

EMPLOYMENT AND EARNINGS

VOL. 17 NO. 7 JANUARY 1971

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Editors' Note

This issue of *Employment and Earnings* contains 36 tables presenting 1970 annual averages from the household survey. This is an increase of 10 over 1969; the added tables contain data on persons not in the labor force. In addition to annual averages from the household survey, this issue presents 3 tables of preliminary averages for the national establishment series. Final averages in complete industry detail will appear in the March 1971 issue.

CONTENTS

	Page
Employment and unemployment developments, December 1970	2
Charts	7
Statistical tables:	
Monthly	21
Annual averages	114
Quarterly averages—household data	147
Technical note.	162

CALENDAR OF FEATURES								
In addition to the monthly data appearing regularly in <i>Employment and Earnings</i> , special features appear in most of the issues, as shown below:								
Household data	Jan.	Feb.	Mar.	Apr.	May	June	July	Oct.
Annual averages	x							
Revised seasonally adjusted series and current seasonal factors		x						
Quarterly averages	x			x			x	x
Establishment data								
National annual averages:								
Industry divisions (preliminary)	x							
Industry detail (final)			x					
State and area annual averages					x			
Area definitions					x			
National data adjusted to new benchmarks						x		
Revised seasonally adjusted series and current seasonal factors						x		

Employment and Unemployment Developments, December 1970

Unemployment rose slightly in December while total employment remained essentially unchanged. The overall unemployment rate edged up from 5.8 percent in November to 6.0 percent in December, reaching the highest mark in 9 years.

Nonfarm payroll employment (seasonally adjusted) rose by 290,000 in December, reflecting the ending of the automobile strike. A large increase in manufacturing employment more than offset a decline in trade.

Total unemployment

There were 4.6 million unemployed persons in December, the same as in November. After seasonal adjustment, unemployment edged upward slightly, by about 120,000, and the overall unemployment rate moved up to 6.0 percent.

Jobless rates for the major labor force groups showed little change in December, though all have edged up in recent months. The jobless rate for white workers remained at 5.5 percent. The rate for Negroes, on the other hand, returned to its October level of 9.3 percent, after declining slightly in November. Rates for married men (3.3 percent), all adult men

(4.3 percent), adult women (5.7 percent), and teenagers (17.5 percent) were not significantly different from their November levels.

Long-term unemployment continued to rise in December. The number of persons who have been jobless for at least 15 weeks passed 1 million (seasonally adjusted), reaching the highest level since mid-1964. This brought the average duration of unemployment to 9.8 weeks, up from 9.4 weeks in November. However, the December average still remained below the levels of the early and mid-1960's.

Among major industry groups, the unemployment rate for construction workers, at 11.0 percent, was up over the month, after declining sharply in November. In manufacturing, the jobless rate for workers in nondurable goods production climbed from 6.0 to 6.9 percent. For durable goods workers, the rate remained essentially unchanged in December, after rising substantially in recent months. The rate for workers in wholesale and retail trade rose from 6.1 to 6.4 percent, in part a reflection of the relatively low level of hiring for the Christmas season.

Unemployment edged up for white-collar and blue-collar workers in December. With the rate for professional and technical workers

The strike in the automobile industry extended from September 14 to November 23, 1970. The December statistics discussed in this report refer to the week of December 6-12. In the series on nonagricultural payroll employment, striking workers are not on payrolls while on strike and are counted as employed only when they return to their jobs. In the figures on total employment from the household series, on the other hand, strikers are classified as "employed—with a job but not at work" and are not counted as unemployed during the period of the strike. However, workers laid off as a result of the secondary effects of an industrial dispute are counted as unemployed.

climbing from 2.4 to 3.0 percent, the rate for all white-collar workers rose to 3.7 percent in December, its highest level since the series began on a monthly basis in 1958. For blue-collar workers, the unemployment rate increased from 7.3 percent in November to 7.7 percent in December, primarily as a result of an increase among craftsmen.

State insured unemployment

The jobless rate for workers covered by State unemployment insurance programs declined from 4.5 percent to 4.2 percent between November and December. After rising substantially in the previous 2 months as a result of the secondary effects of the auto strike, this rate has now returned to the September pre-strike level. (Figures on State insured unemployment differ from total unemployment in that they include only those jobless persons receiving benefits under State unemployment insurance programs—primarily adult experienced workers. In December 1970, insured unemployment was 45 percent of total unemployment.)

Industry payroll employment

Nonagricultural payroll employment, which usually rises between November and December, was up 675,000 this December to 71.3 million. After seasonal adjustment, payroll employment rose by 290,000, with the increase attributable largely to the ending of the automobile strike.

In manufacturing, employment increased by 375,000 between November and December (seasonally adjusted), as an estimated 300,000 strikers returned to factory payrolls following the conclusion of the strike. The remaining employment pickup in manufacturing was also probably strike related, as some of the workers laid off as a result of the strike were recalled to their jobs. However, manufacturing employment in December was still 370,000 below the pre-strike level of September 1970.

Virtually all of the over-the-month increase in manufacturing occurred in the five durable goods industries most heavily affected by the

strike. Employment rose by 255,000 in transportation equipment, 45,000 in fabricated metals, 40,000 in electrical equipment, 25,000 in primary metals, and 15,000 in machinery. In each of these industries, the employment pickup exceeded the number of strikers who returned to work, as some persons indirectly affected by the strike also returned to their jobs. However, employment in these five industries also remained 260,000 below the September pre-strike levels. In nondurable goods industries, employment remained unchanged for the second straight month.

Employment in contract construction, seasonally adjusted, was unchanged from November at 3.3 million. Employment in the industry has moved up somewhat since September, after declining nearly steadily since March. Over the year, however, construction employment was down by 180,000, or 5.4 percent.

Employment in the service-producing industries declined by 90,000 in December (seasonally adjusted), as small job increases totaling 70,000 in State and local government, services, and finance, insurance, and real estate were more than offset by declines of 100,000 in trade and 50,000 in transportation and public utilities. The December weakness in trade employment (following an 80,000 drop in November) primarily reflected reduced hiring for the Christmas season. The employment decline in transportation and public utilities was principally due to the strike of taxicab drivers in New York City.

Hours of work

Average hours of work in manufacturing edged up 0.1 hour in December to 39.7 hours, seasonally adjusted. This was the third consecutive monthly increase and brought the factory workweek nearly back to the August level, the last month before the artificially low levels caused by the Labor Day holiday, which affected the September data, and the subsequent auto strike. Compared with a year ago, however, the average workweek was down by one hour.

Factory overtime declined by 0.1 hour on a seasonally adjusted basis in December. At 2.6 hours, factory overtime was 0.9 hour below a year ago and at its lowest point since April 1963.

For all production and nonsupervisory workers on nonagricultural payrolls, the average workweek rose seasonally in December; after seasonal adjustment, hours were unchanged at 37.0 hours. Average hours remained 0.2 hour below the August level. Over the year, the workweek for all rank-and-file workers was down by 0.6 hour.

Earnings

Average hourly earnings of production and nonsupervisory workers on private payrolls edged up 1 cent in December to \$3.30. Compared with a year ago, average hourly earnings were up 18 cents, or 5.8 percent. As a result of a slight increase in the average hourly wage and the actual rise in hours, average weekly earnings increased by \$1.03 over the month to \$122.43. Weekly earnings declines in mining, transportation and public utilities, and finance, insurance, and real estate were more than offset by pickups in contract construction,

manufacturing, services, and trade. Compared with December 1969, average weekly earnings have risen by \$4.81, or 4.1 percent.

