
781	Motion picture filming & distributing	-	49.6	50.8	56.9	57.6	-	31.2	32.1	37.4	37.1
782,3	Motion picture theaters and services	-	143.9	154.4	145.8	147.8	-	-	-	-	-
80	Medical and other health services	-	3,295.0	3,279.8	3,126.2	3,109.3	-	-	-	-	-
806	Hospitals	-	1,980.0	1,970.1	1,908.2	1,899.1	-	1,810.9	1,802.2	1,759.6	1,751.6
81	Legal services	-	254.1	252.7	241.8	240.2	-	-	-	-	-
82	Educational services	-	1,223.9	1,109.3	1,207.8	1,191.8	-	-	-	-	-
821	Elementary and secondary schools	-	407.1	381.4	409.6	406.0	-	-	-	-	-
822	Colleges and universities	-	688.2	604.5	683.7	673.2	-	-	-	-	-
89	Miscellaneous services	-	676.4	675.2	663.0	663.3	-	-	-	-	-
891	Engineering & architectural services	-	312.3	311.8	298.8	299.0	-	-	-	-	-
892	Nonprofit research agencies	-	111.3	110.4	105.6	104.8	-	-	-	-	-

See footnotes at end of table.

B-2: Employees on nonagricultural payrolls, by industry--Continued

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
-	GOVERNMENT	13,125	13,031	12,684	12,835	12,721	-	-	-	-	-
91	FEDERAL GOVERNMENT ⁵	2,663	2,659	2,666	2,648	2,643	-	-	-	-	-
	Executive	-	2,619.5	2,626.9	2,611.1	2,606.6	-	-	-	-	-
	Department of Defense	-	998.1	998.1	1,006.8	1,009.1	-	-	-	-	-
	Postal Service	-	703.7	705.6	725.0	718.0	-	-	-	-	-
	Other agencies	-	917.7	923.2	879.3	879.5	-	-	-	-	-
	Legislative	-	31.4	31.3	29.8	29.9	-	-	-	-	-
	Judicial	-	8.0	7.9	6.9	6.9	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	10,462	10,372	10,018	10,187	10,078	-	-	-	-	-
92	State government	-	2,835.7	2,705.4	2,775.7	2,755.0	-	-	-	-	-
	State education	-	1,224.4	1,072.1	1,204.2	1,181.9	-	-	-	-	-
	Other State government	-	1,611.3	1,633.3	1,571.5	1,573.1	-	-	-	-	-
93	Local government	-	7,535.9	7,312.5	7,411.4	7,322.7	-	-	-	-	-
	Local education	-	4,294.5	4,033.7	4,252.4	4,174.7	-	-	-	-	-
	Other local government	-	3,241.4	3,278.8	3,159.0	3,148.0	-	-	-	-	-

¹ Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in wholesale and retail trade; finance, insurance, and real estate; transportation and public utilities; and services. Transportation and public utilities, and services are included in Total Private but are not shown separately in this table.

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

³ Data for nonsupervisory workers exclude messengers.

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

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

* Not available.

p=preliminary.

SEASONALLY ADJUSTED EMPLOYMENT

Table B-4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted

1967 = 100

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919	41.1	55.1	184.8	31.8	54.8	33.5	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920	41.5	54.8	202.1	26.4	54.8	34.3	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1921	37.0	44.0	156.9	31.5	42.5	33.2	81.2	33.7	-	-	36.1	23.9	22.2	-	-
1922	39.2	48.3	151.5	36.9	46.9	34.3	82.3	36.0	-	-	35.5	24.8	22.3	-	-
1923	43.1	54.8	197.7	38.3	53.0	36.8	91.1	38.9	-	-	36.9	26.6	22.9	-	-
1924	42.6	52.0	179.6	41.2	49.7	37.4	89.3	39.7	-	-	38.2	27.5	23.9	-	-
1925	43.7	53.6	177.7	45.1	51.1	38.3	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926	45.3	55.4	193.3	48.5	52.2	39.7	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927	45.5	54.7	181.7	50.1	51.4	40.5	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928	45.6	54.2	171.3	50.1	51.1	40.8	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929	47.6	57.1	177.3	46.7	55.0	42.4	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930	44.7	51.3	164.6	42.8	49.2	41.0	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931	40.5	44.1	142.4	37.8	42.0	38.5	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932	35.9	37.1	119.2	30.2	35.6	35.2	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933	36.0	38.5	121.4	25.2	38.0	34.7	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934	39.4	44.0	144.0	26.9	43.7	36.9	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935	41.1	46.8	146.3	28.4	46.6	38.0	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936	44.2	51.2	154.3	35.7	50.5	40.3	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937	47.1	55.5	165.6	34.7	55.5	42.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938	44.4	48.9	145.4	32.9	48.5	41.8	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939	46.5	52.8	139.3	35.8	52.9	43.1	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940	49.2	56.7	150.9	40.3	56.5	45.0	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941	55.5	68.5	156.1	55.8	67.8	48.4	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942	60.9	79.3	161.8	67.6	78.6	50.9	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943	64.5	86.4	150.9	48.8	90.5	52.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944	63.6	83.0	145.5	34.1	89.1	53.0	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945	61.3	75.2	136.4	35.3	79.8	53.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946	63.3	74.0	140.6	51.8	75.6	57.4	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947	66.6	79.4	155.8	61.8	79.9	59.6	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948	68.2	80.6	162.2	67.6	80.1	61.4	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949	66.5	75.4	151.7	67.5	74.3	61.6	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950	68.7	79.4	147.0	72.7	78.4	62.8	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951	72.7	85.6	151.5	81.1	84.3	65.6	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952	74.1	86.7	146.5	82.1	85.5	67.3	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953	76.3	90.4	141.3	81.8	90.2	68.6	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954	74.4	84.7	129.0	81.4	83.9	68.8	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955	76.9	88.0	129.2	87.3	86.8	70.9	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956	79.6	90.5	134.1	93.5	88.7	73.6	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957	80.3	89.9	135.1	91.1	88.3	75.1	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958	78.0	83.7	122.5	86.6	82.0	74.9	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959	81.0	87.5	119.4	92.3	85.7	77.4	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960	82.4	87.6	116.2	89.9	86.4	79.5	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961	82.1	85.2	109.6	87.8	84.0	80.4	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962	84.4	87.7	106.0	90.5	86.7	82.6	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963	86.1	88.5	103.6	92.4	87.4	84.8	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964	88.6	90.1	103.4	95.1	88.8	87.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965	92.3	94.0	103.1	99.3	92.9	91.4	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966	97.1	99.3	102.3	102.1	98.8	95.9	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	103.1	101.7	98.9	102.4	101.7	103.9	101.1	103.5	102.4	103.9	104.9	105.2	103.9	100.7	105.0
1969	106.7	104.1	101.0	107.1	103.7	108.2	103.9	107.6	105.9	108.2	110.5	111.2	107.1	101.4	108.8
1970	107.2	100.3	101.5	104.3	99.6	111.0	105.7	109.7	108.5	110.1	114.4	115.2	110.0	99.5	113.3
1970: Nov..	106.3	96.4	101.8	102.7	95.2	111.6	105.7	109.5	108.6	109.9	115.4	116.3	111.2	98.0	115.3
1970: Dec..	106.8	97.6	101.6	102.9	96.7	111.7	104.4	109.9	108.7	110.3	115.7	116.6	111.3	97.9	115.5
1971: Jan..	107.0	97.3	102.0	102.0	96.4	112.3	105.8	110.5	109.0	111.1	116.2	116.8	111.6	97.9	115.9
1971: Feb..	106.9	96.7	101.5	99.7	96.1	112.4	106.2	110.7	109.1	111.2	116.2	116.9	111.8	97.9	116.2
1971: Mar..	107.0	96.7	101.5	101.7	95.7	112.7	106.1	110.8	109.3	111.3	116.5	117.2	112.2	97.9	116.7
1971: Apr..	107.2	96.9	101.6	102.3	95.8	112.8	105.7	111.0	109.3	111.6	116.9	117.3	112.6	98.1	117.1
1971: May..	107.5	97.1	101.5	102.1	96.2	113.1	106.0	111.3	109.7	111.9	117.5	117.4	112.8	98.1	117.4
1971: June..	107.3	96.6	101.0	101.5	95.7	113.1	105.6	111.2	108.9	112.1	118.0	117.8	112.6	97.1	117.5
1971: July..	107.1	96.1	97.4	100.6	95.3	113.0	105.0	111.4	108.8	112.3	118.0	118.0	112.4	97.2	117.2
1971: Aug..	107.1	95.8	99.3	100.3	94.9	113.3	103.9	111.9	109.0	112.9	118.0	118.3	112.7	97.5	117.4
1971: Sept..	107.6	96.6	100.5	101.3	95.7	113.6	104.7	112.3	109.6	113.2	118.5	118.4	112.8	98.3	117.3
1971: Oct. ^P	107.6	96.1	84.7	102.5	95.4	113.8	104.2	112.2	110.0	113.0	118.9	118.9	113.4	98.4	118.1
1971: Nov. ^P	107.7	96.3	84.0	102.9	95.6	113.9	104.3	111.8	109.7	112.5	119.5	119.3	113.6	98.3	118.4

^Ppreliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted

Industry division and group	(In thousands)												
	1971											1970	
	Nov. p	Oct. p	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
TOTAL	70,915	70,831	70,853	70,529	70,531	70,657	70,769	70,599	70,480	70,391	70,454	70,313	69,985
GOODS-PRODUCING	22,407	22,360	22,482	22,285	22,358	22,482	22,599	22,544	22,495	22,504	22,643	22,721	22,435
MINING	515	519	616	609	597	619	622	623	622	622	625	623	624
CONTRACT CONSTRUCTION	3,301	3,289	3,250	3,219	3,228	3,255	3,275	3,282	3,264	3,198	3,271	3,302	3,294
MANUFACTURING	18,591	18,552	18,616	18,457	18,533	18,608	18,702	18,639	18,609	18,684	18,747	18,796	18,517
DURABLE GOODS	10,566	10,555	10,597	10,485	10,552	10,598	10,651	10,598	10,571	10,642	10,697	10,738	10,449
Ordnance and accessories	186	188	190	191	191	193	196	194	195	200	208	212	217
Lumber and wood products	600	596	591	583	579	574	570	567	566	565	563	560	564
Furniture and fixtures	471	468	465	456	461	458	457	452	450	449	449	450	452
Stone, clay, and glass products	640	633	633	627	625	629	633	628	622	624	626	627	626
Primary metal industries	1,185	1,186	1,182	1,156	1,226	1,259	1,272	1,270	1,264	1,260	1,262	1,260	1,253
Fabricated metal products	1,335	1,341	1,346	1,331	1,335	1,333	1,339	1,333	1,298	1,328	1,328	1,333	1,304
Machinery, except electrical	1,797	1,788	1,794	1,775	1,770	1,769	1,783	1,784	1,796	1,810	1,829	1,854	1,870
Electrical equipment	1,789	1,793	1,791	1,772	1,773	1,783	1,793	1,789	1,787	1,792	1,800	1,816	1,811
Transportation equipment	1,718	1,718	1,758	1,754	1,751	1,759	1,768	1,745	1,753	1,771	1,782	1,773	1,497
Instruments and related products	434	436	435	430	431	430	429	426	429	432	437	438	442
Miscellaneous manufacturing	411	408	412	410	410	411	411	410	411	411	413	415	413
NONDURABLE GOODS	8,025	7,997	8,019	7,972	7,981	8,010	8,051	8,041	8,038	8,042	8,050	8,058	8,068
Food and kindred products	1,747	1,726	1,755	1,748	1,762	1,751	1,758	1,753	1,760	1,764	1,765	1,763	1,766
Tobacco manufactures	70	69	72	70	69	77	78	79	77	79	79	79	80
Textile mill products	969	963	960	959	959	956	963	958	958	959	962	961	960
Apparel and other textile products	1,373	1,366	1,361	1,351	1,349	1,357	1,373	1,374	1,368	1,359	1,356	1,360	1,358
Paper and allied products	691	692	694	681	676	682	681	690	689	691	693	695	697
Printing and publishing	1,082	1,086	1,082	1,080	1,083	1,088	1,091	1,088	1,092	1,096	1,099	1,099	1,101
Chemicals and allied products	1,006	1,007	1,008	1,004	1,008	1,016	1,024	1,021	1,021	1,026	1,030	1,033	1,037
Petroleum and coal products	189	190	190	188	188	189	190	190	191	192	192	191	190
Rubber and plastics products, nec	594	594	591	582	584	583	582	577	574	567	564	566	567
Leather and leather products	304	304	306	309	303	311	311	311	308	309	310	311	312
SERVICE-PRODUCING	48,508	48,471	48,371	48,244	48,173	48,175	48,170	48,055	47,985	47,887	47,811	47,592	47,550
TRANSPORTATION AND PUBLIC UTILITIES	4,445	4,442	4,460	4,428	4,476	4,500	4,518	4,505	4,520	4,526	4,507	4,450	4,506
WHOLESALE AND RETAIL TRADE	15,211	15,264	15,273	15,223	15,158	15,135	15,148	15,107	15,074	15,059	15,039	14,952	14,902
WHOLESALE TRADE	3,866	3,876	3,865	3,844	3,835	3,837	3,866	3,854	3,852	3,845	3,841	3,832	3,827
RETAIL TRADE	11,345	11,388	11,408	11,379	11,323	11,298	11,282	11,253	11,222	11,214	11,198	11,120	11,075
FINANCE, INSURANCE, AND REAL ESTATE	3,854	3,833	3,821	3,804	3,806	3,807	3,788	3,769	3,758	3,749	3,746	3,731	3,721
SERVICES	12,049	12,008	11,962	11,946	11,921	11,895	11,858	11,843	11,841	11,809	11,800	11,776	11,750
Hotels and other lodging places	-	785	796	760	755	775	768	768	766	766	770	768	756
Personal services	-	936	938	935	933	943	954	950	960	962	970	971	978
Medical and other health services	-	3,298	3,283	3,260	3,241	3,231	3,222	3,198	3,186	3,169	3,157	3,140	3,126
Educational services	-	1,178	1,160	1,139	1,142	1,155	1,167	1,168	1,168	1,153	1,147	1,151	1,147
GOVERNMENT	12,949	12,924	12,855	12,843	12,812	12,838	12,858	12,831	12,792	12,744	12,719	12,683	12,671
FEDERAL	2,672	2,675	2,674	2,650	2,643	2,640	2,667	2,667	2,662	2,662	2,661	2,661	2,664
STATE AND LOCAL	10,277	10,249	10,181	10,193	10,169	10,198	10,191	10,164	10,130	10,082	10,058	10,022	10,007

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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**B-6: Production or nonsupervisory workers¹ on private nonagricultural payrolls,
seasonally adjusted**

(In thousands)

Industry division and group	1971											1970	
	Nov. p	Oct. p	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
TOTAL	47,887	47,831	47,925	47,640	47,669	47,764	47,859	47,711	47,595	47,551	47,636	47,531	47,234
GOODS-PRODUCING	16,614	16,564	16,678	16,502	16,565	16,667	16,766	16,706	16,626	16,614	16,747	16,798	16,493
MINING	369	372	466	460	447	468	472	472	471	471	474	473	473
CONTRACT CONSTRUCTION	2,739	2,733	2,697	2,671	2,678	2,703	2,725	2,732	2,707	2,636	2,722	2,748	2,741
MANUFACTURING	13,506	13,459	13,515	13,371	13,440	13,496	13,569	13,502	13,448	13,507	13,551	13,577	13,279
DURABLE GOODS	7,623	7,600	7,630	7,534	7,594	7,627	7,667	7,612	7,569	7,625	7,665	7,686	7,384
Ordnance and accessories	91	93	94	94	93	95	98	97	99	102	108	111	114
Lumber and wood products	517	514	509	503	500	495	491	488	487	486	483	480	485
Furniture and fixtures	390	385	383	375	380	378	375	372	370	369	370	370	373
Stone, clay, and glass products	511	505	502	497	496	499	502	498	492	494	496	497	496
Primary metal industries	931	930	926	901	965	996	1,012	1,008	1,002	997	997	992	984
Fabricated metal products	1,014	1,021	1,026	1,016	1,016	1,013	1,020	1,014	980	1,006	1,007	1,011	981
Machinery, except electrical	1,181	1,171	1,175	1,159	1,156	1,152	1,159	1,163	1,172	1,183	1,198	1,217	1,229
Electrical equipment	1,192	1,190	1,185	1,167	1,169	1,179	1,184	1,177	1,173	1,177	1,183	1,192	1,183
Transportation equipment	1,219	1,214	1,251	1,248	1,244	1,246	1,253	1,225	1,225	1,237	1,245	1,236	961
Instruments and related products	260	261	260	256	257	256	255	253	253	256	260	261	263
Miscellaneous manufacturing	317	316	319	318	318	318	318	317	316	318	318	319	315
NONDURABLE GOODS	5,883	5,859	5,885	5,837	5,846	5,869	5,902	5,890	5,879	5,882	5,886	5,891	5,895
Food and kindred products	1,172	1,154	1,185	1,179	1,188	1,178	1,184	1,181	1,184	1,186	1,187	1,187	1,186
Tobacco manufactures	57	56	58	56	56	64	65	66	64	66	65	66	67
Textile mill products	849	845	842	841	841	838	845	840	839	841	845	842	841
Apparel and other textile products	1,201	1,193	1,189	1,180	1,179	1,188	1,204	1,202	1,197	1,189	1,187	1,192	1,189
Paper and allied products	531	531	533	520	515	520	519	527	526	529	531	532	535
Printing and publishing	658	664	661	658	661	667	667	666	668	671	672	675	674
Chemicals and allied products	580	580	582	577	582	585	588	584	583	586	588	588	592
Petroleum and coal products	116	116	116	115	115	115	116	116	116	118	116	116	115
Rubber and plastics products, nec	460	460	458	447	450	449	448	443	440	433	431	430	430
Leather and leather products	259	260	261	264	259	265	266	265	262	263	264	263	266
SERVICE-PRODUCING	31,273	31,267	31,247	31,138	31,104	31,097	31,093	31,005	30,969	30,937	30,889	30,733	30,741
TRANSPORTATION AND PUBLIC UTILITIES	3,841	3,841	3,860	3,836	3,864	3,897	3,914	3,904	3,916	3,920	3,904	3,844	3,901
WHOLESALE AND RETAIL TRADE	13,501	13,545	13,549	13,507	13,457	13,433	13,458	13,411	13,385	13,360	13,341	13,272	13,243
WHOLESALE TRADE	3,228	3,235	3,222	3,211	3,197	3,201	3,232	3,221	3,222	3,212	3,213	3,214	3,210
RETAIL TRADE	10,273	10,310	10,327	10,296	10,260	10,232	10,226	10,190	10,163	10,148	10,128	10,058	10,033
FINANCE, INSURANCE, AND REAL ESTATE	3,027	3,014	3,006	2,985	2,992	3,000	2,983	2,966	2,954	2,950	2,946	2,938	2,933
SERVICES	10,904	10,867	10,832	10,810	10,791	10,767	10,738	10,724	10,714	10,707	10,698	10,679	10,664

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970
1	ALABAMA	1,009.9	1,017.6	1,003.3	3.4	8.2	8.4	55.6	56.9	44.5	315.6	317.7	322.9
2	Birmingham	(*)	263.5	254.4	(*)	5.5	5.7	(*)	17.4	7.1	(*)	71.9	71.7
3	Huntsville	77.2	77.7	77.3	(1)	(1)	(1)	2.4	2.6	2.4	12.9	12.8	13.6
4	Mobile	(*)	102.7	104.3	(*)	(1)	(1)	(*)	6.6	6.7	(*)	23.0	24.5
5	Montgomery	70.5	70.5	69.0	(1)	(1)	(1)	5.1	5.1	5.1	10.3	10.3	10.3
6	Tuscaloosa	39.2	39.2	39.2	(1)	(1)	(1)	2.4	2.5	2.7	10.9	10.9	10.5
7	ALASKA	98.1	102.6	93.9	2.3	2.5	2.6	7.9	8.7	8.1	7.0	8.6	7.5
8	ARIZONA	571.7	563.1	548.7	21.6	21.6	20.9	43.6	43.3	37.9	87.3	86.8	86.9
9	Phoenix	340.8	333.6	326.9	.2	.2	.2	24.5	24.5	20.4	67.0	66.4	67.1
10	Tucson	113.5	112.4	107.1	7.0	7.0	6.7	10.8	10.9	9.9	9.3	9.2	9.2
11	ARKANSAS	543.7	546.2	535.3	4.6	4.6	4.6	26.9	28.6	26.9	169.0	169.1	167.1
12	Fayetteville	28.2	27.9	27.2	(1)	(1)	(1)	1.3	1.3	1.4	8.0	7.8	7.4
13	Fort Smith	46.6	47.3	46.1	5	5	6	2.0	2.3	2.9	17.0	17.3	16.2
14	Little Rock-North Little Rock	125.0	124.3	122.0	(1)	(1)	(1)	8.1	7.6	6.7	27.3	27.1	27.5
15	Pine Bluff	24.0	23.9	24.3	(1)	(1)	(1)	.8	.8	.9	5.5	5.6	5.6
16	CALIFORNIA	7,027.6	7,045.7	7,024.7	29.2	29.5	31.3	297.9	299.1	300.7	1,470.6	1,507.7	1,533.3
17	Anaheim-Santa Ana-Garden Grove	417.9	416.9	415.1	2.0	2.1	1.9	20.6	20.8	20.3	112.8	114.4	117.6
18	Bakersfield	92.3	91.8	90.2	6.3	6.4	6.3	3.7	3.7	3.7	8.1	8.1	7.7
19	Fresno	126.3	125.5	123.4	.7	.7	.8	5.8	5.9	5.4	19.8	21.0	19.0
20	Los Angeles-Long Beach	2,863.4	2,855.3	2,888.6	10.7	10.7	11.1	102.4	103.5	109.3	752.4	750.5	789.3
21	Modesto	58.2	65.4	57.2	.1	.1	.1	3.7	3.7	3.3	16.0	23.8	16.0
22	Oxnard-Ventura	95.7	94.9	92.2	1.7	1.7	1.8	4.6	4.6	4.1	13.4	13.4	13.4
23	Sacramento	272.1	273.9	267.8	.1	.1	.1	14.4	13.9	12.4	21.5	25.8	23.4
24	Salinas-Monterey	65.6	65.8	65.5	.5	.5	.6	2.3	2.3	2.2	7.6	7.3	7.8
25	San Bernardino-Riverside-Ontario	297.6	294.8	293.5	2.5	2.5	2.4	13.3	13.4	13.5	52.3	52.3	53.0
26	San Diego	398.3	399.5	384.4	.5	.5	.5	21.8	22.2	19.4	61.2	61.5	62.3
27	San Francisco-Oakland	1,236.9	1,238.7	1,246.3	1.8	1.8	2.0	58.6	57.9	60.8	186.4	195.7	193.6
28	San Jose	375.9	383.2	375.5	.1	.1	.1	17.6	17.9	17.5	116.7	126.1	119.9
29	Santa Barbara	81.7	80.9	81.9	.9	.9	1.0	3.5	3.5	3.5	9.3	9.0	10.2
30	Santa Rosa	53.5	53.7	51.7	.3	.3	.2	2.7	2.6	2.6	7.4	7.4	7.6
31	Stockton	90.6	94.5	89.6	.1	.1	.1	4.8	4.7	3.9	17.0	22.2	17.0
32	Vallejo-Napa	70.7	70.7	69.1	.2	.2	.1	2.5	2.6	2.3	7.6	8.1	7.8
33	COLORADO	777.9	773.2	755.4	12.7	13.6	14.0	44.4	44.4	42.7	120.2	119.1	120.9
34	Denver	499.6	499.4	488.0	5.0	5.0	4.8	31.1	31.1	30.4	86.2	86.9	86.3
35	CONNECTICUT	1,172.2	1,176.5	1,196.0	(3)	(3)	(3)	56.5	56.7	60.0	401.9	405.0	429.2
36	Bridgeport	143.9	144.9	150.8	(3)	(3)	(3)	6.1	6.3	6.6	61.2	61.6	67.7
37	Hartford	319.8	319.7	323.4	(3)	(3)	(3)	17.7	16.7	17.0	85.5	86.6	95.6
38	New Britain	43.8	43.6	45.5	(3)	(3)	(3)	1.9	2.0	2.0	21.7	21.7	23.5
39	New Haven	158.7	158.6	159.2	(3)	(3)	(3)	9.2	9.6	8.8	38.7	39.3	41.2
40	Stamford	82.2	82.7	84.0	(3)	(3)	(3)	4.0	4.0	4.3	26.6	26.6	28.7
41	Waterbury	77.0	77.6	77.1	(3)	(3)	(3)	4.1	4.4	4.0	34.1	34.3	35.0
42	DELAWARE	212.1	211.7	210.1	(1)	(1)	(1)	13.7	13.3	12.8	71.1	71.4	68.0
43	Wilmington	188.7	188.3	187.4	(1)	(1)	(1)	12.5	12.1	11.9	66.9	67.0	64.9
44	DISTRICT OF COLUMBIA	691.4	688.7	683.1	(1)	(1)	(1)	20.7	20.7	21.0	17.9	17.8	18.4
45	Washington SMSA	1,190.1	1,185.6	1,162.8	(1)	(1)	(1)	71.1	72.0	71.4	43.4	43.4	42.9
46	FLORIDA	(*)	2,162.3	2,152.3	(*)	8.1	8.5	(*)	167.4	170.3	(*)	312.1	316.3
47	Fort Lauderdale-Hollywood	(*)	169.3	169.9	(*)	(1)	(1)	(*)	21.2	20.9	(*)	18.6	19.8
48	Jacksonville	(*)	193.1	191.8	(*)	(1)	(1)	(*)	12.4	11.8	(*)	25.1	24.9
49	Miami	(*)	507.9	502.2	(*)	(1)	(1)	(*)	32.5	32.6	(*)	77.5	76.6
50	Orlando	158.0	153.8	141.1	(1)	(1)	(1)	17.9	19.7	15.5	21.0	20.8	19.9
51	Pensacola	69.2	69.1	67.7	(1)	(1)	(1)	4.9	5.0	5.1	14.5	14.6	14.5
52	Tampa-St. Petersburg	(*)	317.7	307.3	(*)	(1)	(1)	(*)	27.9	24.4	(*)	54.4	53.9
53	West Palm Beach	107.5	106.1	107.7	(1)	(1)	(1)	8.9	8.8	10.0	18.4	19.4	20.4
54	GEORGIA	1,565.1	1,561.5	1,542.0	7.1	7.1	6.8	81.4	82.0	77.4	453.8	454.7	450.7
55	Atlanta	621.0	618.6	608.6	(1)	(1)	(1)	32.3	33.3	33.1	112.4	112.9	112.0
56	Augusta	90.1	89.7	87.0	(1)	(1)	(1)	6.1	6.1	4.7	29.7	29.7	29.4
57	Columbus	69.8	69.7	68.6	(1)	(1)	(1)	3.5	3.6	4.1	18.8	18.6	18.8
58	Macon	78.2	78.1	77.2	(1)	(1)	(1)	3.8	3.8	4.2	13.9	14.1	12.9
59	Savannah	64.9	66.5	65.5	(1)	(1)	(1)	4.3	4.2	4.4	15.3	15.3	15.0
60	HAWAII	292.3	293.6	289.6	(1)	(1)	(1)	20.5	20.7	24.2	21.1	22.9	22.3
61	Honolulu	248.3	249.2	248.5	(1)	(1)	(1)	17.6	17.9	21.3	14.9	16.3	15.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**
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. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	
54.1	56.3	55.4	191.0	192.1	189.9	42.5	42.6	41.6	131.2	131.4	130.1	216.5	212.4	210.5	1
(*)	19.3	19.1	(*)	61.3	60.1	(*)	17.5	17.0	(*)	37.1	37.4	(*)	33.5	36.3	2
1.7	1.7	1.7	11.6	11.6	11.4	2.0	2.1	2.0	16.5	16.5	17.4	30.1	30.4	28.8	3
(*)	9.9	9.8	(*)	25.7	25.5	(*)	5.0	5.0	(*)	15.7	16.0	(*)	16.8	16.8	4
4.0	4.1	4.1	15.9	16.0	15.7	4.6	4.7	4.2	11.2	11.1	10.9	19.4	19.2	18.7	5
1.6	1.6	1.6	6.5	6.6	6.5	1.2	1.2	1.2	3.7	3.7	3.8	12.9	12.7	12.9	6
10.0	10.6	8.9	16.3	16.5	15.7	3.5	3.5	3.2	13.0	13.4	11.5	38.1	38.8	36.4	7
31.3	31.2	30.7	132.6	130.1	129.0	32.2	32.1	30.3	93.3	92.1	90.8	129.8	125.9	122.2	8
18.6	18.4	18.3	84.9	82.4	82.4	24.5	24.4	22.5	57.0	55.8	55.4	64.1	61.5	60.6	9
5.9	6.0	5.8	25.2	24.6	24.1	5.0	5.0	4.8	19.8	19.6	19.1	30.5	30.1	27.5	10
33.3	33.1	33.4	108.6	109.6	105.8	21.9	22.1	21.2	75.2	76.6	73.5	104.2	102.5	102.8	11
2.5	2.5	2.3	5.7	5.7	5.3	.6	.6	.6	3.5	3.5	3.4	6.6	6.5	6.8	12
2.8	2.8	2.7	9.6	9.7	9.5	1.5	1.5	1.4	7.1	7.1	6.8	6.1	6.1	6.0	13
9.6	9.5	9.5	27.5	27.6	26.8	8.8	8.8	8.5	18.8	19.0	18.6	24.9	24.7	24.4	14
3.3	3.3	3.2	4.7	4.7	4.6	.9	.9	.9	3.2	3.2	3.4	5.6	5.4	5.7	15
459.4	459.8	469.8	1,586.1	1,588.3	1,565.1	398.3	398.6	386.1	1,315.0	1,322.1	1,300.5	1,471.1	1,440.6	1,437.9	16
14.4	14.5	14.5	101.3	100.9	98.6	23.1	23.0	22.3	72.0	73.4	71.9	71.7	67.8	68.0	17
6.2	6.3	6.5	21.6	22.0	20.8	3.7	3.7	3.6	15.9	15.1	15.4	26.8	26.5	26.2	18
8.4	8.3	8.3	33.8	34.3	32.9	5.7	5.7	5.4	22.5	21.7	22.7	29.6	27.9	28.9	19
171.9	173.1	178.0	651.3	651.3	650.4	176.8	176.7	173.5	564.0	564.4	555.1	433.9	425.1	421.9	20
2.7	2.8	2.6	13.3	13.1	12.8	1.4	1.4	1.4	10.2	10.2	10.2	10.8	10.3	10.8	21
4.3	4.1	3.9	22.5	22.9	22.2	3.8	3.8	3.5	15.3	15.3	14.5	30.1	29.1	28.8	22
18.1	18.3	17.8	57.2	56.2	55.5	11.9	11.8	10.9	39.6	40.0	38.5	109.3	107.8	109.2	23
4.0	4.0	4.2	18.4	18.8	18.3	2.3	2.3	2.4	12.6	13.2	12.3	17.9	17.4	17.7	24
17.3	17.4	17.1	67.1	67.0	66.1	10.7	10.7	10.2	57.4	55.8	55.6	77.0	75.7	75.6	25
21.1	21.2	20.5	91.2	90.9	87.1	21.1	21.0	19.5	77.2	79.8	75.8	104.2	102.4	99.3	26
127.4	124.6	132.2	265.1	266.1	265.3	99.3	98.9	98.2	224.1	224.5	221.9	274.2	269.2	272.3	27
18.1	18.3	17.4	72.3	72.1	72.2	14.6	14.5	13.6	75.1	74.4	74.7	61.4	59.8	60.1	28
3.4	3.4	3.3	18.9	18.9	18.3	3.3	3.3	3.3	20.6	20.5	20.1	21.8	21.4	22.2	29
2.7	2.9	2.6	13.4	13.5	12.3	3.4	3.4	3.3	9.5	9.9	9.2	14.1	13.7	13.9	30
7.0	6.6	7.0	20.3	20.0	20.1	3.0	3.0	3.0	14.4	14.5	14.3	24.0	23.4	24.2	31
3.7	3.7	3.6	13.0	13.1	12.3	1.9	1.9	1.7	11.1	10.8	11.0	30.7	30.3	30.3	32
54.2	54.6	53.0	183.5	182.5	175.7	40.9	41.2	40.3	134.1	134.4	131.2	187.9	183.4	177.6	33
37.5	38.0	36.7	124.0	123.6	120.1	29.8	30.1	29.9	89.5	89.2	89.2	96.5	95.5	90.6	34
54.9	55.1	55.7	230.8	229.8	230.0	77.5	77.7	75.8	190.0	192.0	186.7	160.5	160.2	158.6	35
6.6	6.6	6.4	28.5	28.5	28.7	5.0	5.0	4.8	21.4	21.7	21.2	15.2	15.2	15.3	36
13.1	13.0	12.6	64.7	64.0	63.2	45.5	45.8	44.1	48.5	48.7	47.0	44.9	45.0	43.9	37
1.4	1.4	1.4	7.2	7.1	7.0	1.3	1.3	1.2	5.2	5.2	5.2	5.1	5.0	5.1	38
14.7	14.6	14.3	33.3	32.6	32.6	8.5	8.5	8.4	34.4	34.4	34.0	19.9	19.6	20.0	39
3.7	3.7	3.5	17.2	17.3	17.0	4.9	4.9	4.8	17.7	18.0	17.6	8.2	8.2	8.1	40
3.4	3.4	3.3	13.1	13.2	13.1	2.4	2.4	2.3	10.7	10.8	10.5	9.1	9.2	8.9	41
11.1	11.2	11.0	42.7	42.7	45.3	9.6	9.7	9.5	30.2	30.9	30.2	33.7	32.5	33.3	42
10.0	10.0	9.7	37.3	37.2	38.3	8.5	8.6	8.5	25.7	26.4	26.2	27.8	27.0	27.9	43
29.2	29.5	29.8	80.4	79.9	81.2	32.9	33.2	33.3	138.9	137.7	136.6	371.4	369.9	362.8	44
59.3	60.3	60.4	234.9	232.7	228.6	69.8	69.6	68.4	257.6	256.8	253.1	454.0	450.8	438.0	45
(*)	160.3	156.9	(*)	567.2	566.1	(*)	136.5	133.2	(*)	397.4	391.9	(*)	413.3	409.1	46
(*)	10.1	9.3	(*)	48.3	50.1	(*)	11.6	11.2	(*)	32.5	31.9	(*)	27.0	26.7	47
(*)	20.9	20.7	(*)	52.1	52.6	(*)	18.9	18.6	(*)	30.1	30.0	(*)	33.6	33.2	48
(*)	56.5	57.6	(*)	134.3	132.5	(*)	34.2	32.9	(*)	113.1	112.4	(*)	59.8	57.6	49
9.1	9.0	8.5	42.2	40.6	39.3	10.1	10.1	9.8	33.6	29.9	25.3	24.1	23.7	22.8	50
3.6	3.8	3.6	15.3	14.9	14.1	2.7	2.7	2.7	9.5	9.4	9.5	18.7	18.7	18.2	51
(*)	22.9	22.0	(*)	90.1	87.0	(*)	18.7	18.3	(*)	58.2	57.2	(*)	45.5	44.5	52
5.3	5.2	5.1	28.0	27.4	27.3	7.1	6.9	7.0	22.8	21.8	21.5	17.0	16.6	16.4	53
107.3	108.5	107.1	334.4	332.5	330.9	78.7	78.7	78.6	191.0	190.7	188.6	311.4	307.3	301.9	54
60.9	60.8	59.1	175.2	172.5	168.3	46.2	46.1	45.0	95.2	95.0	93.3	98.8	98.0	97.8	55
3.8	3.8	3.7	16.0	15.8	15.3	3.1	3.1	3.0	10.4	10.3	10.4	21.0	20.9	20.5	56
3.4	3.4	3.4	14.0	13.8	13.5	4.3	4.3	3.9	9.4	9.6	8.8	16.4	16.4	16.1	57
3.3	3.4	3.5	15.4	15.4	14.6	4.4	4.4	4.2	9.1	9.1	9.7	28.3	27.9	28.1	58
5.9	7.5	7.2	14.7	14.7	14.9	3.4	3.4	3.3	9.5	9.5	9.5	11.8	11.9	11.2	59
23.7	23.7	24.0	69.7	69.9	70.2	19.3	19.2	18.3	61.4	60.9	56.2	76.6	76.3	74.4	60
20.1	20.1	20.4	59.2	59.4	60.4	17.6	17.5	16.7	52.1	51.5	48.6	66.8	66.5	65.2	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970
1	IDAHO	219.9	221.6	214.8	3.5	3.5	3.7	12.6	12.8	12.6	43.7	41.9	42.7
2	Boise	45.6	46.1	42.9	(1)	(1)	(1)	2.9	2.8	2.8	5.4	5.3	4.9
3	ILLINOIS	4,282.4	4,282.9	4,354.8	15.1	23.4	23.2	184.0	187.0	195.9	1,269.5	1,279.6	1,326.6
4	Chicago ⁵	2,948.4	2,942.8	2,984.7	4.3	4.4	4.6	116.5	118.0	122.5	880.4	884.3	922.4
5	Chicago-Northwestern Indiana	(*)	3,170.5	3,206.7	(*)	4.5	4.7	(*)	130.0	135.0	(*)	977.9	1,028.8
6	Davenport-Rock Island-Moline	131.0	131.9	132.7	(3)	(3)	(3)	7.2	7.3	7.3	40.1	41.3	42.2
7	Peoria	134.3	133.1	132.7	(3)	(3)	(3)	9.3	9.0	8.5	48.2	48.0	48.4
8	Rockford	105.9	106.9	108.7	(3)	(3)	(3)	4.1	4.3	4.5	49.6	50.0	52.0
9	INDIANA ²	1,836.4	1,853.4	1,824.0	4.8	7.3	7.2	79.9	81.1	83.2	677.1	690.7	670.7
10	Evansville	(*)	89.8	90.2	(*)	1.4	1.4	(*)	4.4	4.6	(*)	33.7	33.9
11	Fort Wayne	(*)	119.9	119.7	(*)	(1)	(1)	(*)	5.0	5.3	(*)	42.8	43.9
12	Gary-Hammond-East Chicago ⁵	(*)	209.8	222.0	(*)	(1)	(1)	(*)	11.9	12.5	(*)	93.2	106.4
13	Indianapolis	(*)	416.3	412.9	(*)	(1)	(1)	(*)	18.0	18.5	(*)	124.0	121.5
14	Muncie	(*)	46.4	44.5	(*)	(1)	(1)	(*)	1.8	2.0	(*)	17.2	15.0
15	South Bend	(*)	92.6	94.0	(*)	(1)	(1)	(*)	3.8	4.1	(*)	30.7	31.5
16	Terre Haute	(*)	56.2	56.5	(*)	1.2	1.0	(*)	3.0	3.0	(*)	15.4	15.8
17	IOWA	887.9	889.9	884.0	3.0	3.1	3.1	43.8	45.9	44.8	206.1	208.1	210.3
18	Cedar Rapids	(*)	65.1	65.0	(*)	(1)	(1)	(*)	4.1	3.2	(*)	23.0	24.4
19	Des Moines	(*)	129.0	128.9	(*)	(1)	(1)	(*)	6.9	6.4	(*)	24.6	23.6
20	Dubuque	(*)	34.9	33.9	(*)	(1)	(1)	(*)	1.9	1.6	(*)	14.2	13.4
21	Sioux City	(*)	41.7	42.7	(*)	(1)	(1)	(*)	2.3	2.0	(*)	9.4	10.7
22	Waterloo	(*)	48.8	49.1	(*)	(1)	(1)	(*)	2.4	2.2	(*)	17.2	17.1
23	KANSAS ²	674.0	674.5	668.6	10.1	10.1	10.7	32.8	33.2	32.7	129.4	130.1	125.6
24	Topeka ²	63.0	62.9	62.7	.1	.1	.1	2.8	2.9	3.4	9.3	9.4	9.1
25	Wichita ²	135.3	135.0	136.4	2.3	2.2	2.6	7.1	7.1	5.9	34.7	34.6	36.3
26	KENTUCKY	940.1	950.0	936.0	20.1	30.3	29.5	61.5	60.1	55.5	250.8	249.8	253.6
27	Lexington	81.8	80.8	80.8	(1)	(1)	(1)	4.6	4.4	4.8	16.9	16.9	17.4
28	Louisville	332.2	333.1	332.2	(1)	(1)	(1)	19.1	19.2	16.5	107.2	107.6	113.6
29	LOUISIANA	1,057.7	1,055.9	1,056.6	50.2	50.5	50.6	75.1	74.4	76.1	176.2	174.4	177.0
30	Baton Rouge	106.7	105.8	104.1	.5	.5	.5	12.5	12.1	12.0	17.9	18.1	18.2
31	Lake Charles	42.0	41.7	41.5	1.5	1.4	1.4	4.6	4.5	5.0	9.6	9.3	9.1
32	Monroe	38.5	38.3	37.3	.4	.4	.4	3.5	3.4	2.9	6.5	6.5	6.2
33	New Orleans	370.4	377.2	374.2	12.9	13.1	13.5	23.8	23.6	23.5	53.2	53.2	52.9
34	Shreveport	93.6	93.8	92.5	3.5	3.5	3.8	5.5	5.5	6.0	16.7	16.8	16.1
35	MAINE	329.4	329.0	332.7	(1)	(1)	(1)	16.9	17.1	17.3	103.1	102.6	107.9
36	Lawiston-Auburn	27.9	28.1	29.1	(1)	(1)	(1)	1.6	1.6	1.6	11.9	12.0	13.1
37	Portland	64.8	65.3	65.6	(1)	(1)	(1)	3.6	3.6	3.8	13.1	13.2	13.7
38	MARYLAND ⁴	1,328.2	1,330.1	1,313.5	1.7	1.9	2.0	96.3	97.7	94.3	251.8	253.5	264.7
39	Baltimore	811.1	810.9	810.8	.3	.3	.3	48.0	48.4	46.9	180.0	179.4	189.5
40	MASSACHUSETTS	2,271.3	2,258.4	2,279.5	(1)	(1)	(1)	106.3	109.1	106.3	605.3	604.4	632.1
41	Boston	1,285.0	1,284.4	1,291.7	(1)	(1)	(1)	55.9	58.3	57.7	257.9	258.2	268.1
42	Brockton	52.5	52.1	53.0	-	-	-	1.8	2.0	2.1	15.2	15.0	16.4
43	Fall River	45.8	46.1	46.4	(1)	(1)	(1)	(1)	(1)	(1)	20.2	20.3	20.7
44	Lawrence-Haverhill	81.8	81.1	81.9	(1)	(1)	(1)	2.5	2.5	2.7	36.6	36.4	37.6
45	Lowell	52.7	52.7	53.7	(1)	(1)	(1)	2.8	3.0	2.8	19.3	19.4	20.7
46	New Bedford	56.0	56.3	55.8	(1)	(1)	(1)	1.8	1.9	1.8	24.8	24.9	25.5
47	Springfield-Chicopee-Holyoke	190.2	189.4	192.6	(1)	(1)	(1)	8.6	8.8	8.4	61.0	61.0	64.4
48	Worcester	127.5	127.6	130.2	(1)	(1)	(1)	5.8	6.0	6.0	40.1	40.2	44.2
49	MICHIGAN	2,998.7	2,990.7	2,860.8	12.4	10.1	12.6	114.2	114.8	112.8	1,062.0	1,065.1	923.7
50	Ann Arbor	105.4	104.9	100.1	(1)	(1)	(1)	2.0	2.2	2.7	37.9	38.1	28.0
51	Battle Creek	62.0	62.0	61.4	(1)	(1)	(1)	1.8	1.9	1.8	25.1	25.2	25.3
52	Bay City	30.9	31.0	28.7	(1)	(1)	(1)	1.7	1.6	1.5	10.8	10.9	8.9
53	Detroit	1,496.7	1,494.5	1,443.3	.8	.8	.9	61.0	61.3	57.5	539.7	541.8	498.1
54	Flint	165.0	163.3	109.8	(1)	(1)	(1)	3.5	3.6	4.1	77.8	78.1	24.8
55	Grand Rapids	193.7	193.7	186.5	(1)	(1)	(1)	8.3	8.6	8.5	71.5	71.9	66.2
56	Jackson	45.9	45.8	45.3	(1)	(1)	(1)	1.7	1.7	1.7	16.4	16.5	16.4
57	Kalamazoo	75.6	75.5	71.4	(1)	(1)	(1)	3.5	3.5	3.2	26.9	26.9	25.0
58	Lansing	138.6	131.1	116.8	(1)	(1)	(1)	7.4	7.6	5.8	37.8	38.2	20.5
59	Muskegon-Muskegon Heights	51.2	49.7	50.7	(1)	(1)	(1)	1.5	1.5	1.7	23.2	21.9	23.7
60	Saginaw	76.5	76.6	58.9	(1)	(1)	(1)	4.0	4.0	3.2	33.6	33.7	17.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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. 1971 P	Sept. 1971	Oct. 1970	Oct. 1971 P	Sept. 1971	Oct. 1970	Oct. 1971 P	Sept. 1971	Oct. 1970	Oct. 1971 P	Sept. 1971	Oct. 1970	Oct. 1971 P	Sept. 1971	Oct. 1970	
14.6	14.7	14.5	51.7	52.3	50.6	8.5	8.5	8.1	34.3	35.1	32.4	51.0	52.8	50.2	1
3.4	3.4	3.4	12.1	12.3	11.8	3.1	3.2	2.9	7.2	7.3	6.7	11.5	11.8	10.4	2
285.5	286.1	292.1	940.7	936.3	945.6	238.6	239.4	235.0	704.5	704.8	692.4	644.5	626.4	644.0	3
206.8	207.8	211.5	670.4	666.9	672.6	186.5	187.0	184.1	518.7	516.5	507.0	364.8	357.9	360.0	4
(*)	221.6	225.6	(*)	702.6	709.5	(*)	193.1	190.3	(*)	544.4	530.2	(*)	396.5	382.6	5
7.3	6.9	7.3	29.6	29.5	29.5	5.3	5.3	5.3	19.0	19.0	18.7	22.5	22.5	22.5	6
7.4	7.3	7.3	28.8	28.4	28.6	5.4	5.4	5.4	19.8	19.5	18.9	15.5	15.4	15.7	7
3.5	3.5	3.5	21.0	21.1	20.8	3.1	3.1	3.1	14.4	14.8	14.4	10.1	10.1	10.1	8
99.0	99.7	102.2	371.6	371.9	368.9	76.3	76.6	76.1	226.6	228.1	221.5	301.2	297.8	294.2	9
(*)	5.3	5.4	(*)	19.4	19.5	(*)	3.2	3.2	(*)	13.5	13.6	(*)	8.9	8.6	10
(*)	8.7	8.3	(*)	28.2	28.0	(*)	6.8	6.7	(*)	15.6	15.3	(*)	12.8	12.2	11
(*)	14.4	14.1	(*)	36.0	36.9	(*)	6.2	6.2	(*)	23.4	23.3	(*)	24.7	22.6	12
(*)	28.4	28.8	(*)	94.1	94.8	(*)	28.7	29.0	(*)	55.0	53.7	(*)	68.1	66.6	13
(*)	2.3	2.4	(*)	9.5	9.4	(*)	1.4	1.5	(*)	5.4	5.1	(*)	8.8	9.1	14
(*)	4.8	4.9	(*)	21.2	21.1	(*)	5.0	5.0	(*)	16.2	16.4	(*)	10.9	11.0	15
(*)	4.2	4.2	(*)	13.1	13.6	(*)	1.8	1.7	(*)	6.6	6.4	(*)	10.9	10.8	16
50.7	51.1	50.3	212.4	214.7	209.3	41.8	42.1	41.3	150.1	148.7	147.1	179.9	176.2	177.8	17
(*)	3.3	3.2	(*)	13.5	13.7	(*)	3.1	3.0	(*)	10.2	10.1	(*)	7.8	7.3	18
(*)	9.4	9.4	(*)	31.1	32.6	(*)	15.5	15.1	(*)	22.5	22.6	(*)	19.0	19.2	19
(*)	1.6	1.7	(*)	7.0	7.0	(*)	1.0	.9	(*)	6.4	6.4	(*)	2.9	2.8	20
(*)	3.1	3.2	(*)	11.7	11.7	(*)	2.1	2.1	(*)	7.6	7.6	(*)	5.5	5.5	21
(*)	2.3	2.4	(*)	11.0	10.6	(*)	1.4	1.5	(*)	7.2	7.1	(*)	7.3	8.1	22
50.5	50.9	52.0	158.9	159.6	158.3	30.7	30.8	30.3	103.6	103.7	102.9	158.0	156.1	156.1	23
6.6	6.6	7.1	13.5	13.4	13.1	4.2	4.2	4.1	10.3	10.3	10.3	16.4	16.2	15.8	24
7.8	7.9	8.1	31.2	31.2	31.6	6.8	6.8	6.9	24.9	25.0	24.8	20.7	20.3	20.4	25
59.5	60.0	59.1	184.5	185.9	182.5	35.9	36.2	34.8	141.3	142.6	138.9	186.5	185.1	182.1	26
4.5	4.4	4.3	16.1	15.8	16.1	3.6	3.7	3.5	14.0	13.4	13.3	22.1	22.2	21.4	27
23.2	23.3	23.1	72.2	72.4	70.3	17.5	17.4	17.1	49.4	49.7	47.5	43.6	43.5	44.1	28
89.0	93.2	93.0	229.6	228.8	230.2	50.6	50.6	49.4	159.1	159.9	159.0	227.9	224.1	221.3	29
5.2	5.3	5.3	22.0	22.0	21.3	6.1	6.0	5.5	14.4	14.5	14.2	28.1	27.4	27.1	30
3.1	3.3	3.2	8.6	8.6	8.4	1.4	1.4	1.4	5.9	6.0	5.9	7.3	7.2	7.1	31
2.2	2.2	2.3	9.9	9.8	9.7	2.4	2.4	2.3	5.6	5.6	5.4	8.0	8.0	8.1	32
38.8	46.2	46.1	90.9	90.7	90.0	23.0	23.1	22.7	68.5	68.2	68.2	59.3	59.1	57.3	33
9.1	9.2	9.1	23.0	23.0	22.9	4.5	4.5	4.4	15.3	15.3	14.5	16.0	16.0	15.7	34
17.4	17.9	17.4	66.3	66.9	66.3	12.5	12.5	12.5	43.2	44.4	43.2	70.0	67.6	68.1	35
1.0	1.0	.9	6.0	6.1	6.3	.9	.9	.9	4.3	4.3	4.3	2.2	2.2	2.0	36
5.5	5.7	5.1	17.3	17.4	17.7	5.5	5.5	5.6	11.2	11.5	11.7	8.6	8.4	8.0	37
77.4	82.8	82.3	324.8	322.1	310.6	71.4	71.8	69.5	248.6	250.6	238.7	256.2	249.7	251.4	38
53.2	58.3	58.3	184.2	182.6	179.6	44.4	44.6	43.8	141.6	141.5	136.6	159.4	155.8	155.8	39
119.5	120.5	117.2	501.0	496.3	502.2	128.6	128.4	128.7	479.8	474.8	471.9	330.8	324.9	321.1	40
74.4	75.9	73.9	303.4	298.9	304.6	93.9	93.8	95.1	321.6	321.8	315.5	177.9	177.5	176.8	41
4.0	4.0	4.0	13.2	13.0	13.0	1.5	1.5	1.5	7.8	7.6	7.4	9.0	9.0	8.6	42
2.0	2.0	2.1	10.0	10.0	10.0	(1)	(1)	(1)	9.0	9.2	9.1	4.6	4.6	4.5	43
2.7	2.7	2.7	15.4	14.9	15.3	2.4	2.4	2.4	11.0	11.0	10.8	11.2	11.2	10.4	44
2.4	2.3	2.4	11.4	11.3	11.4	1.5	1.5	1.5	8.4	8.4	8.0	6.9	6.8	6.9	45
3.4	3.4	3.2	11.1	10.8	10.8	(1)	(1)	(1)	9.7	9.8	9.5	5.2	5.2	5.0	46
8.9	9.0	9.0	40.2	39.2	40.7	9.5	9.5	9.6	35.8	35.9	35.0	26.2	26.0	25.5	47
7.1	7.1	6.7	27.0	26.8	26.5	7.0	6.9	7.1	23.6	23.7	22.8	16.9	16.9	16.9	48
150.4	151.5	149.2	592.9	600.1	595.3	119.8	120.9	118.1	426.7	428.3	430.8	520.2	499.9	518.3	49
2.4	2.4	2.5	13.3	12.9	13.3	2.6	2.6	2.5	10.3	10.7	10.6	36.8	36.0	40.6	50
2.7	2.7	2.7	9.7	9.7	9.5	3.5	3.5	3.5	8.0	8.0	7.8	11.3	11.0	10.8	51
1.8	1.8	1.8	7.0	7.1	7.2	.8	.9	.8	3.9	3.9	3.8	4.9	4.7	4.7	52
83.6	83.8	81.4	299.6	301.1	299.8	68.7	69.3	68.0	225.4	225.0	223.2	217.8	211.3	214.4	53
5.7	5.8	4.7	33.7	33.4	34.0	4.3	4.2	4.2	16.7	17.3	16.8	23.4	20.8	21.1	54
9.9	10.1	10.2	46.6	46.2	45.3	7.2	7.2	7.3	27.4	27.0	26.8	22.8	22.6	22.1	55
4.3	4.3	4.3	8.6	8.5	8.4	1.4	1.5	1.5	5.4	5.4	5.2	8.1	8.1	8.0	56
2.8	2.8	2.7	15.2	15.3	13.6	2.4	2.4	2.3	9.2	9.3	9.0	15.6	15.5	15.5	57
3.8	3.9	3.3	22.1	21.1	21.6	5.7	5.8	5.6	17.0	16.0	15.7	44.8	38.5	44.3	58
2.8	2.8	2.7	8.8	8.8	8.5	1.3	1.3	1.3	6.5	6.5	6.4	7.1	6.9	6.6	59
3.4	3.4	3.7	14.4	14.4	13.9	2.8	2.8	2.5	9.1	9.1	9.0	9.3	9.2	9.3	60