Over the year ending in November 1970, average weekly earnings rose by 3.4 percent, despite a small decline in the workweek; after adjustment for consumer price changes, however, earnings were down by 2.1 percent.

Civilian labor force and total employment

The civilian labor force, at 83.4 million seasonally adjusted, was unchanged over the month. Total employment was also virtually unchanged. Among men 20 years of age and over, employment declined about 150,000 in December, but the decline was largely offset by a small gain in female and teenage employment.

The number of persons working only part-time because of economic factors rose 190,000 (seasonally adjusted) in December to 2.5 million, the highest level since November 1961.

The Year in Review

The Nation's employment situation in 1970 was affected by the general economic slowdown, the sharp reduction in defense and aerospace activity, and the strike in the automobile industry. Total employment rose by 730,000, but the rise was not enough to absorb the increase in the civilian labor force (nearly 2.0 million). As a consequence, the number of unemployed persons, at 4.1 million in 1970, was up by 1.2 million from 1969, and the annual average unemployment rate increased from 3.5 to 4.9 percent. The following sections describe developments during the year, with special emphasis on the fourth quarter.

Civilian labor force and total employment

The civilian labor force averaged 83.4 million in the fourth quarter of 1970, up 560,000 from the third quarter, after seasonal adjustment. The fourth-quarter increase exceeded

those registered over the 2 preceding quarters but was well below the first quarter pickup (920,000). Total employment, at 78.6 million, remained virtually unchanged for the second straight quarter, after declining 460,000 in the second quarter (but rising 420,000 in the first quarter).

For the year as a whole, the civilian labor force averaged 82.7 million, up nearly 2 million from 1969. A large reduction in the Armed Forces (320,000), along with normal population growth and a further rise in the participation of women in the labor market, contributed to the 1970 increase. Total employment rose by 730,000 to 78.6 million, with almost the entire advance taking place among part-time workers, mostly women. Nonagricultural employment (which includes self-employed, private household, and unpaid family workers, as well as wage and salary workers) rose 870,000, while agricultural employment continued its long-term decline, falling by 140,000.

Unemployment

The number of unemployed persons, at 4.8 million (seasonally adjusted) in the fourth quarter of 1970, was up by 500,000 from the July-September period. The fourth quarter rise in joblessness exceeded the previous quarter's increase (350,000) and approximated the unemployment rises in the second and first quarters of the year (570,000 and 490,000, respectively). The number of persons unemployed for 15 weeks or longer reached 890,000 in the fourth quarter of 1970 (seasonally adjusted), more than double the number a year earlier.

The overall unemployment rate rose to 5.8 percent in the fourth quarter of 1970, after increasing from 3.6 to 5.2 percent over the first 3 quarters. Jobless rates for most groups of workers rose substantially in the last quarter. Unemployment among white-collar workers rose especially sharply, increasing from 2.9 to 3.5 percent, after remaining unchanged between the second and third quarter. Increases occurred among all the major white-collar groups, but were particularly pronounced for professional and clerical workers. The rise in joblessness among these two groups probably reflects the weakness in aerospace employment as well as general efforts by employers to hold down costs by trimming the rolls of non-production workers.

The jobless rate for blue-collar workers rose less rapidly than for white-collar workers in the October-December period, with the advance (from 7.0 to 7.4 percent) concentrated among operatives. Among the industry groups, joblessness for persons last employed in manufacturing continued to rise in the fourth quarter. However, unemployment among construction workers showed signs of improvement in the latter part of 1970, as housing activity began to recover from its slump.

For the year as a whole, overall unemployment averaged 4.1 million, up more than 1 million from 1969 and the highest annual level since 1963. The number of long-term unemployed was up by 290,000 to 660,000, the first rise in the level of long-term unemployment since 1961. The average (mean) duration of

unemployment, however, at 8.8 weeks in 1970, was only about one week higher than in 1969.

The jobless rate averaged 4.9 percent in 1970, well above the 16-year low of 3.5 percent reached in 1969. Unemployment rates rose the most for adult men (from 2.1 to 3.5 percent) and full-time workers (from 3.1 to 4.5 percent). Rates for adult women (4.8 percent) and teenagers (15.3 percent) were also up substantially over the year. Among household heads, both male and female, the jobless rate rose from 1.8 to 2.9 percent.

Although both whites and Negroes experienced higher unemployment in 1970, the increase in the white rate (from 3.1 to 4.5 percent) was proportionately steeper than the increase in the Negro rate (from 6.4 to 8.2 percent). As a result, the ratio of Negro-to-white joblessness fell significantly below 2 to 1 in 1970 for the first time since 1953.

Industry employment and hours

Nonagricultural payroll employment declined for the third consecutive quarter in the October-December period, dropping by 300,000 to 70.2 million (seasonally adjusted). The fourth quarter decline was largely due to the adverse affects of the automobile strike.

In the goods-producing sector, employment fell 600,000, the fifth straight quarterly decline. In contrast, employment in the service-producing sector showed its largest quarterly gain (290,000) since the first quarter of 1970. The fourth quarter increase chiefly reflected employment gains in State and local government and miscellaneous services. Trade employment was unchanged for the third consecutive quarter.

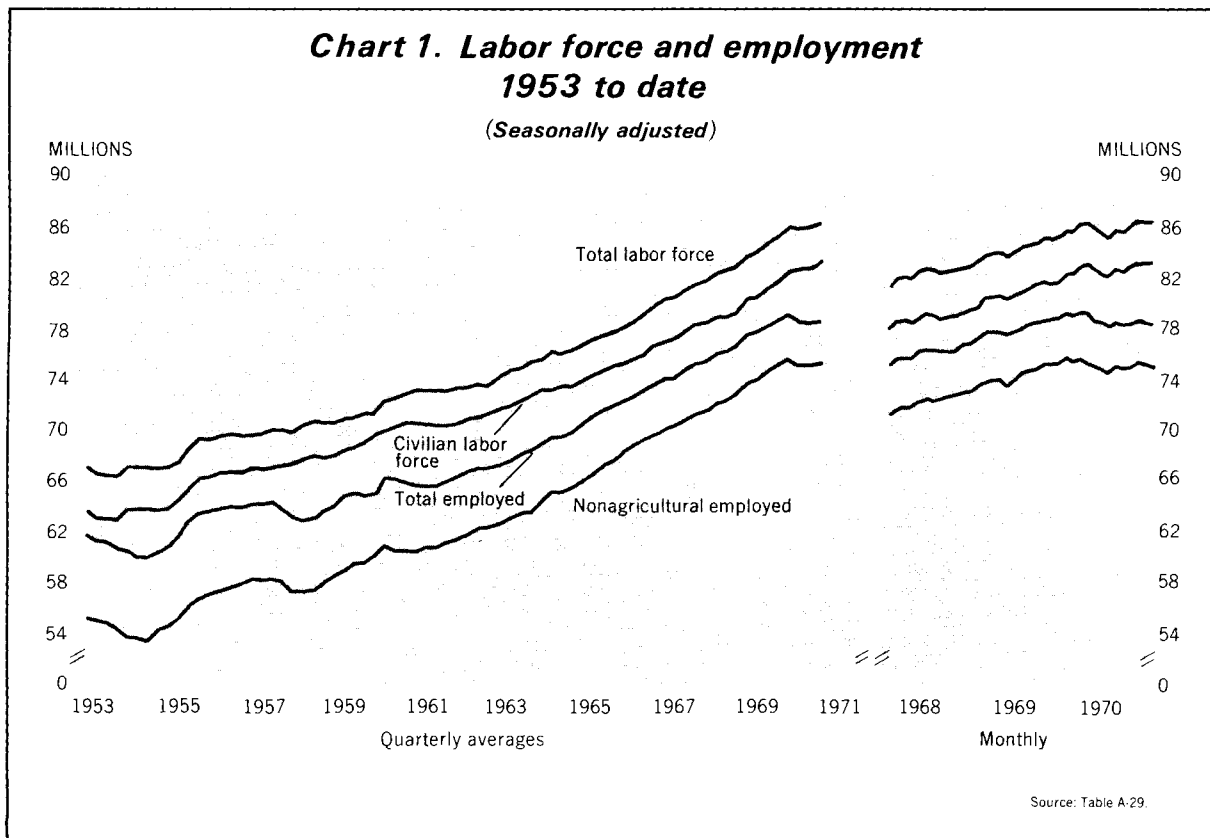
For 1970 as a whole, nonagricultural payroll employment averaged 70.7 million, 400,000 above the 1969 level. This was the smallest year-to-year rise since 1961, when employment actually declined. All of the year's net growth in payroll employment occurred among service-producing industries, which posted an increase of 1,250,000. The largest gains were in State and local government (450,000) and

miscellaneous services (370,000). Goods-producing employment declined by 860,000 in 1970, with the drop concentrated in durable goods (680,000); employment in construction and nondurable goods industries each fell by 90,000 over the year.

The average workweek fell by 0.5 hour in 1970 to 37.2 hours, with the decline widespread among all major industries. In manufacturing, the workweek dropped by 0.8 hour to 39.8 hours and overtime declined to 3.0 hours, its lowest level since 1963.

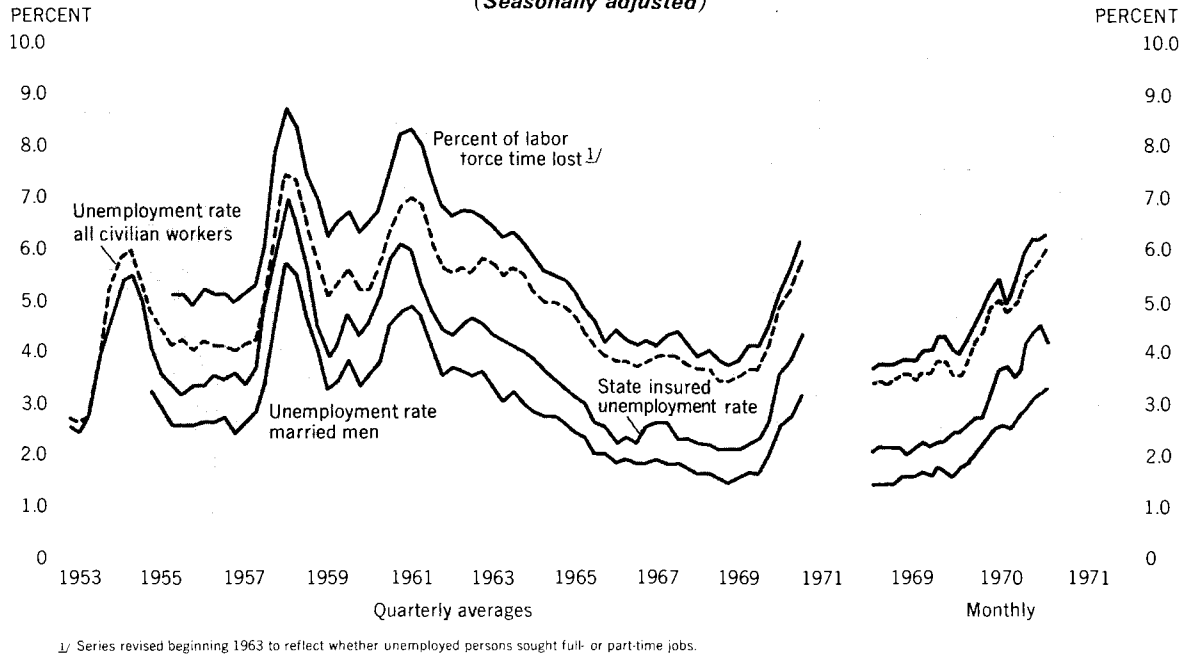
CHARTS

	Page
1. Labor force and employment	7
2. Major unemployment indicators	8
3. Payroll employment in goods- and service-producing industries	8
4. Nonagricultural payroll employment by industry	9
5. Persons at work full and part time in nonagricultural industries	10
6. Employment in nonfarm occupations	11
7. Duration of unemployment	12
8. Unemployment rates by age and sex	13
9. Unemployment rates by color	13
10. Unemployment rates by occupation	14
11. Average weekly hours in private nonagricultural establishments, manufacturing, and trade	15
12. Labor turnover rates in manufacturing	15
13. Indexes of help-wanted advertising and unfilled job openings	16
14. Major compensation trend indicators	17
15. Average weekly earnings in private nonagricultural establishments, manufacturing, and trade	18
16. Average weekly and spendable earnings of production or non- supervisory workers on private nonagricultural payrolls	18
17. Indexes of output per man-hour, hourly compensation, and unit labor costs in private nonfarm economy	19



**Chart 2. Major unemployment indicators
1953 to date**

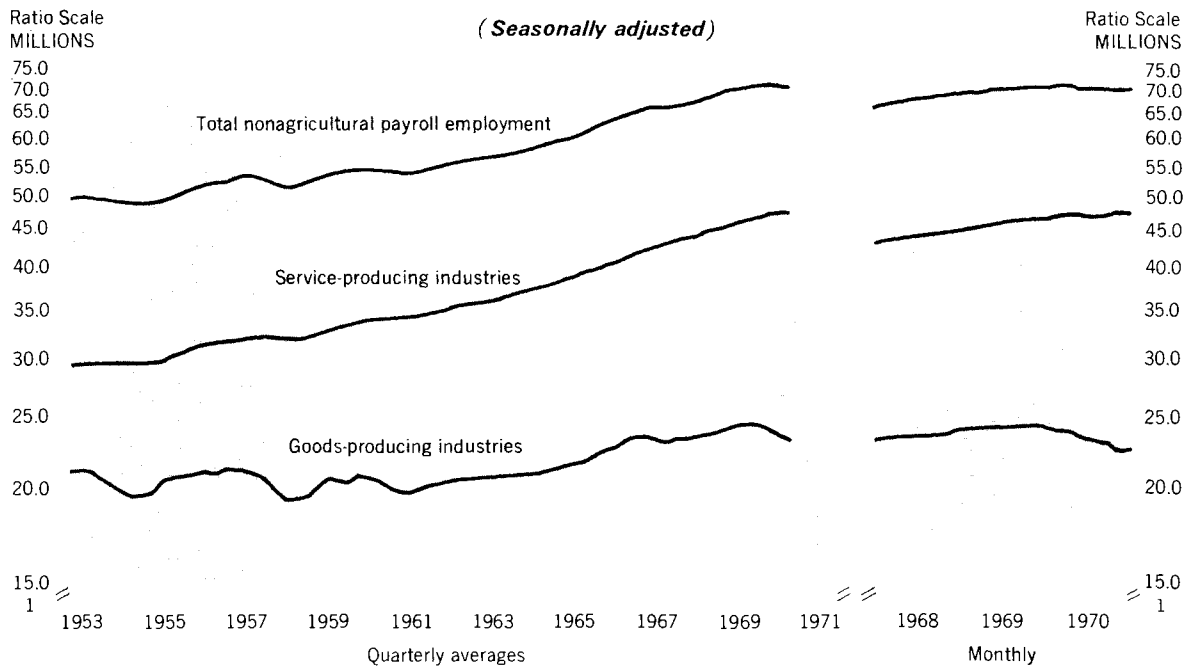
(Seasonally adjusted)



Source: Table A-33.