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1971 ^p	Sept. 1971	Oct. 1970	Oct. 1971 ^p	Sept. 1971	Oct. 1970	Oct. 1971 ^p	Sept. 1971	Oct. 1970	Oct. 1971 ^p	Sept. 1971	Oct. 1970
1	MINNESOTA	1,319.9	1,323.3	1,316.8	14.9	15.4	14.6	72.2	73.2	75.4	305.6	313.0	312.7
2	Duluth-Superior	55.8	55.4	56.9	(1)	(1)	(1)	2.7	2.7	2.9	9.0	8.5	9.6
3	Minneapolis-St. Paul	787.6	785.5	790.1	(1)	(1)	(1)	40.9	41.0	42.6	195.2	196.4	201.9
4	MISSISSIPPI	593.3	589.7	584.1	6.5	6.5	6.6	33.2	34.4	35.4	188.5	184.7	182.6
5	Jackson	96.4	95.5	93.8	.7	.7	.7	5.8	5.7	5.4	14.0	14.0	13.8
6	MISSOURI	1,629.3	1,628.4	1,651.5	7.9	8.0	8.7	71.4	72.7	78.1	421.3	422.5	429.9
7	Kansas City	523.4	521.8	501.7	.5	.5	.5	29.2	29.0	21.3	119.6	119.5	118.1
8	St. Joseph ²	32.1	32.1	32.5	(3)	(3)	(3)	1.7	1.8	1.9	9.3	9.2	9.9
9	St. Louis	889.4	889.5	895.0	1.8	2.2	2.3	39.7	39.8	43.4	259.0	260.8	262.9
10	Springfield ²	59.0	59.0	58.1	.1	.1	.1	2.8	2.9	3.2	16.0	16.1	15.1
11	MONTANA	205.9	207.7	204.9	4.4	4.1	6.6	13.8	13.7	12.7	24.4	23.0	24.8
12	Billings	30.6	30.4	29.9	(1)	(1)	(1)	1.7	1.7	1.7	3.6	3.6	3.8
13	Great Falls	25.4	24.6	25.0	(1)	(1)	(1)	2.1	2.1	2.3	2.6	1.6	2.9
14	NEBRASKA	495.6	495.4	487.1	1.7	1.8	1.6	26.0	25.2	25.5	82.9	82.3	84.6
15	Lincoln	74.6	74.7	72.1	-	-	-	4.4	4.5	3.6	10.9	11.0	10.5
16	Omaha	215.5	215.2	209.0	(3)	(3)	(3)	11.4	11.5	11.4	36.7	36.8	38.0
17	NEVADA	211.5	213.5	205.9	3.8	3.8	3.8	12.6	12.9	12.4	8.2	8.1	8.3
18	Las Vegas	113.5	114.4	111.4	.1	.1	.1	7.0	7.2	7.3	3.7	3.6	4.0
19	Reno	62.2	62.8	59.0	.3	.3	.2	3.8	3.9	3.7	3.1	3.1	3.0
20	NEW HAMPSHIRE ²	258.9	262.2	258.5	.4	.4	.4	12.5	12.7	12.9	85.2	85.2	88.0
21	Manchester	50.2	50.1	49.3	(1)	(1)	(1)	2.2	2.3	2.4	16.9	16.9	16.1
22	NEW JERSEY	2,595.1	2,603.1	2,613.6	3.2	3.3	3.4	127.3	126.9	128.9	818.9	823.2	852.2
23	Atlantic City	64.4	67.6	62.3	-	-	-	3.6	3.6	3.5	10.1	10.3	9.8
24	Camden ⁵	262.9	261.5	258.2	.1	.1	.1	14.7	14.8	14.8	70.4	71.5	74.1
25	Jersey City ⁷	251.7	252.5	258.6	-	-	-	7.0	7.0	7.5	103.1	102.4	106.8
26	Long Branch	120.9	121.9	118.3	.1	.1	.1	5.9	5.8	6.3	21.3	21.1	21.4
27	Newark ⁷	779.4	781.0	792.0	.8	.8	.7	34.2	35.2	34.7	230.7	231.5	241.5
28	Paterson-Clifton-Passaic ⁷	509.8	506.7	510.2	.2	.2	.3	24.3	24.2	23.6	179.7	180.0	187.4
29	Perth Amboy ⁷	282.4	279.3	281.2	.8	.8	.9	13.2	13.3	13.9	109.6	110.4	114.5
30	Trenton	131.9	131.1	131.1	(1)	(1)	(1)	4.3	4.3	4.2	36.4	36.4	37.1
31	NEW MEXICO	301.4	300.0	290.5	15.6	16.1	16.7	19.1	18.6	15.8	21.7	21.5	21.4
32	Albuquerque	115.2	114.6	108.7	(1)	(1)	(1)	8.4	8.3	7.3	9.7	9.6	9.2
33	NEW YORK	(*)	7,012.7	7,167.1	(*)	7.9	8.1	(*)	290.1	292.3	(*)	1,663.6	1,728.9
34	Albany-Schenectady-Troy	277.3	277.1	281.5	(1)	(1)	(1)	14.8	15.1	15.3	59.2	59.7	60.9
35	Binghamton	100.9	101.2	105.0	(1)	(1)	(1)	4.3	4.3	5.3	38.3	38.9	41.3
36	Buffalo	478.7	473.8	483.5	(1)	(1)	(1)	19.5	19.9	21.0	151.5	148.9	151.7
37	Elmira	37.4	37.3	38.9	(1)	(1)	(1)	1.8	1.8	2.2	14.1	14.2	15.5
38	Monroe County	302.7	300.5	304.2	(1)	(1)	(1)	15.5	16.0	15.7	123.3	122.6	124.8
39	Nassau and Suffolk Counties ⁶	730.8	725.2	730.6	(1)	(1)	(1)	41.4	42.4	39.1	138.5	138.4	150.1
40	New York-Northeastern New Jersey	(*)	6,572.3	6,697.2	(*)	4.6	4.5	(*)	263.1	254.6	(*)	1,585.9	1,656.2
41	New York SMSA ⁷	(*)	4,751.3	4,856.1	(*)	2.6	2.6	(*)	183.4	174.9	(*)	961.4	1,005.9
42	New York City ⁸	(*)	3,648.0	3,755.6	(*)	1.9	1.9	(*)	113.6	111.3	(*)	736.7	770.8
43	Rochester	345.1	342.9	346.9	(1)	(1)	(1)	16.7	17.4	17.2	137.9	137.0	139.2
44	Rockland County ⁹	64.8	65.8	64.2	(1)	(1)	(1)	4.2	4.2	4.3	14.6	14.8	15.0
45	Syracuse	227.2	225.1	224.7	(1)	(1)	(1)	10.7	11.3	10.6	59.1	60.3	59.4
46	Utica-Rome	110.5	111.0	115.9	(1)	(1)	(1)	5.0	5.2	4.6	36.2	36.9	40.3
47	Westchester County ⁹	312.8	309.1	305.7	(1)	(1)	(1)	22.9	23.1	20.2	71.3	71.4	70.0
48	NORTH CAROLINA	1,800.1	1,794.0	1,791.1	3.6	3.6	3.9	95.0	94.3	95.9	717.5	717.8	721.5
49	Asheville	-	-	-	(1)	(1)	(1)	-	-	-	19.3	19.3	19.4
50	Charlotte	182.9	181.9	181.8	(1)	(1)	(1)	11.7	11.6	12.2	42.4	42.1	42.7
51	Greensboro-Winston-Salem-High Point	266.7	265.0	266.4	(1)	(1)	(1)	14.5	14.5	14.8	110.9	110.8	112.6
52	Raleigh	-	-	-	-	-	-	-	-	-	14.0	14.1	14.2
53	NORTH DAKOTA	174.0	173.2	169.1	1.8	1.9	1.8	16.0	16.3	13.1	9.9	9.8	10.1
54	Fargo-Moorhead	45.5	44.1	43.6	.1	.1	.1	4.4	4.0	3.4	3.5	3.5	3.3
55	OHIO	3,838.8	3,852.5	3,862.1	14.5	22.5	21.4	163.5	165.5	172.8	1,303.3	1,331.5	1,339.0
56	Akron	247.6	243.0	247.5	.3	.3	.3	8.7	8.8	8.8	91.5	92.2	94.6
57	Canton	133.7	135.0	136.9	.4	.4	.4	5.3	5.4	5.5	55.1	56.6	59.8
58	Cincinnati	511.0	510.2	512.1	.4	.4	.4	21.7	21.6	21.6	159.7	160.8	166.4

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	
91.6	91.6	86.7	316.2	314.9	315.0	64.7	65.1	64.1	215.1	214.7	217.3	239.5	235.4	231.2	1
7.4	7.5	7.6	13.3	13.3	13.3	1.9	1.9	1.9	11.2	11.2	11.2	10.5	10.3	10.4	2
58.5	58.8	55.1	187.9	186.9	191.4	47.8	47.9	47.6	143.2	142.5	144.8	114.2	112.0	106.6	3
30.5	29.8	30.6	109.1	109.1	106.6	21.4	21.4	21.2	67.3	67.1	68.1	136.7	136.7	133.0	4
6.0	6.0	6.0	22.8	22.8	22.3	7.2	7.2	7.1	17.4	17.1	16.9	22.4	21.9	21.5	5
122.1	122.7	127.9	366.2	367.5	374.1	89.8	90.1	88.9	262.6	263.9	261.8	288.0	281.0	282.1	6
49.3	49.5	51.3	130.4	129.4	124.5	33.4	33.5	32.4	85.7	85.4	81.5	75.3	75.0	72.1	7
2.0	2.0	2.1	8.0	8.0	7.9	1.4	1.4	1.3	4.8	4.9	4.8	4.9	4.8	4.6	8
65.4	66.0	67.8	194.8	196.0	193.0	47.1	47.0	47.1	154.1	153.5	153.9	127.5	124.2	124.6	9
4.5	4.5	4.5	14.7	14.8	14.9	2.3	2.3	2.3	9.9	10.1	9.8	8.7	8.2	8.2	10
17.1	17.6	17.3	49.8	50.9	49.0	8.4	8.4	8.1	33.5	35.1	33.2	54.5	54.9	53.2	11
2.7	2.7	2.5	9.6	9.6	9.3	1.6	1.6	1.5	6.0	6.0	5.8	5.4	5.2	5.3	12
2.1	2.1	2.1	6.7	6.8	6.4	1.5	1.5	1.5	4.8	4.9	4.8	5.6	5.6	5.0	13
36.0	36.3	36.7	126.7	126.8	121.5	30.0	30.0	29.4	84.6	85.2	83.8	107.7	107.7	104.0	14
5.0	5.1	4.9	15.8	15.6	14.8	5.6	5.6	5.4	11.5	11.9	11.6	21.4	21.1	21.2	15
20.2	20.4	20.2	56.1	56.0	53.2	17.0	17.1	16.9	39.2	39.1	38.3	34.9	34.4	31.1	16
14.4	14.4	14.1	40.6	41.0	39.2	8.6	8.7	8.3	84.7	86.1	82.4	38.6	38.5	37.4	17
7.6	7.6	7.5	21.9	22.1	20.6	4.5	4.5	4.4	52.3	52.9	51.3	16.4	16.4	16.2	18
4.8	4.8	4.7	13.4	13.5	13.0	3.2	3.2	3.1	22.7	23.3	20.9	10.9	10.7	10.4	19
12.1	12.0	11.7	51.8	52.5	51.0	11.7	11.7	11.2	46.1	48.5	45.1	39.1	39.2	38.2	20
3.6	3.6	3.6	11.5	11.4	11.6	3.3	3.3	3.1	8.5	8.4	8.3	4.2	4.2	4.2	21
174.0	179.1	182.9	551.0	551.2	539.6	121.8	122.5	119.3	420.3	425.3	415.3	378.6	371.6	372.0	22
3.6	3.6	3.5	16.8	18.8	16.0	3.0	2.9	2.9	16.2	17.2	15.5	11.1	11.2	11.1	23
13.4	13.1	13.3	65.8	64.1	61.5	10.1	10.0	9.3	38.6	39.0	38.2	49.8	48.9	46.9	24
32.6	34.4	35.3	41.1	40.7	39.9	8.2	8.2	8.4	30.5	30.5	31.1	29.2	29.3	29.6	25
6.3	6.4	6.1	29.2	30.0	26.7	4.3	4.3	4.2	26.1	27.0	26.3	27.7	27.2	27.2	26
58.8	62.5	64.1	153.6	151.1	153.0	57.1	57.4	56.2	137.6	137.1	136.8	106.6	105.4	105.0	27
26.3	26.1	27.8	126.8	125.0	123.4	19.9	20.0	19.0	77.6	78.3	76.5	55.0	52.9	52.2	28
14.9	14.8	15.2	58.6	57.3	55.4	6.5	6.4	6.1	32.4	32.3	30.9	46.4	44.0	44.3	29
6.6	6.6	6.6	20.7	20.1	20.5	5.2	5.3	5.3	29.7	29.5	29.1	29.0	28.9	28.3	30
20.7	20.9	20.3	63.0	63.4	61.3	13.0	13.0	12.3	54.2	54.3	53.2	94.1	92.2	89.5	31
7.2	7.3	6.8	27.4	27.5	26.8	6.9	6.9	6.5	26.0	26.1	25.0	29.6	28.9	27.1	32
(*)	463.0	503.5	(*)	1,440.3	1,458.8	(*)	600.3	597.9	(*)	1,367.6	1,374.5	(*)	1,179.9	1,203.2	33
14.6	14.7	16.2	56.7	56.3	57.0	11.2	11.2	11.0	48.4	48.6	47.5	72.3	71.6	73.7	34
4.4	4.3	4.7	17.9	17.8	18.2	3.3	3.3	3.2	12.0	12.4	12.0	20.8	20.2	20.2	35
29.0	28.8	32.5	101.7	101.3	102.3	19.5	19.6	19.4	78.1	78.1	76.9	79.4	77.2	79.8	36
1.4	1.4	1.5	7.7	7.7	7.7	.9	.9	1.0	5.7	5.7	5.6	5.6	5.6	5.3	37
10.6	10.9	11.0	54.1	54.2	54.9	11.3	11.5	11.5	52.8	52.1	51.1	35.0	33.4	35.2	38
31.7	31.8	34.3	202.6	199.7	193.8	34.9	34.8	33.8	142.4	143.9	135.5	139.4	134.2	144.0	39
(*)	490.5	524.2	(*)	1,372.7	1,391.1	(*)	602.1	599.9	(*)	1,275.8	1,278.5	(*)	977.6	988.2	40
(*)	352.8	381.8	(*)	998.0	1,019.5	(*)	510.7	510.2	(*)	997.3	1,004.2	(*)	745.1	757.2	41
(*)	300.2	324.8	(*)	714.9	741.2	(*)	459.7	460.3	(*)	776.1	793.5	(*)	544.8	551.9	42
12.3	12.5	12.6	61.9	62.1	62.4	12.1	12.2	12.2	57.7	57.3	55.9	46.4	44.5	47.4	43
3.3	3.2	3.4	13.7	13.6	12.9	2.1	2.1	2.0	10.2	10.5	10.2	16.7	17.3	16.4	44
13.9	13.7	14.5	50.5	50.5	49.6	12.8	12.8	12.6	39.9	37.8	38.3	40.3	38.7	39.7	45
4.7	4.7	5.4	19.2	19.3	19.8	4.8	4.8	4.7	15.1	15.0	14.9	25.6	25.1	26.2	46
17.6	17.5	19.3	71.1	69.8	71.6	14.1	14.1	14.1	69.5	68.4	65.7	46.3	44.7	44.8	47
95.0	96.0	92.4	323.3	320.6	322.6	70.9	70.8	70.2	216.4	215.2	211.1	278.4	275.7	273.5	48
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
19.0	19.1	18.7	46.7	46.4	47.0	13.7	13.7	13.3	27.5	27.5	26.4	21.9	21.5	21.5	50
17.0	17.0	16.3	47.9	47.7	48.3	13.0	13.1	12.9	32.8	32.3	31.5	30.6	29.6	30.0	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
11.8	12.0	12.2	45.5	45.4	44.9	7.2	7.2	7.0	29.4	29.4	29.5	52.4	51.3	50.6	53
3.1	3.2	3.2	12.8	12.8	12.7	2.5	2.5	2.4	8.6	7.9	8.5	10.7	10.2	10.2	54
231.4	233.3	229.2	788.4	786.3	782.2	164.0	165.2	159.4	595.3	596.8	579.4	578.4	551.4	578.7	55
14.8	15.0	14.9	48.9	48.9	48.7	7.4	7.4	7.2	37.5	37.4	35.2	38.5	33.0	37.9	56
7.0	6.9	7.2	26.1	26.2	25.9	5.0	5.1	4.9	21.2	21.5	20.2	13.5	12.9	13.0	57
37.7	37.9	37.2	109.6	109.1	108.1	27.4	27.3	26.7	83.9	83.5	80.1	70.5	69.6	71.4	58

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970
1	OHIO—Continued												
2	Cleveland	848.2	848.8	849.0	1.4	1.5	1.5	36.0	36.4	37.2	270.8	272.4	278.4
3	Columbus	380.6	376.8	380.9	.7	.8	.8	18.1	18.0	19.0	83.1	83.7	86.6
4	Dayton	312.3	321.0	323.3	.5	.5	.5	12.3	12.3	12.7	102.9	112.3	116.6
5	Toledo	248.5	244.4	243.2	.3	.3	.3	9.5	9.4	9.6	79.3	81.2	77.3
6	Youngstown—Warren	195.2	196.3	186.9	.3	.3	.3	7.5	7.9	8.9	81.6	82.7	74.0
7	OKLAHOMA	778.8	775.7	773.2	36.5	37.1	38.0	38.8	39.7	38.0	131.6	131.8	136.4
8	Oklahoma City	264.0	264.0	259.7	6.8	6.8	6.9	14.5	14.7	13.8	37.1	37.2	38.5
9	Tulsa	175.3	175.7	177.4	13.3	13.4	13.3	7.7	7.9	8.3	38.5	38.6	41.6
10	OREGON	749.2	754.3	723.1	1.6	1.7	1.4	33.0	34.7	31.6	182.4	189.2	176.1
11	Eugene	72.8	72.9	72.1	(1)	(1)	(1)	3.3	3.5	3.3	19.3	20.7	18.9
12	Portland	395.4	393.8	385.0	(1)	(1)	(1)	19.2	19.8	18.5	87.8	88.8	85.3
	Salem ²	61.0	62.8	57.3	(1)	(1)	(1)	3.1	3.2	2.9	13.5	15.5	11.6
13	PENNSYLVANIA	4,257.9	4,289.5	4,339.8	26.6	41.5	40.6	208.7	213.6	212.3	1,408.9	1,421.9	1,488.2
14	Allentown—Bethlehem—Easton	213.0	213.9	216.0	.6	.6	.5	7.7	7.8	8.3	98.8	99.3	103.1
15	Alltoona	47.6	48.0	48.2	(1)	(1)	(1)	2.2	2.2	2.5	15.1	15.3	15.3
16	Delaware Valley ¹⁰	1,516.4	1,509.6	1,535.3	1.5	1.4	1.4	84.4	85.0	80.8	442.5	442.9	456.9
17	Erie	98.5	99.3	98.5	(1)	(1)	(1)	4.1	4.5	4.1	42.4	42.8	43.8
18	Harrisburg	177.2	178.3	176.5	(1)	(1)	(1)	9.2	9.4	8.8	37.9	39.0	39.4
19	Johnstown	72.9	75.9	77.4	1.6	5.6	5.3	3.5	3.5	3.0	22.4	21.7	23.9
20	Lancaster	122.3	123.0	122.4	(1)	(1)	(1)	6.7	6.9	6.6	52.0	52.7	54.5
21	Philadelphia SMSA	1,781.9	1,772.8	1,794.0	1.6	1.6	1.6	99.1	99.7	95.8	513.1	514.0	531.2
22	Philadelphia City ¹¹	895.6	893.4	912.2	-	-	-	35.6	36.7	36.1	227.7	226.6	234.2
23	Pittsburgh	858.9	873.7	874.3	3.3	10.1	9.1	47.5	48.7	46.6	254.9	261.4	270.4
24	Reading	124.2	124.5	123.6	(1)	(1)	(1)	4.5	4.6	4.8	54.7	55.1	55.5
25	Scranton	86.2	85.9	85.2	.4	.4	.4	2.9	3.0	2.8	33.2	32.8	33.1
26	Wilkes-Barre—Hazleton	123.7	123.1	125.0	1.8	1.8	2.0	6.5	6.3	6.7	52.1	52.4	53.2
27	York	137.4	135.9	137.4	(1)	(1)	(1)	9.8	9.8	11.1	60.8	60.1	61.8
28	RHODE ISLAND	339.4	338.1	341.5	(1)	(1)	(1)	14.3	14.9	15.3	116.5	114.8	118.9
29	Providence—Pawtucket—Warwick	352.3	351.5	354.3	(1)	(1)	(1)	14.7	15.2	15.7	133.4	132.3	136.1
30	SOUTH CAROLINA	860.8	857.8	841.1	1.6	1.7	1.7	53.3	53.4	49.8	335.1	335.0	336.1
31	Charleston	(*)	87.8	87.9	(*)	(1)	(1)	(*)	5.8	5.4	(*)	13.2	15.1
32	Columbia	114.8	113.9	111.6	(1)	(1)	(1)	8.2	8.4	7.6	19.6	19.5	20.3
33	Greenville	123.1	121.4	122.1	(1)	(1)	(1)	8.9	8.9	9.0	53.8	53.3	54.0
34	SOUTH DAKOTA	181.2	182.9	177.7	2.2	2.2	2.2	8.0	8.6	8.1	16.5	16.5	15.7
35	Sioux Falls	35.7	35.8	34.8	(1)	(1)	(1)	1.8	2.0	1.8	6.4	6.4	5.9
36	TENNESSEE	1,370.7	1,363.7	1,341.0	7.2	7.2	7.2	74.3	74.1	66.2	466.6	466.2	467.5
37	Chattanooga	133.1	133.2	130.7	.3	.3	.3	5.8	6.1	5.8	52.8	52.8	52.9
38	Knoxville	145.0	144.2	146.6	2.0	1.9	1.9	7.4	7.5	7.9	45.7	45.8	47.3
39	Memphis	284.3	282.5	277.3	.3	.3	.3	17.7	18.1	15.2	59.1	58.4	59.4
40	Nashville	223.2	222.7	223.8	(1)	(1)	(1)	13.9	13.9	13.7	57.6	57.9	61.1
41	TEXAS	3,670.2	3,661.8	3,637.9	102.5	103.2	104.5	211.0	209.5	217.9	706.9	706.7	724.1
42	Amarillo	-	-	-	(1)	(1)	(1)	-	-	-	7.4	7.4	7.4
43	Austin	120.7	118.9	113.7	(1)	(1)	(1)	9.0	8.9	8.1	11.9	11.9	11.6
44	Beaumont—Port Arthur—Orange	107.7	108.3	106.8	(1)	(1)	(1)	7.9	7.7	7.2	37.6	37.3	36.1
45	Corpus Christi	-	-	-	-	-	-	-	-	-	11.0	11.0	11.3
46	Dallas	661.7	657.2	657.8	7.8	7.8	7.8	37.5	37.4	38.4	139.5	140.3	147.9
47	El Paso	106.1	105.9	104.6	-	-	-	5.3	5.2	5.5	25.7	25.8	23.7
48	Fort Worth	254.8	255.3	264.3	1.2	1.1	1.7	12.9	12.5	11.7	71.7	72.2	82.4
49	Galveston—Texas City	-	-	-	-	-	-	-	-	-	11.3	11.4	11.4
50	Houston	797.6	798.9	777.4	28.7	29.2	29.0	70.3	69.5	68.3	145.4	145.8	146.7
51	Lubbock	-	-	-	-	-	-	-	-	-	7.5	7.5	7.1
52	San Antonio	-	-	-	-	-	-	-	-	-	11.8	11.9	11.4
53	Waco	262.2	262.5	259.1	1.2	1.2	1.4	12.3	12.6	12.0	33.4	33.2	33.3
54	Wichita Falls	-	-	-	-	-	-	-	-	-	4.9	4.9	4.5
55	UTAH	377.3	374.6	364.0	11.2	12.2	12.8	19.8	20.0	15.7	56.7	57.9	56.2
56	Salt Lake City	201.2	202.2	194.6	7.4	7.6	7.6	10.1	10.4	9.1	30.3	30.6	30.2
57	VERMONT	150.9	151.1	149.0	.9	.9	1.0	10.0	10.3	11.3	38.0	38.3	38.9
58	Burlington ¹²	39.1	39.0	39.2	-	-	-	-	-	-	9.1	9.3	10.4
59	Springfield ¹²	12.2	12.3	12.3	-	-	-	-	-	-	5.2	5.3	5.4

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	
53.1	53.4	52.4	187.1	186.4	184.8	43.4	44.0	42.5	146.9	147.1	142.0	109.5	107.5	110.2	1
21.7	21.8	21.4	82.4	81.5	80.9	25.8	25.9	25.7	69.3	69.3	66.1	79.5	75.9	80.5	2
13.0	13.0	12.7	62.6	63.1	61.9	10.6	10.6	10.0	51.7	51.5	49.8	58.7	57.6	59.1	3
17.7	17.8	17.7	54.0	53.4	53.5	8.4	8.5	8.1	41.5	41.3	40.1	37.6	32.5	36.5	4
10.1	10.1	10.3	39.0	39.1	38.6	6.1	6.1	5.9	29.3	29.5	28.0	21.4	20.6	21.0	5
51.6	51.4	52.1	171.6	171.2	168.0	37.0	37.1	36.6	119.6	119.0	118.4	192.1	188.4	185.7	6
17.1	17.2	17.2	59.6	59.6	58.0	16.0	15.9	15.6	39.7	39.9	38.4	73.2	72.7	71.3	7
14.8	14.8	15.1	41.4	41.3	40.3	9.4	9.5	9.4	31.7	31.8	30.8	18.5	18.4	18.6	8
49.1	48.0	48.0	170.4	172.0	164.6	37.3	37.3	36.1	121.4	123.2	114.9	154.0	148.2	150.4	9
4.3	4.3	4.2	15.2	15.1	14.9	3.1	3.1	3.0	10.5	10.3	10.3	17.1	15.9	17.5	10
30.1	28.9	30.2	95.4	95.9	93.6	25.4	25.5	24.8	71.9	71.7	68.8	65.6	63.2	63.8	11
2.1	2.1	2.1	11.8	11.8	11.5	3.2	3.2	3.0	8.3	8.3	8.1	19.0	18.7	18.1	12
260.5	263.3	267.8	831.3	829.8	834.1	194.6	194.6	191.7	699.3	706.0	691.0	628.0	618.8	614.1	13
12.5	12.7	12.7	35.2	34.9	35.5	7.3	7.4	7.1	29.4	29.8	28.4	21.5	21.4	20.4	14
7.1	7.2	7.4	8.5	8.6	8.5	1.3	1.3	1.2	7.1	7.2	7.1	6.3	6.2	6.2	15
83.5	88.7	92.0	304.1	298.6	311.6	91.5	91.0	92.5	289.0	285.9	284.0	219.9	216.1	216.1	16
5.6	5.7	5.5	17.4	17.3	17.5	3.5	3.5	3.4	13.9	14.1	13.6	11.6	11.4	10.6	17
14.0	14.1	14.0	36.1	36.0	34.7	9.5	9.4	9.0	25.6	26.2	26.2	44.9	44.2	44.4	18
4.9	4.9	4.9	13.3	13.4	13.2	2.2	2.2	2.1	12.0	12.2	12.2	13.0	12.4	12.8	19
5.7	5.6	5.6	24.3	24.6	24.2	3.0	3.1	2.9	19.3	19.2	18.2	11.3	10.9	10.4	20
96.9	101.8	105.3	369.9	362.6	373.0	101.6	101.0	101.9	327.6	324.9	322.2	272.1	267.2	263.0	21
59.8	64.8	65.5	179.6	175.0	182.0	72.1	72.0	71.8	170.1	167.1	171.4	150.7	151.2	151.2	22
57.7	57.8	60.0	180.3	181.0	177.8	38.4	38.4	38.2	160.5	161.6	161.1	116.3	114.7	111.1	23
6.6	6.6	6.7	21.1	20.7	20.5	4.7	4.8	4.7	16.9	17.3	16.9	15.7	15.4	14.5	24
4.8	4.8	4.9	17.2	17.2	17.0	2.6	2.6	2.6	15.0	15.1	14.4	10.1	10.0	10.0	25
6.7	6.7	6.8	21.6	21.2	20.8	4.4	4.4	4.3	15.4	15.3	15.7	15.2	15.0	15.5	26
5.9	5.9	6.1	26.1	25.6	25.0	3.1	3.3	3.1	16.7	16.7	16.0	15.0	14.5	14.3	27
16.1	16.1	15.9	70.4	69.8	68.9	15.8	15.8	15.7	55.3	55.7	55.0	51.0	51.0	51.8	28
15.8	15.9	15.4	71.2	70.6	69.6	15.8	15.8	15.6	54.2	54.6	54.1	47.2	47.1	47.8	29
37.5	38.4	37.1	150.6	150.8	144.7	31.2	31.4	29.9	91.5	90.5	90.1	160.0	156.6	151.7	30
(*)	6.0	6.0	(*)	18.5	17.3	(*)	3.6	3.6	(*)	10.4	10.4	(*)	30.3	30.1	31
7.3	7.3	7.3	23.1	23.2	22.8	7.5	7.7	7.2	16.1	15.8	15.2	33.0	32.0	31.2	32
4.5	4.5	4.5	22.3	22.1	21.8	4.9	4.9	4.9	14.4	14.2	14.3	14.3	13.5	13.6	33
10.5	10.5	10.4	44.8	45.7	45.5	7.6	7.6	7.5	33.0	34.0	32.5	58.6	57.8	55.8	34
3.1	3.1	3.0	10.6	10.6	10.5	2.0	2.0	2.0	6.8	6.7	6.9	5.0	5.0	4.7	35
68.6	68.7	66.9	264.2	264.1	259.8	59.8	59.8	58.0	189.7	189.1	185.4	240.3	234.5	230.0	36
6.3	6.4	6.6	24.1	24.1	24.6	7.5	7.5	7.2	17.6	17.4	16.6	18.7	18.6	16.7	37
6.3	6.3	6.5	30.0	29.7	30.2	5.2	5.2	5.1	18.0	17.8	18.5	30.4	30.0	29.2	38
19.8	19.7	20.2	72.3	71.7	69.5	16.0	15.9	15.2	46.7	46.4	46.1	52.4	52.0	51.4	39
13.7	13.6	13.7	48.9	48.8	48.3	15.3	15.2	14.7	37.6	37.3	36.9	36.2	36.0	35.4	40
251.5	254.9	255.5	907.2	905.7	884.5	199.9	200.4	193.3	603.6	604.6	591.3	687.6	676.8	666.8	41
3.8	3.8	3.9	25.6	25.6	23.3	6.4	6.3	5.8	16.0	16.1	15.6	48.0	46.3	45.4	42
7.7	9.0	8.6	21.6	21.6	21.8	3.9	3.9	3.9	15.6	15.5	16.0	13.4	13.3	13.2	43
52.4	52.7	52.3	181.4	177.3	176.5	58.0	58.0	54.5	107.5	107.0	105.5	77.6	76.7	74.9	44
8.4	8.5	8.5	25.0	24.9	25.8	4.5	4.5	4.4	15.0	14.8	14.8	22.2	22.2	21.9	45
15.2	15.3	15.6	62.7	62.6	62.2	12.5	12.6	12.8	41.9	42.6	41.5	36.7	36.4	36.4	46
63.2	64.9	64.1	195.3	194.1	189.2	44.3	44.3	41.7	151.5	152.1	142.8	98.9	99.0	95.6	47
11.8	11.7	11.3	62.7	63.2	63.2	17.7	17.6	16.5	45.5	45.6	44.8	77.6	77.4	76.6	48
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
23.8	24.1	23.5	85.5	85.0	81.2	15.8	16.1	15.1	62.5	60.1	59.1	101.8	99.2	100.1	55
15.5	15.8	15.5	53.4	53.6	51.5	12.0	12.2	11.4	34.1	34.6	32.4	38.4	37.3	36.7	56
8.2	8.1	8.1	30.3	30.3	28.7	5.9	5.9	5.6	29.1	29.2	28.2	28.6	28.3	27.4	57
2.1	2.1	2.1	8.5	8.4	7.8	-	-	-	7.5	7.4	7.4	-	-	-	58
.7	.7	.8	2.0	2.0	1.9	-	-	-	1.9	1.8	1.8	-	-	-	59