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

(Seasonally adjusted)



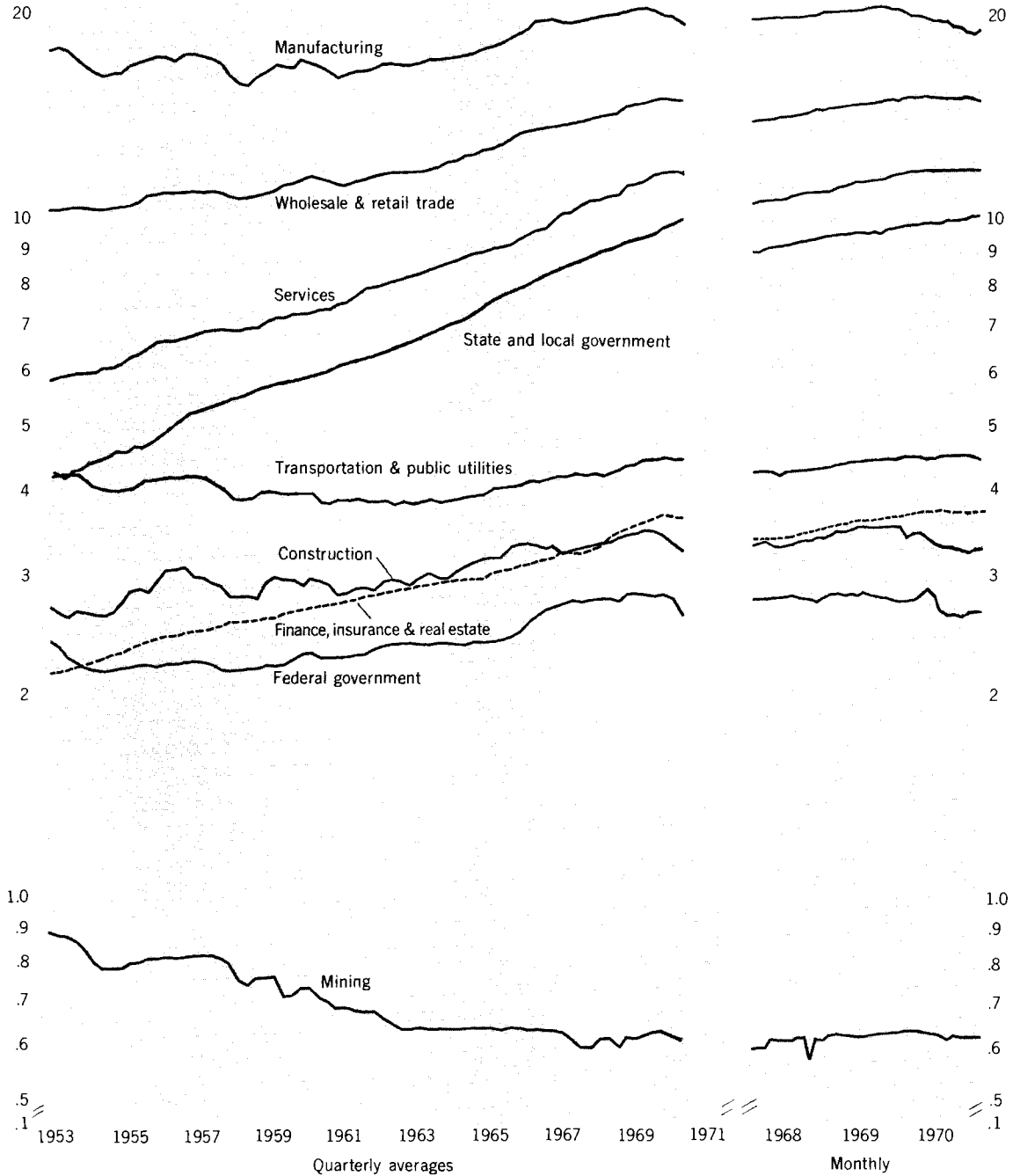
Source: Table B-5.

Chart 4. Nonagricultural payroll employment by industry 1953 to date

Ratio Scale
MILLIONS
30

(Seasonally adjusted)

Ratio Scale
MILLIONS
30



Note: Data for 2 most recent months are preliminary.

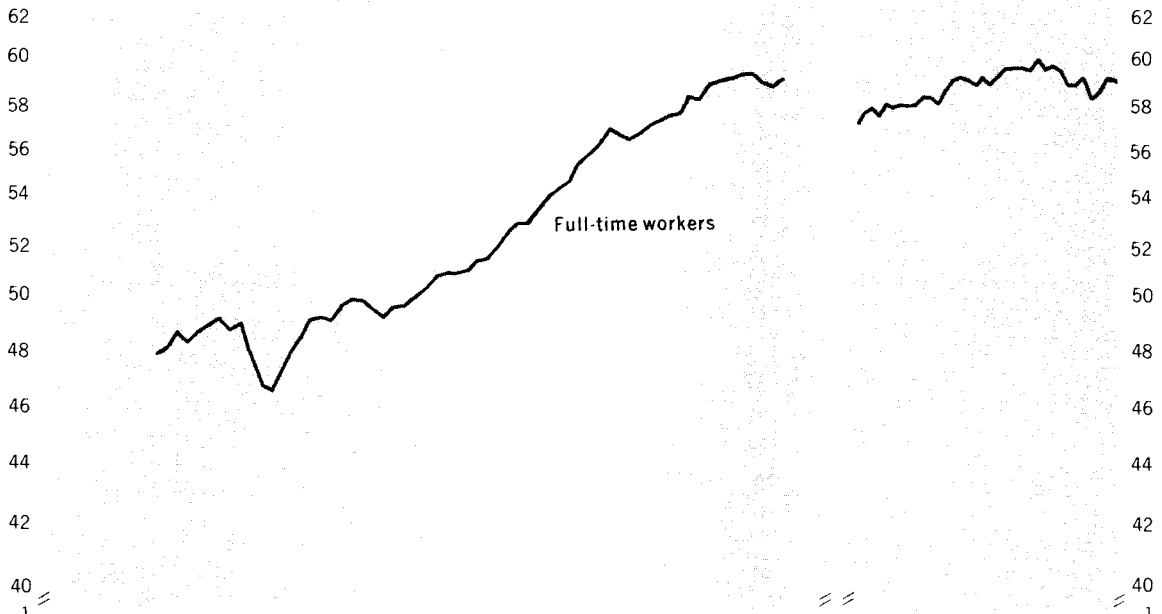
Source: Table B-5.

**Chart 5. Persons at work full and part time
in nonagricultural industries
1955 to date**
(Seasonally adjusted)

Ratio Scale
MILLIONS
64

Full-time schedules

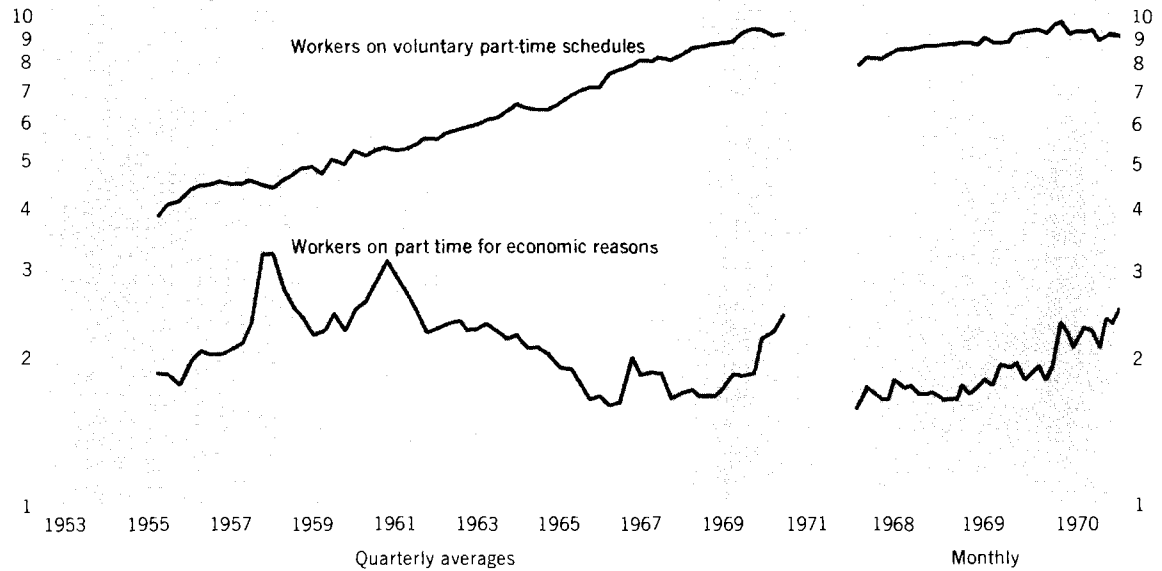
Ratio Scale
MILLIONS
64



Ratio Scale
MILLIONS
20

Part-time schedules

Ratio Scale
MILLIONS
20



Source: Table A-29 and unpublished data.

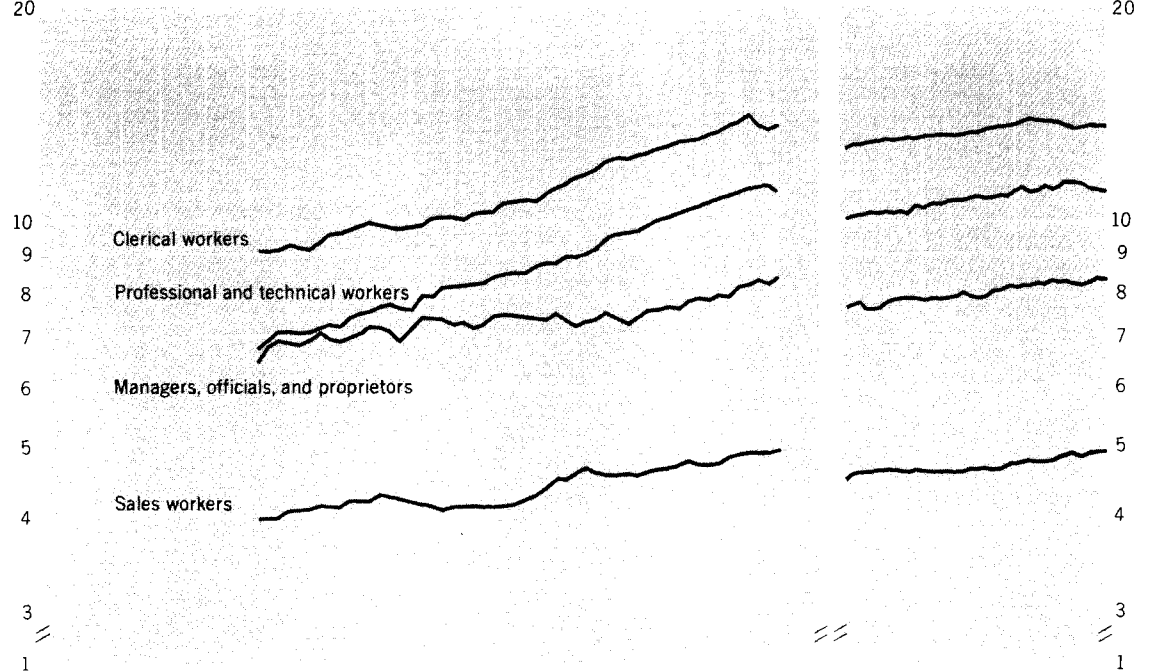
Chart 6. Employment in nonfarm occupations 1958 to date

(Seasonally adjusted)