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. P 1971	Sept. 1971	Oct. 1970	Oct. P 1971	Sept. 1971	Oct. 1970	Oct. P 1971	Sept. 1971	Oct. 1970	Oct. P 1971	Sept. 1971	Oct. 1970
1	VIRGINIA ⁴	1,514.0	1,518.2	1,478.0	11.1	16.9	15.7	101.8	103.8	96.9	368.8	365.8	367.1
2	Lynchburg	53.5	53.3	53.2	(1)	(1)	(1)	2.8	2.9	2.8	23.7	23.8	24.5
3	Newport News-Hampton	102.2	102.4	94.8	(1)	(1)	(1)	5.9	6.1	5.3	29.7	29.3	24.5
4	Norfolk-Portsmouth	201.1	204.1	200.4	(1)	(1)	(1)	14.4	14.7	14.4	19.4	19.2	20.3
5	Northern Virginia ¹³	278.3	278.2	275.5	.4	.4	.4	20.9	21.3	21.0	9.9	9.9	10.3
6	Richmond	244.3	243.6	240.2	.2	.2	.2	15.7	16.1	15.3	50.0	49.9	51.5
7	Roanoke	83.7	84.0	83.2	.1	.1	.1	4.9	4.9	5.3	19.2	19.2	19.6
8	WASHINGTON	1,059.6	1,064.3	1,086.3	1.7	1.8	1.8	55.4	56.5	57.4	217.9	219.5	233.3
9	Seattle-Everett ²	479.7	482.2	501.5	(1)	(1)	(1)	21.6	22.4	24.3	101.3	101.9	116.6
10	Spokane ²	92.0	92.6	91.7	(1)	(1)	(1)	5.3	5.6	4.9	12.1	12.4	12.5
11	Tacoma	104.8	105.7	105.0	(1)	(1)	(1)	5.0	5.0	5.3	19.0	19.4	19.5
12	WEST VIRGINIA	482.7	522.8	519.7	16.3	53.2	49.7	30.0	30.3	30.9	122.9	123.3	126.1
13	Charleston	82.3	85.2	84.9	1.2	4.2	3.9	6.0	6.0	5.5	15.7	15.7	16.7
14	Huntington-Ashland	81.8	83.1	84.7	.5	.6	.6	4.3	4.4	4.5	25.2	25.7	27.1
15	Wheeling	54.5	59.9	59.0	1.0	5.4	5.0	3.7	3.8	3.3	14.1	14.9	15.6
16	WISCONSIN	1,555.4	1,561.1	1,542.0	2.6	2.6	2.8	63.5	63.9	66.2	480.5	493.5	486.1
17	Green Bay	57.3	57.5	56.3	(1)	(1)	(1)	2.6	2.7	2.5	17.9	18.4	17.7
18	Kenosha	35.7	36.0	36.5	(1)	(1)	(1)	1.4	1.4	1.1	15.3	15.5	16.8
19	La Crosse	30.9	31.0	29.8	(1)	(1)	(1)	1.2	1.1	1.0	8.1	8.6	7.6
20	Madison	125.8	123.6	125.0	(1)	(1)	(1)	6.7	7.0	7.1	15.6	15.6	16.4
21	Milwaukee	569.6	566.4	570.1	(1)	(1)	(1)	19.9	19.7	21.0	192.8	194.3	198.5
22	Racine	54.0	54.5	53.8	(1)	(1)	(1)	1.5	1.6	1.8	23.5	23.7	23.1
23	WYOMING	113.7	115.2	110.8	11.4	11.6	11.6	8.8	9.4	8.0	7.7	7.4	8.1
24	Casper	20.3	20.3	20.4	3.0	2.9	3.3	1.4	1.6	1.2	1.7	1.7	2.0
25	Cheyenne	19.1	19.0	18.5	(1)	(1)	(1)	1.2	1.2	1.0	1.0	1.0	1.0

¹ Combined with services.
² Revised to 1971 benchmark; not strictly comparable with previously published data.
³ Combined with construction.
⁴ Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for District of Columbia.
⁵ Area included in Chicago-Northwestern Indiana Standard Consolidated Area.
⁶ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
⁷ Area included in New York-Northeastern New Jersey Standard Consolidated Area.
⁸ Subarea of Rochester Standard Metropolitan Statistical Area.
⁹ Subarea of New York Standard Metropolitan Statistical Area.
¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.
¹² Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
¹³ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, and Falls Church cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
* Not available.
p=preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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. P 1971	Sept. 1971	Oct. 1970	Oct. P 1971	Sept. 1971	Oct. 1970	Oct. P 1971	Sept. 1971	Oct. 1970	Oct. P 1971	Sept. 1971	Oct. 1970	Oct. P 1971	Sept. 1971	Oct. 1970	
95.3	100.4	97.9	313.3	312.0	306.8	71.1	71.0	67.9	229.3	229.5	222.4	323.3	318.8	303.3	1
2.6	2.6	2.6	9.3	9.2	8.7	2.2	2.3	2.2	6.9	6.8	6.7	6.0	5.7	5.7	2
3.8	4.3	4.2	16.9	16.7	16.0	3.0	3.1	2.8	13.3	13.3	12.9	29.6	29.6	29.1	3
13.0	16.0	16.1	49.9	49.6	48.5	9.7	9.7	9.7	32.0	32.6	31.6	62.7	62.3	59.8	4
21.0	21.5	21.4	65.0	64.6	62.1	16.5	16.5	15.8	49.4	49.8	49.1	95.2	94.2	95.4	5
18.6	18.8	18.4	54.3	53.9	53.8	19.1	19.1	18.9	36.6	36.4	35.7	49.8	49.2	46.4	6
10.4	10.9	11.1	19.5	19.3	18.8	4.1	4.1	4.1	14.2	14.2	14.0	11.3	11.3	10.2	7
69.8	68.4	72.3	237.3	238.8	245.7	57.4	57.7	57.8	169.7	173.4	171.1	250.4	248.2	246.9	8
38.1	37.2	38.0	110.2	110.6	114.6	33.9	34.1	34.6	79.5	80.6	80.0	95.1	95.4	93.4	9
6.9	7.3	7.3	24.0	24.1	24.0	5.4	5.4	5.3	19.6	19.8	19.5	18.7	18.0	18.2	10
6.3	5.9	6.4	22.5	23.6	22.8	5.9	5.9	6.1	18.4	18.6	18.6	27.7	27.3	26.3	11
39.3	41.7	41.9	91.4	91.2	91.2	16.2	16.1	15.9	68.4	68.8	67.8	98.3	98.2	96.3	12
8.8	9.0	9.0	19.6	19.5	19.1	4.0	4.0	4.0	13.1	13.1	13.1	14.0	13.7	13.6	13
7.7	8.3	8.4	17.9	17.9	18.0	3.0	3.0	2.9	10.4	10.6	10.6	12.7	12.7	12.6	14
3.8	3.9	3.9	12.7	12.6	12.5	2.2	2.2	2.2	10.3	10.3	10.1	6.7	6.7	6.5	15
83.8	82.9	82.9	345.7	342.1	338.2	63.9	63.7	61.4	241.4	244.4	234.6	274.0	268.0	269.9	16
4.9	4.9	4.7	13.8	13.8	13.9	1.6	1.6	1.5	8.7	8.8	8.6	7.7	7.4	7.5	17
1.3	1.4	1.3	7.0	7.0	6.8	.7	.7	.7	4.9	4.9	4.9	5.0	5.0	4.9	18
2.2	2.2	2.2	7.6	7.7	7.6	.6	.6	.6	6.1	6.2	6.0	5.0	4.6	4.8	19
5.9	5.9	5.8	26.3	25.1	25.8	6.7	6.6	6.4	18.8	19.1	18.7	45.8	44.3	44.7	20
32.0	31.5	31.9	127.1	125.1	123.7	29.6	29.5	28.9	93.2	92.9	92.3	75.1	73.5	73.7	21
2.0	2.0	2.0	9.9	10.1	10.2	1.5	1.4	1.5	8.1	8.3	7.9	7.5	7.3	7.2	22
10.3	10.8	10.7	24.6	25.3	23.8	3.7	3.7	3.6	17.0	17.7	15.8	30.2	29.3	29.2	23
1.8	1.8	1.8	4.9	4.9	4.8	.9	.9	.8	2.8	2.8	2.8	3.8	3.7	3.7	24
2.6	2.6	2.6	4.1	4.1	3.9	1.0	1.0	1.0	3.2	3.2	3.3	6.0	5.9	5.7	25

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

**C-1: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, 1947 to date**

Year and month	Average			Average			Average			Average		
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings
	Total private ¹			Mining			Contract construction			Manufacturing		
1947	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969	114.61	37.7	3.04	155.23	43.0	3.61	181.54	37.9	4.79	129.51	40.6	3.19
1970	119.46	37.1	3.22	163.97	42.7	3.84	196.35	37.4	5.25	133.73	39.8	3.36
1970: November	121.07	36.8	3.29	169.52	42.7	3.97	197.65	36.2	5.46	134.58	39.7	3.39
1970: December	122.43	37.1	3.30	170.28	43.0	3.96	204.20	37.4	5.46	138.45	39.9	3.47
1971: January	121.88	36.6	3.33	168.75	42.4	3.98	199.08	36.0	5.53	138.60	39.6	3.50
1971: February	122.61	36.6	3.35	167.60	41.9	4.00	197.38	35.5	5.56	138.29	39.4	3.51
1971: March	123.65	36.8	3.36	168.82	42.1	4.01	205.53	37.1	5.54	139.74	39.7	3.52
1971: April	124.05	36.7	3.38	170.89	42.3	4.04	205.35	37.0	5.55	139.83	39.5	3.54
1971: May	125.49	36.8	3.41	171.30	42.4	4.04	209.05	37.0	5.65	142.00	40.0	3.55
1971: June	127.57	37.3	3.42	172.10	42.6	4.04	213.94	38.0	5.63	143.51	40.2	3.57
1971: July	127.94	37.3	3.43	172.53	42.6	4.05	216.41	38.1	5.68	142.09	39.8	3.57
1971: August	129.03	37.4	3.45	173.43	42.3	4.10	220.23	38.3	5.75	141.69	39.8	3.56
1971: September	129.13	37.0	3.49	174.72	42.1	4.15	216.23	36.9	5.86	143.28	39.8	3.60
1971: October ^P	129.48	37.1	3.49	167.74	42.9	3.91	225.59	38.3	5.89	144.00	40.0	3.60
1971: November ^P	128.74	37.1	3.47	167.38	42.7	3.92	224.41	38.1	5.89	144.72	40.2	3.60
Year and month	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
1947	-	-	-	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140	-	-	-
1948	-	-	-	40.80	40.4	1.010	45.48	37.9	1.200	-	-	-
1949	-	-	-	42.93	40.5	1.060	47.63	37.8	1.260	-	-	-
1950	-	-	-	44.55	40.5	1.00	50.52	37.7	1.340	-	-	-
1951	-	-	-	47.79	40.5	1.18	54.67	37.7	1.45	-	-	-
1952	-	-	-	49.20	40.0	1.23	57.08	37.8	1.51	-	-	-
1953	-	-	-	51.35	39.5	1.30	59.57	37.7	1.58	-	-	-
1954	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969	148.15	40.7	3.64	91.14	35.6	2.56	108.70	37.1	2.93	90.57	34.7	2.61
1970	155.93	40.5	3.85	95.66	35.3	2.71	113.34	36.8	3.08	96.66	34.4	2.81
1970: November	160.38	40.5	3.96	96.67	34.9	2.77	115.92	36.8	3.15	99.18	34.2	2.90
1970: December	161.20	40.4	3.99	97.08	35.3	2.75	115.61	36.7	3.15	99.81	34.3	2.91
1971: January	160.39	39.7	4.04	97.51	34.7	2.81	117.07	36.7	3.19	99.62	34.0	2.93
1971: February	164.83	40.4	4.08	97.92	34.6	2.83	119.23	36.8	3.24	100.30	34.0	2.95
1971: March	163.61	40.2	4.07	98.55	34.7	2.84	119.56	36.9	3.24	100.30	34.0	2.95
1971: April	164.82	40.2	4.10	99.18	34.8	2.85	120.29	36.9	3.26	100.64	34.0	2.96
1971: May	164.37	39.8	4.13	99.88	34.8	2.87	121.77	36.9	3.30	101.02	33.9	2.98
1971: June	169.32	40.8	4.15	101.60	35.4	2.87	121.36	37.0	3.28	101.57	34.2	2.97
1971: July	162.43	38.4	4.23	103.61	36.1	2.87	122.06	37.1	3.29	103.70	34.8	2.98
1971: August	172.98	40.7	4.25	103.68	36.0	2.88	123.09	37.3	3.30	103.75	34.7	2.99
1971: September	176.66	40.8	4.33	102.08	35.2	2.90	121.77	36.9	3.30	103.66	34.1	3.04
1971: October ^P	175.42	40.7	4.31	101.50	35.0	2.90	122.80	37.1	3.31	103.32	34.1	3.03
1971: November ^P	175.44	40.8	4.30	101.50	35.0	2.90	122.06	37.1	3.29	103.63	34.2	3.03

¹ For coverage of series, see footnote 1, table B-2.² Data include Alaska and Hawaii 1959.

p-preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970
	TOTAL PRIVATE	\$128.74	\$129.48	\$129.13	\$121.07	\$121.03	\$3.47	\$3.49	\$3.49	\$3.29	\$3.28
	MINING	167.38	167.74	174.72	169.52	168.56	3.92	3.91	4.15	3.97	3.92
10	METAL MINING	-	174.10	180.04	170.77	169.09	-	4.32	4.37	3.99	3.96
101	Iron ores	-	178.03	183.92	167.63	165.15	-	4.53	4.53	4.02	3.97
102	Copper ores	-	176.14	189.08	180.80	179.95	-	4.36	4.47	4.00	3.99
11,12	COAL MINING	-	164.48	188.50	192.78	192.92	-	4.25	4.76	4.76	4.66
12	Bituminous coal and lignite mining ..	-	170.17	190.48	194.81	194.99	-	4.42	4.81	4.81	4.71
13	OIL AND GAS EXTRACTION	-	161.73	163.11	156.38	154.37	-	3.77	3.82	3.62	3.59
131,2	Crude petroleum and natural gas fields.	-	169.72	175.11	160.34	155.96	-	4.17	4.24	3.93	3.87
138	Oil and gas field services	-	156.55	154.70	153.56	153.00	-	3.51	3.54	3.42	3.40
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	174.72	173.43	158.06	160.91	-	3.79	3.82	3.56	3.56
142	Crushed and broken stone	-	178.40	174.07	157.43	163.57	-	3.74	3.76	3.46	3.51
	CONTRACT CONSTRUCTION	224.41	225.59	216.23	197.65	204.54	5.89	5.89	5.86	5.46	5.44
15	GENERAL BUILDING CONTRACTORS ..	-	210.90	201.50	188.15	194.55	-	5.70	5.66	5.33	5.33
16	HEAVY CONSTRUCTION CONTRACTORS ..	-	229.30	216.14	191.46	202.69	-	5.37	5.35	4.96	4.98
161	Highway and street construction	-	228.46	216.84	177.75	195.02	-	5.24	5.20	4.69	4.78
162	Heavy construction, n.e.c.	-	229.90	215.44	205.27	210.71	-	5.50	5.51	5.21	5.19
17	SPECIAL TRADE CONTRACTORS	-	232.99	224.64	206.12	211.97	-	6.28	6.24	5.79	5.76
171	Plumbing, heating, air conditioning ...	-	241.80	233.10	218.36	224.20	-	6.38	6.30	5.87	5.90
172	Painting, paper hanging, decorating ...	-	205.90	198.83	181.56	186.72	-	5.80	5.78	5.34	5.35
173	Electrical work	-	266.56	252.34	238.37	243.04	-	6.87	6.82	6.24	6.20
174	Masonry, stonework, and plastering ...	-	213.41	207.19	181.53	190.37	-	6.15	6.13	5.62	5.55
176	Roofing and sheetmetal work	-	192.70	182.45	167.75	170.69	-	5.49	5.43	5.13	5.08
	MANUFACTURING ..	144.72	144.00	143.28	134.58	133.45	3.60	3.60	3.60	3.39	3.37
19,24,25,32-39	DURABLE GOODS ..	156.26	154.71	153.20	143.16	142.76	3.83	3.82	3.83	3.57	3.56
20-23,26-31	NONDURABLE GOODS ..	129.96	129.30	130.75	123.17	122.07	3.29	3.29	3.31	3.15	3.13
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	162.66	163.05	163.41	151.07	147.53	3.91	3.91	3.90	3.73	3.67
192	Ammunition, except for small arms ..	158.18	157.80	156.97	148.19	142.48	3.83	3.83	3.81	3.65	3.58
1925	Complete guided missiles	-	187.49	184.46	182.33	176.81	-	4.34	4.32	4.28	4.23
1929	Ammunition, exc. for small arms, nec	-	133.06	133.27	126.87	121.59	-	3.36	3.34	3.22	3.15
24	LUMBER AND WOOD PRODUCTS	129.20	130.88	129.68	120.78	120.38	3.19	3.20	3.21	3.05	3.04
242	Sawmills and planing mills	(*)	126.79	125.45	113.88	115.34	(*)	3.07	3.09	2.92	2.92
2421	Sawmills and planing mills, general.	-	130.92	130.24	117.39	118.59	-	3.17	3.20	3.01	3.01
243	Millwork, plywood & related products.	(*)	138.43	138.58	127.68	127.36	(*)	3.36	3.38	3.20	3.20
2431	Millwork	-	134.56	133.06	123.24	123.48	-	3.29	3.31	3.16	3.15
2432	Veneer and plywood	-	139.44	140.27	130.88	129.20	-	3.36	3.38	3.20	3.19
244	Wooden containers	(*)	100.08	97.41	94.74	96.00	(*)	2.54	2.53	2.48	2.50
2441,2	Wooden boxes, shooks, and crates ..	-	96.04	93.45	90.20	93.07	-	2.45	2.44	2.38	2.43
249	Miscellaneous wood products	112.48	113.44	113.16	108.12	107.04	2.75	2.74	2.76	2.65	2.63
25	FURNITURE AND FIXTURES	118.08	117.68	118.00	111.56	111.72	2.93	2.92	2.95	2.81	2.80
251	Household furniture	111.63	111.91	111.20	106.40	106.27	2.77	2.77	2.78	2.66	2.65
2511	Wood household furniture	-	104.90	104.00	100.60	100.94	-	2.59	2.60	2.49	2.48
2512	Upholstered household furniture	-	120.58	119.20	114.11	114.00	-	2.97	2.98	2.86	2.85
2515	Mattresses and bedsprings	-	117.65	124.09	116.91	110.50	-	3.04	3.11	2.93	2.87
252	Office furniture	-	141.17	144.63	125.58	126.72	-	3.41	3.46	3.22	3.20
254	Partitions and fixtures	-	140.49	143.60	131.29	133.96	-	3.53	3.59	3.41	3.40
253,9	Other furniture and fixtures	(*)	124.90	124.73	120.29	120.08	(*)	3.17	3.19	3.03	3.04
32	STONE, CLAY, AND GLASS PRODUCTS ..	156.61	157.03	157.13	143.85	143.31	3.72	3.73	3.75	3.50	3.47
321	Flat glass	-	188.61	200.07	191.84	171.75	-	4.48	4.61	4.40	4.22
322	Glass and glassware, pressed or blown	(*)	152.69	153.90	144.32	143.67	(*)	3.77	3.80	3.59	3.53
3221	Glass containers	-	158.71	158.39	146.00	148.78	-	3.89	3.94	3.65	3.62
3229	Pressed and blown glass, n.e.c.	-	143.56	146.83	141.00	135.60	-	3.58	3.59	3.49	3.39
324	Cement, hydraulic	206.22	205.80	209.95	188.21	178.81	4.91	4.90	4.94	4.46	4.34
325	Structural clay products	(*)	121.18	123.19	114.69	114.51	(*)	2.97	2.99	2.86	2.87
3251	Brick and structural clay tile	-	118.30	119.28	110.43	110.16	-	2.81	2.84	2.70	2.72
326	Pottery and related products	-	127.98	126.77	119.34	120.34	-	3.24	3.31	3.06	3.07
327	Concrete, gypsum, and plaster products	-	-	-	-	-	-	-	-	-	-
328,9	Other stone and nonmetallic mineral products	(*)	150.84	150.84	142.21	141.38	(*)	3.67	3.67	3.46	3.44
3291	Abrasive products	-	141.74	139.12	133.13	132.04	-	3.73	3.70	3.55	3.54

See footnotes at end of table.

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				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
-	TOTAL PRIVATE	37.1	37.1	37.0	36.8	36.9	-	-	-	-	-
-	MINING	42.7	42.9	42.1	42.7	43.0	-	-	-	-	-
10	METAL MINING	-	40.3	41.2	42.8	42.7	-	-	-	-	-
101	Iron ores	-	39.3	40.6	41.7	41.6	-	-	-	-	-
102	Copper ores	-	40.4	42.3	45.2	45.1	-	-	-	-	-
11,12	COAL MINING	-	38.7	39.6	40.5	41.4	-	-	-	-	-
12	Bituminous coal and lignite mining	-	38.5	39.6	40.5	41.4	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	42.9	42.7	43.2	43.0	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	40.7	41.3	40.8	40.3	-	-	-	-	-
138	Oil and gas field services	-	44.6	43.7	44.9	45.0	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	46.1	45.4	44.4	45.2	-	-	-	-	-
142	Crushed and broken stone	-	47.7	46.3	45.5	46.6	-	-	-	-	-
-	CONTRACT CONSTRUCTION	38.1	38.3	36.9	36.2	37.6	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	37.0	35.6	35.3	36.5	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	42.7	40.4	38.6	40.7	-	-	-	-	-
161	Highway and street construction	-	43.6	41.7	37.9	40.8	-	-	-	-	-
162	Heavy construction, n e c	-	41.8	39.1	39.4	40.6	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	37.1	36.0	35.6	36.8	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	37.9	37.0	37.2	38.0	-	-	-	-	-
172	Painting, paper hanging, decorating	-	35.5	34.4	34.0	34.9	-	-	-	-	-
173	Electrical work	-	38.8	37.0	38.2	39.2	-	-	-	-	-
174	Masonry, stonework, and plastering	-	34.7	33.8	32.3	34.3	-	-	-	-	-
176	Roofing and sheet metal work	-	35.1	33.6	32.7	33.6	-	-	-	-	-
-	MANUFACTURING	40.2	40.0	39.8	39.7	39.6	3.0	3.1	3.1	2.8	2.9
19,24,25,32-39	DURABLE GOODS	40.8	40.5	40.0	40.1	40.1	3.0	3.0	3.0	2.6	2.8
20-23,26-31	NONDURABLE GOODS	39.5	39.3	39.5	39.1	39.0	3.0	3.2	3.4	2.9	3.0
	Durable Goods										
19	ORDNANCE AND ACCESSORIES	41.6	41.7	41.9	40.5	40.2	2.9	2.8	1.9	2.0	
192	Ammunition, except for small arms	41.3	41.2	41.2	40.6	39.8	2.6	2.4	1.9	1.8	
1925	Complete guided missiles	-	43.2	42.7	42.6	41.8	-	-	-	-	
1929	Ammunition, exc. for small arms, nec	-	39.6	39.9	39.4	38.6	-	-	-	-	
24	LUMBER AND WOOD PRODUCTS	40.5	40.9	40.4	39.6	39.6	4.0	3.9	3.1	3.3	
242	Sawmills and planing mills	(*)	41.4	40.6	39.0	39.5	4.5	4.1	3.3	3.6	
2421	Sawmills and planing mills, general	-	41.3	40.7	39.0	39.4	-	-	-	-	
243	Millwork, plywood & related products	(*)	41.2	41.0	39.9	39.8	4.0	4.0	2.8	3.0	
2431	Millwork	-	40.9	40.2	39.0	39.2	-	-	-	-	
2432	Veneer and plywood	-	41.5	41.5	40.9	40.5	-	-	-	-	
244	Wooden containers	(*)	39.4	38.5	38.2	38.4	2.9	2.7	2.1	2.3	
2441,2	Wooden boxes, shooks, and crates	-	39.2	38.3	37.9	38.3	-	-	-	-	
249	Miscellaneous wood products	40.9	41.4	41.0	40.8	40.7	3.7	3.8	3.4	3.5	
25	FURNITURE AND FIXTURES	40.3	40.3	40.0	39.7	39.9	2.9	3.0	2.5	2.7	
251	Household furniture	40.3	40.4	40.0	40.0	40.1	2.9	2.8	2.6	2.7	
2511	Wood household furniture	-	40.5	40.0	40.4	40.7	3.0	2.9	3.0	3.1	
2512	Upholstered household furniture	-	40.6	40.0	39.9	40.0	-	-	-	-	
2515	Mattresses and bedsprings	-	38.7	39.9	39.9	38.5	-	-	-	-	
252	Office furniture	-	41.4	41.8	39.0	39.6	3.8	4.1	2.2	2.5	
254	Partitions and fixtures	-	39.8	40.0	38.5	39.4	2.7	3.4	1.9	2.8	
253,9	Other furniture and fixtures	(*)	39.4	39.1	39.7	39.5	2.5	2.8	2.4	2.2	
32	STONE, CLAY, AND GLASS PRODUCTS	42.1	42.1	41.9	41.1	41.3	4.9	5.0	4.2	4.4	
321	Flat glass	-	42.1	43.4	43.6	40.7	4.2	5.4	5.5	3.6	
322	Glass and glassware, pressed or blown	(*)	40.5	40.5	40.2	40.7	4.3	5.3	4.4	4.5	
3221	Glass containers	-	40.8	40.2	40.0	41.1	-	-	-	-	
3229	Pressed and blown glass, n e c	-	40.1	40.9	40.4	40.0	2.8	5.1	3.7	3.4	
324	Cement, hydraulic	42.0	42.0	42.5	42.2	41.2	3.2	3.6	3.1	3.0	
325	Structural clay products	(*)	40.8	41.2	40.1	39.9	3.7	4.1	3.2	3.1	
3251	Brick and structural clay tile	-	42.1	42.0	40.9	40.5	-	-	-	-	
326	Pottery and related products	-	39.5	38.3	39.0	39.2	2.6	2.3	2.4	2.4	
327	Concrete, gypsum and plaster products	44.4	44.9	44.1	42.5	43.4	7.3	6.5	5.6	6.2	
328,9	Other stone and nonmetallic mineral products	(*)	41.1	41.1	41.1	41.1	4.1	4.0	3.4	3.6	
3291	Abrasive products	-	38.0	37.6	37.5	37.3	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	\$173.05	\$172.70	\$171.83	\$156.81	\$157.61	\$4.37	\$4.35	\$4.35	\$3.98	\$3.99
331	Blast furnace and basic steel products ..	(*)	180.21	181.16	161.66	163.70	(*)	4.73	4.73	4.21	4.23
3312	Blast furnaces and steel mills	-	182.47	184.30	163.11	165.17	(*)	4.84	4.85	4.27	4.29
332	Iron and steel foundries	169.74	168.92	162.81	147.75	148.88	4.13	4.10	4.05	3.75	3.75
3321	Gray iron foundries	-	172.64	165.65	143.91	148.06	-	4.14	4.08	3.69	3.72
3322	Malleable iron foundries	-	184.41	177.05	162.96	154.80	-	4.37	4.35	4.20	4.15
3323	Steel foundries	-	152.47	150.15	149.88	148.71	-	3.86	3.86	3.71	3.69
333,4	Nonferrous metals	(*)	170.98	173.89	159.29	158.91	(*)	4.15	4.18	3.82	3.82
3334	Primary aluminum	-	192.64	189.07	168.10	168.92	-	4.71	4.68	4.12	4.12
335	Nonferrous rolling and drawing	(*)	165.62	165.60	152.89	150.18	(*)	4.02	4.00	3.72	3.69
3351	Copper rolling and drawing	-	158.24	159.86	148.14	141.68	-	3.85	3.88	3.76	3.68
3352	Aluminum rolling and drawing	-	174.62	174.71	155.77	154.13	-	4.28	4.22	3.79	3.75
3357	Nonferrous wire drawing and insulating ..	-	161.85	162.18	152.70	150.90	-	3.90	3.88	3.61	3.61
336	Nonferrous foundries	(*)	149.57	143.56	138.73	136.85	(*)	3.73	3.70	3.53	3.50
3361	Aluminum castings	-	153.58	147.04	138.73	136.50	-	3.83	3.78	3.53	3.50
3362,9	Other nonferrous castings	-	144.76	140.09	139.08	137.94	-	3.61	3.62	3.53	3.51
339	Miscellaneous primary metal products ...	178.97	177.60	177.01	170.45	168.82	4.43	4.44	4.47	4.24	4.21
3391	Iron and steel forgings	-	183.28	182.21	175.52	173.49	-	4.64	4.66	4.41	4.37
34	FABRICATED METAL PRODUCTS	153.03	152.31	150.42	142.66	142.61	3.76	3.77	3.77	3.54	3.53
341	Metal cans	(*)	179.93	186.82	169.58	164.74	(*)	4.41	4.48	3.99	3.96
342	Cutlery, hand tools, and hardware	148.68	147.24	141.69	130.25	129.12	3.60	3.60	3.56	3.24	3.22
3421,3,5	Cutlery and hand tools, incl. saws	-	143.91	140.65	133.20	132.87	-	3.51	3.49	3.33	3.33
3429	Hardware, n e c	-	150.10	142.99	127.75	126.23	-	3.67	3.62	3.17	3.14
343	Plumbing and heating, except electric ...	139.55	139.90	137.81	131.60	133.60	3.48	3.48	3.48	3.34	3.34
3431,2	Sanitary ware & plumbers' brass goods ..	-	141.35	138.95	133.23	132.16	-	3.49	3.50	3.39	3.38
3433	Heating equipment, except electric	-	138.80	136.62	130.68	135.46	-	3.47	3.45	3.30	3.32
344	Fabricated structural metal products	151.50	151.88	151.55	145.08	146.52	3.75	3.75	3.77	3.60	3.60
3441	Fabricated structural steel	-	160.96	161.07	149.09	149.97	-	3.86	3.90	3.61	3.64
3442	Metal doors, sash, and trim	-	124.11	125.22	120.59	121.57	-	3.15	3.17	3.10	3.07
3443	Fabricated plate work (boiler shops) ..	-	154.84	154.05	157.32	158.80	-	3.91	3.91	3.80	3.79
3444	Sheet metal work	-	163.62	162.41	149.74	150.44	-	4.03	4.05	3.82	3.78
3446,9	Architectural and misc. metal work ...	-	149.97	147.42	136.72	136.32	-	3.64	3.64	3.47	3.46
345	Screw machine products, bolts, etc.	(*)	154.09	151.47	142.80	141.91	(*)	3.74	3.74	3.57	3.53
3451	Screw machine products	-	148.56	145.67	142.36	139.20	-	3.65	3.66	3.55	3.48
3452	Bolts, nuts, rivets, and washers	-	159.29	156.18	143.24	144.27	-	3.82	3.80	3.59	3.58
346	Metal stampings	166.06	164.83	160.77	151.40	150.59	4.08	4.09	4.07	3.72	3.70
347	Metal services, n e c	(*)	128.54	128.31	126.55	125.29	(*)	3.33	3.35	3.22	3.18
348	Misc. fabricated wire products	(*)	136.28	135.20	127.51	128.55	(*)	3.39	3.38	3.22	3.23
349	Misc. fabricated metal products	(*)	147.23	145.76	141.69	141.65	(*)	3.69	3.69	3.56	3.55
3494,8	Valves, pipe, and pipe fittings	-	149.97	147.73	146.37	145.93	-	3.74	3.74	3.65	3.63
35	MACHINERY, EXCEPT ELECTRICAL	166.04	164.43	164.02	155.09	153.92	4.03	4.04	4.04	3.82	3.81
351	Engines and turbines	185.02	181.35	186.50	172.58	168.44	4.48	4.50	4.56	4.23	4.19
3511	Steam engines and turbines	-	190.76	196.46	195.72	188.26	-	4.63	4.70	4.52	4.44
3519	Internal combustion engines, n e c	-	176.71	181.85	163.58	161.15	-	4.44	4.49	4.11	4.09
352	Farm machinery	-	164.42	168.51	149.29	150.82	-	4.09	4.12	3.77	3.78
353	Construction and related machinery	161.20	161.20	161.20	154.66	154.28	3.99	4.00	4.00	3.80	3.80
3531,2	Construction and mining machinery	-	168.90	166.84	161.50	161.11	-	4.16	4.14	3.92	3.92
3533	Oil field machinery	-	153.82	157.80	149.09	147.96	-	3.77	3.83	3.61	3.60
3535,6	Conveyors, hoists, cranes, monorails ..	-	151.24	154.75	148.40	145.04	-	3.80	3.84	3.71	3.70
3537	Industrial trucks and tractors	-	146.26	145.06	131.95	131.25	-	3.76	3.71	3.50	3.50
354	Metal working machinery	181.40	179.20	174.12	165.65	165.24	4.35	4.36	4.31	4.09	4.09
3541	Machine tools, metal cutting types	-	169.18	167.53	160.00	160.00	-	4.24	4.22	4.00	4.00
3544	Special dies, tools, jigs & fixtures ..	-	201.12	190.85	180.87	180.84	-	4.71	4.61	4.39	4.40
3545	Machine tool accessories	-	161.17	159.54	151.71	150.15	-	4.07	4.07	3.90	3.85
3542,8	Misc. metal working machinery	-	158.80	158.40	154.63	153.87	-	3.96	3.97	3.79	3.79
355	Special industry machinery	156.59	155.07	154.69	147.78	147.74	3.81	3.81	3.81	3.64	3.63
3551	Food products machinery	-	159.18	157.99	150.46	149.63	-	3.94	3.94	3.79	3.75
3552	Textile machinery	-	127.91	128.23	126.54	127.26	-	3.23	3.23	3.14	3.15
3555	Printing trades machinery	-	184.04	183.18	163.51	163.90	-	4.27	4.27	3.94	3.94
356	General industrial machinery	165.23	162.81	161.20	152.36	150.82	4.03	4.01	4.01	3.79	3.78
3561	Pumps and compressors	-	157.49	155.99	155.70	150.66	-	3.86	3.89	3.77	3.72
3562	Ball and roller bearings	-	169.31	169.30	145.54	145.92	-	4.16	4.17	3.81	3.83
3564	Blowers and fans	-	150.47	150.02	142.04	144.73	-	3.67	3.65	3.49	3.53
3566	Power transmission equipment	-	164.43	159.59	157.06	155.47	-	4.05	4.03	3.84	3.82
357	Office and computing machines	166.63	165.03	169.20	156.18	154.98	3.93	3.92	4.00	3.80	3.78
3573	Electronic computing equipment	-	176.23	178.32	161.63	159.14	-	4.07	4.09	3.83	3.78
358	Service industry machines	146.86	145.39	146.17	140.70	139.65	3.69	3.69	3.71	3.50	3.50
3585	Refrigeration machinery	-	146.98	147.78	143.72	144.18	-	3.74	3.77	3.54	3.56
359	Misc. machinery, except electrical	163.05	161.09	159.53	152.40	150.47	3.91	3.91	3.91	3.69	3.67

See footnotes at end of table.

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				
		Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	39.6	39.7	39.5	39.4	39.5	-	2.7	2.7	2.2	2.5
331	Blast furnace and basic steel products	(*)	38.1	38.3	38.4	38.7	-	1.5	1.6	1.3	1.7
3312	Blast furnaces and steel mills	-	37.7	38.0	38.2	38.5	-	1.2	1.3	1.2	1.6
332	Iron and steel foundries	41.1	41.2	40.2	39.4	39.7	-	4.1	3.7	3.0	3.3
3321	Gray iron foundries	-	41.7	40.6	39.0	39.8	-	4.7	4.3	2.8	3.4
3322	Malleable iron foundries	-	42.2	40.7	38.8	37.3	-	-	-	-	-
3323	Steel foundries	-	39.5	38.9	40.4	40.3	-	2.5	2.4	3.3	3.4
333,4	Nonferrous metals	(*)	41.2	41.6	41.7	41.6	-	3.6	4.1	3.9	4.2
3334	Primary aluminum	-	40.9	40.4	40.8	41.0	-	-	-	-	-
335	Nonferrous rolling and drawing	(*)	41.2	41.4	41.1	40.7	-	3.7	4.0	3.1	3.4
3351	Copper rolling and drawing	-	41.1	41.2	39.4	38.5	-	-	-	-	-
3352	Aluminum rolling and drawing	-	40.8	41.4	41.1	41.1	-	3.7	4.0	3.2	3.1
3357	Nonferrous wire drawing and insulating	-	41.5	41.8	42.3	41.8	-	3.9	3.8	4.0	4.6
336	Nonferrous foundries	(*)	40.1	38.8	39.3	39.1	-	2.8	2.4	2.1	2.2
3361	Aluminum castings	-	40.1	38.9	39.3	39.0	-	-	-	-	-
3362,9	Other nonferrous castings	-	40.1	38.7	39.4	39.3	-	-	-	-	-
339	Miscellaneous primary metal products	40.4	40.0	39.6	40.2	40.1	-	2.7	3.0	3.4	3.4
3391	Iron and steel forgings	-	39.5	39.1	39.8	39.7	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	40.7	40.4	39.9	40.3	40.4	-	2.9	2.9	2.8	3.0
341	Metal cans	(*)	40.8	41.7	42.5	41.6	-	2.6	3.9	3.7	3.7
342	Cutlery, hand tools, and hardware	41.3	40.9	39.8	40.2	40.1	-	2.9	2.6	2.3	2.4
3421,3,5	Cutlery and hand tools, incl. saws	-	41.0	40.3	40.0	39.9	-	-	-	-	-
3429	Hardware, n e c	-	40.9	39.5	40.3	40.2	-	-	-	-	-
343	Plumbing and heating, except electric	40.1	40.2	39.6	39.4	40.0	-	2.9	2.7	2.4	2.6
3431,2	Sanitary ware & plumbers' brass goods	-	40.5	39.7	39.3	39.1	-	-	-	-	-
3433	Heating equipment, except electric	-	40.0	39.6	39.6	40.8	-	-	-	-	-
344	Fabricated structural metal products	40.4	40.5	40.2	40.3	40.7	-	2.9	2.8	2.8	3.2
3441	Fabricated structural steel	-	41.7	41.3	41.3	41.2	-	3.7	3.7	3.3	3.7
3442	Metal doors, sash, and trim	-	39.4	39.5	38.9	39.6	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	39.6	39.4	41.4	41.9	-	1.8	1.7	3.2	3.6
3444	Sheet metal work	-	40.6	40.1	39.2	39.8	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	41.2	40.5	39.4	39.4	-	-	-	-	-
345	Screw machine products, bolts, etc.	(*)	41.2	40.5	40.0	40.2	-	3.5	3.0	2.4	2.6
3451	Screw machine products	-	40.7	39.8	40.1	40.0	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	41.7	41.1	39.9	40.3	-	-	-	-	-
346	Metal stampings	40.7	40.3	39.5	40.7	40.7	-	2.8	2.9	3.1	3.4
347	Metal services, n e c	(*)	38.6	38.3	39.3	39.4	-	3.9	3.6	3.5	3.8
348	Misc. fabricated wire products	(*)	40.2	40.0	39.6	39.8	-	3.2	2.8	2.5	2.9
349	Misc. fabricated metal products	(*)	39.9	39.5	39.8	39.9	-	2.5	2.2	2.3	2.6
3494,8	Valves, pipe, and pipe fittings	-	40.1	39.5	40.1	40.2	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	41.2	40.7	40.6	40.6	40.4	-	2.9	2.9	2.6	2.6
351	Engines and turbines	41.3	40.3	40.9	40.8	40.2	-	3.0	4.4	3.9	3.1
3511	Steam engines and turbines	-	41.2	41.8	43.3	42.4	-	-	-	-	-
3519	Internal combustion engines, n e c	-	39.8	40.5	39.8	39.4	-	-	-	-	-
352	Farm machinery	-	40.2	40.9	39.6	39.9	-	3.0	2.5	1.9	2.3
353	Construction and related machinery	40.4	40.3	40.3	40.7	40.6	-	2.3	2.4	2.5	2.6
3531,2	Construction and mining machinery	-	40.6	40.3	41.2	41.1	-	2.4	2.3	2.7	2.7
3533	Oil field machinery	-	40.8	41.2	41.3	41.1	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	39.8	40.3	40.0	39.2	-	-	-	-	-
3537	Industrial trucks and tractors	-	38.9	39.1	37.7	37.5	-	-	-	-	-
354	Metal working machinery	41.7	41.1	40.4	40.5	40.4	-	3.2	2.8	2.5	2.7
3541	Machine tools, metal cutting types	-	39.9	39.7	40.0	40.0	-	2.0	2.0	1.9	2.2
3544	Special dies, tools, jigs, & fixtures	-	42.7	41.4	41.2	41.1	-	-	-	-	-
3545	Machine tool accessories	-	39.6	39.2	38.9	39.0	-	-	-	-	-
3542,8	Misc. metal working machinery	-	40.1	39.9	40.8	40.6	-	1.7	1.3	1.1	1.2
355	Special industry machinery	41.1	40.7	40.6	40.6	40.7	-	2.5	2.7	2.5	2.7
3551	Food products machinery	-	40.4	40.1	39.7	39.9	-	-	-	-	-
3552	Textile machinery	-	39.6	39.7	40.3	40.4	-	-	-	-	-
3555	Printing trades machinery	-	43.1	42.9	41.5	41.6	-	-	-	-	-
356	General industrial machinery	41.0	40.6	40.2	40.2	39.9	-	2.7	2.4	2.0	2.1
3561	Pumps and compressors	-	40.8	40.1	41.3	40.5	-	3.1	2.7	3.0	2.8
3562	Ball and roller bearings	-	40.7	40.6	38.2	38.1	-	2.6	2.1	4	4
3564	Blowers and fans	-	41.0	41.1	40.7	41.0	-	-	-	-	-
3566	Power transmission equipment	-	40.6	39.6	40.9	40.7	-	2.4	2.1	2.5	2.4
357	Office and computing machines	42.4	42.1	42.3	41.1	41.0	-	3.3	3.5	2.3	2.0
3573	Electronic computing equipment	-	43.3	43.6	42.2	42.1	-	-	-	-	-
358	Service industry machines	39.8	39.4	39.4	40.2	39.9	-	2.0	2.5	2.3	2.2
3585	Refrigeration machinery	-	39.3	39.2	40.6	40.5	-	2.1	2.7	2.6	2.6
359	Misc. machinery, except electrical	41.7	41.2	40.8	41.3	41.0	-	3.8	3.6	3.5	3.5

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				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$141.80	\$141.50	\$140.80	\$133.60	\$132.47	\$3.51	\$3.52	\$3.52	\$3.34	\$3.32
361	Electric test & distributing equipment ...	150.18	149.45	150.55	143.62	140.94	3.69	3.69	3.69	3.52	3.48
3611	Electric measuring instruments	-	132.51	132.03	126.01	121.59	-	3.28	3.26	3.19	3.15
3612	Transformers	-	143.35	146.33	141.40	137.54	-	3.62	3.64	3.50	3.43
3613	Switchgear and switchboard apparatus..	-	166.03	166.84	157.92	156.24	-	4.02	4.03	3.76	3.72
362	Electrical industrial apparatus	144.63	143.51	144.68	135.83	135.72	3.58	3.57	3.59	3.43	3.41
3621	Motors and generators	-	146.29	147.42	138.50	138.00	-	3.63	3.64	3.48	3.45
3622	Industrial controls	-	135.72	136.97	131.99	131.54	-	3.41	3.45	3.35	3.33
363	Household appliances	(*)	150.55	150.66	136.06	137.94	(*)	3.69	3.72	3.41	3.44
3632	Household refrigerators and freezers ...	-	166.46	168.51	141.96	146.86	-	4.05	4.09	3.64	3.69
3633	Household laundry equipment	-	171.36	171.33	154.19	154.60	-	4.08	4.06	3.68	3.78
3634	Electric housewares and fans	-	121.30	113.32	115.37	111.39	-	3.01	2.99	2.87	2.82
364	Electric lighting and wiring equipment ...	131.41	131.54	130.81	122.46	122.22	3.31	3.33	3.32	3.14	3.11
3641	Electric lamps	-	132.60	133.27	131.45	132.57	-	3.34	3.34	3.27	3.21
3642	Lighting fixtures	-	133.17	132.55	118.35	118.12	-	3.38	3.39	3.09	3.06
3643,4	Wiring devices	-	129.23	128.44	120.59	119.50	-	3.28	3.26	3.10	3.08
365	Radio and TV receiving equipment	(*)	125.85	121.52	114.55	115.13	(*)	3.17	3.14	2.90	2.90
366	Communication equipment	(*)	157.18	158.34	152.48	149.85	(*)	3.91	3.90	3.71	3.70
3661	Telephone and telegraph apparatus	-	156.42	157.99	149.65	146.69	-	3.95	3.94	3.65	3.64
3662	Radio and TV communication equipment ..	-	158.32	158.67	154.91	152.63	-	3.89	3.87	3.76	3.75
367	Electronic components and accessories ..	118.11	119.20	119.78	115.83	115.05	2.99	3.01	3.04	2.97	2.95
3671-3	Electron tubes	-	136.40	132.55	134.97	134.64	-	3.41	3.39	3.30	3.30
3674,9	Other electronic components	-	116.03	117.32	111.27	110.78	-	2.93	2.97	2.89	2.87
369	Misc. electrical equipment & supplies....	(*)	158.15	150.86	141.17	137.76	(*)	3.82	3.80	3.46	3.41
3694	Engine electrical equipment	-	160.38	147.82	139.30	136.62	-	3.96	3.89	3.50	3.45
37	TRANSPORTATION EQUIPMENT	185.54	182.45	172.82	162.81	161.60	4.46	4.45	4.42	4.01	4.00
371	Motor vehicles and equipment	(*)	196.77	180.48	165.65	166.05	(*)	4.73	4.70	4.05	4.06
3711	Motor vehicles	-	200.41	180.07	174.30	177.66	-	4.90	4.88	4.20	4.23
3712	Passenger car bodies	-	220.75	184.32	164.02	129.05	-	5.11	5.12	4.08	4.11
3713	Truck and bus bodies	-	149.23	149.69	132.35	136.86	-	3.74	3.78	3.42	3.43
3714	Motor vehicle parts and accessories ...	-	197.07	184.74	166.05	165.24	-	4.67	4.63	4.06	4.06
3715	Truck trailers	-	139.65	140.85	130.56	126.92	-	3.50	3.53	3.40	3.34
372	Aircraft and parts	183.92	179.61	175.74	175.10	172.20	4.40	4.37	4.35	4.25	4.20
3721	Aircraft	-	180.81	178.27	177.94	174.64	-	4.41	4.38	4.34	4.27
3722	Aircraft engines and engine parts	-	178.13	171.30	171.37	170.14	-	4.42	4.37	4.19	4.17
3723,9	Other aircraft parts and equipment	-	178.08	175.12	172.21	169.74	-	4.21	4.23	4.11	4.09
373	Ship and boat building and repairing	(*)	155.63	155.22	155.94	148.60	(*)	3.93	3.98	3.86	3.82
3731	Ship building and repairing	-	164.36	164.25	164.02	155.20	-	4.14	4.19	4.02	4.00
3732	Boat building and repairing	-	126.22	125.90	123.95	124.34	-	3.22	3.27	3.17	3.14
374	Railroad equipment	-	173.25	177.64	154.63	151.13	-	4.50	4.52	4.08	4.03
375,9	Other transportation equipment	-	131.20	135.07	121.06	124.26	-	3.33	3.36	3.12	3.13
38	INSTRUMENTS AND RELATED PRODUCTS ..	143.67	142.40	142.80	137.48	136.40	3.53	3.56	3.57	3.42	3.41
381	Engineering & scientific instruments	-	166.80	165.51	157.95	154.03	-	4.17	4.19	3.90	3.87
382	Mechanical measuring & control devices..	139.20	137.86	137.94	132.38	130.65	3.48	3.49	3.51	3.36	3.35
3821	Mechanical measuring devices	-	138.55	137.63	135.14	134.19	-	3.49	3.52	3.37	3.38
3822	Automatic temperature controls	-	136.81	138.55	127.59	126.16	-	3.49	3.49	3.34	3.32
383,5	Optical and ophthalmic goods	(*)	127.98	128.16	124.66	123.64	(*)	3.24	3.22	3.14	3.13
385	Ophthalmic goods	-	118.73	120.17	116.53	116.53	-	3.06	3.05	2.95	2.95
384	Medical instruments and supplies	(*)	124.18	124.66	119.90	117.91	(*)	3.12	3.14	2.99	2.97
386	Photographic equipment and supplies	(*)	177.19	178.43	168.50	169.72	(*)	4.28	4.31	4.07	4.07
387	Watches, clocks, and watchcases	-	110.54	114.00	111.72	110.95	-	2.82	2.85	2.80	2.76
39	MISC. MANUFACTURING INDUSTRIES	116.82	116.33	115.14	111.64	110.30	2.95	2.96	2.97	2.87	2.85
391	Jewelry, silverware, and plated ware....	137.69	133.20	130.75	126.56	123.48	3.35	3.33	3.31	3.18	3.15
394	Toys and sporting goods	-	105.32	104.37	101.13	100.10	-	2.68	2.69	2.62	2.60
3941-3	Games, toys, dolls & play vehicles	-	101.79	99.72	96.13	94.87	-	2.59	2.59	2.51	2.49
3949	Sporting and athletic goods, n e c	-	110.32	110.94	108.53	108.58	-	2.80	2.83	2.79	2.77
395	Pens, pencils, office and art supplies....	-	117.41	118.29	110.49	112.13	-	2.98	3.01	2.90	2.89
396	Costume jewelry and notions	-	105.65	105.26	100.35	99.58	-	2.73	2.72	2.62	2.60
393,9	Other manufacturing industries	123.17	124.26	123.63	120.34	118.95	3.15	3.17	3.17	3.07	3.05
393	Musical instruments and parts	-	128.29	124.85	121.91	119.20	-	3.04	3.06	3.01	2.98
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	135.60	135.20	138.24	131.54	129.51	3.39	3.38	3.38	3.24	3.19
201	Meat products	141.64	139.49	145.49	143.64	139.93	3.48	3.47	3.54	3.42	3.38
2011	Meat packing plants	-	169.32	178.08	182.93	174.17	-	4.15	4.20	4.12	4.06
2013	Sausages and other prepared meats	-	153.66	160.00	154.91	149.45	-	3.91	3.99	3.76	3.69
2015	Poultry dressing plants	-	89.72	90.74	84.41	86.76	-	2.26	2.28	2.17	2.18

See footnotes at end of table.