White-collar workers

Ratio Scale
MILLIONS
20

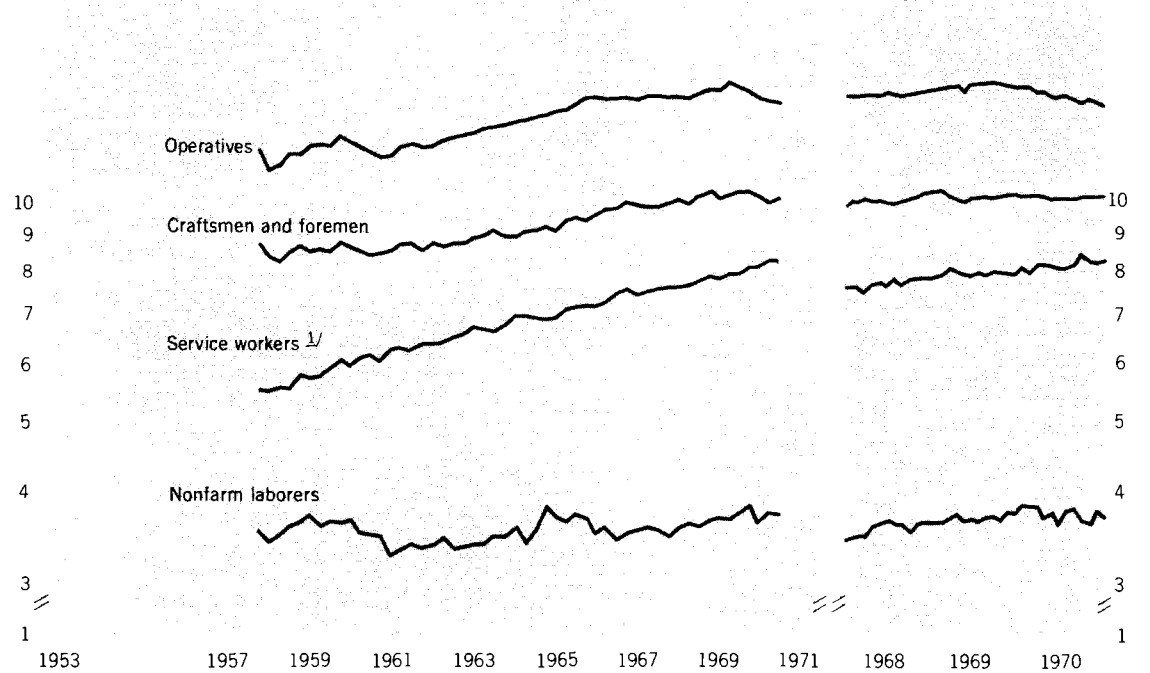
Ratio Scale
MILLIONS
20



Blue-collar and service workers

20

20

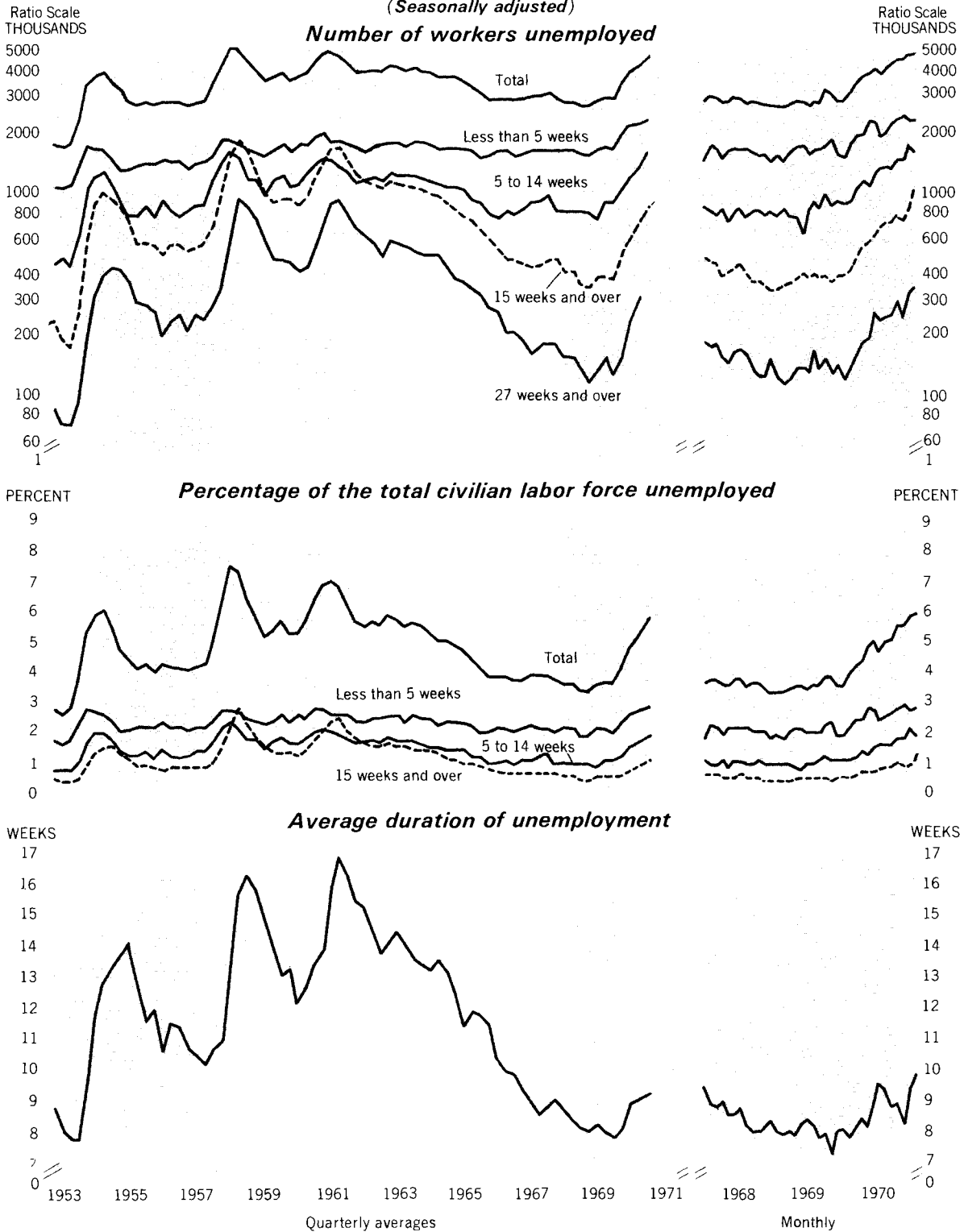


^{1/} Excludes private household workers.

Source: Table A-37.

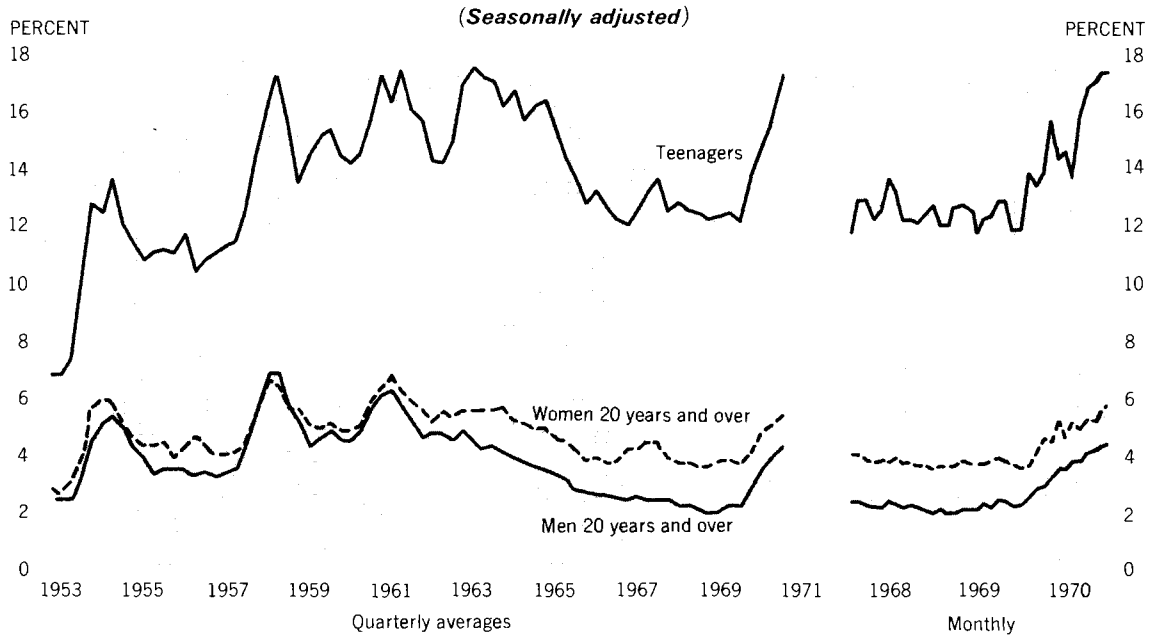
Chart 7. Duration of unemployment 1953 to date

(Seasonally adjusted)