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				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.4	40.2	40.0	40.0	39.9	-	2.4	2.4	2.2	2.3
361	Electric test & distributing equipment	40.7	40.5	40.8	40.8	40.5	-	2.5	2.7	2.6	2.7
3611	Electric measuring instruments	-	40.4	40.5	39.5	38.6	-	2.3	1.9	1.3	1.4
3612	Transformers	-	39.6	40.2	40.4	40.1	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.3	41.4	42.0	42.0	-	-	-	-	-
362	Electrical industrial apparatus	40.4	40.2	40.3	39.6	39.8	-	2.3	2.4	1.8	2.1
3621	Motors and generators	-	40.3	40.5	39.8	40.0	-	2.3	2.7	2.0	2.2
3622	Industrial controls	-	39.8	39.7	39.4	39.5	-	2.4	1.9	1.7	1.7
363	Household appliances	(*)	40.8	40.5	39.9	40.1	-	2.7	2.9	2.4	2.7
3632	Household refrigerators and freezers	-	41.1	41.2	39.0	39.8	-	-	-	-	-
3633	Household laundry equipment	-	42.0	42.2	41.9	40.9	-	-	-	-	-
3634	Electric housewares and fans	-	40.3	37.9	40.2	39.5	-	2.9	2.5	2.6	2.4
364	Electric lighting and wiring equipment	39.7	39.5	39.4	39.0	39.3	-	2.0	1.9	1.8	2.0
3641	Electric lamps	-	39.7	39.9	40.2	41.3	-	1.5	1.5	2.4	3.0
3642	Lighting fixtures	-	39.4	39.1	38.3	38.6	-	2.1	1.8	1.4	1.6
3643,4	Wiring devices	-	39.4	39.4	38.9	38.8	-	2.2	2.1	1.8	1.8
365	Radio and TV receiving equipment	(*)	39.7	38.7	39.5	39.7	-	2.3	2.0	1.9	2.8
366	Communication equipment	(*)	40.2	40.6	41.1	40.5	-	2.2	2.3	2.8	2.6
3661	Telephone and telegraph apparatus	-	39.6	40.1	41.0	40.3	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.7	41.0	41.2	40.7	-	2.6	2.5	2.5	2.5
367	Electronic components and accessories	39.5	39.6	39.4	39.0	39.0	-	2.1	2.1	1.5	1.4
3671-3	Electron tubes	-	40.0	39.1	40.9	40.8	-	1.9	1.6	2.6	2.0
3674,9	Other electronic components	-	39.6	39.5	38.5	38.6	-	2.2	2.3	1.2	1.3
369	Misc. electrical equipment & supplies	(*)	41.4	39.7	40.8	40.4	-	3.4	3.1	2.9	2.9
3694	Engine electrical equipment	-	40.5	38.0	39.8	39.6	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	41.6	41.0	39.1	40.6	40.4	-	3.4	3.0	2.8	3.0
371	Motor vehicles and equipment	(*)	41.6	38.4	40.9	40.9	-	3.9	2.9	3.1	3.4
3711	Motor vehicles	-	40.9	36.9	41.5	42.0	-	2.9	2.3	3.4	4.1
3712	Passenger car bodies	-	43.2	36.1	40.2	31.4	-	-	-	-	-
3713	Truck and bus bodies	-	39.9	39.6	38.7	39.9	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	42.2	39.9	40.9	40.7	-	4.1	2.8	3.3	3.4
3715	Truck trailers	-	39.9	39.9	38.4	38.0	-	-	-	-	-
372	Aircraft and parts	41.8	41.1	40.4	41.2	41.0	-	2.6	2.7	2.6	2.6
3721	Aircraft	-	41.0	40.7	41.0	40.9	-	2.3	2.7	1.9	1.8
3722	Aircraft engines and engine parts	-	40.3	39.2	40.9	40.8	-	2.4	2.1	3.2	3.1
3723,9	Other aircraft parts and equipment	-	42.3	41.4	41.9	41.5	-	3.8	3.4	3.6	3.7
373	Ship and boat building and repairing	(*)	39.6	39.0	40.4	38.9	-	3.1	3.9	3.4	3.1
3731	Ship building and repairing	-	39.7	39.2	40.8	38.8	-	-	-	-	-
3732	Boat building and repairing	-	39.2	38.5	39.1	39.6	-	-	-	-	-
374	Railroad equipment	-	38.5	39.3	37.9	37.5	-	1.9	2.5	1.7	1.5
375,9	Other transportation equipment	-	39.7	40.2	38.8	39.7	-	2.8	3.2	2.1	2.7
38	INSTRUMENTS AND RELATED PRODUCTS	40.7	40.0	40.0	40.2	40.0	-	2.3	2.4	2.1	2.1
381	Engineering & scientific instruments	-	40.0	39.5	40.5	39.8	-	2.5	2.2	2.4	2.2
382	Mechanical measuring & control devices	40.0	39.5	39.3	39.4	39.0	-	2.1	2.2	1.8	1.8
3821	Mechanical measuring devices	-	39.7	39.1	40.1	39.7	-	2.3	2.0	2.2	2.1
3822	Automatic temperature controls	-	39.2	39.7	38.2	38.0	-	1.9	2.4	1.3	1.5
383,5	Optical and ophthalmic goods	(*)	39.5	39.8	39.7	39.5	-	2.0	1.8	1.8	1.9
385	Ophthalmic goods	-	38.8	39.4	39.5	39.5	-	1.8	1.9	1.9	2.1
384	Medical instruments and supplies	(*)	39.8	39.7	40.1	39.7	-	2.1	2.1	2.2	2.1
386	Photographic equipment and supplies	(*)	41.4	41.4	41.4	41.7	-	2.7	3.2	2.6	2.7
387	Watches, clocks, and watch cases	-	39.2	40.0	39.9	40.2	-	2.5	2.4	1.8	1.9
39	MISC. MANUFACTURING INDUSTRIES	39.6	39.3	38.9	38.9	38.7	-	2.6	2.5	2.4	2.3
391	Jewelry, silverware, and plated ware	41.1	40.0	39.5	39.8	39.2	-	3.9	3.1	3.1	2.4
394	Toys and sporting goods	-	39.3	38.8	38.6	38.5	-	2.5	2.5	2.2	2.5
3941-3	Games, toys, dolls, & play vehicles	-	39.3	38.5	38.3	38.1	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.4	39.2	38.9	39.2	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.4	39.3	38.1	38.8	-	1.9	1.7	1.4	1.5
396	Costume jewelry and notions	-	38.7	38.7	38.3	38.3	-	2.1	2.4	2.3	2.1
393,9	Other manufacturing industries	39.1	39.2	39.0	39.2	39.0	-	2.5	2.4	2.5	2.3
393	Musical instruments and parts	-	42.2	40.8	40.5	40.0	-	3.8	3.3	3.3	2.7
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	40.0	40.0	40.9	40.6	40.6	-	3.7	4.4	4.0	4.1
201	Meat products	40.7	40.2	41.1	42.0	41.4	-	4.0	4.7	5.4	5.0
2011	Meat packing plants	-	40.8	42.4	44.4	42.9	-	4.2	5.2	6.7	5.4
2013	Sausages and other prepared meats	-	39.3	40.1	41.2	40.5	-	-	-	-	-
2015	Poultry dressing plants	-	39.7	39.8	38.9	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					
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	
	<i>Nondurable Goods--Continued</i>											
	FOOD AND KINDRED PRODUCTS--Continued											
202	Dairy products	(*)	\$142.68	\$146.02	\$137.35	\$136.86	(*)	\$3.48	\$3.51	\$3.35	\$3.33	
2024	Ice cream and frozen desserts	-	134.92	139.19	125.76	126.08	-	3.39	3.42	3.20	3.20	
2026	Fluid milk	-	150.70	155.24	146.08	145.67	-	3.64	3.67	3.52	3.51	
203	Canned, cured, and frozen foods	-	105.75	114.34	100.81	103.22	-	2.82	2.88	2.66	2.64	
2031,6	Canned, cured, and frozen sea foods	-	82.84	82.13	79.35	86.25	-	2.36	2.43	2.30	2.30	
2032,3	Canned food, except sea foods	-	111.00	122.36	107.31	107.96	-	2.96	2.97	2.78	2.74	
2037	Frozen fruits and vegetables	-	99.96	100.81	96.75	97.22	-	2.61	2.66	2.50	2.48	
204	Grain mill products	\$156.09	159.84	161.82	150.72	151.09	\$3.58	3.60	3.58	3.41	3.35	
2041	Flour and other grain mill products	-	177.02	182.11	163.44	165.56	-	3.84	3.85	3.53	3.53	
2042	Prepared feeds for animals and fowls	-	137.86	141.07	135.30	133.44	-	3.05	3.06	3.00	2.92	
205	Bakery products	138.02	138.02	139.83	130.99	129.81	3.53	3.53	3.54	3.35	3.32	
2051	Bread, cake, and related products	-	140.43	142.60	133.28	131.77	-	3.61	3.61	3.40	3.37	
2052	Cookies and crackers	-	130.94	130.41	123.38	122.54	-	3.29	3.31	3.18	3.15	
206	Sugar	-	141.29	149.00	136.10	128.61	-	3.55	3.86	3.18	3.16	
207	Confectionery and related products	(*)	119.90	121.81	110.32	110.60	(*)	2.99	3.03	2.80	2.80	
2071	Confectionery products	-	115.02	116.80	106.08	106.62	-	2.89	2.92	2.72	2.72	
208	Beverages	(*)	159.60	162.38	152.04	149.65	(*)	4.00	3.98	3.82	3.76	
2082	Malt liquors	-	211.01	216.83	200.98	195.54	-	5.21	5.25	4.89	4.84	
2086	Bottled and canned soft drinks	-	114.37	119.58	109.24	109.03	-	2.94	2.96	2.83	2.81	
209	Misc. foods and kindred products	(*)	138.78	141.88	133.77	129.90	(*)	3.32	3.37	3.17	3.13	
21	TOBACCO MANUFACTURES	106.25	111.87	114.53	112.81	111.11	3.01	3.04	3.03	2.93	2.82	
211	Cigarettes	-	136.54	141.41	141.02	140.34	-	3.89	3.95	3.57	3.58	
212	Cigars	-	87.40	86.54	84.44	85.28	-	2.30	2.32	2.27	2.25	
22	TEXTILE MILL PRODUCTS	107.38	106.19	104.75	100.80	99.50	2.60	2.59	2.58	2.52	2.50	
221	Weaving mills, cotton	108.62	106.91	103.68	104.49	102.50	2.58	2.57	2.56	2.53	2.50	
222	Weaving mills, synthetics	111.51	110.20	109.93	104.30	102.72	2.63	2.63	2.63	2.55	2.53	
223	Weaving and finishing mills, wool	110.83	109.60	110.42	98.28	98.42	2.75	2.74	2.74	2.60	2.59	
224	Narrow fabric mills	100.65	98.78	99.65	99.29	97.17	2.51	2.52	2.51	2.47	2.46	
225	Knitting mills	96.25	96.11	94.98	90.51	89.76	2.50	2.49	2.48	2.42	2.40	
2251	Women's hosiery, except socks	-	84.85	84.96	80.24	80.58	-	2.37	2.36	2.36	2.37	
2252	Hosiery, n e c	-	85.88	83.70	81.25	81.84	-	2.26	2.25	2.19	2.20	
2253	Knit outerwear mills	-	101.92	98.69	94.37	95.48	-	2.60	2.57	2.49	2.48	
2254	Knit underwear mills	-	88.62	85.47	86.49	84.07	-	2.32	2.31	2.27	2.23	
226	Textile finishing, except wool	119.78	117.85	116.62	112.74	110.68	2.76	2.76	2.72	2.71	2.68	
227	Floor covering mills	-	120.12	117.78	111.78	110.93	-	2.73	2.72	2.63	2.61	
228	Yarn and thread mills	102.55	100.98	102.55	94.71	93.03	2.43	2.41	2.43	2.35	2.32	
229	Miscellaneous textile goods	(*)	120.60	119.60	110.55	111.50	(*)	2.92	2.91	2.75	2.76	
23	APPAREL AND OTHER TEXTILE PRODUCTS	92.09	90.47	89.82	86.02	84.46	2.53	2.52	2.53	2.43	2.42	
231	Men's and boys' suits and coats	113.46	112.27	111.96	100.64	97.94	3.10	3.11	3.11	2.96	2.95	
232	Men's and boys' furnishings	(*)	81.10	80.52	78.11	77.75	(*)	2.18	2.20	2.14	2.13	
2321	Men's and boys' shirts and nightwear	-	79.06	79.21	77.11	76.80	-	2.16	2.17	2.13	2.11	
2327	Men's and boys' separate trousers	-	81.00	80.66	77.38	77.23	-	2.16	2.18	2.12	2.11	
2328	Men's and boys' work clothing	-	77.42	76.38	74.66	73.69	-	2.07	2.11	2.04	2.03	
233	Women's and misses' outerwear	(*)	91.73	91.85	88.63	85.74	(*)	2.73	2.75	2.63	2.63	
2331	Women's and misses' blouses and waists	-	83.90	80.78	80.24	78.35	-	2.37	2.39	2.36	2.36	
2335	Women's and misses' dresses	-	90.20	90.76	88.62	85.72	-	2.81	2.81	2.71	2.73	
2337	Women's and misses' suits and coats	-	106.85	109.16	101.95	97.91	-	3.18	3.22	3.08	3.05	
2339	Women's and misses' outerwear, n e c	-	84.84	82.02	81.31	78.23	-	2.35	2.33	2.24	2.21	
234	Women's and children's undergarments	84.41	84.41	84.32	80.81	80.22	2.30	2.30	2.31	2.22	2.21	
2341	Women's and children's underwear	-	81.98	81.76	79.42	78.62	-	2.24	2.24	2.17	2.16	
2342	Corsets and allied garments	-	90.41	89.79	84.84	85.07	-	2.45	2.46	2.35	2.35	
235	Hats, caps, and millinery	-	85.08	84.94	83.22	82.04	-	2.37	2.34	2.28	2.26	
236	Children's outerwear	81.66	81.08	80.15	79.45	79.33	2.32	2.33	2.33	2.27	2.26	
2361	Children's dresses and blouses	-	77.72	74.29	77.86	76.84	-	2.32	2.30	2.27	2.26	
237,8	Fur goods and miscellaneous apparel	-	96.52	94.90	93.40	92.06	-	2.63	2.60	2.58	2.55	
239	Misc. fabricated textile products	(*)	100.58	99.15	93.61	92.00	(*)	2.64	2.63	2.47	2.46	
2391,2	Housefurnishings	-	88.78	89.01	85.47	84.04	-	2.30	2.30	2.22	2.20	
26	PAPER AND ALLIED PRODUCTS	157.73	157.78	159.09	147.55	147.07	3.72	3.73	3.77	3.53	3.51	
261,2,6	Paper and pulp mills	(*)	180.50	183.92	169.26	168.44	(*)	4.14	4.18	3.90	3.89	
263	Paperboard mills	190.87	190.00	194.85	178.00	175.92	4.27	4.26	4.33	4.00	3.98	
264	Misc. converted paper products	138.84	136.75	136.82	128.24	127.35	3.37	3.36	3.37	3.19	3.16	
2643	Bags, except textile bags	-	132.00	132.00	124.57	124.22	-	3.30	3.30	3.13	3.09	
265	Paperboard containers and boxes	(*)	143.18	141.51	133.01	133.58	(*)	3.45	3.46	3.26	3.25	
2651,2	Folding and setup paperboard boxes	-	131.22	131.86	123.93	120.99	-	3.24	3.28	3.06	3.04	
2653	Corrugated and solid fiber boxes	-	154.64	149.92	140.01	143.64	-	3.63	3.63	3.44	3.42	
2654	Sanitary food containers	-	135.94	137.45	131.97	130.60	-	3.34	3.32	3.18	3.17	

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				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	(*)	41.0	41.6	41.0	41.1	-	3.6	4.1	3.5	5.8
2024	Ice cream and frozen desserts.....	-	39.8	40.7	39.3	39.4	-	-	-	-	-
2026	Fluid milk.....	-	41.4	42.3	41.5	41.5	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	37.5	39.7	37.9	39.1	-	2.7	4.3	2.7	3.1
2031,6	Canned, cured and frozen sea foods..	-	35.1	33.8	34.5	37.5	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	37.5	41.2	38.6	39.4	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	38.3	37.9	38.7	39.2	-	-	-	-	-
204	Grain mill products.....	43.6	44.4	45.2	44.2	45.1	-	6.5	7.0	6.1	7.2
2041	Flour and other grain mill product..	-	46.1	47.3	46.3	46.9	-	-	-	-	-
2042	Prepared feeds for animals and fowls	-	45.2	46.1	45.1	45.7	-	-	-	-	-
205	Bakery products.....	39.1	39.1	39.5	39.1	39.1	-	3.2	3.4	3.2	3.2
2051	Bread, cake, and related products...	-	38.9	39.5	39.2	39.1	-	-	-	-	-
2052	Cookies and crackers.....	-	39.8	39.4	38.8	38.9	-	-	-	-	-
206	Sugar.....	-	39.8	38.6	42.8	40.7	-	4.0	4.2	4.7	4.2
207	Confectionery and related products...	(*)	40.1	40.2	39.4	39.5	-	3.0	3.2	2.6	2.5
2071	Confectionery products.....	-	39.8	40.0	39.0	39.2	-	-	-	-	-
208	Beverages.....	(*)	39.9	40.8	39.8	39.8	-	3.3	3.9	3.0	3.2
2082	Malt liquors.....	-	40.5	41.3	41.1	40.4	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	38.9	40.4	38.6	38.8	-	-	-	-	-
209	Misc. foods and kindred products.....	(*)	41.8	42.1	42.2	41.5	-	5.1	4.9	5.3	4.8
21	TOBACCO MANUFACTURES.....	35.3	36.8	37.8	38.5	39.4	-	1.6	2.5	2.0	2.3
211	Cigarettes.....	-	35.1	35.8	39.5	39.2	-	1.7	3.2	2.7	2.8
212	Cigars.....	-	38.0	37.3	37.2	37.9	-	1.8	2.0	1.0	1.9
22	TEXTILE MILL PRODUCTS.....	41.3	41.0	40.6	40.0	39.8	-	4.2	4.0	3.4	3.3
221	Weaving mills, cotton.....	42.1	41.6	40.5	41.3	41.0	-	5.0	4.4	4.2	4.2
222	Weaving mills, synthetics.....	42.4	41.9	41.8	40.9	40.6	-	4.7	4.5	3.3	3.3
223	Weaving and finishing mills, wool....	40.3	40.0	40.3	37.8	38.0	-	3.5	3.1	1.8	2.0
224	Narrow fabric mills.....	40.1	39.2	39.7	40.2	39.5	-	2.9	3.0	2.7	2.2
225	Knitting mills.....	38.5	38.6	38.3	37.4	37.4	-	2.7	2.6	2.3	2.3
2251	Women's hosiery, except socks.....	-	35.8	36.0	34.0	34.0	-	-	-	-	-
2252	Hosiery, n e c.....	-	38.0	37.2	37.1	37.2	-	-	-	-	-
2253	Knit outerwear mills.....	-	39.2	38.4	37.9	38.5	-	-	-	-	-
2254	Knit underwear mills.....	-	38.2	37.0	38.1	37.7	-	-	-	-	-
226	Textile finishing, except wool.....	43.4	42.7	42.1	41.6	41.3	-	5.2	4.9	4.7	4.3
227	Floor covering mills.....	-	44.0	43.3	42.5	42.5	-	6.0	5.9	4.5	4.3
228	Yarn and thread mills.....	42.2	41.9	42.2	40.3	40.1	-	4.7	4.8	3.6	3.5
229	Miscellaneous textile goods.....	(*)	41.3	41.1	40.2	40.4	-	4.2	4.0	3.0	3.2
23	APPAREL AND OTHER TEXTILE PRODUCTS	36.4	35.9	35.5	35.4	34.9	-	1.5	1.3	1.2	1.2
231	Men's and boys' suits and coats.....	36.6	36.1	36.0	34.0	33.2	-	1.3	1.3	.6	.7
232	Men's and boys' furnishings.....	(*)	37.2	36.6	36.5	36.5	-	1.3	1.3	1.1	1.1
2321	Men's and boys' shirts and nightwear	-	36.6	36.5	36.2	36.4	-	1.2	1.3	.9	1.0
2327	Men's and boys' separate trousers...	-	37.5	37.0	36.5	36.6	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	37.4	36.2	36.6	36.3	-	1.4	1.3	1.0	1.0
233	Women's and misses' outerwear.....	(*)	33.6	33.4	33.7	32.6	-	1.3	1.0	1.1	1.0
2331	Women's and misses' blouses and waists	-	35.4	33.8	34.0	33.2	-	-	-	-	-
2335	Women's and misses' dresses.....	-	32.1	32.3	32.7	31.4	-	1.0	.8	.9	.9
2337	Women's and misses' suits and coats...	-	33.6	33.9	33.1	32.1	-	2.0	1.5	1.4	1.2
2339	Women's and misses' outerwear, n e c	-	36.1	35.2	36.3	35.4	-	1.4	1.2	1.2	1.1
234	Women's and children's undergarments..	36.7	36.7	36.5	36.4	36.3	-	1.8	1.4	1.3	1.5
2341	Women's and children's underwear...	-	36.6	36.5	36.6	36.4	-	-	-	-	-
2342	Corsets and allied garments.....	-	36.9	36.5	36.1	36.2	-	-	-	-	-
235	Hats, caps, and millinery.....	-	35.9	36.3	36.5	36.3	-	1.1	1.1	1.1	.9
236	Children's outerwear.....	35.2	34.8	34.4	35.0	35.1	-	1.0	1.1	1.1	1.0
2361	Children's dresses and blouses.....	-	33.5	32.3	34.3	34.0	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel...	-	36.7	36.5	36.2	36.1	-	1.7	1.5	1.5	1.3
239	Misc. fabricated textile products.....	(*)	38.1	37.7	37.9	37.4	-	2.2	2.1	2.1	2.0
2391,2	Housefurnishings.....	-	38.6	38.7	38.5	38.2	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS.....	42.4	42.3	42.2	41.8	41.9	-	4.7	5.1	4.4	4.5
261,2,6	Paper and pulp mills.....	(*)	43.6	44.0	43.4	43.3	-	5.7	6.2	5.5	5.6
263	Paperboard mills.....	44.7	44.6	45.0	44.5	44.2	-	7.0	9.0	7.0	6.5
264	Misc. converted paper products.....	41.2	40.7	40.6	40.2	40.3	-	3.4	3.4	2.9	3.2
2643	Bags, except textile bags.....	-	40.0	40.0	39.8	40.2	-	-	-	-	-
265	Paperboard containers and boxes.....	(*)	41.5	40.9	40.8	41.1	-	4.2	4.2	3.6	4.0
2651,2	Folding and set-up paperboard boxes..	-	40.5	40.2	40.5	39.8	-	-	-	-	-
2653	Corrugated and solid fiber boxes....	-	42.6	41.3	40.7	42.0	-	5.3	4.9	3.6	4.4
2654	Sanitary food containers.....	-	40.7	41.4	41.5	41.2	-	-	-	-	-

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					
		Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	
	<i>Nondurable Goods--Continued</i>											
	PRINTING AND PUBLISHING											
27	Newspapers.....	\$161.03	\$159.75	\$163.36	\$150.75	\$150.38	\$4.26	\$4.26	\$4.28	\$4.02	\$4.01	
271	Periodicals.....	166.50	164.85	166.96	154.07	153.28	4.69	4.67	4.69	4.34	4.33	
272	Books.....	-	176.84	179.65	172.10	172.51	-	4.41	4.48	4.26	4.27	
273	Commercial printing.....	(*)	146.69	151.30	140.54	138.28	(*)	3.81	3.84	3.66	3.62	
275	Commercial printing, ex. lithographic.....	(*)	165.12	167.09	155.47	155.88	(*)	4.30	4.34	4.07	4.07	
2751	Commercial printing, lithographic.....	-	159.78	160.55	150.89	152.05	-	4.15	4.17	3.95	3.97	
2752	Blankbooks and bookbinding.....	-	175.56	178.02	161.54	162.47	-	4.56	4.60	4.24	4.22	
278	Other publishing & printing ind.....	(*)	122.94	125.00	115.60	114.61	(*)	3.21	3.23	3.05	3.04	
274,6,7,9		158.18	155.77	155.70	148.95	146.23	41.3	41.1	4.13	3.93	3.91	
	CHEMICALS AND ALLIED PRODUCTS											
28	Industrial chemicals.....	167.62	165.60	169.66	157.29	155.70	40.1	4.00	4.03	3.79	3.77	
281	Alkalies and chlorine.....	190.83	186.87	192.58	176.81	175.14	4.49	4.46	4.51	4.18	4.17	
2812	Industrial organic chemicals, n e c.....	-	189.22	200.23	187.39	181.46	-	4.38	4.53	4.23	4.22	
2818	Industrial inorganic chemicals, n e c.....	-	201.18	207.69	185.26	182.65	-	4.79	4.83	4.39	4.38	
2819	Plastics materials and synthetics.....	164.61	161.82	168.52	154.75	152.81	166.05	3.91	3.89	3.91	3.72	
282	Plastics materials and resins.....	-	181.75	183.04	169.06	163.80	-	4.14	4.16	3.95	3.90	
2821	Synthetic fibers.....	-	143.64	154.70	139.66	139.32	-	3.60	3.64	3.44	3.44	
2823,4	Drugs.....	153.52	154.31	154.69	148.64	145.12	3.80	3.81	3.81	3.67	3.61	
283	Pharmaceutical preparations.....	-	149.04	149.51	143.47	139.65	-	3.68	3.71	3.56	3.50	
2834	Soap, cleaners, and toilet goods.....	(*)	162.33	160.74	151.78	153.26	(*)	3.94	3.93	3.72	3.72	
284	Soap and other detergents.....	-	203.63	200.38	191.03	192.92	-	4.86	4.84	4.57	4.55	
2841	Toilet preparations.....	-	132.34	131.87	126.17	126.98	-	3.22	3.24	3.10	3.12	
2844	Paints and allied products.....	150.18	149.81	151.40	140.49	141.10	3.69	3.69	3.72	3.53	3.51	
285	Agricultural chemicals.....	(*)	139.44	143.37	130.51	129.47	(*)	3.36	3.43	3.16	3.15	
287	Fertilizers, complete & mixing only.....	-	132.39	136.69	125.82	125.70	-	3.19	3.27	3.01	3.00	
2871,2	Other chemical products.....	160.36	157.29	159.14	149.23	146.14	3.80	3.79	3.78	3.57	3.53	
286,9	Explosives.....	-	159.95	164.67	155.08	150.06	-	3.93	3.93	3.71	3.66	
2892		194.50	197.16	199.45	187.05	187.06	4.62	4.65	4.66	4.34	4.32	
29	PETROLEUM AND COAL PRODUCTS											
291	Petroleum refining.....	(*)	203.91	207.27	193.86	193.91	(*)	4.89	4.90	4.54	4.52	
295,9	Other petroleum and coal products.....	170.82	175.22	175.28	163.39	165.23	39.0	3.92	3.93	3.68	3.68	
	RUBBER AND PLASTICS PRODUCTS, N E C											
30	Tires and inner tubes.....	140.07	140.48	140.94	130.61	129.28	3.45	3.46	3.48	3.29	3.24	
301	Other rubber products.....	197.18	199.55	201.03	174.10	176.31	4.74	4.74	4.73	4.43	4.43	
302,3,6	Rubber footwear.....	132.40	134.27	133.33	125.45	124.66	3.31	3.34	3.35	3.16	3.14	
302	Miscellaneous plastics products.....	121.50	121.30	121.50	117.01	115.89	3.00	3.01	3.03	2.94	2.89	
307		100.08	98.89	96.68	93.37	92.00	2.62	2.63	2.62	2.51	2.50	
31	LEATHER AND LEATHER PRODUCTS											
311	Leather tanning and finishing.....	(*)	132.73	132.66	125.45	124.57	(*)	3.31	3.30	3.16	3.13	
314	Footwear, except rubber.....	95.63	95.60	93.08	90.04	87.97	2.55	2.57	2.55	2.44	2.43	
312,3,5-7,5	Other leather products.....	(*)	96.77	93.73	91.51	91.76	(*)	2.56	2.54	2.46	2.46	
316	Luggage.....	-	97.62	96.65	89.60	90.11	-	2.66	2.67	2.56	2.51	
317	Handbags and personal leather goods.....	-	95.38	92.62	92.40	92.30	-	2.51	2.51	2.40	2.41	
	TRANSPORTATION AND PUBLIC UTILITIES											
	RAILROAD TRANSPORTATION:											
11	Class I railroads ²	-	(*)	194.92	173.05	170.87	(*)	4.39	3.96	3.91	3.91	
	LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation.....	-	155.77	152.88	148.19	148.33	-	3.70	3.64	3.52	3.49	
413	Intercity highway transportation.....	-	168.33	175.80	173.47	169.74	-	4.24	4.33	4.14	4.11	
	TRUCKING AND WAREHOUSING											
42	Trucking and trucking terminals.....	-	188.16	189.03	164.79	165.60	-	4.48	4.49	3.99	4.00	
421,3	Public warehousing.....	-	193.70	193.73	168.50	169.73	-	4.59	4.58	4.08	4.08	
422		-	128.64	132.26	125.14	119.34	-	3.20	3.34	3.03	3.06	
46	PIPE LINE TRANSPORTATION											
48	COMMUNICATION											
481	Telephone communication.....	-	149.77	156.42	139.70	136.50	-	3.88	3.95	3.51	3.50	
4817	Switchboard operating employees ³	-	147.84	155.23	136.86	134.11	-	3.83	3.91	3.43	3.43	
4818	Line construction employees ⁴	-	107.55	112.75	108.12	100.86	-	3.22	3.24	2.93	2.89	
482	Telegraph communication ⁵	-	208.26	223.63	189.55	185.24	-	4.68	4.83	4.25	4.21	
483	Radio and television broadcasting.....	(*)	163.88	163.88	156.70	151.64	(*)	3.90	3.76	3.78	3.78	
								4.29	4.29	4.07	3.98	

See footnotes at end of table.

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				
		Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	37.8	37.5	37.7	37.5	37.5	-	2.7	2.9	2.7	2.8
271	Newspapers.....	35.5	35.3	35.6	35.5	35.4	-	2.4	2.6	2.6	2.5
272	Periodicals.....	-	40.1	40.1	40.4	40.4	-	4.4	4.2	3.8	4.3
273	Books.....	-	38.5	39.4	38.4	38.2	-	2.3	3.2	2.3	2.2
275	Commercial printing.....	(*)	38.4	38.5	38.2	38.3	-	3.0	3.3	2.9	3.3
2751	Commercial printing, ex. lithographic.....	-	38.5	38.5	38.2	38.3	-	3.0	3.2	2.9	3.2
2752	Commercial printing, lithographic	-	38.5	38.7	38.1	38.5	-	3.2	3.6	3.0	3.5
278	Blankbooks and bookbinding.....	(*)	38.3	38.7	37.9	37.7	-	2.0	2.2	1.7	2.0
274,6,7,9	Other publishing & printing ind.....	38.3	37.9	37.7	37.9	37.4	-	2.6	2.2	2.2	2.1
28	CHEMICALS AND ALLIED PRODUCTS..	41.8	41.4	42.1	41.5	41.3	-	3.2	3.6	2.9	3.0
281	Industrial chemicals.....	42.5	41.9	42.7	42.3	42.0	-	3.5	4.1	3.4	3.5
2812	Alkalies and chlorine.....	-	43.2	44.2	44.3	43.0	-	-	-	-	-
2818	Industrial organic chemicals, n e c.....	-	42.0	43.0	42.2	41.7	-	3.3	3.8	2.8	2.8
2819	Industrial inorganic chemicals, n e c.....	-	40.6	41.7	41.0	41.1	-	2.8	3.7	3.0	3.3
282	Plastics materials and synthetics.....	42.1	41.6	43.1	41.6	41.3	-	3.3	3.4	2.6	2.6
2821	Plastics materials and resins.....	-	43.9	44.0	42.8	42.0	-	5.3	4.6	3.9	3.7
2823,4	Synthetic fibers.....	-	39.9	42.5	40.6	40.5	-	1.9	2.6	1.6	1.7
283	Drugs.....	40.4	40.5	40.6	40.5	40.2	-	2.8	2.9	2.5	1.9
2834	Pharmaceutical preparations.....	-	40.5	40.3	40.3	39.9	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	(*)	41.2	40.9	40.8	41.2	-	3.3	3.3	2.9	3.5
2841	Soap and other detergents.....	-	41.9	41.4	41.8	42.4	-	-	-	-	-
2844	Toilet preparations.....	-	41.1	40.7	40.7	40.7	-	-	-	-	-
285	Paints and allied products.....	40.7	40.6	40.7	39.8	40.2	-	2.9	2.9	1.8	2.5
287	Agricultural chemicals.....	(*)	41.5	41.8	41.3	41.1	-	3.6	4.0	3.0	3.6
2871,2	Fertilizers, complete & mixing only..	-	41.5	41.8	41.8	41.9	-	-	-	-	-
286,9	Other chemical products.....	42.2	41.5	42.1	41.8	41.4	-	3.0	3.5	3.3	3.0
2892	Explosives.....	-	40.7	41.9	41.8	41.0	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS.....	42.1	42.4	42.8	43.1	43.3	-	3.8	4.0	4.3	4.6
291	Petroleum refining.....	(*)	41.7	42.3	42.7	42.9	-	2.9	3.1	3.5	3.8
295,9	Other petroleum and coal products.....	43.8	44.7	44.6	44.4	44.9	-	6.9	7.2	7.1	7.3
30	RUBBER AND PLASTICS PRODUCTS, NEC..	40.6	40.6	40.5	39.7	39.9	-	3.6	3.7	2.8	3.2
301	Tires and inner tubes.....	41.6	42.1	42.5	39.3	39.8	-	4.9	5.1	3.2	4.2
302,3,6	Other rubber products.....	40.0	40.2	39.8	39.7	39.7	-	3.0	3.0	2.3	2.5
302	Rubber footwear.....	-	38.3	38.5	39.4	39.5	-	1.9	2.1	2.4	2.5
307	Miscellaneous plastics products.....	40.5	40.3	40.1	39.8	40.1	-	3.5	3.5	3.0	3.2
31	LEATHER AND LEATHER PRODUCTS.....	38.2	37.6	36.9	37.2	36.8	-	2.3	1.8	1.7	1.6
311	Leather tanning and finishing.....	(*)	40.1	40.2	39.7	39.8	-	3.3	3.2	3.1	3.3
314	Footwear, except rubber.....	37.5	37.2	36.5	36.9	36.2	-	2.2	1.6	1.5	1.3
312,3,5-7,9	Other leather products.....	(*)	37.8	36.9	37.2	37.3	-	2.2	1.7	1.8	1.9
316	Luggage.....	-	36.7	36.2	35.0	35.9	-	1.2	1.2	1.2	1.5
317	Handbags and personal leather goods..	-	38.0	36.9	38.5	38.3	-	2.5	1.9	2.4	2.6
	TRANSPORTATION AND PUBLIC UTILITIES.....	40.8	40.7	40.8	40.5	40.4	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
.311	Class I railroads ²	-	(*)	44.4	43.7	43.7	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation.....	-	42.1	42.0	42.1	42.5	-	-	-	-	-
413	Intercity highway transportation.....	-	39.7	40.6	41.9	41.3	-	-	-	-	-
42	TRUCKING AND WAREHOUSING.....	-	42.0	42.1	41.3	41.4	-	-	-	-	-
421,3	Trucking and trucking terminals.....	-	42.2	42.3	41.3	41.6	-	-	-	-	-
422	Public warehousing.....	-	40.2	39.6	41.3	39.0	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	41.0	41.0	41.2	41.3	-	-	-	-	-
48	COMMUNICATION.....	-	38.6	39.6	39.8	39.0	-	-	-	-	-
481	Telephone communication.....	-	38.6	39.7	39.9	39.1	-	-	-	-	-
4817	Switchboard operating employees ³	-	33.4	34.8	36.9	34.9	-	-	-	-	-
4818	Line construction employees ⁴	-	44.5	46.3	44.6	44.0	-	-	-	-	-
482	Telegraph communication ⁵	-	(*)	41.5	41.3	41.9	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.2	38.2	38.5	38.1	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