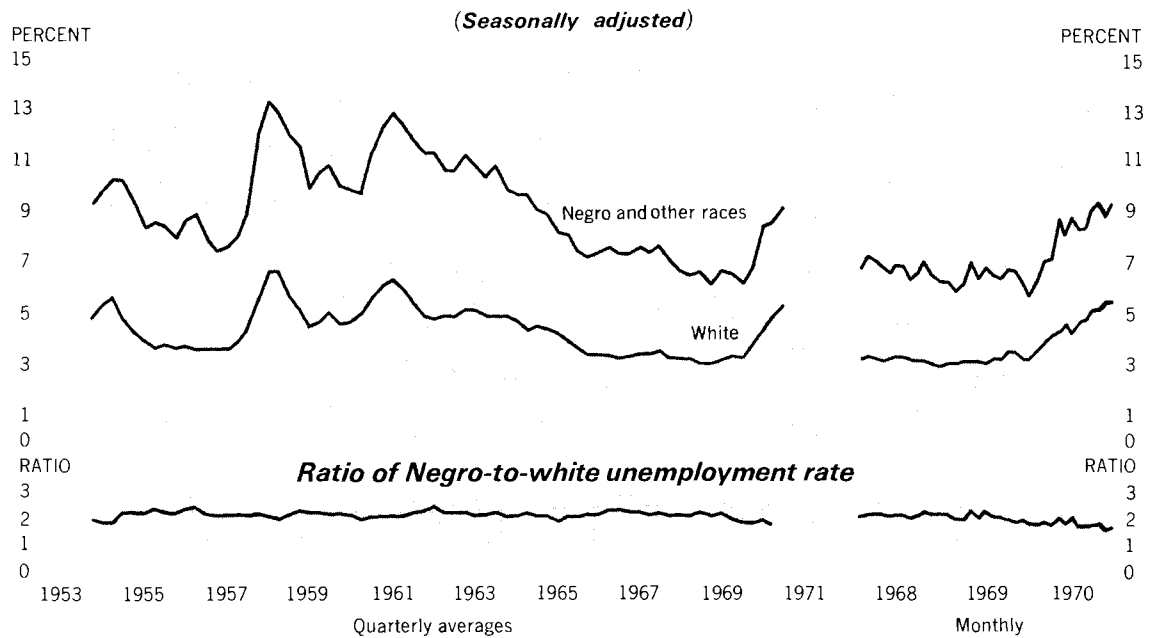
Source: Table A-32.

**Chart 8. Unemployment rates by age and sex
1953 to date**



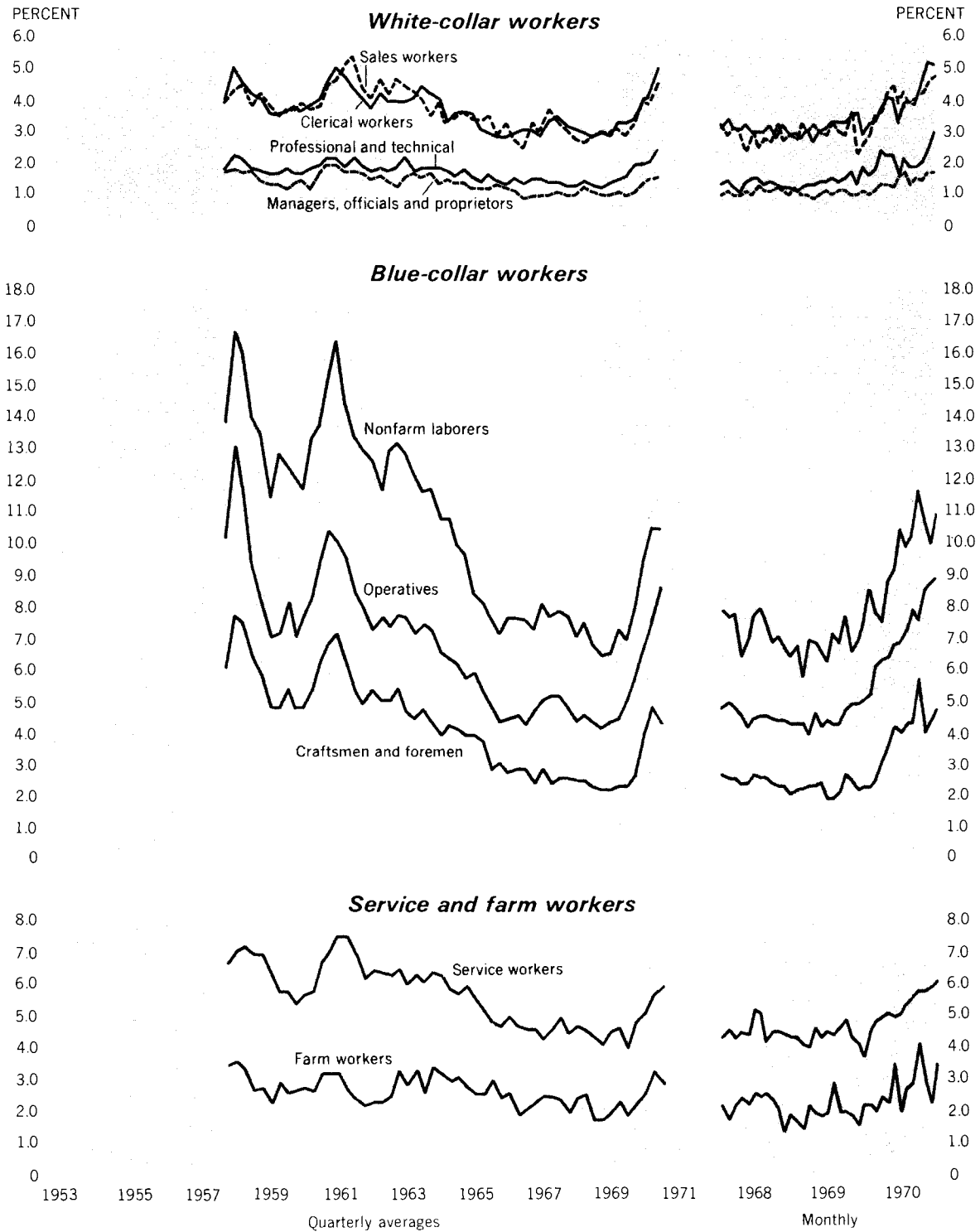
Source: Table A.33.

**Chart 9. Unemployment rates by color
1954 to date**



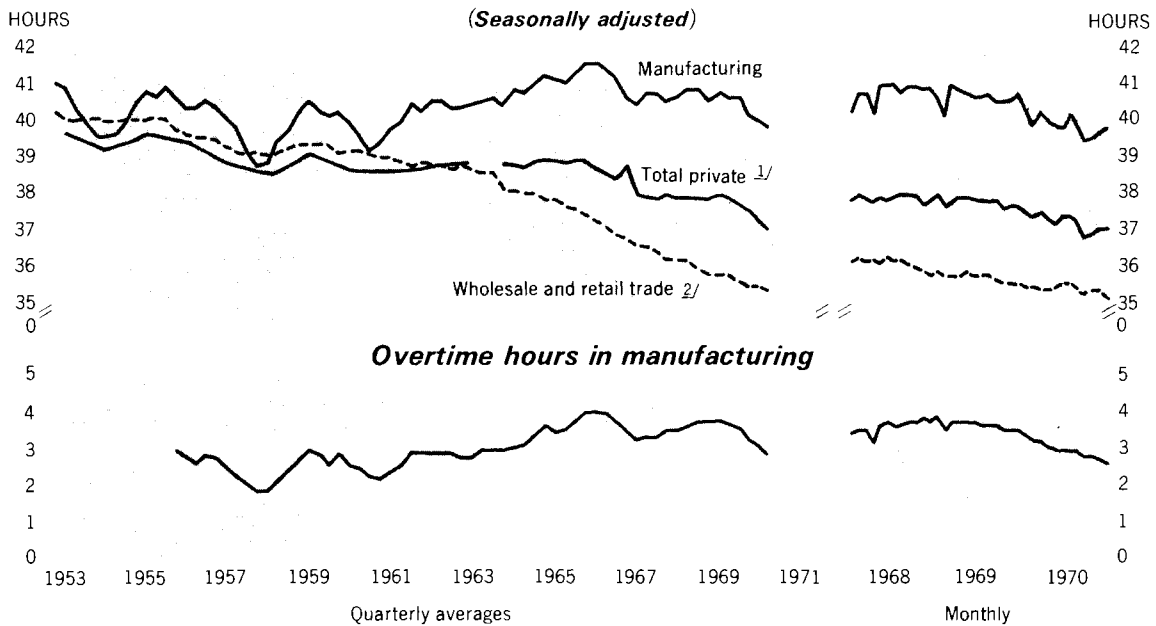
Source: Table A.31.