90

**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				
		Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	\$188.83	\$190.11	\$178.48	\$176.39	-	\$4.55	\$4.57	\$4.28	\$4.23
491	Electric companies and systems	-	192.19	196.61	181.40	179.74	-	4.62	4.67	4.35	4.30
492	Gas companies and systems	-	173.46	168.90	162.31	161.87	-	4.20	4.16	3.93	3.91
493	Combination companies and systems	-	206.50	209.16	195.25	191.82	-	5.00	5.04	4.66	4.60
494-7	Water, steam, & sanitary systems	-	159.89	162.21	152.10	150.84	-	3.78	3.79	3.63	3.60
-	WHOLESALE AND RETAIL TRADE.....	\$101.50	101.50	102.08	96.67	96.60	\$2.90	2.90	2.90	2.77	2.76
50	WHOLESALE TRADE	148.80	148.03	147.68	139.74	139.25	3.72	3.71	3.72	3.52	3.49
501	Motor vehicles & automotive equipment	-	135.83	137.36	128.88	129.44	-	3.43	3.46	3.23	3.22
502	Drugs, chemicals, and allied products	-	149.77	149.77	141.31	142.74	-	3.88	3.86	3.68	3.66
503	Dry goods and apparel	-	135.78	136.51	130.55	127.97	-	3.65	3.65	3.50	3.44
504	Groceries and related products	-	140.70	141.29	131.41	131.86	-	3.50	3.55	3.31	3.28
506	Electrical goods	-	150.51	149.74	142.49	140.22	-	3.68	3.67	3.45	3.42
507	Hardware; plumbing & heating equipment	-	143.24	144.00	132.26	134.46	-	3.59	3.60	3.34	3.37
508	Machinery, equipment, and supplies	-	164.83	162.80	156.31	154.25	-	4.03	4.00	3.85	3.79
509	Miscellaneous wholesalers	-	148.95	148.96	140.73	139.55	-	3.79	3.80	3.59	3.56
52-59	RETAIL TRADE.....	86.77	87.10	87.62	83.17	83.08	2.59	2.60	2.60	2.49	2.48
53	Retail general merchandise	-	79.61	80.50	76.88	77.20	-	2.48	2.50	2.41	2.42
531	Department stores	-	83.42	84.91	79.82	80.13	-	2.64	2.67	2.55	2.56
532	Mail order houses	-	97.57	101.63	95.25	94.74	-	2.63	2.71	2.50	2.54
533	Variety stores	-	59.80	60.50	58.78	58.48	-	1.98	1.99	1.94	1.93
54	Food stores	-	93.49	96.50	89.88	88.32	-	2.94	2.96	2.80	2.76
541-3	Grocery, meat, and vegetable stores	-	96.30	99.03	91.73	90.16	-	3.00	3.01	2.84	2.80
56	Apparel and accessory stores	-	75.76	76.00	72.68	72.91	-	2.39	2.39	2.30	2.30
561	Men's & boys' clothing & furnishings	-	91.79	90.51	88.05	88.70	-	2.74	2.71	2.66	2.64
562	Women's ready-to-wear stores	-	68.02	67.71	65.06	65.06	-	2.23	2.22	2.14	2.14
565	Family clothing stores	-	73.25	74.58	70.02	69.76	-	2.18	2.20	2.09	2.07
566	Shoe stores	-	76.32	76.63	73.71	73.61	-	2.47	2.48	2.37	2.39
57	Furniture and home furnishings stores	-	116.00	116.00	110.70	110.63	-	3.11	3.11	3.00	2.99
571	Furniture and home furnishings	-	115.13	115.32	110.63	109.96	-	3.07	3.10	2.99	2.98
58	Eating and drinking places ⁶	-	60.39	61.18	58.33	58.21	-	1.98	1.98	1.90	1.89
52,55,59	Other retail trade	-	108.95	108.86	101.83	102.75	-	2.89	2.88	2.73	2.74
52	Building materials and farm equipment	-	122.72	122.11	113.47	114.05	-	3.03	3.03	2.88	2.88
551,2	Motor vehicle dealers	-	144.54	142.26	131.38	133.98	-	3.56	3.53	3.26	3.30
553,9	Other automotive & accessory dealers	-	122.07	124.44	113.30	113.16	-	2.97	2.97	2.75	2.74
591	Drug stores and proprietary stores	-	78.68	79.11	74.57	74.97	-	2.49	2.48	2.39	2.38
594	Book and stationery stores	-	90.09	91.39	86.20	86.32	-	2.73	2.72	2.62	2.60
598	Fuel and ice dealers	-	130.64	125.63	129.60	125.45	-	3.42	3.35	3.24	3.16
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	122.06	122.80	121.77	115.92	115.18	3.29	3.31	3.30	3.15	3.13
60	Banking	-	107.96	107.75	104.71	103.86	-	2.91	2.92	2.83	2.83
61	Credit agencies other than banks	-	113.70	112.64	107.63	106.13	-	3.00	2.98	2.87	2.83
612	Savings and loan associations	-	112.27	111.30	103.86	102.95	-	3.01	3.00	2.83	2.79
62	Security, commodity brokers & services	-	204.24	200.93	176.01	172.89	-	5.55	5.46	4.77	4.66
63	Insurance carriers	-	128.02	127.33	123.98	123.25	-	3.46	3.46	3.36	3.34
631	Life insurance	-	129.58	128.87	125.93	125.56	-	3.56	3.56	3.45	3.44
632	Accident and health insurance	-	120.62	120.70	115.97	114.25	-	3.26	3.28	3.16	3.13
633	Fire, marine, and casualty insurance	-	128.25	128.28	124.13	123.42	-	3.42	3.43	3.31	3.30
-	SERVICES	103.63	103.32	103.66	99.18	98.50	3.03	3.03	3.04	2.90	2.88
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	-	73.68	72.46	69.77	69.14	-	2.18	2.15	2.04	2.01
	Personal Services:										
721	Laundries and dry cleaning plants	-	82.60	82.60	78.37	78.90	-	2.34	2.34	2.22	2.21
722	Photographic studios	-	95.05	96.17	95.26	91.51	-	2.59	2.74	2.52	2.46
	Motion pictures:										
781	Motion picture filming & distributing	-	189.50	194.67	191.04	187.07	-	5.04	5.15	4.80	4.76
806	Hospitals	-	102.26	102.86	98.10	97.13	-	2.99	2.99	2.86	2.84

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				
		Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970	Nov. 1971 P	Oct. 1971 P	Sept. 1971	Nov. 1970	Oct. 1970
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	41.5	41.6	41.7	41.7	-	-	-	-	-
491	Electric companies and systems	-	41.6	42.1	41.7	41.8	-	-	-	-	-
492	Gas companies and systems.....	-	41.3	40.6	41.3	41.4	-	-	-	-	-
493	Combination companies and systems ..	-	41.3	41.5	41.9	41.7	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	42.3	42.8	41.9	41.9	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE.....	35.0	35.0	35.2	34.9	35.0	-	-	-	-	-
50	WHOLESALE TRADE	40.0	39.9	39.7	39.7	39.9	-	-	-	-	-
501	Motor vehicles & automotive equipment ..	-	39.6	39.7	39.9	40.2	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	38.6	38.8	38.4	39.0	-	-	-	-	-
503	Dry goods and apparel.....	-	37.2	37.4	37.3	37.2	-	-	-	-	-
504	Groceries and related products	-	40.2	39.8	39.7	40.2	-	-	-	-	-
506	Electrical goods.....	-	40.9	40.8	41.3	41.0	-	-	-	-	-
507	Hardware; plumbing & heating equipment ..	-	39.9	40.0	39.6	39.9	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	40.9	40.7	40.6	40.7	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.3	39.2	39.2	39.2	-	-	-	-	-
52-59	RETAIL TRADE.....	33.5	33.5	33.7	33.4	33.5	-	-	-	-	-
53	Retail general merchandise	-	32.1	32.2	31.9	31.9	-	-	-	-	-
531	Department stores	-	31.6	31.8	31.3	31.3	-	-	-	-	-
532	Mail order houses	-	37.1	37.5	38.1	37.3	-	-	-	-	-
533	Variety stores	-	30.2	30.4	30.3	30.3	-	-	-	-	-
54	Food stores.....	-	31.8	32.6	32.1	32.0	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores ..	-	32.1	32.9	32.3	32.2	-	-	-	-	-
56	Apparel and accessory stores	-	31.7	31.8	31.6	31.7	-	-	-	-	-
561	Men's & boys' clothing & furnishings ..	-	33.5	33.4	33.1	33.6	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.5	30.5	30.4	30.4	-	-	-	-	-
565	Family clothing stores	-	33.6	33.9	33.5	33.7	-	-	-	-	-
566	Shoe stores.....	-	30.9	30.9	31.1	30.8	-	-	-	-	-
57	Furniture and home furnishings stores ..	-	37.3	37.3	36.9	37.0	-	-	-	-	-
571	Furniture and home furnishings.....	-	37.5	37.2	37.0	36.9	-	-	-	-	-
58	Eating and drinking places ⁶	-	30.5	30.9	30.7	30.8	-	-	-	-	-
52,55,59	Other retail trade	-	37.7	37.8	37.3	37.5	-	-	-	-	-
52	Building materials and farm equipment ..	-	40.5	40.3	39.4	39.6	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	40.6	40.3	40.3	40.6	-	-	-	-	-
553,9	Other automotive & accessory dealers.....	-	41.1	41.9	41.2	41.3	-	-	-	-	-
591	Drug stores and proprietary stores	-	31.6	31.9	31.2	31.5	-	-	-	-	-
594	Book and stationery stores	-	33.0	33.6	32.9	33.2	-	-	-	-	-
598	Fuel and ice dealers.....	-	38.2	37.5	40.0	39.7	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	37.1	37.1	36.9	36.8	36.8	-	-	-	-	-
60	Banking.....	-	37.1	36.9	37.0	36.7	-	-	-	-	-
61	Credit agencies other than banks	-	37.9	37.8	37.5	37.5	-	-	-	-	-
612	Savings and loan associations	-	37.3	37.1	36.7	36.9	-	-	-	-	-
62	Security, commodity brokers & services.....	-	36.8	36.8	36.9	37.1	-	-	-	-	-
63	Insurance carriers	-	37.0	36.8	36.9	36.9	-	-	-	-	-
631	Life insurance.....	-	36.4	36.2	36.5	36.5	-	-	-	-	-
632	Accident and health insurance	-	37.0	36.8	36.7	36.5	-	-	-	-	-
633	Fire, marine, and casualty insurance ..	-	37.5	37.4	37.5	37.4	-	-	-	-	-
-	SERVICES	34.2	34.1	34.1	34.2	34.2	-	-	-	-	-
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶ ...	-	33.8	33.7	34.2	34.4	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	35.3	35.3	35.3	35.7	-	-	-	-	-
722	Photographic studios	-	36.7	35.1	37.8	37.2	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing ..	-	37.6	37.8	39.8	39.3	-	-	-	-	-
806	Hospitals	-	34.2	34.4	34.3	34.2	-	-	-	-	-

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

² Beginning January 1965, data relate to 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 1968, such employees made up 32 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 craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1968, such employees made up 32 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 salesmen excluded from all series in this division.

* Not available.

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

(Employment in thousands—includes both supervisory and nonsupervisory employees)

Item	1971						1970						
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
EXECUTIVE BRANCH													
Total employment	2,626.9	2,649.8	2,647.6	2,634.5	2,620.7	2,622.9	2,610.8	2,608.4	2,602.2	2,656.6	2,611.1	2,606.6	2,611.9
Average weekly hours	39.5	39.4	39.6	39.2	39.2	39.2	39.3	39.5	39.3	42.9	39.7	39.6	39.4
Average overtime hours . . . . .	.9	.8	.8	.8	.9	.8	.8	.8	.9	3.8	.9	1.0	.9
Indexes (1967=100):													
Average weekly earnings	141.2	139.2	137.2	138.8	139.6	139.0	139.5	139.8	138.8	149.5	134.8	133.1	131.9
Average hourly earnings	140.8	139.2	136.5	139.5	140.3	139.7	139.1	139.5	139.2	137.3	133.8	132.4	131.9
DEPARTMENT OF DEFENSE													
Total employment	998.1	1,001.4	1,001.4	999.7	999.7	1,001.5	1,000.5	998.9	999.9	1,003.8	1,006.8	1,009.1	1,013.4
Average weekly hours	40.0	39.8	40.5	39.8	39.9	39.8	40.1	40.1	40.0	40.0	40.2	40.2	39.9
Average overtime hours . . . . .	.9	.9	.8	.9	.9	.7	.8	.8	.8	.8	.8	.8	.8
Indexes (1967=100):													
Average weekly earnings	141.2	138.9	139.7	139.9	141.1	140.7	141.3	141.5	140.1	136.8	135.1	132.4	131.4
Average hourly earnings	142.2	140.6	139.0	141.7	142.5	142.5	142.0	142.2	141.1	137.9	135.4	132.7	132.7
POSTAL SERVICE													
Total employment	705.6	713.7	709.8	714.1	715.7	718.2	718.0	718.7	720.6	776.8	725.0	718.0	718.7
Average weekly hours	39.0	38.6	38.9	38.4	38.5	38.5	38.3	39.2	38.8	51.3	39.5	39.1	38.9
Average overtime hours . . . . .	.7	.7	.7	.7	.9	.9	.7	.8	1.1	11.4	1.2	1.5	.9
Indexes (1967=100):													
Average weekly earnings	143.2	141.2	136.4	135.0	135.9	135.6	134.6	137.8	136.1	195.7	136.3	135.6	133.7
Average hourly earnings	141.8	141.2	135.4	135.7	136.3	136.0	135.7	135.7	135.4	147.3	133.2	133.8	132.6
OTHER AGENCIES													
Total employment	923.2	934.7	936.4	920.7	905.3	903.2	892.3	890.8	881.7	876.0	879.3	879.5	879.8
Average weekly hours	39.1	39.4	39.3	39.1	39.1	39.2	39.2	39.2	39.1	39.1	39.2	39.2	39.2
Average overtime hours . . . . .	.9	.9	.8	.9	.9	.8	.8	.8	.8	.8	.9	1.0	1.1
Indexes (1967=100):													
Average weekly earnings	140.4	138.7	137.9	141.4	142.4	141.5	141.5	142.3	141.9	134.4	135.0	133.5	133.0
Average hourly earnings	139.4	136.6	136.1	140.3	141.3	140.1	140.1	140.8	140.8	133.4	133.7	132.2	131.7

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				
	Nov. 1971	Oct. 1971	Sept. 1971	Nov. 1970	Oct. 1970
MANUFACTURING	\$3.47	\$3.46	\$3.46	\$3.27	\$3.25
DURABLE GOODS	3.69	3.69	3.69	3.46	3.44
Ordnance and accessories	-	3.78	3.78	3.64	3.58
Lumber and wood products	-	3.05	3.07	2.93	2.92
Furniture and fixtures	-	2.82	2.84	2.73	2.71
Stone, clay, and glass products	-	3.52	3.53	3.32	3.30
Primary metal industries	-	4.21	4.20	3.87	3.86
Fabricated metal products	-	3.63	3.64	3.43	3.40
Machinery, except electrical	-	3.90	3.90	3.70	3.69
Electrical equipment and supplies	-	3.42	3.42	3.25	3.22
Transportation equipment	-	4.27	4.25	3.88	3.86
Instruments and related products	-	3.46	3.47	3.34	3.32
Miscellaneous manufacturing industries	-	2.87	2.87	2.79	2.76
NONDURABLE GOODS	3.17	3.17	3.18	3.04	3.01
Food and kindred products	-	3.23	3.21	3.09	3.04
Tobacco manufactures	-	2.98	2.94	2.86	2.74
Textile mill products	-	2.46	2.46	2.41	2.40
Apparel and other textile products	-	2.47	2.48	2.39	2.38
Paper and allied products	-	3.54	3.55	3.35	3.33
Printing and publishing	-	(2)	(2)	(2)	(2)
Chemicals and allied products	-	3.85	3.87	3.66	3.64
Petroleum and coal products	-	4.45	4.46	4.13	4.10
Rubber and plastics products, n e c	-	3.31	3.33	3.18	3.12
Leather and leather products	-	2.56	2.55	2.45	2.45

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

²Not 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.

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**
**C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	Oct. 1971 P	Sept. 1971	Oct. 1970	Oct. 1971 P	Sept. 1971	Oct. 1970	Oct. 1971 P	Sept. 1971	Oct. 1970
TOTAL PRIVATE:									
Current dollars	\$ 129.48	\$ 129.13	\$ 121.03	\$ 104.60	\$ 104.33	\$ 97.11	\$ 113.26	\$ 112.98	\$ 105.85
1967 dollars	105.61	105.50	102.48	85.32	85.24	82.23	92.38	92.30	89.63
MINING:									
Current dollars	167.74	174.72	168.56	134.26	139.78	132.87	144.40	150.23	143.93
1967 dollars	136.82	142.75	142.73	109.51	114.20	112.51	117.78	122.74	121.87
CONTRACT CONSTRUCTION:									
Current dollars	225.59	216.23	204.54	179.61	172.41	159.63	192.61	184.88	173.37
1967 dollars	184.00	176.66	173.19	146.50	140.86	135.17	157.10	151.05	146.80
MANUFACTURING:									
Current dollars	144.00	143.28	133.45	115.71	115.16	106.41	124.87	124.30	115.68
1967 dollars	117.46	117.06	113.00	94.38	94.08	90.10	101.85	101.55	97.95
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	175.42	176.66	159.18	140.33	141.31	125.65	150.81	151.85	136.20
1967 dollars	143.08	144.33	134.78	114.46	115.45	106.39	123.01	124.06	115.33
WHOLESALE AND RETAIL TRADE:									
Current dollars	101.50	102.08	96.60	83.62	84.05	78.75	91.41	91.87	86.61
1967 dollars	82.79	83.40	81.80	68.21	68.67	66.68	74.56	75.06	73.34
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	122.80	121.77	115.18	99.49	98.70	92.73	108.00	107.20	101.20
1967 dollars	100.16	99.49	97.53	81.15	80.64	78.52	88.09	87.58	85.69
SERVICES:									
Current dollars	103.32	103.66	98.50	84.97	85.23	80.22	92.85	93.11	88.12
1967 dollars	84.27	84.69	83.40	69.31	69.63	67.93	75.73	76.07	74.61
CONSUMER PRICE INDEX (All items, 1967 = 100).....	122.6	122.4	118.1	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**

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**C-6: Indexes of aggregate weekly man-hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls**

1967 = 100

Industry division and group	Nov. 1971 ^p	Oct. 1971 ^p	Sept. 1971	Nov. 1970	Oct. 1970
	Man-hours				
TOTAL	104.6	104.2	104.3	102.2	102.8
GOODS-PRODUCING	95.5	95.7	95.9	93.0	94.9
MINING	78.6	79.9	99.4	100.8	101.5
CONTRACT CONSTRUCTION	105.6	109.5	105.3	100.4	107.3
MANUFACTURING	94.3	93.8	94.1	91.4	92.4
DURABLE GOODS	90.8	90.0	89.4	86.5	87.9
Ordinance and accessories	52.6	53.3	54.2	64.5	65.3
Lumber and wood products	99.9	101.7	100.7	91.5	93.0
Furniture and fixtures	105.3	103.9	102.0	99.1	99.8
Stone, clay, and glass products	103.9	103.5	103.5	98.7	100.6
Primary metal industries	83.7	82.8	83.4	88.0	89.9
Fabricated metal products	95.5	95.1	94.4	91.5	93.1
Machinery, except electrical	82.3	80.9	81.5	84.6	85.4
Electrical equipment	91.8	90.5	90.2	90.2	92.4
Transportation equipment	90.8	89.9	87.1	69.9	70.5
Instruments and related products	91.3	89.9	89.5	91.2	91.6
Miscellaneous manufacturing	99.5	99.2	97.7	97.2	98.4
NONDURABLE GOODS	99.5	99.3	101.0	98.5	99.1
Food and kindred products	98.6	101.3	109.9	101.2	105.0
Tobacco manufactures	77.4	86.2	93.4	98.1	108.0
Textile mill products	101.5	100.0	98.9	97.3	96.9
Apparel and other textile products	98.8	97.1	95.9	95.2	93.9
Paper and allied products	100.5	99.4	100.3	99.8	99.1
Printing and publishing	98.6	98.5	98.3	100.2	100.1
Chemicals and allied products	97.9	97.2	99.3	99.4	99.8
Petroleum and coal products	100.0	101.3	103.8	101.0	102.2
Rubber and plastics products, nec	114.9	114.6	113.8	104.9	105.7
Leather and leather products	86.1	84.0	82.9	86.1	85.1
SERVICE-PRODUCING	110.9	110.1	110.1	108.6	108.3
TRANSPORTATION AND PUBLIC UTILITIES	104.6	104.4	106.1	105.5	105.5
WHOLESALE AND RETAIL TRADE	108.8	107.6	107.3	106.4	105.6
WHOLESALE TRADE	108.7	108.4	107.2	107.3	107.9
RETAIL TRADE	108.9	107.4	107.4	106.0	104.8
FINANCE, INSURANCE, AND REAL ESTATE	117.7	117.4	116.9	113.1	113.0
SERVICES	114.5	114.0	113.6	111.9	111.9

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

**C-6: Indexes of aggregate weekly man-hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls--Continued**

1967 = 100

Industry division and group	Nov. 1971 ^P	Oct. 1971 ^P	Sept. 1971	Nov. 1970	Oct. 1970
	Payrolls				
TOTAL	135.7	135.6	135.8	125.4	125.9
GOODS-PRODUCING	125.4	126.0	126.1	114.7	116.9
MINING	96.8	98.1	129.4	125.6	124.9
CONTRACT CONSTRUCTION	151.2	156.8	149.9	133.2	142.0
MANUFACTURING	120.0	119.2	119.8	109.5	110.2
DURABLE GOODS	115.6	114.6	113.8	102.9	104.1
Ordnance and accessories	64.5	65.5	66.4	75.6	75.3
Lumber and wood products	134.8	137.6	136.8	118.0	119.5
Furniture and fixtures	132.5	130.6	129.4	119.7	120.1
Stone, clay, and glass products	137.0	136.8	137.5	122.5	123.9
Primary metal industries	109.4	107.8	108.5	104.9	107.4
Fabricated metal products	120.6	120.3	119.7	108.8	110.4
Machinery, except electrical	104.2	102.4	103.4	101.3	102.0
Electrical equipment	116.4	114.8	114.6	108.6	110.6
Transportation equipment	118.0	116.3	111.9	81.6	82.0
Instruments and related products	113.2	112.2	112.2	109.4	109.6
Miscellaneous manufacturing	124.9	125.1	123.3	118.8	119.4
NONDURABLE GOODS	127.3	127.2	130.0	120.7	120.5
Food and kindred products	126.7	129.7	140.8	124.3	127.0
Tobacco manufactures	102.6	115.6	124.8	126.8	134.3
Textile mill products	128.1	125.8	124.2	119.2	117.7
Apparel and other textile products	123.0	120.5	119.4	114.0	111.9
Paper and allied products	130.3	129.2	131.5	122.7	121.1
Printing and publishing	128.3	127.9	128.4	122.9	122.5
Chemicals and allied products	126.4	125.5	129.0	121.3	121.2
Petroleum and coal products	129.1	131.7	135.4	122.5	123.4
Rubber and plastics products, nec	144.2	144.5	144.3	125.6	124.8
Leather and leather products	109.3	107.0	104.9	104.6	102.9
SERVICE-PRODUCING	144.5	143.9	144.1	134.7	133.6
TRANSPORTATION AND PUBLIC UTILITIES	139.1	139.1	142.0	129.1	128.5
WHOLESALE AND RETAIL TRADE	140.5	139.3	138.9	131.3	129.9
WHOLESALE TRADE	140.7	139.8	138.6	131.3	130.9
RETAIL TRADE	140.3	139.1	139.0	131.4	129.3
FINANCE, INSURANCE, AND REAL ESTATE	149.8	150.3	149.4	137.9	136.9
SERVICES	151.7	151.1	150.7	141.7	140.8

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

ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS

**C-7: Average weekly hours of production or nonsupervisory workers¹
on private nonagricultural payrolls, seasonally adjusted**

Industry	1971											1970	
	Nov. p	Oct. p	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
TOTAL PRIVATE	37.2	37.1	36.7	36.9	36.9	37.1	36.9	37.0	37.0	37.0	36.9	37.0	36.9
MINING	42.7	42.6	41.9	42.0	42.2	42.3	42.4	42.2	42.8	42.6	42.9	42.8	42.7
CONTRACT CONSTRUCTION	39.2	37.7	35.7	37.1	37.1	37.2	36.8	37.1	37.8	36.8	37.6	37.7	37.2
MANUFACTURING	40.1	39.8	39.5	39.8	40.0	40.0	40.0	39.8	39.8	39.8	39.8	39.5	39.6
<i>Overtime hours</i>	2.9	3.0	2.8	2.9	3.0	2.9	3.0	2.9	2.9	2.8	2.8	2.7	2.7
DURABLE GOODS	40.7	40.3	39.7	40.0	40.4	40.6	40.5	40.3	40.4	40.3	40.3	40.0	40.0
<i>Overtime hours</i>	2.9	2.8	2.7	2.8	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.6	2.5
Ordnance and accessories	41.5	41.7	41.7	41.9	41.9	41.6	41.5	41.5	41.9	41.4	41.1	40.7	40.4
Lumber and wood products	40.7	40.6	40.1	40.2	40.5	40.4	39.8	40.1	39.9	39.8	39.8	39.7	39.8
Furniture and fixtures	39.9	39.6	39.4	39.9	40.1	39.9	39.9	39.5	39.7	39.6	39.5	39.5	39.3
Stone, clay, and glass products	42.1	41.8	41.4	41.8	41.8	42.0	41.4	41.1	41.7	41.3	41.2	41.3	41.1
Primary metal industries	39.8	40.1	39.5	38.8	40.6	41.0	41.0	41.0	40.8	40.6	40.3	39.9	39.6
Fabricated metal products	40.5	40.2	39.3	40.2	40.7	40.6	40.7	40.1	40.3	40.4	40.4	40.2	40.1
Machinery, except electrical	41.2	40.7	40.5	40.8	40.7	40.7	40.5	40.0	40.2	40.1	40.2	40.3	40.6
Electrical equipment and supplies	40.1	40.0	39.6	40.0	40.1	39.9	39.9	39.8	39.7	39.7	39.7	39.7	39.7
Transportation equipment	41.0	40.5	38.5	39.9	39.5	41.4	41.1	40.6	41.7	41.5	41.3	40.2	40.0
Instruments and related products	40.4	39.8	39.7	39.8	39.8	39.7	40.0	39.7	39.7	39.7	39.8	39.6	39.9
Miscellaneous manufacturing industries	39.2	38.9	38.7	39.2	39.2	38.7	38.9	38.6	38.8	38.4	38.6	38.7	38.5
NONDURABLE GOODS	39.4	39.2	39.1	39.3	39.3	39.3	39.4	39.2	39.1	39.1	39.2	39.0	39.0
<i>Overtime hours</i>	2.9	3.0	3.1	3.1	3.0	3.1	3.0	2.9	2.9	2.9	2.9	2.7	2.8
Food and kindred products	39.9	39.9	40.5	40.5	40.5	40.4	40.5	40.5	40.5	40.7	40.7	40.5	40.4
Tobacco manufactures	35.2	35.5	36.6	37.1	39.6	36.2	38.3	37.5	38.0	36.1	39.1	39.3	38.4
Textile mill products	41.0	40.8	40.4	40.7	40.3	40.8	40.8	40.4	40.3	40.2	40.4	39.7	39.7
Apparel and other textile products	36.3	36.0	35.4	35.7	35.8	35.4	35.5	35.1	35.2	35.0	35.2	35.3	35.3
Paper and allied products	42.3	42.0	41.9	42.4	42.4	42.3	42.1	42.3	41.9	41.8	41.7	41.4	41.7
Printing and publishing	37.8	37.4	37.4	37.5	37.6	37.7	37.7	37.5	37.5	37.4	37.6	37.5	37.5
Chemicals and allied products	41.6	41.4	42.1	41.5	41.4	41.7	41.5	41.7	41.4	41.5	41.5	41.4	41.3
Petroleum and coal products	41.8	42.2	42.9	43.4	42.6	42.3	41.7	41.7	41.9	42.9	42.5	43.3	42.8
Rubber and plastics products, nec	40.4	40.3	40.0	40.1	40.3	40.7	40.4	40.3	40.3	39.9	40.1	39.6	39.5
Leather and leather products	38.1	37.8	37.3	37.6	37.7	37.5	37.8	38.3	37.4	36.9	37.1	37.2	37.1
TRANSPORTATION AND PUBLIC UTILITIES	40.6	40.5	40.6	40.5	38.0	40.7	40.0	40.6	40.6	40.6	39.9	40.3	40.3
WHOLESALE AND RETAIL TRADE	35.3	35.2	35.1	35.1	35.3	35.2	35.1	35.2	35.0	35.1	35.1	35.1	35.2
WHOLESALE TRADE	40.1	39.9	39.7	39.7	39.6	39.9	39.8	39.6	39.7	39.7	39.7	39.8	39.8
RETAIL TRADE	33.8	33.8	33.6	33.6	33.8	33.7	33.7	33.7	33.5	33.6	33.6	33.7	33.7
FINANCE, INSURANCE, AND REAL ESTATE	37.0	37.0	37.0	37.3	37.1	37.0	37.0	36.9	36.9	36.8	36.7	36.7	36.7
SERVICES	34.3	34.2	34.2	34.3	34.4	34.1	34.1	34.1	34.0	34.2	34.2	34.3	34.3

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

ESTABLISHMENT DATA
SEASONALLY ADJUSTED
**C-8: Indexes of aggregate weekly man-hours of production or nonsupervisory workers¹
on private nonagricultural payrolls, seasonally adjusted**

Industry division and group	1967 = 100												
	1971											1970	
	Nov. p	Oct. p	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
TOTAL	103.9	103.2	102.7	102.6	102.4	103.1	103.1	102.7	102.5	102.3	102.5	102.4	101.6
GOODS-PRODUCING	94.6	93.3	92.4	92.5	93.2	94.1	94.4	93.7	93.7	93.1	94.2	94.1	92.1
MINING	78.8	79.3	97.7	96.7	94.4	99.0	100.1	99.7	100.9	100.4	101.7	101.3	101.1
CONTRACT CONSTRUCTION	105.2	101.0	94.4	97.1	97.4	98.5	98.3	99.3	100.3	95.1	100.3	101.5	99.9
MANUFACTURING	93.2	92.4	91.9	91.6	92.4	93.1	93.5	92.5	92.4	92.5	92.9	92.6	90.4
DURABLE GOODS	89.8	89.0	87.8	87.7	89.0	90.0	90.2	88.9	88.9	89.3	89.6	89.3	85.7
Ordnance and accessories	52.0	53.4	53.9	54.2	53.6	54.4	56.0	55.4	57.1	58.1	61.1	62.2	63.4
Lumber and wood products	100.8	100.0	97.8	96.9	97.0	95.8	93.6	93.8	93.1	92.7	92.1	91.3	92.5
Furniture and fixtures	102.8	100.7	99.7	98.9	100.7	99.6	98.9	97.1	97.0	96.5	96.6	96.6	96.8
Stone, clay, and glass products	103.4	101.5	99.9	99.9	99.7	100.8	99.9	98.4	98.7	98.1	98.3	98.7	98.0
Primary metal industries	85.1	85.6	84.0	80.3	90.0	93.8	95.3	94.9	93.9	93.0	92.3	90.9	89.5
Fabricated metal products	93.9	93.9	92.2	93.4	94.6	94.1	95.0	93.0	90.4	93.0	93.1	93.0	90.0
Machinery, except electrical	83.5	81.8	81.7	81.2	80.8	80.5	80.6	79.8	80.9	81.4	82.7	84.2	85.6
Electrical equipment	90.0	89.6	88.3	87.9	88.2	88.5	88.9	88.2	87.6	87.9	88.4	89.1	88.4
Transportation equipment	88.1	86.7	84.9	87.8	86.6	90.9	90.8	87.7	90.1	90.5	90.6	87.6	67.8
Instruments and related products	90.4	89.4	88.8	87.7	88.0	87.5	87.8	86.5	86.5	87.5	89.1	89.0	90.3
Miscellaneous manufacturing	93.1	92.1	92.5	93.4	93.4	92.2	92.7	91.7	91.9	91.5	92.0	92.5	90.9
NONDURABLE GOODS	98.2	97.3	97.7	97.3	97.4	97.7	98.3	97.8	97.4	97.3	97.7	97.3	97.3
Food and kindred products	96.3	94.8	98.8	98.3	99.1	98.0	98.8	98.5	98.8	99.4	99.5	99.0	98.7
Tobacco manufactures	70.4	69.8	74.5	73.0	77.9	81.4	87.4	86.9	85.4	83.7	89.3	91.1	90.3
Textile mill products	100.2	99.2	97.9	98.5	97.5	98.4	99.2	97.6	97.3	97.3	98.2	96.2	96.1
Apparel and other textile products	97.9	96.4	94.5	94.6	94.7	94.4	95.9	94.7	94.6	93.4	93.8	94.5	94.2
Paper and allied products	99.7	99.0	99.2	97.9	97.0	97.7	97.0	99.0	97.9	98.2	98.3	97.8	99.1
Printing and publishing	98.0	97.8	97.4	97.2	97.9	99.1	99.1	98.4	98.7	98.9	99.5	99.7	99.6
Chemicals and allied products	98.0	97.6	99.5	97.3	97.9	99.1	99.1	98.9	98.1	98.8	99.1	98.9	99.3
Petroleum and coal products	99.1	100.1	101.7	102.0	100.2	99.5	98.9	98.9	99.4	103.5	100.8	102.7	100.6
Rubber and plastics products, nec	113.1	112.9	111.5	109.1	110.4	111.3	110.2	108.7	108.0	105.2	105.2	103.7	103.4
Leather and leather products	85.1	84.8	84.0	85.6	84.2	85.7	86.8	87.6	84.5	83.7	84.5	84.4	85.2
SERVICE-PRODUCING	110.3	110.1	109.8	109.6	108.7	109.4	109.1	109.0	108.6	108.7	108.3	108.1	108.2
TRANSPORTATION AND PUBLIC UTILITIES	103.7	103.4	104.2	103.3	97.6	105.5	104.1	105.4	105.7	105.8	103.6	103.0	104.5
WHOLESALE AND RETAIL TRADE	107.7	107.9	107.3	107.0	107.0	106.8	106.9	106.4	105.8	105.8	105.7	105.5	105.3
WHOLESALE TRADE	108.0	107.7	106.8	106.4	105.7	106.6	107.4	106.5	106.8	106.4	106.5	106.8	106.6
RETAIL TRADE	107.6	108.0	107.5	107.2	107.4	106.8	106.8	106.4	105.5	105.6	105.4	105.0	104.7
FINANCE, INSURANCE, AND REAL ESTATE	117.8	117.3	117.0	117.1	116.7	116.7	116.1	115.1	114.6	114.2	113.7	113.4	113.2
SERVICES	114.8	114.1	113.7	113.8	114.0	112.7	112.4	112.3	111.8	112.4	112.3	112.5	112.3

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

C-9: Man-hours of wage and salary workers¹ in nonagricultural establishments

Industry division	Annual rate, millions of man-hours ²			Percent change ³		
	November 1971 p	October 1971 p	September	October 1971 to November 1971	September 1971 to October 1971	November 1970 to November 1971
TOTAL - ALL INDUSTRIES	138,993	138,121	137,640	7.8	4.3	1.9
TOTAL - PRIVATE	112,665	111,911	111,503	8.4	4.5	2.0
MINING	1,144	1,150	1,342	- 6.1	- 84.3	- 17.3
CONTRACT CONSTRUCTION	6,729	6,448	6,033	66.8	122.2	6.0
MANUFACTURING	38,581	38,289	38,211	9.5	2.5	1.4
TRANSPORTATION AND PUBLIC UTILITIES	9,384	9,355	9,416	3.8	- 7.5	- 0.4
WHOLESALE AND RETAIL TRADE	27,921	27,939	27,876	- 0.8	2.7	2.5
FINANCE, INSURANCE, AND REAL ESTATE	7,415	7,375	7,352	6.7	3.8	4.5
SERVICES	21,491	21,355	21,273	7.9	4.7	2.6
GOVERNMENT	26,328	26,210	26,137	5.5	3.4	1.4

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 22. Output Per Man-Hour Measures, Private Economy.

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

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

SOURCE: Bureau of Labor Statistics, Office of Productivity and Technology.

**C-10: Output per man-hour, hourly compensation, and unit labor costs,
private economy, seasonally adjusted**

(Indexes 1967 = 100)

Year and quarter	Output		Man-hours		Output per man-hour		Compensation per man-hour ¹		Real compensation per man-hour ²		Unit labor costs		Unit nonlabor payments ³		Implicit price deflator	
	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm	Private	Private nonfarm
1968: 1st quarter	102.6	102.8	100.8	100.9	101.8	101.9	104.4	104.6	102.0	102.2	102.5	102.6	101.5	101.3	102.1	102.1
2d quarter	104.6	104.9	101.8	102.0	102.7	102.9	106.3	106.1	102.7	102.5	103.5	103.1	102.5	102.7	103.1	103.0
3d quarter	105.6	105.9	102.2	102.7	103.3	103.2	108.6	108.0	103.6	103.1	105.1	104.7	102.2	102.6	104.0	103.9
4th quarter	106.3	106.6	102.5	103.0	103.7	103.5	110.9	110.3	104.6	104.1	106.9	106.6	102.2	102.4	105.1	105.0
Annual average	104.8	105.1	101.8	102.1	102.9	102.9	107.6	107.3	103.2	102.9	104.6	104.3	102.0	102.3	103.6	103.5
1969: 1st quarter	107.1	107.2	103.4	104.0	103.6	103.1	112.6	111.9	104.9	104.3	108.7	108.6	102.5	102.4	106.3	106.3
2d quarter	107.5	107.9	104.2	104.9	103.1	102.8	114.4	113.7	104.8	104.2	110.9	110.6	102.6	102.2	107.7	107.4
3d quarter	108.0	108.3	104.5	105.4	103.4	102.7	116.6	115.5	105.4	104.4	112.8	112.5	102.9	102.8	109.0	108.8
4th quarter	107.6	107.8	104.0	105.2	103.4	102.4	118.9	117.5	105.9	104.7	115.0	114.7	102.6	102.2	110.2	110.0
Annual average	107.5	107.8	104.0	104.9	103.4	102.7	115.6	114.7	105.3	104.5	111.9	111.6	102.6	102.3	108.3	108.1
1970: 1st quarter	106.7	107.1	103.7	104.9	103.0	102.1	121.1	119.7	106.3	105.0	117.7	117.2	102.1	101.3	111.6	111.2
2d quarter	106.9	107.2	103.1	104.0	103.7	103.1	122.5	121.5	105.9	105.0	118.1	117.8	104.4	104.0	112.8	112.6
3d quarter	107.3	107.7	102.0	103.1	105.3	104.6	125.3	124.1	107.1	106.0	119.0	118.7	106.4	106.6	114.1	114.1
4th quarter	106.1	106.2	100.8	102.0	105.3	104.1	127.2	125.7	107.2	106.0	120.7	120.7	108.1	108.8	115.9	116.2
Annual average	106.8	107.1	102.4	103.5	104.3	103.5	124.0	122.7	106.6	105.5	118.9	118.6	105.3	105.2	113.6	113.5
1971: 1st quarter	108.3	108.5	101.3	102.5	106.9	105.8	129.9	128.5	108.7	107.5	121.5	121.4	110.3	110.7	117.1	117.4
2d quarter	109.7	109.9	101.7	102.8	107.8	107.0	132.2	131.0	109.5	108.4	122.6	122.4	111.5	112.0	118.3	118.5
3d quarter	110.8	110.7	101.5	102.7	109.2	107.9	134.3	132.7	110.0	108.7	123.0	123.0	113.4	113.7	119.2	119.5
Percent change over previous quarter at annual rate ⁴																
1968: 1st quarter	5.6	6.1	0.9	1.4	4.6	4.7	9.3	9.9	4.9	5.5	4.5	4.9	1.5	0.5	3.3	3.3
2d quarter	7.7	8.6	3.9	4.3	3.7	4.1	7.6	6.2	2.7	1.3	3.8	2.0	3.7	5.7	3.7	3.4
3d quarter	4.2	3.8	1.9	2.7	2.2	1.0	8.9	7.4	3.6	2.2	6.6	6.3	-1.1	-0.4	3.6	3.7
4th quarter	2.7	2.4	1.1	1.2	1.5	1.3	8.8	8.8	3.9	4.0	7.1	7.5	0.2	-0.9	4.4	4.3
1969: 1st quarter	3.0	2.5	3.4	4.2	-0.4	-1.7	6.4	5.8	-1.4	-0.8	6.8	7.7	1.0	0.0	4.6	4.7
2d quarter	1.4	2.4	3.3	3.6	-1.8	-1.1	6.5	6.4	-0.4	-0.5	8.4	7.6	0.4	-0.9	5.4	4.4
3d quarter	1.8	1.6	0.9	1.9	0.9	-0.3	7.9	6.7	2.0	0.9	7.0	7.1	1.3	2.4	4.8	5.3
4th quarter	-1.5	-1.7	-1.6	-0.7	0.1	-1.0	8.0	7.1	2.2	1.3	7.8	8.2	-1.1	-2.3	4.5	4.4
1970: 1st quarter	-3.0	-2.7	-1.4	-1.2	-1.6	-1.5	7.9	7.5	-1.5	-1.1	9.7	9.1	-1.9	-3.4	5.4	4.5
2d quarter	0.8	0.6	-2.2	-3.6	3.1	4.3	4.7	6.3	-1.7	-0.2	1.6	1.9	9.0	11.2	4.2	5.1
3d quarter	1.5	2.0	-4.3	-3.5	6.1	5.6	9.4	8.7	4.6	4.0	3.1	2.9	8.2	10.4	4.9	5.5
4th quarter	-4.4	-5.6	-4.5	-4.0	0.2	-1.6	6.1	5.5	0.7	0.1	6.0	7.2	6.6	8.2	6.2	7.6
1971: 1st quarter	8.6	8.9	2.1	2.1	6.3	6.7	9.0	9.1	5.6	5.7	2.6	2.3	8.0	7.4	4.5	4.1
2d quarter	5.2	5.3	1.7	1.0	3.4	4.3	7.3	7.8	2.8	3.3	3.8	3.4	4.6	4.8	4.1	3.9
3d quarter	4.0	3.0	-1.1	-0.4	5.1	3.4	6.2	5.4	1.8	1.0	1.0	2.0	6.9	6.3	3.1	3.5
Percent change over previous year ⁵																
Year ending -																
1970: 1st quarter	-0.3	-0.1	0.3	0.9	-0.6	-1.0	7.6	6.9	1.3	0.7	8.2	8.0	-0.3	-1.1	5.0	4.7
2d quarter	-0.5	-0.6	-1.1	-0.9	0.6	0.4	7.1	6.9	1.0	0.8	6.5	6.5	1.7	1.8	4.7	4.8
3d quarter	-0.6	-0.5	-2.4	-2.3	1.9	1.8	7.5	7.4	1.6	1.5	5.5	5.5	3.4	3.7	4.7	4.9
4th quarter	-1.3	-1.5	-3.1	-3.1	1.9	1.7	7.0	7.0	1.2	1.2	5.0	5.2	5.4	6.4	5.2	5.7
1971: 1st quarter	1.5	1.3	-2.3	-2.3	3.9	3.7	7.3	7.4	2.3	2.4	3.3	3.6	8.0	9.3	4.9	5.5
2d quarter	2.6	2.5	-1.3	-1.2	4.0	3.7	7.9	7.8	3.4	3.3	3.8	3.9	6.9	7.7	4.9	5.2
3d quarter	3.2	2.8	-0.5	-0.4	3.7	3.2	7.2	6.9	2.7	2.5	3.3	3.7	6.5	6.7	4.5	4.7

¹ Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of wages, salaries, and supplementary payments for the self-employed.

² Compensation per man-hour adjusted for changes in the consumer price index.

³ Nonlabor payments include profits, depreciation, interest, rental income, and indirect taxes.

⁴ Percent change computed from original data.

⁵ Current quarter divided by comparable quarter a year ago.

p= preliminary.

NOTE: Data for 1968, 1969, 1970 and the first two quarters of 1971 have been adjusted to new employment benchmarks and are not comparable to those previously published in Employment and Earnings.

Source: Output data from the Office of Business Economic, U.S. Department of Commerce. Man-hours and compensation of all persons from the Bureau of Labor Statistics. See BLS Handbook of Methods for Surveys and Studies—Chapter 22. Output Per Man-Hour Measures, Private Economy.

EMPLOYEE COMPENSATION DATA SEASONALLY ADJUSTED

C-11: Four-quarter changes in compensation, seasonally adjusted

Measure	Percent change over 4-quarter period ¹ ending in--								
	1971			1970			1969		
	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.
Average hourly compensation:									
All persons, total private economy	7.2	7.9	7.3	7.0	7.5	7.1	7.6	7.2	7.4
All employees, private nonfarm economy	7.0	7.9	7.5	7.0	7.3	6.8	6.9	6.4	6.9
Average hourly earnings, private nonfarm economy²:									
Mining	6.2	6.7	6.3	5.6	6.1	5.9	6.3	6.7	6.7
Contract construction	6.5	6.2	5.9	6.6	6.5	6.7	6.9	7.8	7.6
Manufacturing	8.6	9.4	9.1	9.1	9.8	9.1	10.5	10.0	9.2
Transportation and public utilities	5.6	6.4	6.4	4.4	5.6	5.6	5.6	6.0	6.4
Wholesale and retail trade	9.4	8.7	8.9	6.7	6.1	5.5	5.7	6.1	6.3
Finance, insurance, and real estate	5.7	6.2	5.9	5.5	6.2	6.3	6.7	6.8	6.3
Services	7.2	7.8	6.1	5.5	5.2	4.6	5.1	5.3	5.4
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	5.9	7.2	7.7	8.0	8.0	7.1	7.3	6.8	6.9
Mining	6.8	7.4	7.3	6.6	6.9	6.5	6.6	6.7	6.6
Contract construction	6.4	5.7	5.0	5.6	5.8	5.9	6.5	7.2	7.9
Manufacturing	8.4	9.3	9.1	9.1	9.9	9.1	10.2	9.9	9.2
Transportation and public utilities	6.4	6.9	7.1	6.3	6.6	6.4	6.0	6.0	6.2
Wholesale and retail trade	9.1	9.1	9.0	6.6	6.2	5.5	5.9	5.9	6.2
Finance, insurance, and real estate	6.1	6.5	5.9	5.6	6.1	6.1	6.5	6.8	6.4
Services	6.9	7.6	6.4	6.2	6.3	5.8	5.7	5.9	5.4
Average hourly earnings, all Federal executive branch employees ³	6.3	7.7	7.8	7.7	7.6	6.6	6.9	6.9	6.6
Average union scales, 7 building trades:									
Wages and selected benefits	7.2	8.6	13.9	10.5	10.4	14.8	9.8	9.6	10.4
Hourly wage rates	11.7	12.1	13.5	12.9	12.8	12.9	10.3	10.7	9.5
Hourly wage rates	10.9	11.3	12.3	11.8	11.7	11.9	9.2	9.5	8.6
Wage rates, hired farm labor	5.9	4.8	5.5	5.6	6.3	5.1	5.2	6.6	6.7
Average weekly earnings, private nonfarm economy:²									
Current dollars	5.7	6.2	5.2	3.8	4.4	4.3	5.5	6.3	6.1
1967 dollars	1.3	1.7	.3	-1.8	-1.2	-1.7	-.7	.5	.5
Real spendable earnings (worker and 3 dependents, 1967 dollars)	1.4	1.8	.5	-1.3	-.8	-1.3	-.6	-.8	-.8

¹ Current quarter divided by comparable quarter a year earlier.² Production and nonsupervisory workers.³ Computed from data that are not seasonally adjusted.

NOTE: See technical description at end of table C-15.

C-12: Quarter-to-quarter changes in compensation, seasonally adjusted

Measure	Percent change over previous quarter at annual rate								
	1971			1970			1969		
	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.
Average hourly compensation:									
All persons, total private economy	6.2	7.3	9.0	6.1	9.4	4.7	7.9	8.0	7.9
All employees, private nonfarm economy	5.4	7.6	9.2	5.9	8.9	6.3	7.2	6.9	6.8
Average hourly earnings, private nonfarm economy¹:									
Mining	5.2	6.9	7.5	5.0	7.3	5.6	4.3	7.1	6.3
Contract construction	7.1	6.5	4.5	7.8	6.1	5.4	7.0	7.6	6.9
Manufacturing	8.3	9.5	8.6	8.0	11.6	8.1	8.6	10.9	8.7
Transportation and public utilities	4.2	5.8	11.8	.8	7.4	5.8	3.7	5.5	7.4
Wholesale and retail trade	11.8	4.6	13.0	8.5	8.7	5.4	4.4	6.0	6.0
Finance, insurance, and real estate	5.2	6.3	6.4	5.0	7.1	5.1	4.6	8.0	7.6
Services	4.6	9.5	7.9	7.1	6.8	2.7	5.5	6.0	4.2
Average hourly earnings, private nonfarm economy, ¹ adjusted for overtime (in manufacturing only) and interindustry employment shifts	2.7	5.6	7.1	8.2	7.9	7.5	8.2	8.4	4.2
Mining	6.0	7.0	8.3	5.9	8.3	6.6	5.7	7.1	6.5
Contract construction	7.9	7.0	4.7	5.9	5.1	4.4	6.7	6.8	5.6
Manufacturing	8.1	9.6	8.3	7.6	11.8	8.8	8.1	10.9	8.6
Transportation and public utilities	5.9	6.3	8.9	4.7	7.6	7.2	5.5	6.0	6.9
Wholesale and retail trade	9.4	6.4	14.0	6.6	9.4	6.0	4.7	4.9	6.4
Finance, insurance, and real estate	5.7	7.3	6.6	5.0	7.0	4.9	5.4	7.3	6.7
Services	3.8	9.5	7.2	7.0	6.8	4.8	6.3	7.5	4.5
Average hourly earnings, all Federal executive branch employees ²	2.5	6.3	7.4	9.1	8.0	6.7	7.0	8.8	4.1
Average hourly earnings, all Federal executive branch employees ²	-2.9	1.6	3.5	3.8	2.6	5.3	1.7	3.7	4.7
Average union scales, 7 building trades:									
Wages and selected benefits	7.8	18.5	8.7	12.2	9.5	24.6	6.4	11.6	10.0
Hourly wage rates	7.0	17.9	9.0	10.2	8.4	22.1	6.9	10.0	9.1
Hourly wage rates	17.2	2.3	2.4	2.4	12.7	5.0	2.5	5.1	7.9
Average weekly earnings, private nonfarm economy:¹									
Current dollars	3.9	7.5	8.3	3.1	6.1	3.5	2.7	5.6	5.5
1967 dollars .....	.1	2.8	4.8	-2.6	2.0	-2.8	-3.6	-3	.2
Real spendable earnings (worker and 3 dependents, 1967 dollars)	-.3	3.1	5.6	-2.7	1.4	-2.2	-1.5	-.9	-.5

¹ Production and nonsupervisory workers.² Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is affected by a general salary adjustment.

NOTE: See technical description at end of table C-15.

**EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED**

C-13: Twelve-month changes in compensation, seasonally adjusted

Measure	Percent change at annual rate over 12-month period ¹ ending in--												
	1971											1970	
	Nov. ^P	Oct. ^P	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Average hourly earnings, private nonfarm economy ²	5.5	6.4	6.1	6.1	6.2	6.5	6.9	6.6	6.3	6.3	6.4	5.8	5.4
Mining	-1.3	- .3	6.7	6.7	6.0	5.7	6.3	6.6	5.8	6.1	5.9	6.7	6.8
Contract construction	7.7	8.2	9.0	8.0	8.7	9.4	10.3	8.5	9.0	9.5	8.7	8.4	9.5
Manufacturing	6.2	6.8	5.3	5.6	5.9	6.3	6.3	6.6	6.3	6.7	6.1	5.5	4.0
Transportation and public utilities	8.6	9.4	10.0	9.0	9.3	8.1	8.7	9.3	9.0	9.1	8.6	7.5	6.2
Wholesale and retail trade	4.7	5.1	5.5	5.8	5.9	6.3	6.3	6.0	6.0	5.6	6.1	5.3	5.3
Finance, insurance, and real estate	4.8	6.1	6.8	7.4	7.5	7.9	8.2	7.3	6.3	6.3	5.7	5.4	5.4
Services	4.5	5.2	5.2	6.0	6.4	6.8	7.6	7.2	7.3	7.7	8.1	8.2	7.8
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	5.8	6.5	6.6	6.8	7.0	7.2	7.6	7.4	7.1	7.4	7.3	6.8	6.5
Mining	2.3	2.7	6.7	6.7	5.7	5.6	5.9	5.6	4.9	5.2	5.1	5.8	5.5
Contract construction	7.8	8.2	8.6	8.0	8.6	9.1	10.0	8.9	9.0	9.4	8.9	8.3	9.3
Manufacturing	5.8	6.4	6.1	6.5	6.6	6.8	6.8	7.1	7.0	7.2	7.1	6.9	6.0
Transportation and public utilities	8.7	9.3	9.8	8.9	8.5	8.4	9.1	9.6	9.1	9.3	8.5	6.8	6.4
Wholesale and retail trade	5.0	5.6	5.8	6.0	6.5	6.6	6.6	6.2	5.7	5.7	6.1	5.4	5.5
Finance, insurance, and real estate	4.3	5.6	6.4	7.0	7.1	7.4	8.2	7.2	6.5	6.6	6.2	6.2	6.0
Services	4.6	5.4	5.5	6.6	6.8	7.3	8.3	7.5	7.2	7.8	8.4	8.0	7.5
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	6.7	7.5	7.2	8.2	8.2	9.5	13.8	14.2	13.7	11.4	10.0
Average weekly earnings, private nonfarm economy: ²													
Current dollars	6.3	7.0	6.1	5.6	5.3	6.3	6.3	6.1	5.5	5.2	5.0	4.0	3.9
1967 dollars	(*)	3.1	1.8	1.0	.9	1.7	1.8	1.6	.8	.3	-.2	-1.3	-1.8
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	2.8	1.9	1.1	1.1	1.8	1.9	1.7	1.0	.5	(4/)	-.9	-1.2

¹ Current month divided by same month a year earlier.
² Production and nonsupervisory workers.
³ Computed from data that are not seasonally adjusted.
⁴ Less than 0.05 percent.

* Not available.
 p= preliminary.

NOTE: See technical description at end of table C-15.

C-14: Six-month changes in compensation, seasonally adjusted

Measure	Percent change at annual rate over 6-month period ¹ ending in--												
	1971											1970	
	Nov. ^P	Oct. ^P	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Average hourly earnings, private nonfarm economy ²	3.6	5.4	5.4	6.7	6.1	6.8	7.4	7.5	6.9	5.6	6.3	6.3	6.4
Mining	-7.3	-6.8	7.1	7.7	5.6	4.6	5.1	6.8	6.3	5.8	6.3	6.9	7.5
Contract construction	6.5	8.4	9.2	8.9	8.6	10.2	9.0	7.9	8.8	7.2	8.9	8.6	11.6
Manufacturing	2.8	3.4	4.6	4.6	5.8	6.5	9.7	10.3	5.9	6.6	6.0	6.0	3.0
Transportation and public utilities	8.4	8.9	9.0	7.5	8.0	7.6	8.8	9.9	11.1	10.5	10.6	8.5	8.6
Wholesale and retail trade	2.8	4.3	5.0	6.5	5.8	6.6	6.6	5.9	5.9	5.2	6.0	6.0	6.0
Finance, insurance, and real estate	(4/)	4.4	5.7	7.0	8.4	8.4	9.8	7.8	7.9	7.9	6.6	7.4	6.7
Services	2.0	3.4	4.8	4.1	3.4	4.9	7.0	7.1	5.7	7.9	9.5	8.8	8.1
Average hourly earnings, private nonfarm economy, ² adjusted for overtime (in manufacturing only) and interindustry employment shifts	3.4	5.2	6.4	6.8	6.4	7.1	8.3	7.7	6.8	6.9	7.6	7.4	6.9
Mining	-1.5	-.3	8.4	8.4	5.4	5.4	6.1	5.8	5.0	5.0	5.9	5.7	5.6
Contract construction	6.5	8.2	8.9	9.0	8.7	9.6	9.2	8.2	8.4	7.0	8.5	8.6	10.9
Manufacturing	3.4	4.7	5.7	6.3	6.2	6.3	8.3	8.2	6.5	6.8	7.1	7.2	5.3
Transportation and public utilities	6.6	8.7	9.3	7.5	6.9	9.9	10.8	9.9	10.4	10.2	10.1	7.0	7.5
Wholesale and retail trade	2.7	4.6	6.0	7.2	6.2	6.9	7.3	6.6	5.7	4.9	6.7	6.3	5.9
Finance, insurance, and real estate	-.2	3.4	5.5	7.2	7.2	8.2	9.0	7.9	7.4	6.9	7.0	6.7	7.4
Services	1.2	4.0	5.2	4.6	3.4	5.6	8.1	6.9	5.8	8.6	10.3	9.0	8.5
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	2.5	-.4	-3.8	1.6	4.9	5.5	5.5	7.7	9.3	6.5	6.4
Average weekly earnings, private nonfarm economy: ²													
Current dollars	5.2	5.5	4.4	6.6	6.1	7.7	7.4	8.5	7.8	4.6	4.6	4.9	5.2
1967 dollars	(*)	1.4	(4/)	2.2	2.2	3.5	3.2	4.7	3.7	-.2	-.3	(4/)	.5
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	.4	.1	2.1	1.9	4.0	3.9	5.2	3.8	.2	.2	-.4	(4/)

¹ Current month divided by month 6 months earlier.
² Production and nonsupervisory workers.
³ Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is affected by a general salary adjustment.
⁴ Less than 0.05 percent.

* Not available.
 p= preliminary.

NOTE: See technical description at end of table C-15.

C-15: Average hourly or weekly compensation, seasonally adjusted

Measure	1971											1970	
			3d quarter			2d quarter			1st quarter			4th quarter	
	Nov. ^P	Oct. ^P	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Levels													
Average hourly earnings, private nonfarm economy ¹	\$ 3.47	\$ 3.48	\$ 3.46	\$ 3.46	\$ 3.43	\$ 3.42	\$ 3.41	\$ 3.39	\$3.37	\$ 3.35	\$ 3.33	\$ 3.31	\$ 3.29
Mining	3.90	3.90	4.15	4.13	4.07	4.05	4.05	4.04	4.01	3.98	3.96	3.96	3.95
Contract construction	5.85	5.83	5.81	5.78	5.72	5.70	5.67	5.60	5.56	5.54	5.49	5.43	5.43
Manufacturing	3.60	3.60	3.60	3.59	3.58	3.57	3.55	3.54	3.52	3.51	3.48	3.46	3.39
Transportation and public utilities	4.30	4.30	4.29	4.24	4.22	4.15	4.13	4.12	4.11	4.09	4.06	4.00	3.96
Wholesale and retail trade	2.90	2.90	2.90	2.90	2.88	2.87	2.86	2.84	2.83	2.81	2.80	2.78	2.77
Finance, insurance, and real estate	3.29	3.32	3.31	3.32	3.30	3.28	3.29	3.25	3.22	3.21	3.17	3.15	3.14
Services	3.02	3.02	3.02	3.00	2.98	2.98	2.99	2.97	2.95	2.94	2.93	2.91	2.89
Wage rates, hired farm labor (quarterly data)	-	1.80	-	-	1.73	-	-	1.72	-	-	1.71	-	-
Average weekly earnings, private nonfarm economy:¹													
Current dollars	129.13	128.96	127.35	127.88	126.67	126.81	125.87	125.56	124.65	123.85	122.99	122.19	121.43
1967 dollars	(*)	105.19	104.04	104.75	104.21	104.48	103.98	104.45	104.04	103.62	103.07	102.70	102.37
Real spendable earnings (worker and 3 dependents, 1967 dollars)	(*)	91.86	91.30	91.75	91.33	91.59	91.33	91.67	91.25	90.78	90.46	89.81	89.62
Indexes, 1967=100													
Average hourly compensation (quarterly data):													
All persons, total private economy	(*)	-	-	134.3	-	-	132.2	-	-	129.9	-	-	127.2
All employees, private nonfarm economy	(*)	-	-	132.9	-	-	131.1	-	-	128.8	-	-	126.0
Average hourly earnings, private nonfarm economy,¹ adjusted for overtime (in manufacturing only) and interindustry employment shifts													
Mining	131.3	131.4	131.3	130.9	130.0	129.3	129.1	128.1	127.3	126.7	126.0	125.0	124.1
Contract construction	125.4	125.3	129.6	129.2	126.8	126.6	126.4	125.5	124.5	124.1	123.5	123.3	122.6
Manufacturing	141.8	141.4	140.6	140.1	138.8	138.1	137.4	135.9	134.7	134.2	133.1	131.9	131.5
Transportation and public utilities	129.0	129.1	129.1	128.8	128.2	127.5	126.9	126.2	125.5	125.0	124.4	123.7	121.9
Wholesale and retail trade	132.8	132.8	132.6	131.1	129.5	128.6	128.6	127.4	126.9	126.5	125.3	122.7	122.2
Finance, insurance, and real estate	129.6	129.8	129.7	129.7	128.9	128.1	127.9	126.9	126.0	125.3	125.0	123.9	123.5
Services	127.2	127.9	128.1	128.4	127.3	127.1	127.3	125.8	124.7	124.0	122.9	122.2	121.9
Average hourly earnings, all Federal executive branch employees ²	(*)	(*)	140.8	139.2	136.5	139.5	140.3	139.7	139.1	139.5	139.2	137.3	133.8
Average union scales, 7 building trades (quarterly data):													
Wages and selected benefits	-	149.7	-	-	146.9	-	-	140.8	-	-	137.9	-	-
Hourly wage rates	-	144.0	-	-	141.6	-	-	135.9	-	-	133.0	-	-

¹ Production and nonsupervisory workers.

² Not seasonally adjusted.

* Not available.

^P preliminary.

Technical description covering tables C-11 through C-15

Characteristic	Average hourly compensation	Average hourly and weekly earnings	Union scales, building trades	Wage rates, hired farm labor
Reference period and source	Basic time series consists of quarterly averages. Data are developed by BLS from Department of Commerce estimates of compensation and BLS man-hour estimates.	Basic time series consists of averages for payroll period including 12th of month. Monthly data have been summed and divided by 3 to obtain quarterly averages. Private industry data obtained by BLS from a stratified probability sample of establishments. Federal data obtained from the Civil Service Commission. Published by BLS monthly in <i>Employment and Earnings</i> .	Basic time series consists of wage rates and selected benefits as of January 1, April 1, July 1, and October 1. Data obtained by BLS from local union officials and union agreements. Published quarterly in press releases.	Basic time series consists of rates as of week preceding January 1, April 1, July 1, and October 1. Data obtained by Department of Agriculture from a sample survey of farm operators and published quarterly in <i>Farm Labor</i> by USDA.
Type of compensation	Compensation is the total of wages and salaries plus supplements to wages and salaries (according to National Income Accounts definitions) per man-hour paid for.	Basic series consists of regular hourly payroll expenditures before deductions, i.e., straight-time hourly earnings plus premium and incentive pay. Series adjusted for overtime and interindustry employment shifts excludes overtime premiums in manufacturing only. Weekly earnings in 1967 dollars adjust earnings for price changes while spendable earnings adjust for price and Federal income and social security tax changes.	Compensation is, in the case of wage scales, minimum wage rates (excluding premium pay for holiday, vacation, or overtime) agreed upon in collective bargaining. In the case of wages and selected benefits, it is wages, as defined above, plus employer payments to health and welfare, pension, and vacation funds.	Compensation is cash payments to worker, exclusive of perquisites such as room or board.
Type of worker	1. Total private economy: All persons, i.e., all employees and imputed compensation of self employed. 2. Nonfarm economy: All nonfarm employees including government enterprise and private household workers.	1. Private: Production and related workers in mining and manufacturing; construction workers in contract construction; and nonsupervisory workers in all other industries. 2. Federal Executive Branch: All-workers, supervisory and nonsupervisory.	Unionized building trades workers in continental United States cities of 100,000 population or more in the following seven trades: Bricklayers, building laborers, carpenters, electricians, painters, plasterers, and plumbers.	Hired farm workers defined as those working only for wages, for 1 hour or more on farm during survey week.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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**C-16: 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. 1971 ^p	Sept. 1971	Oct. 1970	Oct. 1971 ^p	Sept. 1971	Oct. 1970	Oct. 1971 ^p	Sept. 1971	Oct. 1970
ALABAMA	\$123.32	\$123.62	\$116.58	40.7	40.8	40.2	\$3.03	\$3.03	\$2.90
Birmingham	140.40	144.47	139.19	39.0	39.8	40.7	3.60	3.63	3.42
Mobile	145.85	145.73	138.02	41.2	41.4	41.2	3.54	3.52	3.35
ALASKA	(*)	202.36	207.50	(*)	36.2	39.6	(*)	5.59	5.24
ARIZONA	150.18	152.11	134.13	40.7	41.0	39.8	3.69	3.71	3.37
Phoenix	148.23	153.68	135.09	40.5	41.2	39.5	3.66	3.73	3.42
Tucson	142.06	139.81	133.73	38.5	38.2	39.8	3.69	3.66	3.36
ARKANSAS	107.45	107.46	101.05	40.7	40.4	40.1	2.64	2.66	2.52
Fort Smith	104.34	104.54	98.33	40.6	39.9	40.8	2.57	2.62	2.41
Little Rock-North Little Rock	112.16	112.56	109.08	40.2	40.2	40.7	2.79	2.80	2.68
Pine Bluff	131.14	131.32	132.52	38.8	39.2	40.9	3.38	3.35	3.24
CALIFORNIA	161.19	160.79	151.30	39.8	39.7	39.4	4.05	4.05	3.84
Anaheim-Santa Ana-Garden Grove	158.37	156.79	150.40	40.4	40.1	40.0	3.92	3.91	3.76
Bakersfield	164.40	164.79	150.15	40.0	39.9	39.0	4.11	4.13	3.85
Fresno	144.72	141.73	131.48	40.2	39.7	38.9	3.60	3.57	3.38
Los Angeles-Long Beach	156.00	153.66	146.89	40.0	39.4	39.7	3.90	3.90	3.70
Modesto	139.65	138.55	125.40	38.9	38.7	37.1	3.59	3.58	3.38
Oxnard-Ventura	149.41	142.76	136.58	40.6	38.9	38.8	3.68	3.67	3.52
Sacramento	168.34	174.66	160.29	38.0	41.0	39.0	4.43	4.26	4.11
Salinas-Monterey	142.66	145.27	133.23	39.3	39.8	39.3	3.63	3.65	3.39
San Bernardino-Riverside-Ontario	154.80	155.22	151.98	40.0	39.8	40.1	3.87	3.90	3.79
San Diego	168.73	168.67	164.34	39.7	39.5	39.6	4.25	4.27	4.15
San Francisco-Oakland	183.22	181.74	166.41	38.9	39.0	38.7	4.71	4.66	4.30
San Jose	167.88	170.14	159.94	39.5	40.9	39.2	4.25	4.16	4.08
Santa Barbara	148.98	147.43	138.02	38.2	37.9	39.1	3.90	3.89	3.53
Santa Rosa	152.88	148.99	136.85	39.2	38.4	39.1	3.90	3.88	3.50
Stockton	171.65	169.72	156.81	40.2	41.7	39.3	4.27	4.07	3.99
Vallejo-Napa	155.23	151.70	143.63	39.2	38.7	38.2	3.96	3.92	3.76
COLORADO	154.66	155.90	139.74	40.7	40.6	39.7	3.80	3.84	3.52
Denver	158.75	159.96	148.23	40.6	40.6	40.5	3.91	3.94	3.66
CONNECTICUT	148.96	148.19	140.59	40.7	40.6	40.4	3.66	3.65	3.48
Bridgeport	151.78	151.00	143.06	40.8	40.7	40.3	3.72	3.71	3.55
Hartford	155.09	152.38	149.60	40.6	40.1	41.1	3.82	3.80	3.64
New Britain	153.03	153.78	137.91	40.7	40.9	39.9	3.76	3.76	3.46
New Haven	149.45	146.03	142.31	40.5	39.9	40.2	3.69	3.66	3.54
Stamford	156.75	155.56	157.68	40.4	40.3	42.5	3.88	3.86	3.71
Waterbury	136.08	138.65	133.25	40.5	40.9	41.0	3.36	3.39	3.25
DELAWARE	155.07	156.36	135.60	40.7	40.3	40.0	3.81	3.88	3.39
Wilmington	171.28	174.53	150.84	40.3	40.4	39.8	4.25	4.32	3.79
DISTRICT OF COLUMBIA:									
Washington SMSA	166.69	176.04	149.38	39.5	40.1	38.7	4.22	4.39	3.86
FLORIDA	124.53	126.86	120.42	40.3	40.4	41.1	3.09	3.14	2.93
Fort Lauderdale-Hollywood	126.17	129.58	129.02	37.0	38.0	40.7	3.41	3.41	3.17
Jacksonville	145.39	147.97	124.90	41.9	41.8	39.4	3.47	3.54	3.17
Miami	(*)	116.42	114.34	(*)	37.8	39.7	(*)	3.08	2.88
Orlando	(*)	121.28	118.82	(*)	38.5	41.4	(*)	3.15	2.87
Pensacola	(*)	171.49	139.44	(*)	46.6	40.3	(*)	3.68	3.46
Tampa-St. Petersburg	(*)	139.44	121.71	(*)	41.5	40.3	(*)	3.36	3.02
West Palm Beach	(*)	146.89	146.16	(*)	42.7	47.3	(*)	3.44	3.09
GEORGIA	116.81	116.52	106.00	40.7	40.6	39.7	2.87	2.87	2.67
Atlanta	144.84	141.87	127.16	39.9	39.3	38.3	3.63	3.61	3.32
Savannah	151.79	150.30	139.26	42.4	42.1	41.2	3.58	3.57	3.38

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
**C-16: 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. 1971P	Sept. 1971	Oct. 1970	Oct. 1971P	Sept. 1971	Oct. 1970	Oct. 1971P	Sept. 1971	Oct. 1970
HAWAII	\$143.68	\$137.83	\$135.38	39.8	38.5	39.7	\$3.61	\$3.58	\$3.41
Honolulu	142.56	136.02	136.97	39.6	38.1	39.7	3.60	3.57	3.45
IDAHO	140.73	147.94	126.72	39.2	40.2	38.4	3.59	3.68	3.30
ILLINOIS	160.69	160.06	148.13	40.3	40.2	40.2	3.99	3.98	3.69
Chicago	(*)	160.26	149.86	(*)	39.8	40.2	(*)	4.02	3.73
Davenport-Rock Island-Moline	178.73	179.51	161.14	39.6	39.8	39.1	4.51	4.52	4.12
Peoria	186.41	189.79	166.82	40.7	41.2	40.9	4.57	4.61	4.08
Rockford	161.84	167.13	143.82	41.3	42.0	40.3	3.92	3.98	3.57
INDIANA	(*)	160.40	146.49	(*)	40.0	39.7	(*)	4.01	3.69
Indianapolis	(*)	166.46	151.53	(*)	40.8	40.3	(*)	4.08	3.76
IOWA	(*)	163.22	151.18	(*)	40.4	40.1	(*)	4.04	3.77
Cedar Rapids	(*)	165.24	159.03	(*)	40.9	41.2	(*)	4.04	3.86
Des Moines	(*)	171.50	147.07	(*)	39.7	38.2	(*)	4.32	3.85
Dubuque	(*)	185.97	169.30	(*)	39.4	39.1	(*)	4.72	4.33
Sioux City	(*)	145.35	142.72	(*)	40.6	42.1	(*)	3.58	3.39
Waterloo	(*)	181.19	160.38	(*)	40.9	39.6	(*)	4.43	4.05
KANSAS	149.77	148.88	137.96	41.5	41.4	41.1	3.61	3.60	3.36
Topeka	168.91	173.84	153.89	41.2	42.7	42.4	4.10	4.07	3.63
Wichita	157.75	159.24	154.57	42.1	42.6	43.0	3.74	3.74	3.60
KENTUCKY	(*)	139.08	130.14	(*)	39.4	39.2	(*)	3.53	3.32
Louisville	159.19	163.22	146.94	39.6	40.4	39.5	4.02	4.04	3.72
LOUISIANA	145.59	144.61	140.10	42.2	41.2	42.2	3.45	3.51	3.32
Baton Rouge	176.73	182.30	160.02	41.1	42.2	42.0	4.30	4.32	3.81
New Orleans	145.85	139.98	138.92	41.2	39.1	41.1	3.54	3.58	3.38
Shreveport	138.20	144.57	128.15	41.5	42.9	40.3	3.33	3.37	3.18
MAINE	114.84	116.29	109.85	39.6	40.1	39.8	2.90	2.90	2.76
Lewiston-Auburn	95.98	96.63	88.43	37.2	37.6	35.8	2.58	2.57	2.47
Portland	133.58	130.01	116.42	41.1	40.5	39.2	3.25	3.21	2.97
MARYLAND	144.94	145.67	136.17	39.6	39.8	39.7	3.66	3.66	3.43
Baltimore	151.24	151.64	140.54	39.8	39.8	39.7	3.80	3.81	3.54
MASSACHUSETTS	136.02	136.97	127.05	39.2	39.7	38.5	3.47	3.45	3.30
Boston	148.55	149.33	140.04	39.3	39.4	38.9	3.78	3.79	3.60
Brockton	117.25	118.49	108.04	37.7	38.1	37.0	3.11	3.11	2.92
Fall River	98.83	104.60	95.29	34.8	36.7	34.4	2.84	2.85	2.77
Lawrence-Haverhill	127.87	136.75	116.89	38.4	40.7	38.2	3.33	3.36	3.06
Lowell	115.06	118.26	111.45	38.1	38.9	37.4	3.02	3.04	2.98
New Bedford	110.26	111.30	100.24	37.0	37.6	35.8	2.98	2.96	2.80
Springfield-Chicopee-Holyoke	139.25	138.50	128.76	39.9	39.8	38.9	3.49	3.48	3.31
Worcester	137.92	137.77	127.28	38.1	38.7	37.0	3.62	3.56	3.44
MICHIGAN	191.52	178.33	161.64	41.4	38.7	40.0	4.63	4.61	4.04
Ann Arbor	212.04	195.68	183.10	43.3	40.8	42.8	4.90	4.80	4.28
Battle Creek	177.52	179.99	159.37	40.2	41.0	38.3	4.42	4.39	4.16
Bay City	166.67	168.25	150.75	40.2	40.3	40.7	4.15	4.18	3.70
Detroit	203.01	190.24	177.75	41.6	39.2	40.9	4.88	4.85	4.35
Flint	208.92	174.52	136.10	40.9	33.9	32.0	5.11	5.15	4.25
Grand Rapids	159.79	153.07	146.00	40.3	38.8	40.1	3.97	3.95	3.64
Jackson	178.66	177.02	151.66	39.8	39.4	37.0	4.49	4.49	4.10
Kalamazoo	182.79	173.24	160.51	41.8	40.0	41.4	4.37	4.33	3.88
Lansing	199.51	176.15	159.15	41.4	36.5	39.6	4.82	4.83	4.02
Muskegon-Muskegon Heights	157.25	154.68	152.02	39.4	38.7	39.6	3.99	4.00	3.84
Saginaw	204.27	190.45	151.21	40.7	36.2	37.7	5.02	5.26	4.01

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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**C-16: 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. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970
MINNESOTA	\$ 151.62	\$ 148.88	\$ 143.87	39.9	39.7	39.8	\$ 3.80	\$ 3.75	\$ 3.61
Duluth-Superior	148.71	140.94	130.27	39.9	38.5	38.6	3.73	3.66	3.37
Minneapolis-St. Paul	162.52	162.57	151.82	39.9	39.9	39.7	4.07	4.08	3.83
MISSISSIPPI	104.49	105.37	98.98	40.5	41.0	40.4	2.58	2.57	2.45
Jackson	106.81	108.45	101.84	41.4	42.2	41.4	2.58	2.57	2.46
MISSOURI	141.87	141.57	135.04	39.3	39.0	39.6	3.61	3.63	3.41
Kansas City	137.51	136.07	134.13	39.4	39.1	40.4	3.49	3.48	3.32
St. Joseph	141.36	147.03	146.63	41.7	43.5	42.5	3.39	3.38	3.45
St. Louis	163.18	162.33	153.22	39.8	39.4	39.9	4.10	4.12	3.84
Springfield	122.31	116.05	112.11	40.1	37.8	39.2	3.05	3.07	2.86
MONTANA ..	156.36	159.51	150.72	38.8	39.0	40.3	4.03	4.09	3.74
NEBRASKA	(*)	145.26	136.62	(*)	42.1	41.7	(*)	3.45	3.27
Lincoln	135.32	136.43	120.37	40.7	40.9	38.7	3.33	3.34	3.11
Omaha	145.55	148.48	139.14	40.4	40.9	40.5	3.60	3.63	3.43
NEVADA	167.58	173.75	159.98	39.9	40.5	39.6	4.20	4.29	4.04
Las Vegas	(*)	216.18	188.00	(*)	44.3	41.5	(*)	4.88	4.53
NEW HAMPSHIRE	120.43	120.74	111.27	39.1	39.2	38.5	3.08	3.08	2.89
Manchester	109.25	110.68	103.14	38.2	38.7	38.2	2.86	2.86	2.70
NEW JERSEY	152.93	152.97	142.26	41.0	40.9	40.3	3.73	3.74	3.53
Atlantic City	120.18	122.01	115.95	40.6	41.5	40.4	2.96	2.94	2.87
Camden ¹	149.29	152.21	142.86	40.9	41.7	40.7	3.65	3.65	3.51
Jersey City ²	157.73	155.82	145.84	42.4	42.0	40.4	3.72	3.71	3.61
Newark ²	150.66	149.92	140.40	40.5	40.3	40.0	3.72	3.72	3.51
Paterson-Clifton-Passaic ²	149.14	150.35	138.69	40.2	40.2	39.4	3.71	3.74	3.52
Perth Amboy ²	157.12	158.32	144.14	40.6	40.7	39.6	3.87	3.89	3.64
Trenton	146.57	145.08	132.33	39.4	39.0	39.5	3.72	3.72	3.35
NEW MEXICO	105.54	108.57	107.06	38.1	38.5	39.8	2.77	2.82	2.69
Albuquerque	122.98	123.20	112.40	39.8	40.0	38.1	3.09	3.08	2.95
NEW YORK	(*)	147.39	135.84	(*)	39.2	38.7	(*)	3.76	3.51
Albany-Schenectady-Troy	160.39	162.81	153.44	40.3	40.6	40.7	3.98	4.01	3.77
Binghamton	152.03	150.96	135.32	41.2	40.8	39.8	3.69	3.70	3.40
Buffalo	176.61	173.69	154.42	40.6	40.3	39.8	4.35	4.31	3.88
Elmira	139.44	139.39	127.86	39.5	39.6	39.1	3.53	3.52	3.27
Monroe County ³	179.17	180.40	164.84	41.0	41.0	40.7	4.37	4.40	4.05
Nassau and Suffolk Counties ⁴	148.08	147.71	139.12	39.7	39.6	39.3	3.73	3.73	3.54
New York-Northeastern New Jersey	(*)	144.69	135.17	(*)	39.0	38.4	(*)	3.71	3.52
New York SMSA ²	(*)	139.46	130.88	(*)	38.0	37.5	(*)	3.67	3.49
New York City ⁴	(*)	137.98	129.85	(*)	37.7	37.1	(*)	3.66	3.50
Rochester	171.79	173.03	159.08	41.0	41.1	41.0	4.19	4.21	3.88
Rockland County ⁴	148.06	147.36	138.60	39.8	39.4	39.6	3.72	3.74	3.50
Syracuse	156.33	155.90	141.45	40.5	40.6	40.3	3.86	3.84	3.51
Utica-Rome	137.26	135.09	127.53	39.9	39.5	39.0	3.44	3.42	3.27
Westchester County ⁴	146.61	144.75	126.39	39.2	38.6	38.3	3.74	3.75	3.30
NORTH CAROLINA	106.11	105.85	99.35	40.5	40.4	39.9	2.62	2.62	2.49
Asheville	106.66	105.73	93.41	41.5	41.3	38.6	2.57	2.56	2.42
Charlotte	114.67	113.96	108.12	41.1	40.7	40.8	2.79	2.80	2.65
Greensboro-Winston-Salem-High Point	112.90	112.62	108.14	39.2	38.7	38.9	2.88	2.91	2.78
Raleigh	109.07	105.86	102.43	40.1	39.5	39.7	2.72	2.68	2.58
NORTH DAKOTA	129.09	135.04	126.50	39.7	41.3	42.8	3.26	3.27	2.96
Fargo-Moorhead	136.20	135.29	132.16	38.3	36.8	40.8	3.56	3.68	3.24

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-16: 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. 1971	Sept. 1971	Oct. 1970	Oct. 1971	Sept. 1971	Oct. 1970	Oct. 1971	Sept. 1971	Oct. 1970
OHIO	\$ 169.31	\$ 168.49	\$ 152.00	40.7	40.6	40.0	\$4.16	\$4.15	\$3.80
Akron	181.40	180.95	167.23	40.4	40.3	40.2	4.49	4.49	4.16
Canton	158.72	157.50	149.77	37.7	37.5	38.5	4.21	4.20	3.89
Cincinnati	159.90	161.48	149.92	41.0	41.3	41.3	3.90	3.91	3.63
Cleveland	172.19	168.86	153.22	40.9	40.3	39.9	4.21	4.19	3.84
Columbus	156.82	156.42	142.32	39.6	39.5	39.1	3.96	3.96	3.64
Dayton	184.73	190.53	165.87	40.6	41.6	39.4	4.55	4.58	4.21
Toledo	183.02	181.02	160.39	41.5	42.0	40.3	4.41	4.31	3.98
Youngstown--Warren	185.14	175.95	152.45	40.6	39.1	38.4	4.56	4.50	3.97
OKLAHOMA	131.86	133.65	125.86	40.2	40.5	40.6	3.28	3.30	3.10
Oklahoma City	136.42	135.94	123.91	40.6	40.7	40.1	3.36	3.34	3.09
Tulsa	139.83	138.48	140.42	39.5	38.9	41.3	3.54	3.56	3.40
OREGON	159.42	159.44	148.60	38.6	38.7	38.3	4.13	4.12	3.88
Eugene	165.94	165.48	150.46	38.5	39.4	37.9	4.31	4.20	3.97
Portland	159.14	158.26	146.30	39.1	38.6	38.0	4.07	4.10	3.85
PENNSYLVANIA	141.96	141.23	131.58	39.0	38.8	38.7	3.64	3.64	3.40
Allentown--Bethlehem--Easton	142.45	144.76	130.22	38.5	38.5	38.3	3.70	3.76	3.40
Altoona	115.41	114.22	108.02	38.6	38.2	37.9	2.99	2.99	2.85
Delaware Valley ^B	155.21	154.45	142.66	39.9	39.5	39.3	3.89	3.91	3.63
Erie	155.03	155.82	147.55	41.9	42.0	41.8	3.70	3.71	3.53
Harrisburg	132.60	130.13	122.22	39.7	38.5	39.3	3.34	3.38	3.11
Johnstown	146.98	145.45	126.67	37.4	37.2	36.4	3.93	3.91	3.48
Lancaster	132.26	130.54	126.17	39.6	39.2	39.8	3.34	3.33	3.17
Philadelphia SMSA	154.40	154.03	142.60	40.0	39.8	39.5	3.86	3.87	3.61
Pittsburgh	158.95	158.15	150.13	38.3	38.2	39.3	4.15	4.14	3.82
Reading	128.35	127.39	119.66	38.2	37.8	38.6	3.36	3.37	3.10
Scranton	111.02	109.63	104.39	36.4	36.3	36.5	3.05	3.02	2.86
Wilkes-Barre--Hazleton	108.47	107.81	98.77	36.4	36.3	35.4	2.98	2.97	2.79
York	134.69	135.62	120.50	41.7	41.6	40.3	3.23	3.26	2.99
RHODE ISLAND	118.25	118.17	111.93	38.9	39.0	39.0	3.04	3.03	2.87
Providence--Pawtucket--Warwick	119.95	119.78	113.58	39.2	39.4	39.3	3.06	3.04	2.89
SOUTH CAROLINA	110.00	110.42	102.26	41.2	41.2	40.1	2.67	2.68	2.55
Charleston	(*)	134.40	126.79	(*)	42.0	40.9	(*)	3.20	3.10
Greenville	109.30	107.83	99.14	41.4	41.0	39.5	2.64	2.63	2.51
SOUTH DAKOTA	134.97	140.85	140.22	43.4	45.0	44.8	3.11	3.13	3.13
Sioux Falls	164.27	173.14	185.64	46.8	48.5	52.0	3.51	3.57	3.57
TENNESSEE	118.44	117.89	111.20	40.7	40.1	40.0	2.91	2.94	2.78
Chattanooga	130.65	129.44	120.10	40.7	40.2	39.9	3.21	3.22	3.01
Knoxville	135.14	134.75	124.34	40.1	39.4	39.6	3.37	3.42	3.14
Memphis	135.55	137.61	123.93	41.2	41.2	40.9	3.29	3.34	3.03
Nashville	124.40	126.40	119.20	40.0	40.0	40.0	3.11	3.16	2.98
TEXAS	136.42	136.55	130.73	40.6	40.4	40.6	3.36	3.38	3.22
Amarillo	121.70	124.31	118.40	39.9	40.1	40.0	3.05	3.10	2.96
Austin	119.77	118.96	119.84	41.3	40.6	42.8	2.90	2.93	2.80
Beaumont--Port Arthur--Orange	183.19	177.64	171.39	40.8	40.1	41.1	4.49	4.43	4.17
Corpus Christi	170.55	178.06	153.68	41.7	41.7	41.2	4.09	4.27	3.73
Dallas	126.86	127.43	121.27	40.4	40.2	39.5	3.14	3.17	3.07
El Paso	88.24	91.03	89.27	38.7	40.1	39.5	2.28	2.27	2.26
Fort Worth	141.40	142.80	139.86	40.4	40.8	41.5	3.50	3.50	3.37
Galveston--Texas City	198.44	206.59	191.40	41.0	41.4	41.7	4.84	4.99	4.59
Houston	164.32	164.37	155.58	41.6	41.3	41.6	3.95	3.98	3.74
Lubbock	113.85	115.79	115.56	41.4	41.8	42.8	2.75	2.77	2.70
San Antonio	104.67	108.14	107.44	39.8	40.2	42.3	2.63	2.69	2.54
Waco	114.55	114.17	114.77	39.5	39.1	40.7	2.90	2.92	2.82
Wichita Falls	100.22	99.97	99.20	39.3	38.9	40.0	2.55	2.57	2.48

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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**C-16: 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. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970	Oct. 1971 ^P	Sept. 1971	Oct. 1970
UTAH	\$ 144.60	\$ 143.05	\$ 133.06	39.4	39.3	37.8	\$ 3.67	\$ 3.64	\$ 3.52
Salt Lake City	135.66	136.06	125.78	39.9	39.9	38.7	3.40	3.41	3.25
VERMONT	130.82	131.04	122.29	41.4	41.6	40.9	3.16	3.15	2.99
Burlington	147.38	148.16	139.61	41.4	41.5	41.8	3.56	3.57	3.34
Springfield	138.23	138.17	135.53	40.3	40.4	41.7	3.43	3.42	3.25
VIRGINIA	116.98	117.79	110.95	40.2	40.2	40.2	2.91	2.93	2.76
Lynchburg	113.93	112.18	105.07	40.4	39.5	39.8	2.82	2.84	2.64
Norfolk-Portsmouth	127.41	128.74	122.78	41.1	41.0	41.2	3.10	3.14	2.98
Northern Virginia ⁶	159.95	159.51	140.59	40.7	40.9	40.4	3.93	3.90	3.48
Richmond	131.22	134.97	123.51	40.5	40.9	40.1	3.24	3.30	3.08
Roanoke	115.09	109.48	106.00	40.1	40.4	40.0	2.87	2.71	2.65
WASHINGTON	170.71	168.39	159.92	39.7	38.8	39.1	4.30	4.34	4.09
Seattle-Everett	173.89	175.78	168.33	39.7	39.5	39.7	4.38	4.45	4.24
Spokane	165.85	165.75	152.88	39.3	39.0	38.9	4.22	4.25	3.93
Tacoma	169.69	165.46	158.62	39.1	38.3	38.5	4.34	4.32	4.12
WEST VIRGINIA	144.51	144.18	138.05	39.7	39.5	39.9	3.64	3.65	3.46
Charleston	183.99	179.35	170.89	42.2	42.3	42.3	4.36	4.24	4.04
Huntington-Ashland	152.86	151.70	139.73	38.6	38.6	38.6	3.96	3.93	3.62
Wheeling	153.95	153.03	143.02	40.3	40.7	40.4	3.82	3.76	3.54
WISCONSIN	158.55	157.61	146.86	40.6	40.9	40.1	3.91	3.85	3.66
Green Bay	156.72	160.08	151.59	41.4	43.0	42.6	3.78	3.72	3.56
Kenosha	170.44	171.07	150.52	38.7	39.0	37.5	4.40	4.39	4.02
La Crosse	136.17	132.01	119.61	40.8	41.0	39.7	3.34	3.22	3.01
Madison	180.06	180.69	173.37	41.2	41.7	40.8	4.37	4.34	4.25
Milwaukee	169.34	169.80	157.66	40.0	40.1	39.6	4.23	4.23	3.98
Racine	168.93	170.28	152.31	40.8	41.0	39.9	4.14	4.15	3.82
WYOMING	145.79	146.92	126.49	41.3	39.6	38.1	3.53	3.71	3.32
Casper	179.78	180.99	157.14	42.5	41.8	40.5	4.23	4.33	3.88
Cheyenne	158.36	145.15	110.84	39.1	37.8	31.4	4.05	3.84	3.53

¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
² Area included in the New York-Northeastern New Jersey Standard Consolidated Area.
³ Subarea of Rochester Standard Metropolitan Statistical Area.
⁴ Subarea of New York Standard Metropolitan Statistical Area.
⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
⁶ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, and Falls Church cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

* Not available.
 p= preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

D-1: Labor turnover rates in manufacturing

1960 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1960	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962	4.1	3.6	3.8	4.0	4.3	5.0	4.6	5.1	4.9	3.9	3.0	2.4	4.1
1963	3.6	3.3	3.5	3.9	3.9	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964	3.6	3.4	3.7	3.8	3.9	5.1	4.4	5.1	4.8	4.0	3.2	2.6	4.0
1965	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1	4.3
1966	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9	5.0
1967	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8	4.4
1968	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1	4.6
1969	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	3.6	2.9	4.7
1970	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4	4.0
1971	3.5	3.1	3.5	3.7	3.9	4.9	4.0	5.3	4.8	3.9p			
New hires													
1960	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.2	2.6	1.8	1.4	2.4
1964	2.0	2.0	2.2	2.4	2.5	3.6	2.9	3.4	3.5	2.8	2.2	1.6	2.6
1965	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2	3.1
1966	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1	3.8
1967	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0	3.3
1968	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2	3.5
1969	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1	3.7
1970	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4	2.8
1971	2.0	1.9	2.2	2.3	2.6	3.5	2.7	3.4	3.3	2.7p			
Total separations													
1960	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.8	4.9	4.1	3.9	3.7	3.9
1964	4.0	3.3	3.5	3.5	3.6	3.5	4.4	4.3	5.1	4.2	3.6	3.7	3.9
1965	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1	4.1
1966	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2	4.6
1967	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9	4.6
1968	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8	4.6
1969	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2	4.9
1970	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1	4.8
1971	4.2	3.5	3.7	4.0	3.7	3.8	4.8	5.5	5.3	4.5p			
Quits													
1960	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961 .....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964	1.2	1.1	1.2	1.3	1.5	1.4	1.5	2.1	2.7	1.7	1.2	1.0	1.5
1965	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4	1.9
1966	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7	2.6
1967	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5	2.3
1968	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6	2.5
1969	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6	2.7
1970	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2	2.1
1971	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0p			
Layoffs													
1960	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964	2.0	1.6	1.6	1.4	1.4	1.3	2.1	1.4	1.5	1.8	1.7	2.1	1.7
1965	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9	1.4
1966	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7	1.2
1967	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6	1.4
1968	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4	1.2
1969	1.2	1.0	1.0	.9	.9	.9	1.6	1.1	1.1	1.3	1.3	1.8	1.2
1970	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2	1.8
1971	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.6p			

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	
		Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971
	MANUFACTURING	3.9	4.8	2.7	3.3	4.5	5.3	2.0	2.9	1.6	1.5
19,24,25,32-39	DURABLE GOODS	3.6	4.4	2.3	2.8	4.1	4.6	1.6	2.3	1.6	1.4
20-23,26-31	NONDURABLE GOODS	4.4	5.4	3.2	4.0	4.9	6.2	2.5	3.6	1.7	1.7
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	-	2.2	-	1.3	-	2.8	-	1.1	-	1.0
192	Ammunition, except for small arms	-	2.1	-	1.1	-	2.9	-	1.0	-	1.2
24	LUMBER AND WOOD PRODUCTS	5.1	6.6	4.5	5.9	5.3	7.2	3.4	5.3	.9	.7
242	Sawmills and planing mills	-	6.3	-	5.7	-	6.8	-	5.3	-	.5
2421	Sawmills and planing mills, general	-	5.9	-	5.3	-	6.5	-	5.3	-	.4
243	Millwork, plywood & related products	-	6.5	-	6.1	-	7.6	-	5.4	-	1.0
2431	Millwork	-	6.8	-	6.4	-	7.4	-	5.1	-	.9
2432	Veneer and plywood	-	5.8	-	5.2	-	6.6	-	4.9	-	.7
244	Wooden containers	-	9.4	-	8.1	-	8.6	-	6.6	-	1.1
2441,2	Wooden boxes, shooks, and crates	-	7.7	-	7.2	-	7.3	-	5.8	-	.8
249	Miscellaneous wood products	-	7.4	-	6.3	-	7.3	-	4.8	-	.8
25	FURNITURE AND FIXTURES	5.7	7.3	5.0	6.4	5.5	6.7	3.4	4.6	.9	.9
251	Household furniture	-	7.9	-	7.1	-	6.7	-	5.0	-	.5
2511	Wood household furniture	-	7.7	-	7.1	-	7.0	-	5.1	-	.7
2512	Upholstered household furniture	-	7.3	-	6.8	-	5.4	-	4.3	-	.1
2515	Mattresses and bedsprings	-	7.6	-	7.0	-	7.3	-	5.5	-	.6
252	Office furniture	-	4.9	-	4.3	-	4.6	-	3.0	-	.5
32	STONE, CLAY, AND GLASS PRODUCTS	3.3	4.3	2.5	3.4	4.2	5.2	1.8	3.1	1.5	1.1
321	Flat glass	-	3.1	-	1.7	-	4.1	-	1.1	-	2.4
322	Glass and glassware, pressed or blown	-	3.4	-	2.3	-	4.3	-	2.6	-	.6
3221	Glass containers	-	3.2	-	2.5	-	5.0	-	3.4	-	.7
3229	Pressed and blown glass, n e c	-	3.6	-	1.9	-	3.3	-	1.6	-	.4
324	Cement, hydraulic	-	1.9	-	1.4	-	3.3	-	2.2	-	.5
325	Structural clay products	-	5.8	-	5.1	-	7.0	-	4.8	-	1.3
3251	Brick and structural clay tile	-	6.8	-	6.4	-	8.2	-	6.5	-	.8
326	Pottery and related products	-	5.2	-	3.5	-	4.2	-	2.7	-	.6
3291	Abrasive products	-	1.8	-	1.6	-	3.0	-	1.2	-	.7
33	PRIMARY METAL INDUSTRIES	3.8	3.7	1.3	1.4	4.6	5.1	1.0	1.4	2.7	2.8
331	Blast furnace and basic steel products	-	4.3	-	.4	-	6.4	-	.8	-	4.6
3312	Blast furnaces and steel mills	-	4.5	-	.2	-	6.6	-	.7	-	4.8
332	Iron and steel foundries	-	4.0	-	2.8	-	4.5	-	2.1	-	1.3
3321	Gray iron foundries	-	4.0	-	3.0	-	4.3	-	2.2	-	1.1
3322	Malleable iron foundries	-	5.6	-	3.9	-	4.4	-	2.7	-	.1
3323	Steel foundries	-	3.4	-	1.9	-	4.9	-	1.6	-	2.4
333,4	Nonferrous metals	-	2.4	-	1.6	-	4.5	-	2.0	-	1.8
335	Nonferrous rolling and drawing	-	2.7	-	1.9	-	3.5	-	1.4	-	1.2
3351	Copper rolling and drawing	-	2.6	-	1.9	-	4.2	-	1.7	-	1.7
3352	Aluminum rolling and drawing	-	3.0	-	1.8	-	2.9	-	1.3	-	.8
3357	Nonferrous wire drawing, and insulating	-	2.6	-	1.9	-	3.3	-	1.4	-	1.0
336	Nonferrous foundries	-	4.3	-	3.2	-	4.7	-	2.4	-	1.5
3361	Aluminum castings	-	5.1	-	3.5	-	4.8	-	2.5	-	1.4
3362,9	Other nonferrous castings	-	3.5	-	2.8	-	4.7	-	2.2	-	1.5
339	Miscellaneous primary metal products	-	2.9	-	1.9	-	3.4	-	1.5	-	1.2
3391	Iron and steel forgings	-	2.3	-	1.5	-	3.3	-	1.3	-	1.4

See footnotes at end of table.

D-2: Labor turnover rates, by industry--Continued

SIC Code	Industry	(Per 100 employees)									
		Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971	Oct. 1971	Sept. 1971		
	<i>Durable Goods--Continued</i>										
34	FABRICATED METAL PRODUCTS	-	4.7	-	3.5	-	5.1	-	2.6	-	1.5
341	Metal cans	-	3.5	-	1.5	-	9.6	-	2.1	-	5.8
342	Cutlery, hand tools, and hardware	-	4.0	-	3.4	-	3.8	-	2.3	-	.7
3421,3,5	Cutlery and hand tools, incl. saws	-	4.3	-	3.7	-	3.5	-	2.3	-	.4
3429	Hardware, n e c	-	3.7	-	3.2	-	4.0	-	2.3	-	.9
343	Plumbing and heating, except electric	-	5.2	-	3.8	-	4.9	-	3.0	-	.6
3431,2	Sanitary ware & plumbers' brass goods	-	5.3	-	4.2	-	5.2	-	3.2	-	.6
3433	Heating equipment, except electric	-	5.1	-	3.4	-	4.6	-	2.7	-	.7
344	Fabricated structural metal products	-	4.8	-	4.0	-	5.1	-	2.8	-	1.2
3441	Fabricated structural steel	-	4.2	-	3.3	-	5.2	-	2.7	-	1.6
3443	Fabricated plate work (boiler shops)	-	3.1	-	2.5	-	3.3	-	1.8	-	.6
3446,9	Architectural and misc. metal work	-	5.4	-	4.9	-	5.2	-	3.2	-	1.0
345	Screw machine products, bolts, etc.	-	3.9	-	3.1	-	3.7	-	2.2	-	.7
3452	Bolts, nuts, rivets, and washers	-	2.7	-	2.1	-	3.4	-	1.6	-	.8
346	Metal stampings	-	5.4	-	2.9	-	4.9	-	1.9	-	1.7
348	Misc. fabricated wire products	-	5.2	-	4.5	-	6.2	-	3.8	-	1.4
349	Misc. fabricated metal products	-	3.9	-	3.0	-	4.9	-	2.5	-	1.6
3494,8	Valves, pipe, and pipe fittings	-	3.2	-	2.7	-	3.8	-	2.1	-	.9
35	MACHINERY, EXCEPT ELECTRICAL	2.6	2.8	1.6	1.8	3.0	3.4	1.0	1.4	1.3	1.2
351	Engines and turbines	-	1.9	-	1.0	-	2.3	-	1.0	-	.5
3511	Steam engines and turbines	-	1.9	-	1.0	-	2.4	-	1.2	-	.2
3519	Internal combustion engines, n e c	-	1.9	-	1.0	-	2.3	-	.8	-	.6
352	Farm machinery	-	3.6	-	1.7	-	4.7	-	1.6	-	1.8
353	Construction and related machinery	-	2.1	-	1.7	-	3.2	-	1.2	-	1.4
3531,2	Construction and mining machinery	-	1.6	-	1.1	-	2.9	-	.9	-	1.5
3533	Oil field machinery	-	3.3	-	2.9	-	3.6	-	2.1	-	.7
3535,6	Conveyors, hoists, cranes, monorails	-	2.4	-	1.9	-	2.9	-	1.2	-	1.1
354	Metal working machinery	-	3.5	-	1.8	-	3.7	-	1.3	-	1.1
3541	Machine tools, metal cutting types	-	2.4	-	1.0	-	2.5	-	1.0	-	.8
3545	Machine tool accessories	-	2.2	-	1.2	-	2.1	-	1.0	-	.7
3542,8	Misc. metal working machinery	-	3.0	-	2.0	-	3.0	-	1.3	-	1.1
355	Special industry machinery	-	2.5	-	1.8	-	3.0	-	1.4	-	.9
3551	Food products machinery	-	2.2	-	1.6	-	2.8	-	1.4	-	.8
3552	Textile machinery	-	3.5	-	2.6	-	3.9	-	2.3	-	.6
356	General industrial machinery	-	2.7	-	1.7	-	3.2	-	1.4	-	1.2
3561	Pumps and compressors	-	2.4	-	1.5	-	3.2	-	1.4	-	1.1
3562	Ball and roller bearings	-	2.8	-	.8	-	3.5	-	.8	-	1.8
3566	Power transmission equipment	-	2.1	-	1.6	-	3.4	-	1.5	-	1.4
357	Office and computing machines	-	2.3	-	1.3	-	3.5	-	1.3	-	1.2
3573	Electronic computing equipment	-	2.1	-	1.3	-	3.4	-	1.1	-	1.4
358	Service industry machines	-	3.5	-	2.2	-	4.7	-	2.0	-	1.7
3585	Refrigeration machinery	-	3.4	-	1.8	-	4.8	-	1.7	-	1.9
36	ELECTRICAL EQUIPMENT AND SUPPLIES	-	3.6	-	2.4	-	4.1	-	2.0	-	1.1
361	Electric test & distributing equipment	-	2.8	-	1.8	-	2.8	-	1.4	-	.5
3611	Electric measuring instruments	-	3.3	-	2.5	-	3.0	-	1.7	-	.5
3612	Transformers	-	3.3	-	1.9	-	3.5	-	1.6	-	.9
3613	Switchgear and switchboard apparatus	-	2.0	-	1.1	-	2.1	-	1.1	-	.3
362	Electrical industrial apparatus	-	2.4	-	1.4	-	2.6	-	1.2	-	.6
3621	Motors and generators	-	2.8	-	1.5	-	2.8	-	1.2	-	.6
3622	Industrial controls	-	1.3	-	.8	-	1.9	-	1.0	-	.3
363	Household appliances	-	4.7	-	3.0	-	5.2	-	2.1	-	1.9
3632	Household refrigerators and freezers	-	3.3	-	.5	-	7.4	-	1.4	-	4.9
3633	Household laundry equipment	-	3.4	-	2.8	-	3.3	-	1.7	-	.8
3634	Electric housewares and fans	-	7.8	-	5.9	-	5.0	-	3.2	-	.8
364	Electric lighting and wiring equipment	-	4.7	-	3.6	-	4.4	-	2.4	-	.8
3641	Electric lamps	-	2.7	-	1.4	-	2.3	-	1.1	-	.2
3642	Lighting fixtures	-	5.5	-	4.5	-	5.7	-	2.7	-	1.5
3643,4	Wiring devices	-	4.8	-	3.9	-	4.4	-	2.8	-	.6
365	Radio and TV receiving equipment	-	5.8	-	3.9	-	6.7	-	3.5	-	1.3
366	Communication equipment	-	1.9	-	1.0	-	3.2	-	1.2	-	1.2
3661	Telephone and telegraph apparatus	-	1.1	-	.7	-	2.3	-	1.0	-	.8
3662	Radio and TV communication equipment	-	2.2	-	1.2	-	3.6	-	1.3	-	1.4
367	Electronic components and accessories	-	4.1	-	2.7	-	4.8	-	2.4	-	1.1
3671-3	Electron tubes	-	2.3	-	1.0	-	4.0	-	1.3	-	1.6
3674,9	Other electronic components	-	4.4	-	3.0	-	4.9	-	2.7	-	1.1
369	Misc. electrical equipment & supplies	-	5.0	-	3.9	-	4.7	-	2.5	-	.8
3694	Engine electrical equipment	-	5.3	-	3.9	-	5.9	-	2.7	-	1.3

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	
		Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	-	5.1	-	2.0	-	4.1	-	1.7	-	1.4
371	Motor vehicles and equipment	-	5.8	-	1.2	-	3.4	-	1.2	-	1.1
3711	Motor vehicles	-	7.6	-	.8	-	3.0	-	1.0	-	1.0
3712	Passenger car bodies	-	11.9	-	1.1	-	1.9	-	.8	-	.5
3713	Truck and bus bodies	-	2.9	-	2.1	-	5.1	-	3.1	-	1.4
3714	Motor vehicle parts and accessories	-	3.3	-	1.3	-	3.6	-	1.1	-	1.3
372	Aircraft and parts	-	1.8	-	.9	-	2.7	-	.8	-	1.4
3721	Aircraft	-	1.8	-	.8	-	2.3	-	.7	-	1.2
3722	Aircraft engines and engine parts	-	1.3	-	.5	-	2.8	-	.7	-	1.3
3723,9	Other aircraft parts and equipment	-	2.9	-	1.8	-	3.9	-	1.4	-	1.9
373	Ship and boat building and repairing	-	8.9	-	5.3	-	8.4	-	3.5	-	3.5
3731	Ship building and repairing	-	8.5	-	4.2	-	8.6	-	2.8	-	4.3
374	Railroad equipment	-	5.4	-	2.0	-	4.8	-	1.7	-	1.9
375,9	Other transportation equipment	-	8.1	-	7.4	-	8.1	-	5.7	-	.9
38	INSTRUMENTS AND RELATED PRODUCTS	2.6	3.2	1.9	2.4	3.2	3.2	1.6	1.9	.8	.5
381	Engineering & scientific instruments	-	2.9	-	2.0	-	3.1	-	1.5	-	.7
382	Mechanical measuring & control devices	-	3.1	-	2.1	-	2.9	-	1.7	-	.5
3821	Mechanical measuring devices	-	2.3	-	1.8	-	2.3	-	1.4	-	.4
3822	Automatic temperature controls	-	4.3	-	2.6	-	3.9	-	2.0	-	.7
383,5	Optical and ophthalmic goods	-	4.2	-	3.3	-	3.8	-	2.3	-	.6
384	Medical instruments and supplies	-	4.0	-	3.3	-	3.6	-	2.6	-	.3
386	Photographic equipment and supplies	-	1.6	-	1.5	-	2.3	-	1.6	-	.3
387	Watches, clocks, and watchcases	-	6.1	-	4.1	-	4.9	-	2.5	-	.7
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.8	7.2	4.7	6.0	5.7	6.6	2.8	4.1	1.9	1.4
391	Jewelry, silverware, and plated ware	-	6.2	-	4.9	-	4.4	-	3.2	-	.3
394	Toys and sporting goods	-	10.6	-	8.8	-	9.7	-	6.0	-	2.0
3941-3	Games, toys, dolls, & play vehicles	-	13.1	-	11.2	-	11.9	-	7.5	-	2.4
3949	Sporting and athletic goods, n e c	-	7.1	-	5.4	-	6.5	-	3.8	-	1.5
395	Pens, pencils, office and art supplies	-	3.7	-	3.0	-	3.8	-	2.1	-	1.0
396	Costume jewelry and notions	-	7.2	-	6.2	-	6.5	-	4.6	-	1.2
393,9	Other manufacturing industries	-	5.6	-	4.6	-	5.5	-	3.2	-	1.4
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	6.1	8.5	4.1	6.0	7.9	10.2	3.2	5.3	3.9	3.9
201	Meat products	-	7.6	-	5.0	-	8.1	-	5.1	-	2.2
2011	Meat packing plants	-	7.0	-	2.8	-	7.6	-	3.0	-	3.9
2015	Poultry dressing plants	-	11.4	-	10.1	-	11.3	-	10.1	-	.1
204	Grain mill products	-	4.0	-	3.3	-	4.8	-	2.7	-	1.2
2041	Flour and other grain mill products	-	3.1	-	2.4	-	4.4	-	2.8	-	.8
2042	Prepared feeds for animals and fowls	-	4.3	-	3.8	-	5.2	-	2.9	-	1.4
205	Bakery products	-	4.9	-	3.9	-	5.9	-	3.6	-	1.4
2051	Bread, cake, and related products	-	4.4	-	3.6	-	5.5	-	3.4	-	1.3
2052	Cookies and crackers	-	7.1	-	5.3	-	7.6	-	4.5	-	2.0
207	Confectionery and related products	-	8.3	-	6.1	-	7.2	-	4.7	-	1.7
2071	Confectionery products	-	9.9	-	7.1	-	8.1	-	5.3	-	2.0
208	Beverages	-	5.2	-	3.7	-	6.7	-	3.7	-	2.1
2082	Malt liquors	-	3.0	-	.9	-	5.3	-	.9	-	3.8
21	TOBACCO MANUFACTURES	4.7	7.7	3.5	5.1	3.4	4.9	2.0	2.8	.4	1.1
211	Cigarettes	-	2.2	-	1.1	-	2.4	-	1.6	-	(1)
212	Cigars	-	7.4	-	5.3	-	6.9	-	4.8	-	1.3

See footnotes at end of table.

D-2: Labor turnover rates, by industry--Continued

SIC Code	Industry	(Per 100 employees)									
		Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971	Oct. 1971 ^P	Sept. 1971		
	<i>Nondurable Goods--Continued</i>										
22	TEXTILE MILL PRODUCTS	5.7	6.3	4.5	5.0	5.6	6.6	3.8	4.7	.7	.7
221	Weaving mills, cotton.....	-	6.2	-	5.0	-	6.5	-	5.0	-	.4
222	Weaving mills, synthetics.....	-	6.4	-	5.1	-	6.0	-	4.5	-	.4
223	Weaving and finishing mills, wool.....	-	5.1	-	3.2	-	8.3	-	3.6	-	3.5
224	Narrow fabric mills.....	-	6.0	-	4.8	-	5.8	-	4.4	-	.7
225	Knitting mills.....	-	5.9	-	4.6	-	6.3	-	4.4	-	1.0
2251	Women's hosiery, except socks.....	-	4.2	-	3.0	-	5.3	-	3.8	-	.8
2252	Hosiery, n e c.....	-	4.9	-	4.3	-	6.5	-	5.0	-	.6
2254	Knit underwear mills.....	-	6.4	-	4.7	-	5.3	-	4.5	-	.5
226	Textile finishing, except wool.....	-	5.6	-	4.6	-	6.2	-	4.3	-	.7
227	Floor covering mills.....	-	6.1	-	5.3	-	5.3	-	4.0	-	.3
228	Yarn and thread mills.....	-	8.3	-	6.5	-	8.7	-	6.5	-	.7
229	Miscellaneous textile goods.....	-	5.1	-	4.2	-	5.5	-	3.8	-	.4
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.4	6.1	3.8	4.5	5.4	6.1	3.1	3.9	1.6	1.3
231	Men's and boys' suits and coats.....	-	4.3	-	2.8	-	3.1	-	2.1	-	.5
232	Men's and boys' furnishings.....	-	6.2	-	5.2	-	6.4	-	5.1	-	.5
2321	Men's and boys' shirts and nightwear.....	-	5.6	-	4.4	-	6.2	-	4.8	-	.6
2327	Men's and boys' separate trousers.....	-	6.2	-	5.3	-	6.3	-	5.3	-	.2
2328	Men's and boys' work clothing.....	-	7.2	-	6.0	-	6.5	-	5.4	-	.5
234	Women's and children's undergarments.....	-	6.5	-	5.2	-	5.5	-	4.0	-	.6
2341	Women's and children's underwear.....	-	6.4	-	5.2	-	5.8	-	4.3	-	.7
2342	Corsets and allied garments.....	-	6.7	-	5.1	-	4.5	-	3.3	-	.6
26	PAPER AND ALLIED PRODUCTS	2.5	3.0	2.0	2.5	3.1	4.2	1.5	2.7	.8	.8
261,2,6	Paper and pulp mills.....	-	1.5	-	1.2	-	3.3	-	2.2	-	.6
263	Paperboard mills.....	-	2.2	-	1.7	-	3.6	-	2.1	-	.7
264	Misc. converted paper products.....	-	3.5	-	3.0	-	4.2	-	2.6	-	.7
2643	Bags, except textile bags.....	-	4.4	-	3.7	-	4.6	-	3.0	-	.7
265	Paperboard containers and boxes.....	-	4.4	-	3.7	-	5.4	-	3.5	-	.9
2651,2	Folding and setup paperboard boxes.....	-	4.8	-	3.7	-	5.6	-	3.3	-	1.4
2653	Corrugated and solid fiber boxes.....	-	4.2	-	3.9	-	4.7	-	3.3	-	.4
	PRINTING AND PUBLISHING	2.8	3.6	2.3	2.9	3.1	3.9	1.6	2.4	.8	.8
28	CHEMICALS AND ALLIED PRODUCTS	1.6	2.0	1.2	1.5	2.1	2.9	.9	1.6	.6	.6
281	Industrial chemicals.....	-	1.3	-	.8	-	2.0	-	1.0	-	.4
282	Plastics materials and synthetics.....	-	1.5	-	1.1	-	2.2	-	1.3	-	.3
2821	Plastics materials and resins.....	-	1.2	-	1.0	-	2.4	-	1.2	-	.5
2823,4	Synthetic fibers.....	-	1.6	-	1.1	-	2.2	-	1.4	-	.2
283	Drugs.....	-	2.0	-	1.6	-	3.1	-	1.9	-	.6
2834	Pharmaceutical preparations.....	-	2.2	-	1.8	-	3.4	-	2.0	-	.8
284	Soap, cleaners, and toilet goods.....	-	3.5	-	3.0	-	4.2	-	2.4	-	.7
2841	Soap and other detergents.....	-	1.7	-	1.1	-	2.8	-	1.5	-	.6
2844	Toilet preparations.....	-	5.6	-	5.1	-	5.5	-	3.1	-	.7
285	Paints and allied products.....	-	2.2	-	2.0	-	3.8	-	2.5	-	.4
286,9	Other chemical products.....	-	2.7	-	1.8	-	3.7	-	1.6	-	1.3
29	PETROLEUM AND COAL PRODUCTS	1.6	2.1	1.4	1.7	1.9	3.1	.7	1.7	.7	.5
291	Petroleum refining.....	-	1.6	-	1.2	-	2.4	-	1.2	-	.4
295,9	Other petroleum and coal products.....	-	4.0	-	3.8	-	5.7	-	3.5	-	.8
30	RUBBER AND PLASTICS PRODUCTS, N E C	4.1	4.8	3.3	3.8	4.4	5.2	2.2	3.2	1.2	.9
301	Tires and inner tubes.....	-	1.9	-	1.3	-	2.4	-	1.3	-	.2
302,3,6	Other rubber products.....	-	4.8	-	3.4	-	5.3	-	3.0	-	1.2
307	Miscellaneous plastics products.....	-	6.1	-	5.1	-	6.5	-	4.2	-	1.1

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Oct. 1971 ¹	Sept. 1971	Oct. 1971 ¹	Sept. 1971	Oct. 1971 ¹	Sept. 1971	Oct. 1971 ¹	Sept. 1971	Oct. 1971 ¹	Sept. 1971
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS	6.3	5.9	4.1	4.0	6.3	7.8	3.2	4.3	2.0	2.5
311	Leather tanning and finishing	-	5.1	-	3.7	-	6.0	-	3.1	-	2.2
314	Footwear, except rubber	-	5.7	-	3.7	-	8.3	-	4.4	-	2.7
	NONMANUFACTURING										
10	METAL MINING	2.6	3.2	2.2	2.5	3.5	5.0	1.6	3.5	1.2	.6
101	Iron ores	-	2.4	-	1.3	-	3.9	-	2.7	-	.3
102	Copper ores	-	3.0	-	2.6	-	4.3	-	3.2	-	.4
11,12	COAL MINING . . . . .	.6	2.1	.3	1.8	2.0	2.0	.5	1.2	.4	.3
12	Bituminous coal and lignite mining	-	2.1	-	1.8	-	2.0	-	1.2	-	.3
	COMMUNICATION:										
481	Telephone communication	-	1.6	-	1.3	-	2.5	-	1.7	-	.4
482	Telegraph communication ²	-	2.6	-	2.3	-	3.9	-	2.6	-	.7

¹ Less than 0.05.

² Data relate to all employees except messengers.

p=preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED LABOR TURNOVER

D-3: Labor turnover rates in manufacturing, 1960 to date
seasonally adjusted

(Per 100 employees)

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1960	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.8	3.5	3.6	3.6
1961	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.1	3.8	4.3	4.3	4.1
1962	4.3	4.2	4.1	4.2	4.2	4.0	4.2	4.0	4.0	3.9	3.8	3.8
1963	3.8	3.9	3.8	4.1	3.8	3.8	3.9	3.8	3.9	3.9	3.6	4.0
1964	3.8	4.0	4.0	4.0	3.8	4.0	4.0	4.0	3.9	3.9	4.0	4.1
1965	4.0	4.1	4.4	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966	4.9	5.0	5.4	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.5
1967	4.6	4.3	4.3	4.2	4.6	4.4	4.3	4.4	4.3	4.5	4.6	4.4
1968	4.5	4.6	4.4	4.7	4.6	4.4	4.6	4.6	4.6	4.8	4.8	4.9
1969	4.9	4.7	4.9	4.9	4.7	4.9	4.7	4.5	4.8	4.6	4.4	4.5
1970	4.3	4.4	4.2	4.0	4.1	4.0	4.1	4.1	3.8	3.6	3.7	3.8
1971	3.8	3.7	3.9	4.0	3.8	3.7	3.7	4.2	3.9	3.7p		
New hires												
1960	2.6	2.8	2.4	2.2	2.3	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.5	2.5	2.5
1962	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.4	2.4	2.3	2.3	2.1
1963	2.3	2.3	2.4	2.5	2.4	2.4	2.4	2.4	2.5	2.4	2.2	2.5
1964	2.4	2.5	2.6	2.6	2.4	2.6	2.6	2.6	2.7	2.6	2.7	2.8
1965	2.8	3.0	3.3	2.8	2.9	3.1	3.0	3.1	3.1	3.2	3.5	3.7
1966	3.7	3.9	4.3	3.9	4.0	3.9	3.7	3.8	3.7	3.8	3.8	3.5
1967	3.5	3.4	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.4
1968	3.4	3.3	3.4	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.6	3.7
1969	3.8	3.7	3.9	3.8	3.7	3.8	3.7	3.5	3.7	3.6	3.5	3.5
1970	3.3	3.1	3.0	2.9	2.7	2.7	2.8	2.9	2.6	2.4	2.4	2.3
1971	2.3	2.4	2.5	2.5	2.5	2.4	2.5	2.8	2.5	2.4p		
Total separations												
1960	3.5	4.1	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.5	5.0
1961	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.7	4.1	3.9	4.0	4.1
1962	3.9	4.0	4.0	3.9	4.2	4.2	4.2	4.4	3.9	4.1	4.1	3.9
1963	4.0	3.8	3.9	3.9	3.9	3.8	3.9	4.1	3.8	3.8	4.0	3.9
1964	4.0	4.0	3.9	3.8	3.9	3.9	4.1	3.6	3.9	4.0	3.8	3.9
1965	3.8	3.7	3.8	4.0	3.9	4.0	4.0	4.2	4.2	4.2	4.2	4.4
1966	4.1	4.3	4.6	4.7	4.6	4.8	4.9	4.7	4.9	4.5	4.7	4.6
1967	4.6	4.8	5.1	4.7	4.5	4.7	4.4	4.3	4.6	4.4	4.4	4.4
1968	4.6	4.6	4.6	4.4	4.6	4.5	4.6	4.9	4.6	4.6	4.6	4.3
1969	4.7	4.7	4.9	4.9	4.9	5.0	4.9	5.1	4.9	5.0	4.8	4.8
1970	5.0	5.1	4.9	5.2	4.9	4.8	4.9	4.6	4.4	4.9	4.8	4.7
1971	4.4	4.1	4.1	4.3	4.0	4.1	4.4	4.5	3.9	4.1p		
Quits												
1960	1.5	1.6	1.5	1.5	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962	1.3	1.5	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.6
1965	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	2.0	2.0	2.1	2.2
1966	2.3	2.3	2.6	2.7	2.6	2.6	2.5	2.6	2.6	2.6	2.6	2.7
1967	2.5	2.4	2.4	2.3	2.3	2.4	2.1	2.3	2.3	2.3	2.4	2.4
1968	2.4	2.4	2.4	2.3	2.5	2.4	2.5	2.7	2.5	2.6	2.6	2.5
1969	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.8	2.6	2.7	2.6	2.5
1970	2.5	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.7	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.9	1.8	1.9	1.7	1.8p		
Layoffs												
1960	1.5	1.9	2.3	2.4	2.3	2.5	2.4	2.6	2.5	2.6	2.7	2.8
1961	2.7	3.0	2.5	2.1	2.2	2.3	2.2	2.0	2.2	1.8	1.9	2.0
1962	1.8	2.0	1.8	1.8	2.0	2.0	2.0	2.4	2.0	2.1	2.0	1.9
1963	1.9	1.8	1.9	1.8	1.8	1.7	1.7	2.0	1.9	1.8	1.8	1.7
1964	1.8	1.8	1.8	1.6	1.7	1.6	1.7	1.5	1.6	1.7	1.5	1.6
1965	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.3	1.4	1.4
1966	1.2	1.1	1.1	1.2	1.1	1.3	1.5	1.2	1.1	1.1	1.2	1.3
1967	1.3	1.4	1.7	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2
1968	1.3	1.3	1.2	1.1	1.2	1.1	1.3	1.4	1.2	1.2	1.1	1.1
1969	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.2	1.4
1970	1.6	1.6	1.7	2.0	1.8	1.9	1.6	1.8	1.9	2.1	2.0	1.8
1971	1.7	1.5	1.5	1.6	1.5	1.5	1.5	1.9	1.7	1.5p		

p=preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971
ALABAMA:										
Birmingham	3.1	4.4	2.4	3.1	5.3	5.1	2.0	2.5	2.3	1.7
Mobile ¹	9.1	5.8	1.7	1.5	9.8	14.4	3.9	2.4	5.1	11.4
ALASKA	15.8	17.3	14.3	13.5	36.2	29.8	6.9	7.8	19.9	20.8
ARIZONA	6.4	5.7	4.5	4.1	5.4	5.9	3.4	3.2	.9	1.7
Phoenix	6.2	5.2	4.0	3.7	5.1	5.6	3.1	2.9	.9	1.7
ARKANSAS	8.0	8.0	6.6	7.0	7.7	9.4	5.6	6.6	1.2	1.7
Fort Smith	7.8	8.9	7.4	8.3	9.7	10.2	7.5	8.9	1.0	.3
Little Rock-North Little Rock	8.1	8.9	7.3	8.1	8.3	10.4	5.7	6.6	.9	1.8
Pine Bluff	5.6	5.4	4.3	3.8	6.8	7.6	4.0	4.6	2.0	2.0
COLORADO	6.0	6.0	4.6	4.6	5.9	7.0	3.5	3.7	1.3	2.2
Denver	5.8	5.7	5.1	4.9	6.0	6.1	3.6	3.8	1.0	1.1
CONNECTICUT	3.3	2.9	2.4	2.0	3.9	3.3	2.1	1.7	.8	.8
Hartford	(*)	1.7	(*)	1.2	(*)	2.2	(*)	1.2	(*)	.4
DELAWARE ¹	2.8	14.1	1.8	2.4	2.7	8.0	1.5	1.8	.3	5.4
Wilmington ¹	3.0	14.1	1.8	2.4	2.8	8.0	1.6	1.8	.3	5.4
DISTRICT OF COLUMBIA:										
Washington SMSA	(*)	3.4	(*)	3.2	(*)	3.7	(*)	3.0	(*)	.2
FLORIDA	7.0	7.1	5.6	5.9	6.6	7.2	4.6	4.5	.8	1.5
Fort Lauderdale-Hollywood	6.7	7.0	6.3	6.5	6.7	8.2	4.1	4.6	1.2	2.5
Jacksonville	6.6	7.6	5.5	5.8	6.3	7.6	3.7	4.9	1.2	1.0
Miami	6.3	5.8	5.3	4.7	5.3	6.2	3.4	3.3	1.1	1.8
Orlando	4.6	4.7	3.5	3.9	4.7	5.8	3.0	3.3	.5	1.6
Pensacola	1.3	1.6	1.3	1.5	1.3	3.6	.8	1.6	.2	1.8
Tampa-St. Petersburg	8.7	9.1	7.6	7.7	8.2	8.5	6.2	5.8	.6	1.4
West Palm Beach	5.1	3.9	4.7	2.6	4.1	7.6	2.3	2.1	1.0	4.8
GEORGIA	5.8	5.9	4.9	4.8	6.0	6.0	4.6	4.3	.4	.7
Atlanta ²	4.9	5.7	4.2	4.7	5.5	5.8	3.7	4.0	.7	.6
HAWAII ³	1.8	2.3	1.5	1.8	2.5	3.1	1.3	1.8	.4	.4
IDAHO ⁴	5.4	6.2	5.0	5.6	6.8	6.5	4.4	4.8	1.2	.5
ILLINOIS:										
Chicago	3.7	3.6	2.9	2.9	4.5	4.2	2.6	2.3	.8	.9
INDIANA ¹	3.6	4.8	1.9	2.2	4.7	5.6	1.9	2.0	1.9	2.7
Indianapolis ⁵	2.4	2.7	1.7	1.6	3.4	2.6	1.4	1.3	.9	.5
IOWA	3.6	4.5	2.3	3.1	4.6	3.9	2.3	2.6	1.6	.7
Cedar Rapids	4.2	3.7	2.3	1.9	5.2	3.1	1.7	1.5	2.6	1.1
Des Moines	3.1	2.7	2.1	1.9	5.0	4.9	2.5	2.6	1.7	1.4
KANSAS	3.8	4.6	2.8	3.4	4.1	5.0	2.2	3.1	1.1	1.1
Topeka	1.8	2.4	1.5	2.1	3.8	5.0	1.3	2.8	1.4	1.7
Wichita	3.3	4.2	1.4	2.0	3.2	2.8	1.8	1.5	.8	.8
KENTUCKY	3.4	3.9	2.2	2.3	3.8	4.8	1.9	2.6	1.1	1.3
Louisville	3.2	3.2	1.9	1.9	3.0	3.6	1.3	2.1	.7	.6
LOUISIANA:										
New Orleans	3.9	5.8	2.9	4.0	4.5	6.4	2.3	3.3	.9	1.5
MAINE	5.8	7.3	4.1	5.6	9.2	7.7	4.1	3.8	4.0	2.9
Portland	3.9	4.0	3.2	3.1	5.1	5.1	3.2	3.3	1.1	1.1
MARYLAND	4.7	5.7	2.8	2.9	4.9	6.8	2.2	2.2	1.7	3.6
Baltimore	4.3	6.1	2.6	2.9	4.9	7.8	2.1	2.2	1.6	4.6
MASSACHUSETTS	4.0	4.0	3.1	2.8	4.7	4.7	2.8	2.5	1.0	1.4
Boston	3.7	3.6	2.8	2.7	4.1	4.6	2.5	2.2	.7	1.5
MICHIGAN	(*)	6.9	(*)	2.1	(*)	6.5	(*)	1.6	(*)	3.9
Detroit	2.5	6.7	1.8	2.3	3.8	4.8	1.5	1.5	1.2	2.2

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)				Separation rates					
	Accession rates		New hires		Total		Quits		Layoffs	
	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971
MINNESOTA	4.4	5.1	3.2	3.7	6.7	5.2	3.7	2.5	2.1	1.8
Minneapolis-St. Paul	3.4	3.3	2.4	2.3	4.4	4.0	2.4	1.8	1.2	1.4
MISSISSIPPI:										
Jackson	6.3	5.4	5.6	4.8	5.4	5.5	4.0	4.2	.5	.3
MISSOURI	3.6	3.8	2.7	2.7	4.5	5.1	2.2	2.7	1.5	1.6
Kansas City	3.3	3.7	2.7	2.9	4.1	6.1	2.0	2.9	1.3	2.4
St. Louis	2.6	3.2	1.7	1.8	3.6	3.6	1.3	1.7	1.4	1.1
MONTANA	4.6	4.4	4.4	4.1	6.8	5.7	4.8	3.3	.9	1.4
NEBRASKA	4.2	4.7	3.5	3.9	4.8	5.6	2.9	3.9	1.0	.8
NEVADA	6.8	7.5	6.4	6.8	6.2	13.0	4.3	3.8	.4	7.3
NEW HAMPSHIRE	5.3	6.2	4.5	4.3	5.7	5.9	4.2	3.6	.6	1.1
NEW JERSEY:										
Camden ⁶	3.8	5.0	3.0	3.9	5.4	4.5	3.2	2.6	1.0	.8
Jersey City	3.3	3.6	2.3	2.6	3.7	3.9	1.6	1.6	1.2	1.4
Newark	3.8	5.3	2.7	2.5	4.3	4.6	2.3	2.2	1.0	1.4
Paterson-Clifton-Passaic	4.1	4.4	2.8	2.9	5.1	4.5	2.5	2.3	1.7	1.2
Perth Amboy	3.7	3.4	2.5	2.1	4.5	4.1	2.6	2.1	.9	1.2
Trenton	3.6	4.5	1.8	2.2	3.7	3.5	1.6	1.7	.9	.8
NEW YORK	4.4	5.5	2.9	2.9	4.8	5.1	2.1	2.0	1.8	2.2
Albany-Schenectady-Troy	2.7	4.2	1.8	1.7	3.5	5.3	2.1	1.6	.5	2.7
Binghamton	2.3	4.3	1.5	1.8	3.6	2.3	1.5	1.2	.8	.5
Buffalo	4.2	5.5	1.7	1.6	6.9	9.7	1.6	1.4	4.6	7.6
Elmira	2.1	4.3	1.2	2.0	4.0	4.1	1.5	1.4	1.4	1.7
Monroe County ⁷	2.4	2.9	2.1	2.0	2.8	2.6	1.8	1.5	.4	.4
Nassau and Suffolk Counties ⁸	4.8	5.2	4.1	3.4	5.2	5.2	2.7	2.7	1.5	1.4
New York SMSA	4.8	6.1	3.3	3.3	4.8	5.0	2.0	2.1	1.9	1.9
New York City ⁸	4.9	6.0	3.3	3.4	4.9	4.8	1.9	1.9	2.1	1.8
Rochester	3.5	4.2	2.8	3.0	4.0	3.0	2.5	1.7	.8	.6
Syracuse	3.5	3.8	2.2	3.0	4.1	3.0	2.2	1.8	1.1	.6
Utica-Rome	3.9	3.8	1.9	2.1	4.0	4.8	1.7	1.4	1.5	2.8
Westchester County ⁸	3.8	7.9	2.1	2.2	3.6	6.2	2.0	1.9	.8	3.6
NORTH CAROLINA	6.4	6.5	5.5	5.3	6.0	6.5	4.7	5.2	.3	.3
Charlotte	6.6	6.1	6.0	5.5	6.4	6.4	5.2	5.3	.5	.2
Greensboro-Winston-Salem-High Point	5.1	5.7	4.5	4.5	5.2	6.3	4.0	5.0	.2	.3
NORTH DAKOTA	10.3	5.7	8.2	2.9	8.7	5.8	4.9	4.0	1.9	.9
Fargo-Moorhead	13.6	3.6	5.8	2.8	6.8	4.0	3.0	2.7	2.6	.8
OHIO	3.3	4.1	2.0	2.2	4.7	4.6	2.2	1.4	1.6	2.4
Akron	2.2	2.3	1.4	1.2	3.0	2.6	1.2	.8	1.0	1.0
Canton	3.3	3.3	1.6	1.0	5.1	3.9	1.7	1.1	2.2	1.8
Cincinnati	2.6	5.2	1.7	1.9	3.8	3.8	1.9	1.6	1.2	1.4
Cleveland	3.3	3.4	1.8	1.8	4.2	4.9	1.8	1.3	1.5	2.6
Columbus	2.8	3.3	2.0	1.9	3.4	3.5	1.8	1.7	1.0	1.1
Dayton	2.2	4.3	1.1	1.1	2.5	4.4	1.2	1.0	.4	2.5
Toledo	3.3	4.1	2.0	2.3	4.6	3.7	2.1	1.4	1.5	1.3
Youngstown-Warren	2.9	2.6	.9	.9	5.0	10.6	1.0	.9	3.0	8.6
OKLAHOMA	6.3	5.9	4.9	4.9	5.9	6.5	3.7	4.2	1.1	1.3
Oklahoma City	7.5	8.9	5.7	7.4	7.3	8.2	4.6	5.7	1.3	1.5
Tulsa ⁹	4.7	5.3	4.0	4.7	5.7	7.2	2.7	3.7	1.9	2.1
OREGON ¹	5.2	5.4	4.4	4.5	6.7	5.4	4.1	3.0	1.6	1.5
Portland ¹	5.2	5.2	4.1	3.9	6.2	4.7	3.4	2.3	1.9	1.6
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	3.6	7.3	2.3	2.1	5.0	4.8	2.1	2.0	2.2	2.1
Altoona	3.9	3.9	3.3	3.2	3.9	7.7	2.5	3.0	1.0	4.2
Erie	3.9	4.9	2.9	2.9	4.4	4.4	2.2	2.2	1.3	1.2
Harrisburg	3.5	4.2	2.9	3.5	4.4	4.6	2.5	2.4	1.2	1.7
Johnstown	9.1	2.7	1.1	1.2	5.5	13.5	1.3	1.4	3.6	11.5
Lancaster	3.3	3.0	2.9	2.3	4.4	3.7	2.8	2.8	1.0	.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971	Sept. 1971 ^p	Aug. 1971
PENNSYLVANIA—Continued										
Philadelphia SMSA	3.9	4.0	2.8	2.4	4.4	4.3	2.3	2.0	1.2	1.4
Pittsburgh	2.6	2.7	.9	1.0	5.2	6.7	1.1	1.4	3.4	4.5
Reading	3.6	3.9	2.7	2.5	4.4	4.3	2.6	2.1	1.1	1.5
Scranton	4.5	4.5	3.1	2.6	4.8	4.2	2.8	1.8	1.4	1.7
Wilkes-Barre—Hazleton	3.9	4.2	3.0	2.3	6.2	5.4	2.8	2.1	2.7	2.7
York	7.9	5.4	4.4	2.8	6.3	5.3	4.3	3.4	1.3	1.3
RHODE ISLAND										
Providence—Pawtucket—Warwick	7.3	5.6	5.8	4.2	6.8	5.2	4.2	2.9	1.6	1.3
Providence—Pawtucket—Warwick	7.1	5.4	5.7	4.1	6.6	4.8	4.3	2.8	1.3	1.1
SOUTH CAROLINA:										
Greenville	6.8	7.5	6.0	6.1	6.4	6.6	5.0	5.3	.2	.1
SOUTH DAKOTA										
Sioux Falls	6.9	4.4	4.8	2.8	7.9	6.1	5.2	3.8	2.1	1.3
Sioux Falls	8.6	5.6	4.2	2.4	8.9	6.5	4.5	3.6	3.8	2.4
TENNESSEE:										
Memphis	6.3	5.7	4.8	4.5	5.1	5.8	2.9	3.4	.8	1.1
TEXAS:										
Dallas	4.8	5.3	4.3	4.6	5.4	6.0	3.4	4.0	.9	1.1
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	4.2	4.4	3.7	3.8	4.1	5.0	2.9	3.6	.3	.4
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH⁴										
Salt Lake City ⁴	5.8	4.4	4.1	3.5	6.1	5.4	3.5	2.8	1.8	1.7
Salt Lake City ⁴	4.1	4.0	3.7	3.6	5.3	4.4	3.4	2.8	.9	.7
VERMONT										
Burlington	3.5	4.2	2.8	3.0	4.2	3.8	2.6	2.3	.7	.8
Burlington	1.3	1.6	.9	1.1	3.9	2.8	1.7	1.5	.7	.5
Springfield	2.4	3.4	1.3	1.2	2.7	2.4	1.3	1.4	.8	.6
VIRGINIA										
Richmond	5.6	5.3	4.5	4.1	5.2	5.4	3.8	3.8	.5	.7
Richmond	4.1	4.7	3.6	3.9	4.0	3.8	2.9	2.7	.2	.1
WASHINGTON:										
Seattle—Everett ¹⁰	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
WEST VIRGINIA:										
Charleston	1.1	1.3	1.0	1.0	1.5	1.8	.6	1.0	.3	.4
WISCONSIN										
Milwaukee	3.7	6.2	2.6	3.3	5.4	4.9	2.3	2.8	2.3	1.3
Milwaukee	3.0	4.4	2.0	2.0	4.0	4.3	1.8	2.2	1.4	1.2
WYOMING										
.....	(*)	6.0	(*)	5.1	(*)	6.5	(*)	5.0	(*)	.9

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 Excludes canning and preserving, and newspapers.
 6 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
 7 Subarea of Rochester Standard Metropolitan Statistical Area.
 8 Subarea of New York Metropolitan Statistical Area.
 9 Excludes new-hire rate for transportation equipment.
 10 Excludes canning and preserving, printing and publishing.
 * Not available.
 p=preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

E-1: Number and rate of job vacancies in manufacturing, April 1969 to date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Number of job vacancies (In thousands)													
1969.....	-	-	-	293	290	240	256	312	288	242	209	185	263
1970.....	186	170	165	158	151	123	126	137	118	93	76	77	132
1971.....	81	80	83	93	95	89	90	106	98	90p			
Job vacancy rates ¹													
1969.....	-	-	-	1.4	1.4	1.2	1.3	1.5	1.4	1.2	1.0	0.9	1.3
1970.....	0.9	0.8	0.8	.8	.8	.6	.6	.7	.6	.5	.4	.4	.7
1971.....	.4	.4	.4	.5	.5	.5	.5	.6	.5	.5p			
Number of long-term job vacancies ² (In thousands)													
1969.....	-	-	-	137	131	110	109	121	127	111	101	90	120
1970.....	76	69	67	60	58	45	44	43	38	33	30	29	49
1971.....	28	27	27	28	27	25	26	28	28	28p			
Long-term job vacancy rates ²													
1969.....	-	-	-	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.6
1970.....	0.4	0.3	0.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.3
1971.....	.1	.1	.1	.2	.1	.1	.1	.2	.1	.1p			

¹ Computed by dividing the number of vacancies by the sum of employment plus vacancies and multiplying that quotient by 100.

² Long-term job vacancies are those vacancies that have remained unfilled for 30 days or more. The long-term job vacancy rate is computed by dividing the number of long-term vacancies by the sum of employment plus all job vacancies and multiplying that quotient by 100.

³ Beginning with July 1971, job vacancy data have been adjusted to reflect new benchmark employment levels and are not strictly comparable with those of earlier months.
p=preliminary.

E-2: Job vacancy rates in manufacturing, by industry

Industry division and group	1971										1970		
	Oct. p	Sept.	Aug.	July ⁴	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Job vacancy rates ¹													
Manufacturing	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5
Durable goods .....	.4	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3	.3	.4
Nondurable goods .....	.6	.6	.6	.6	.6	.6	.6	.5	.5	.5	.5	.5	.6
Selected durable goods industries:													
Primary metal industries .....	.2	.2	.2	.2	.2	.3	.4	.3	.3	.3	.2	.2	.3
Machinery, except electrical .....	.4	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
Electrical equipment and supplies .....	.5	.5	.6	.5	.5	.5	.5	.4	.4	.4	.4	.3	.4
Transportation equipment .....	.5	.5	.6	.5	.4	.4	.4	.4	.3	.4	.4	.4	.4
Instruments and related products .....	.7	.8	.8	.8	.9	.7	.8	.6	.5	.6	.5	.4	.6
Selected nondurable goods industries:													
Textile mill products .....	.9	.9	1.0	.8	.9	.9	.9	.8	.6	.7	.6	.6	.8
Apparel and other textile products	1.2	1.2	1.4	1.3	1.3	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.1
Printing and publishing .....	.4	.3	.4	.3	.3	.3	.4	.4	.4	.4	.3	.4	.4
Chemicals and allied products .....	.4	.4	.4	.4	.4	.5	.4	.5	.4	.4	.4	.4	.4
Long-term job vacancy rates ²													
Manufacturing	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2
Durable goods .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Nondurable goods .....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
Selected durable goods industries:													
Primary metal industries	*	*	*	*	.1	.1	.1	.1	.1	.1	.1	.1	.1
Machinery, except electrical .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
Electrical equipment and supplies .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Transportation equipment .....	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1
Instruments and related products .....	.1	.2	.1	.1	.2	.1	.1	.2	.1	.1	.1	.1	.1
Selected nondurable goods industries:													
Textile mill products .....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2
Apparel and other textile products .....	.6	.6	.6	.6	.6	.7	.7	.7	.6	.6	.6	.6	.6
Printing and publishing .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Chemicals and allied products .....	.1	.1	.1	.1	.1	.2	.2	.2	.2	.1	.2	.2	.2
Long-term job vacancies as a percent of job vacancies ³													
Manufacturing	31	28	27	29	28	29	30	32	34	34	38	40	35
Durable goods	27	25	24	24	23	23	24	27	26	29	36	37	34
Nondurable goods	34	32	30	33	34	33	37	37	41	38	41	42	37
Selected durable goods industries:													
Primary metal industries	24	26	29	24	26	30	24	28	23	21	29	34	44
Machinery, except electrical	31	27	26	28	30	32	28	29	31	35	40	39	40
Electrical equipment and supplies	23	22	18	20	15	16	18	19	14	26	26	30	27
Transportation equipment	33	25	26	26	23	22	23	22	24	25	38	40	34
Instruments and related products	16	21	17	18	21	16	18	32	19	20	25	28	21
Selected nondurable goods industries:													
Textile mill products	22	20	20	19	21	20	23	19	27	23	24	25	23
Apparel and other textile products	50	49	45	48	49	49	52	53	55	52	52	56	51
Printing and publishing	23	22	21	19	26	19	20	21	21	20	26	23	23
Chemicals and allied products	28	26	31	29	37	35	39	34	43	35	45	51	49

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Percentages are computed using unrounded rates.

p=preliminary.

⁴ See footnote 3, table E-1.

* Less than 0.05

ESTABLISHMENT DATA
NATIONAL AND AREA JOB VACANCY

E-3: Percent distribution of job vacancies in manufacturing, by industry

Industry division and group	1971										1970		
	Oct. P	Sept.	Aug.	July ¹	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Manufacturing	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
Durable goods	50.1	52.3	50.6	50.6	48.7	47.2	49.4	47.8	49.6	46.9	48.5	46.6	49.1
Primary metal industries	2.3	2.4	2.0	2.3	3.0	4.2	4.9	4.8	5.0	4.1	4.1	3.8	3.5
Machinery, except electrical	8.6	8.5	7.0	7.6	7.2	7.2	7.3	7.9	8.0	8.4	8.9	9.1	8.6
Electrical equipment and supplies	9.7	10.1	10.1	9.6	9.5	8.5	8.6	7.7	9.5	8.5	9.0	8.4	9.0
Transportation equipment	9.1	8.7	9.7	9.3	8.3	8.0	7.9	7.6	7.8	7.9	8.6	7.5	7.0
Instruments and related products	3.4	3.4	3.4	3.8	4.4	3.4	3.6	3.0	2.6	3.1	2.6	2.4	3.1
Other durable goods industries	16.9	19.3	18.5	18.0	16.3	15.9	17.2	16.7	16.6	14.9	15.3	15.5	17.9
Nondurable goods	49.9	47.7	49.4	49.4	51.3	52.8	50.6	52.2	50.4	53.1	51.5	53.4	50.9
Textile mill products	10.1	9.2	9.5	8.6	9.2	8.9	8.7	9.0	7.5	7.9	7.7	8.1	8.1
Apparel and other textile products	18.0	17.5	18.3	19.2	19.9	20.1	19.7	21.5	21.0	21.0	20.4	20.7	17.2
Printing and publishing	4.3	3.8	4.1	4.0	3.9	3.9	4.3	4.7	4.9	6.0	4.1	5.2	5.2
Chemicals and allied products	4.8	3.9	3.7	4.6	4.8	5.1	4.9	5.7	5.8	4.9	6.1	5.4	4.6
Other nondurable goods industries	12.7	13.3	13.9	12.8	13.4	14.9	11.0	11.6	11.3	13.3	13.2	14.0	15.9

¹ See footnote 3, table E-1.
p=preliminary.

E-4: Job vacancy rates, United States and selected areas

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total ¹		Long-term ²			Total ¹		Long-term ²	
	1971 Sept.P	1971 Aug.	1971 Sept.P	1971 Aug.		1971 Sept.P	1971 Aug.	1971 Sept.P	1971 Aug.
Manufacturing					Nonmanufacturing⁴				
United States ³	0.5	0.6	0.2	0.2					
Albany-Schenectady-Troy, N.Y. . . . .	.3	.4	.1	.1	Mining:				
Atlanta, Ga. . . . .	.5	.5	.1	.1	New Orleans, La. . . . .	.2	.4	.1	.1
Baltimore, Md. . . . .	.5	.6	.2	.2	Phoenix, Ariz.	(⁵)	(⁵)	(⁵)	(⁵)
Boston, Mass. . . . .	.6	.8	.2	.2	Portland, Ore.	(⁵)	(⁵)	(⁵)	(⁵)
Buffalo, N.Y. . . . .	.2	.3	.1	.1	Construction:				
Cedar Rapids, Iowa . . . . .	.1	.3	*	*	Portland, Ore. . . . .	.4	.7	.1	.1
Dallas, Tex. . . . .	.6	.9	.2	.1	Wholesale and Retail				
Denver, Colo. . . . .	.3	.4	.1	.1	Trade:				
Des Moines, Iowa . . . . .	.6	.6	.2	.1	Boston, Mass. . . . .	.4	.6	.1	.
Detroit, Mich. . . . .	.2	.2	*	*	Phoenix, Ariz. . . . .	.3	.6	*	.
Greensboro-Winston-Salem-Highpoint, N.C.	1.3	1.3	.3	.3	Portland, Ore. . . . .	.3	.5	*	.
Greenville, S.C. . . . .	.9	.7	.2	.1	Finance, Insurance and Real Estate:				
Houston, Tex. . . . .	.7	.8	.3	.3	Boston, Mass.	1.7	1.6	.4	.4
Jersey City, N.J. . . . .	.2	.2	*	.1	Hartford, Conn.	2.5	2.7	1.3	1.3
Kansas City, Mo. . . . .	.3	.3	*	*	Phoenix, Ariz. . . . .	.5	1.0	.2	.2
Little Rock-North Little Rock, Ark. . . . .	.4	.7	.2	.1	Portland, Ore. . . . .	.6	.6	.1	.2
Memphis, Tenn. . . . .	.3	.3	.1	.1	Salt Lake City, Utah . . . . .	.5	.8	.1	.1
Miami, Fla. . . . .	.5	.5	.1	*	Service:				
Milwaukee, Wisc. . . . .	.3	.4	.1	.1	Boston, Mass.	1.1	1.1	.4	.4
Minneapolis-St. Paul, Minn. . . . .	.4	.5	.1	.1	Phoenix, Ariz. . . . .	.7	.8	.1	.1
Newark, N.J. . . . .	.5	.6	.1	.1	Portland, Ore. . . . .	.6	.9	.1	.1
New Orleans, La. . . . .	.5	.5	.3	.4	Government:				
New York, N.Y. . . . .	.5	.5	.2	.2	Atlanta, Ga.	1.6	1.6	.8	.8
Oklahoma City, Okla. . . . .	.7	1.0	.1	.1	Boston, Mass. . . . .	.8	1.3	.5	.9
Paterson-Clifton-Passaic, N.J. . . . .	.2	.3	.1	.1	Phoenix, Ariz.	1.1	1.0	.4	.1
Perth Amboy, N.J. . . . .	.6	.5	.2	.2	Portland, Ore. ⁶ . . . . .	.9	.8	.2	.1
Philadelphia, Pa. . . . .	.4	.5	.1	.1					
Phoenix, Ariz. . . . .	.7	.9	.1	.1	All Nonagricultural Industries				
Portland, Ore. . . . .	.5	.4	*	*	Phoenix, Ariz. . . . .	.6	.8	.1	.1
Providence-Pawtucket-Warwick, R.I. . . . .	.8	1.0	.2	.3	Portland, Ore. . . . .	.5	.6	.1	.1
Richmond, Va. . . . .	.4	.7	.1	.2	Salt Lake City, Utah. . . . .	.7	.7	.1	.1
St. Louis, Mo. . . . .	.2	.3	.1	.1					
Salt Lake City, Utah. . . . .	.6	.4	*	*					
Sioux Falls, S.D.	1.0	.6	*	*					
Syracuse, N.Y. . . . .	.4	.4	*	*					
Tampa-St. Petersburg, Fla. . . . .	.8	.8	.3	.1					
Wichita, Kans. . . . .	.9	.3	.1	.1					

¹ See footnote 1, table E-1.
² See footnote 2, table E-1.
³ Based on a nationwide sample which includes metropolitan areas not shown in the table as well as nonmetropolitan areas.
⁴ Additional industry data, by area, will be published when available.
⁵ Combined with services.
⁶ Excludes education.
* Less than 0.05.
p=preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

F-1: Insured unemployment under State programs

State	(Week including the 12th of the month)					Rate (percent of average covered employment)		
	Number (in thousands)			Change from ¹		Nov. 1971	Oct. 1971	Nov. 1970
	Nov. 1971	Oct. 1971	Nov. 1970	Oct. 1971	Nov. 1970			
TOTAL ^{2,3}	1,828.3	1,724.2	2,007.3	104.0	-179.0	3.4	3.2	3.7
SEASONALLY ADJUSTED	2,228.8	2,381.1	2,442.5	-152.3	-213.7	4.2	4.5	4.6
Alabama	23.8	22.8	25.1	1.0	-1.3	3.4	3.2	3.5
Alaska	4.2	3.0	4.9	1.1	-.8	7.4	5.4	9.1
Arizona	9.5	8.8	10.6	.7	-1.1	2.4	2.2	2.8
Arkansas	12.6	12.3	15.7	.4	-3.1	3.2	3.1	3.9
California	229.2	226.8	302.8	2.4	-73.6	4.4	4.4	5.7
Colorado	7.5	5.9	6.5	1.6	.9	1.5	1.1	1.3
Connecticut	57.4	61.7	54.3	-4.3	3.2	5.6	6.1	5.3
Delaware	3.3	2.8	4.1	.5	-.7	2.0	1.7	2.4
District of Columbia	5.9	5.8	5.7	.1	.2	1.7	1.6	1.6
Florida	35.0	37.2	36.4	-2.2	-1.5	2.3	2.4	2.4
Georgia	16.1	15.7	20.0	.5	-3.9	1.4	1.4	1.8
Hawaii	12.7	12.7	8.4	-	4.4	4.8	4.8	3.4
Idaho	4.7	3.5	4.4	1.2	.3	3.0	2.3	2.9
Illinois	82.1	74.1	85.1	8.0	-3.0	2.6	2.3	2.6
Indiana	37.0	33.3	46.1	3.7	-9.1	2.7	2.4	3.2
Iowa	10.4	9.3	12.0	1.1	-1.6	1.8	1.6	2.1
Kansas	11.1	9.7	16.8	1.4	-5.7	2.6	2.3	3.8
Kentucky	17.5	15.8	17.9	1.8	-.4	2.8	2.5	2.9
Louisiana	22.8	22.2	25.2	.6	-2.5	3.1	3.1	3.5
Maine	13.4	12.5	11.4	.9	2.1	6.0	5.6	5.1
Maryland	31.8	29.0	22.8	2.8	9.0	3.3	3.1	2.4
Massachusetts	76.9	73.9	85.8	3.0	-9.0	4.5	4.3	4.9
Michigan	91.2	84.5	143.8	6.7	-52.6	3.9	3.6	5.8
Minnesota	22.0	17.8	26.6	4.1	-4.6	2.2	1.8	2.7
Mississippi	5.5	6.0	8.3	-.5	-2.8	1.4	1.5	2.1
Missouri	34.8	33.7	41.3	1.1	-6.5	3.0	2.9	3.4
Montana	3.9	4.0	3.9	-.1	-	3.1	3.2	3.1
Nebraska	3.8	3.1	5.0	.6	-1.2	1.2	1.0	1.6
Nevada	10.5	7.4	6.4	3.1	4.1	6.5	4.6	4.1
New Hampshire	4.4	4.2	6.4	.2	-2.0	2.3	2.2	3.2
New Jersey	94.8	94.0	88.1	.8	6.7	4.6	4.6	4.3
New Mexico	6.6	6.3	7.9	.3	-1.3	3.5	3.4	4.3
New York	254.1	244.3	242.5	9.7	11.5	4.5	4.3	4.2
North Carolina	21.8	19.4	30.3	2.4	-8.6	1.6	1.4	2.3
North Dakota	2.2	.9	1.6	1.3	.7	2.6	1.1	1.9
Ohio	81.5	74.9	93.6	6.6	-12.1	2.8	2.6	3.1
Oklahoma	16.7	15.1	16.5	1.6	.2	3.4	3.0	3.4
Oregon	23.8	19.1	27.2	4.7	-3.3	4.4	3.5	5.0
Pennsylvania	136.3	124.8	120.6	11.5	15.8	4.1	3.7	3.5
Puerto Rico ²	69.9	64.3	58.9	5.6	11.0	12.2	10.9	8.9
Rhode Island	11.5	12.1	12.5	-.6	-1.0	4.2	4.4	4.4
South Carolina	13.4	13.3	17.7	.1	-4.2	2.2	2.1	2.8
South Dakota	1.4	1.1	1.6	.3	-.2	1.5	1.1	1.7
Tennessee	22.5	22.4	32.8	.1	-10.2	2.4	2.3	3.4
Texas	39.5	37.3	43.9	2.2	-4.3	1.5	1.4	1.7
Utah	8.0	6.4	7.4	1.6	.6	3.4	2.7	3.2
Vermont	4.8	4.0	4.2	.8	.5	4.7	3.9	4.1
Virginia	9.9	8.5	8.1	1.4	1.9	1.0	.8	.8
Washington	60.9	56.8	75.9	4.1	-15.0	7.8	7.3	9.2
West Virginia	15.9	12.9	11.5	3.0	4.4	4.4	3.6	3.2
Wisconsin	30.5	25.8	39.9	4.7	-9.3	2.7	2.3	3.5
Wyoming	.9	.6	.9	.3	-	1.3	.8	1.2

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.

F-2: Insured unemployment¹ in 150 major labor areas²

(In thousands, for week including the 12th of the month)

State and area	Nov. 1971	Nov. 1970	State and area	Nov. 1971	Nov. 1970	State and area	Nov. 1971	Nov. 1970	State and area	Nov. 1971	Nov. 1970
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	7.7	6.0	Evansville.....	2.7	1.8	Manchester.....	.7	.9	continued		
Mobile.....	2.7	2.3	Ft. Wayne.....	1.1	2.2				York.....	2.3	2.3
			Gary-Hammond..	10.8	4.1						
ARIZONA			Indianapolis....	5.7	8.1	NEW JERSEY			PUERTO RICO		
Phoenix.....	6.2	7.8	South Bend.....	2.1	3.0	Atlantic City....	3.3	3.4	Mayaguez.....	2.5	1.8
			Terre Haute....	1.1	1.2	Jersey City.....	13.1	11.7	Ponce.....	3.6	2.1
						New Brunswick..	26.0	23.8	San Juan.....	10.0	6.6
ARKANSAS			IOWA			Paterson.....	18.8	18.8			
Little Rock.....	1.3	1.6	Cedar Rapids....	1.0	1.1	Trenton.....	2.5	2.2			
			Des Moines.....	1.5	1.2				RHODE ISLAND		
CALIFORNIA			KANSAS			NEW MEXICO			Providence.....	13.1	15.2
Anaheim-S. Ana-			Wichita.....	3.7	7.7	Albuquerque....	2.8	3.1			
Garden Grove..	15.3	22.4							SOUTH CAROLINA		
Fresno.....	4.4	5.2	KENTUCKY			NEW YORK			Charleston.....	2.0	1.5
Los Angeles....	95.5	133.5	Louisville.....	6.2	5.7	Albany.....	6.2	4.9	Greenville.....	1.2	2.2
Sacramento.....	8.3	10.5				Binghamton....	2.3	3.1			
San Bernardino..	11.7	14.4	LOUISIANA			Buffalo.....	23.4	35.6			
San Diego.....	14.9	19.1	Baton Rouge....	1.7	2.0	New York.....	181.3	151.1			
San Francisco..	40.2	46.6	New Orleans....	8.0	8.3	Rochester.....	6.3	13.8			
San Jose.....	12.5	17.0	Shreveport.....	2.2	2.2	Syracuse.....	6.4	7.9	TENNESSEE		
Stockton.....	4.7	6.1				Utica.....	6.2	4.5	Chattanooga....	1.5	2.2
			MAINE			NORTH CAROLINA			Knoxville.....	2.9	3.6
COLORADO			Portland.....	1.1	1.3	Asheville.....	.7	1.1	Memphis.....	3.3	3.6
Denver.....	3.5	4.0	MARYLAND			Charlotte.....	1.6	2.0	Nashville.....	3.1	3.7
			Baltimore.....	24.8	15.0	Durham.....	.5	.9			
CONNECTICUT			MASSACHUSETTS			Greensboro-			TEXAS		
Bridgeport.....	9.3	9.3	Boston.....	35.4	37.1	Winston-Salem..	2.2	3.3	Austin.....	.8	.7
Hartford.....	12.5	8.8	Brockton.....	2.7	2.7				Beaumont.....	2.2	2.5
New Britain....	3.6	3.2	Fall River.....	2.6	3.3	OHIO			Corpus Christi..	1.0	1.5
New Haven.....	7.1	5.9	Lawrence.....	5.1	6.4	Akron.....	4.4	4.9	Dallas.....	5.8	9.6
Stamford.....	2.6	2.5	Lowell.....	3.6	3.9	Canton.....	5.6	4.1	El Paso.....	2.0	2.0
Waterbury.....	5.2	6.3	New Bedford...	3.2	5.5	Cincinnati.....	9.4	8.8	Ft. Worth.....	4.5	4.6
			Springfield....	8.2	8.7	Cleveland.....	16.2	19.1	Houston.....	6.4	5.0
DELAWARE			Worcester.....	4.6	4.7	Columbus.....	3.6	3.9	San Antonio....	2.5	3.0
Wilmington.....	3.5	3.9				Dayton.....	5.7	10.2			
			MICHIGAN			Hamilton.....	2.7	2.1	UTAH		
DIST. OF COL.			Battle Creek....	1.9	2.8	Lorain.....	2.1	2.0	Salt Lake City..	4.7	4.
Washington.....	11.0	9.9	Detroit.....	48.3	68.0	Steuvenville...	2.2	.8			
			Flint.....	3.6	10.4	Toledo.....	4.1	6.7	VIRGINIA		
FLORIDA			Grand Rapids...	5.1	7.5	Youngstown....	10.3	12.1	Hampton.....	.8	1.0
Jacksonville....	1.4	1.0	Kalamazoo.....	1.9	3.0				Norfolk.....	1.6	1.8
Miami.....	11.5	12.0	Lansing.....	2.2	4.9	OKLAHOMA			Richmond.....	.6	.7
Tampa.....	4.4	5.3	Muskegon.....	2.5	3.7	Oklahoma City..	3.8	2.9	Roanoke.....	.7	.5
			Saginaw.....	1.1	6.7	Tulsa.....	3.5	3.8			
GEORGIA						OREGON			WASHINGTON		
Atlanta.....	5.7	6.5	MINNESOTA			Portland.....	12.8	13.7	Seattle.....	33.1	45.4
Augusta.....	1.4	1.7	Duluth.....	2.2	1.6				Spokane.....	4.0	5.0
Columbus.....	.9	1.4	Minneapolis....	10.9	15.0	PENNSYLVANIA			Tacoma.....	6.0	7.8
Macon.....	.6	1.0				Allentown.....	6.4	4.6			
Savannah.....	.9	1.2	MISSISSIPPI			Altoona.....	1.9	1.6	WEST VIRGINIA		
			Jackson.....	.5	.7	Erie.....	2.1	2.1	Charleston.....	1.6	1.1
HAWAII			MISSOURI			Harrisburg.....	2.7	2.2	Huntington....	3.3	2.0
Honolulu.....	11.2	6.2	Kansas City....	9.6	8.8	Johnstown.....	4.9	4.5	Wheeling.....	2.2	1.2
			St. Louis.....	22.6	26.6	Lancaster.....	2.3	1.5			
ILLINOIS			NEBRASKA			Philadelphia...	49.8	49.3	WISCONSIN		
Chicago.....	48.5	44.6	Omaha.....	1.9	2.5	Pittsburgh....	36.4	24.2	Kenosha.....	.8	.7
Davenport.....	3.5	3.6				Reading.....	2.8	2.8	Madison.....	1.5	1.1
Peoria.....	1.7	1.7				Seranton.....	4.1	4.5	Milwaukee.....	11.4	15.8
Rockford.....	2.2	3.3				Wilkes-Barre...	6.1	5.6	Racine.....	1.2	2.3

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, see Area Trends in Employment and Unemployment published by the Manpower Administration.

Technical Note

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, color, marital status, occupations, hours of work, and duration of unemployment. 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 50,000 households, representing 449 areas in 863 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, job vacancies, 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 about 30 million nonagriculture 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 month while job vacancies pertain to those outstanding at the end of the month.

Data based on administrative records of unemployment insurance systems furnish a complete count of insured unemployment among the two-thirds 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-servicemen, and railroad workers. These statistics are published by the Manpower 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 interview 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 Manpower 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, State and local government, domestic service, self-employment, unpaid family work, nonprofit organizations, and firms below a minimum size).

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 worked 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, published jointly by the U.S. Departments of Commerce and Health, Education, and Welfare, 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. Not all nonagricultural wage and salary workers are covered by the unemployment insurance programs. All workers in certain activities, such as interstate railroads, are excluded. In addition, small firms in covered industries are also excluded in about half the States. In general, these are establishments with less than four employees.

Additional information concerning the preparation of the labor force, employment, hours, earnings, job vacancy, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in technical notes for each of these series, available from the Bureau of Labor Statistics free of charge.

Labor Force Data

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 16 years and over. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. 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 and persons under 16 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, 50,000 occupied units are designated for interview. About 2,250 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 4.5 percent. In addition to the 50,000 occupied units, there are 8,500 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year ago.

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) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but who 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.

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, color, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published: The total labor force participation

rate, which is the ratio of the total labor force and the total noninstitutional population, and the civilian labor force participation rate, which is the ratio of civilian labor force and civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as color 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 latest full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental 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 Veterans Day holiday would be reported as working 32 hours even though he was paid for the holiday.

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

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

Persons who worked 35 hours or more in the survey week are designated as working "full time;" persons who worked between

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

Full- and part-time labor force. The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (because full-time work is not available), 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 man-hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available man-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.

White and Negro and other races are terms used to describe the color or race of workers. The Negro and other races category, which had formerly been identified as "Nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1960 Census of Population, approximately 92 percent of the Negro and other races population group were Negro; the remainder were American Indians, Eskimos, Orientals, and other nonwhites. Tables in this volume which contain these data utilize the word "color" to so indicate.

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-5 for 16-21 year-olds by employment status, color, sex, and, if unemployed, whether seeking full- or part-time work.

ESTIMATING METHODS

Under the estimation 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 or other reasons. This adjustment is made separately by groups of sample areas and, within these, for six groups—color (white and Negro and other races) within the three residence categories (urban, rural nonfarm, and rural farm). The

proportion of sample households not interviewed varies from 4 to 6 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, color, 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 1960 Census data on the color-residence distribution of the population. This step takes into account the differences existing at the time of the 1960 Census between the color-residence distribution for the Nation and for the sample areas.

b. **Second-stage ratio estimate.** In this step, the sample proportions are weighted by independent current estimates of the population by age, sex, and color. These estimates are prepared by carrying forward the most recent census data (1960) to take account of subsequent aging of the population, mortality, and migration between the United States and other countries.

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

Rounding of estimates

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

Reliability of the estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

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

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

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

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 and total employment	190	145
Agriculture	120	100
Nonagricultural employment	200	150
Unemployment	75	80
MALE		
Labor force and total employment	100	75
Agriculture	95	80
Nonagricultural employment	120	95
Unemployment	60	60
FEMALE		
Labor force and total employment	150	115
Agriculture	50	40
Nonagricultural employment	150	115
Unemployment	50	55

Table B. Standard error of level of monthly estimates

(In thousands)

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

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes

as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find 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.

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

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 percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D.

Table D. Standard error of percentage

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	
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

Establishment Data

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, job vacancies, 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 job vacancy-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 Job Openings and Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The collecting 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 man-hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and three job vacancy items as of the end of the month: Current job vacancies, (i.e., vacancies available for immediate filling), current vacancies which have remained unfilled for 30 days or more, and openings with future starting dates.

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, job vacancy, 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 reported to work during the period.

Industry hours and earnings

Hours and earnings data are derived from reports of payrolls and man-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 foreman and all nonsupervisory workers (including leadmen and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and watchman 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 foremen, journeymen, 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, repairmen, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aids, teachers, draftsmen, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, linemen, laborers,

janitors, watchmen, 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 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.

Man-hours cover man-hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. The man-hours include 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 amounts 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 has reduced average workweeks in these industries and has 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

This series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as *Employment and Wages* (Manpower Administration), *County Business Patterns* (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*.

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 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 man-hours and one-half of total overtime man-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 man-hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1967 period. The man-hour aggregates are the product of average weekly hours and production-

worker or nonsupervisory worker employment, and the payroll aggregates are the product of man-hour aggregates and average hourly earnings. At all higher levels of aggregation, man-hour and payroll aggregates are the sum of the component aggregates.

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.

Job vacancies

Job vacancies are the stock of unfilled job openings as of the close of the last business day of the reference month. Openings for all kinds of positions, classifications and employment, full time, part time, permanent, temporary, and seasonal are included. Excluded are jobs to be filled by recall from layoff, transfer, promotion, demotion or return from paid or unpaid leave; jobs unoccupied because of labor-management disputes; job openings for which "new" workers were already hired and scheduled to start work later; and openings with future starting dates, which are requested as a separate item.

Job vacancies are defined as vacant jobs which are immediately available for filling, and for which the firm is actively trying to find or recruit workers from outside the firm.

"Actively trying to find or recruit" means that the establishment is engaged in current efforts to fill the job vacancies by means of orders listed with public or private employment agencies and school placement offices; notification to labor unions and professional organizations; "help wanted" advertising (newspaper, posted notice, etc.) recruitment programs; and interview and selection of applicants.

Long-term job vacancies are those current vacancies which have continued unfilled for 30 days or more.

The reporting establishment is also asked to indicate the number of openings with future starting dates for which the firm is actively trying to recruit workers from outside the firm.

Job openings with future starting dates may exist for such reasons as: Job unavailable until expected separation of present incumbent occurs; work will not start until some future date; new branch to be opened in the future; or anticipated increase in business.

The *job vacancy rate* is computed by dividing the number of current job vacancies by the sum of employment plus vacancies, and multiplying that quotient by 100.

Occupational classifications are made in accordance with those established in the *Dictionary of Occupational Titles*, Third Edition, U.S. Department of Labor, 1965.

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 later in table L, Summary of methods for computing industry statistics on employment, hours, earnings, job vacancies, and labor turnover. Further details are given in the technical notes—Chapter 2, Employment, Hours and Earnings, and Chapter 3, Labor Turnover,

reprinted from the *Handbook of Methods for Surveys and Studies*, BLS Bulletin 1458—which are available upon request.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production- or non-supervisory-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 1970 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, covering three-fourths of the total nonagricultural employment in the United States, are prepared under the direction of the Manpower Administration. 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 made in the last 3 benchmark years is shown in table E.

Table E. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1968-1970

Industry division	1968	1969	1970
Total	100.4	99.8	100.0
Mining	101.7	101.5	100.0
Contract construction	99.5	99.0	100.1
Manufacturing	99.8	99.8	100.1
Transportation and public utilities	100.7	100.4	99.9
Wholesale and retail trade	100.3	100.0	100.1
Finance, insurance, and real estate	99.2	100.0	100.3
Services	99.2	99.1	99.6
Government	102.8	100.1	100.3

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.

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 job vacancy-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 specification 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 F 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 F. Approximate size and coverage of BLS employment and payrolls sample, March 1970¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Mining	2,200	301,000	49
Contract construction ...	16,000	778,000	25
Manufacturing	46,000	12,025,000	61
Transportation and public utilities:			
Railroad transportation (ICC)	99	579,000	94
Other transportation and public utilities ...	7,100	2,126,000	56
Wholesale and retail trade, ..	40,000	2,828,000	19
Finance, insurance, and real estate	9,700	1,332,000	36
Services	23,300	2,423,000	21
Government:			
Federal (Civil Service Commission) ²	3,300	2,722,000	100
State and local	9,900	5,350,000	54

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

² State and area estimates of Federal employment are based on reports from a sample of Federal establishments, collected through the BLS—State cooperative program.

Table G shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table G: Approximate size and coverage of BLS job vacancy-labor turnover sample, March 1970

Industry	Employees	
	Number reported	Percent of total
Manufacturing ¹	10,441,100	53
Metal mining	58,200	63
Coal mining	58,100	42
Communication:		
Telephone	736,100	81
Telegraph	22,000	68

¹ Since some establishments do not report the information, job vacancy estimates currently are based on reports from sample establishments covering about 43 percent of universe employment.

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 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, generally minor, arises from improvements in the quality of the benchmark data. Table H presents the average percent revisions of the six most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

Table H. 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. . . . .	.2	0.1	0.2
Mining . . . . .	.8	.5	.5
Construction. . . . .	.7	.2	.3
Manufacturing. . . . .	.3	.1	.1
Durable goods . . . . .	.4	.1	.1
Nondurable goods . . . . .	.3	.1	.1
Transportation and public utilities . . . . .	.3	.7	.4
Trade . . . . .	.3	.1	.2
Wholesale . . . . .	.9	.2	.3
Retail . . . . .	.3	.2	.2
Finance, insurance, and real estate . . . . .	.4	.2	.4
Services . . . . .	.8	.4	.8
Government ³	-	-	-

¹ Relative errors relate to March 1970 data.

² The average percent revision in employment for the 6 most recent benchmarks (1965-70).

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 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 estimated, 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 H and for individual industries with the specified number of employees in table I. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates ($RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}$).

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

Table I. 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	8,100	.4	.8
1,000,000	12,500	.3	.5
2,000,000	16,700	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

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 I.

For the 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 J presents root-mean-square errors of the

Table J. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	700	700
100,000	900	800
200,000	1,900	1,800
500,000	3,200	3,200
1,000,000	5,700	5,500
2,000,000	11,300	11,000
10,000,000	39,300	38,500
Total nonagricultural employment	98,000	91,000

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.

Reliability of job vacancy estimates

As with the employment estimates, the estimates derived from the job vacancy survey 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.

Measures of reliability for the job vacancy estimates are given by the relative errors in table K. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by a smaller percentage than the relative error. The chances are about 19 out of 20 that the difference would be a smaller percentage than twice the relative error.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, job vacancy, 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 fig-

Table K. Relative errors of estimates of job vacancy data

Industry	Relative error ¹ (in percent)
Manufacturing	2
Durable goods industries	3
Nondurable goods industries	3
Selected durable goods industries:	
Primary metal industries	8
Machinery, except electrical	5
Electrical equipment & supplies	9
Transportation equipment	11
Instruments & related products	16
Selected nondurable goods industries:	
Textile mill products	4
Apparel and other textile products	4
Printing & publishing	14
Chemicals & allied products	8

¹ Expressed as a percent of the estimate.

ures 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.

Unemployment Insurance Data

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 who worked in firms whose size excluded them from the unemployment insurance laws, as well as many persons engaged in agriculture, domestic service, unpaid family work, selected nonprofit organizations, 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 continues 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 Manpower Administration, Washington, D.C. 20210.

Seasonal Adjustments

SEASONAL ADJUSTMENTS

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 method used for these series is 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 booklet, *The BLS Seasonal Factor Method* (1966), which may be obtained from the Bureau on request.

For establishment data, the seasonally adjusted series on hours, earnings, and labor turnover rates for industry groupings are computed by applying factors directly to the corresponding unadjusted series. However, seasonally adjusted employment totals for all employees and production workers by industry division are obtained by summing seasonally adjusted data for the component industries. Indexes of aggregate weekly man-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 man-hours, seasonally adjusted, are obtained by summing the aggregate weekly man-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.

The revised seasonally adjusted series for the establishment data reflect experience through May 1971. Seasonal factors to be used for current adjustment are shown in the September 1971 *Employment and Earnings*, and revisions will be made coincidental with the adjustment of series to new benchmark levels.

For each of the three major labor force components—agricultural and nonagricultural employment and unemployment—data for four age-sex groups (male and female workers under age 20 and age 20 and over) are separately adjusted for seasonal variation and are then added to give seasonally adjusted total figures. In order to produce seasonally adjusted total employment and civilian labor force data, the appropriate series are aggregated. The seasonally adjusted rate of unemployment is derived by dividing the seasonally adjusted figure for total unemployment (the sum of four seasonally adjusted age-sex components) by the figure for the seasonally adjusted civilian labor force (the sum of twelve seasonally adjusted age-sex components).

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1970 are published in the February 1971 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

The seasonal adjustment method used by BLS requires the use of at least B years of data, although there are special adjustment programs for as few as 3 years. Since collection of job vacancy information was begun in January 1969, the data necessary to seasonally adjust this series are not yet available. All job vacancy information published in *Employment and Earnings* is, therefore, on an unadjusted basis.

ATTENTION

As discussed in the Technical Note, the Bureau periodically adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours, earnings, job vacancy, and labor turnover series because employment levels are used as weights. Industry data for all national series shown in this report have been adjusted to March 1970 benchmarks. Data from April 1970 forward are subject to revision at the time of the next benchmark.

Beginning with the September 1971 and subsequent issues of

Employment and Earnings, the national data in Sections, B, C, and D supersede those published in previous issues, as well as those appearing in the *Handbook of Labor Statistics, 1971*. Comparable data will be published in *Employment and Earnings, United States, 1909-71*, BLS Bulletin 1312-8.

Beginning with July 1971, job vacancy data have been adjusted to reflect the effects of March 1970 benchmark employment levels and are not strictly comparable with those of earlier months.

Table L. Summary of methods for computing industry statistics on employment, hours, earnings, job vacancies, and labor turnover

Item	Basic estimating cells (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly Data		
All employees . . .	All-employee 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 man-hours divided by number of production or nonsupervisory workers.	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours . . .	Production-worker overtime man-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 man-hours.	Average, weighted by aggregate man-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.
Job vacancy rates . . .	The total number of job vacancies in sample establishments divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.	Sum of the total job vacancies in the component cells, weighted by employment, divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.
Long-term job vacancy rates . . .	The number of long-term job vacancies in sample establishments divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.	Sum of the long-term job vacancies in the component cells, weighted by employment, divided by the sum of total employment plus the total number of job vacancies. The result is multiplied by 100.
Annual Average Data		
All employees and production or non-supervisory workers.	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours . . .	Annual total of aggregate man-hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate man-hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours . . .	Annual total of aggregate overtime man-hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime man-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 man-hours.	Annual total of aggregate payrolls divided by annual aggregate man-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.
Job vacancy rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.