Chart 10. Unemployment rates by occupation
1958 to date
(Seasonally adjusted)



Source: Table A.33.

**Chart 11. Average weekly hours in private nonagricultural establishments, manufacturing, and trade
1953 to date**



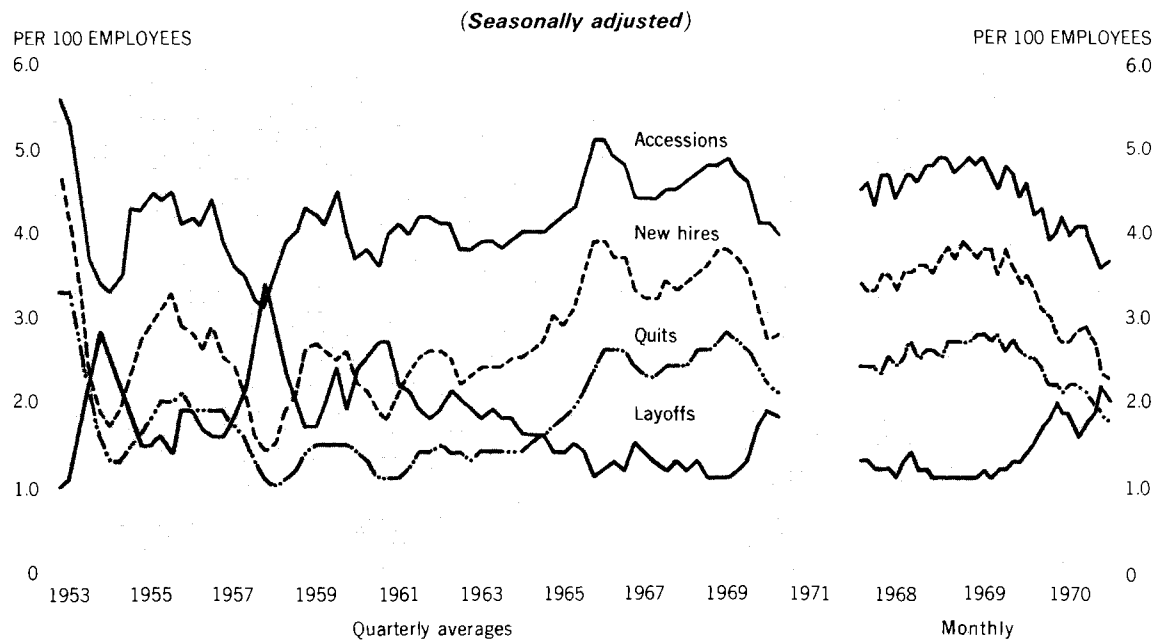
1/ Annual averages prior to 1964.

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-7.

**Chart 12. Labor turnover rates in manufacturing
1953 to date**



Note: Data for current month are preliminary.

Source: Table D-3.

**Chart 13. Indexes of help-wanted advertising and unfilled job openings
1953 to date**

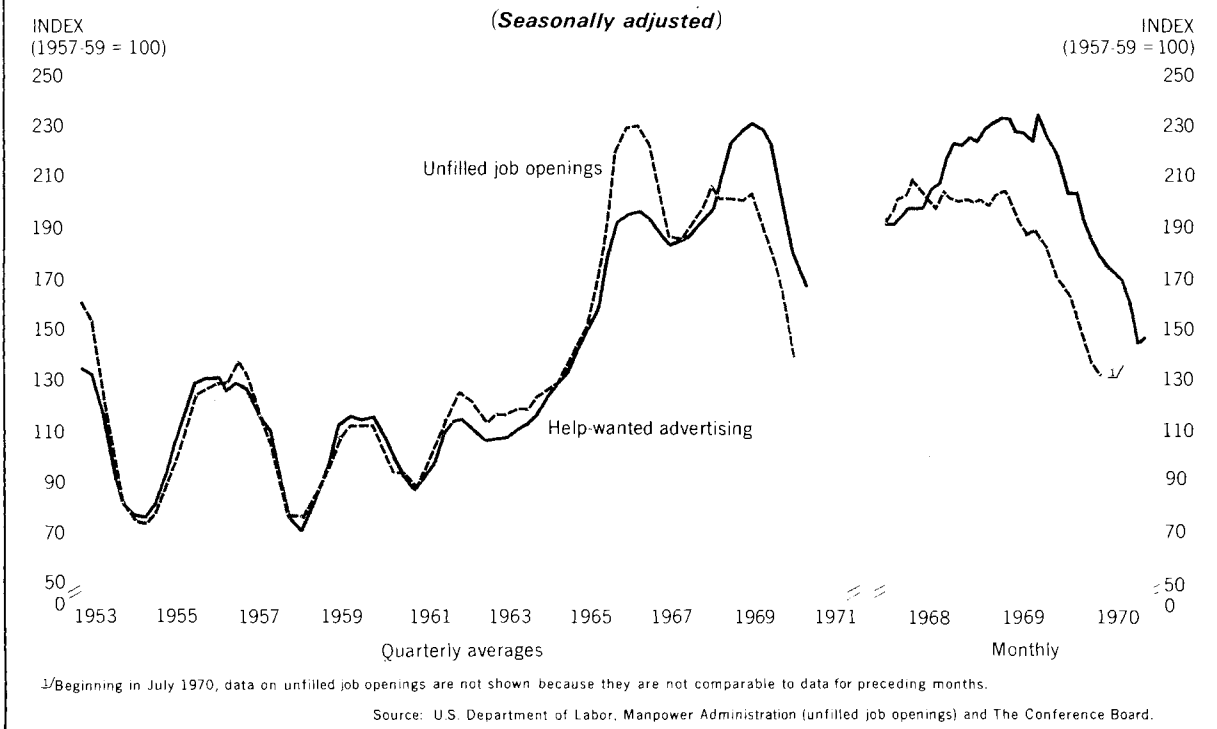


Chart 14. Major compensation trend indicators

1953 to date

(Seasonally adjusted, at annual rates)

PERCENT CHANGE

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

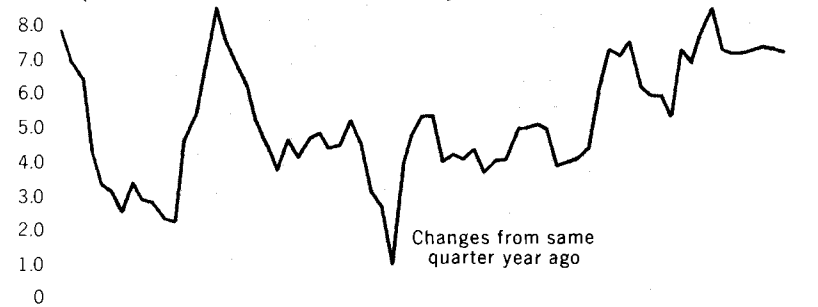
3.0

2.0

1.0

0

Changes in average hourly compensation of all persons (including the self-employed) in the private economy



Changes from same quarter year ago

PERCENT CHANGE

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

Changes from previous quarter

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

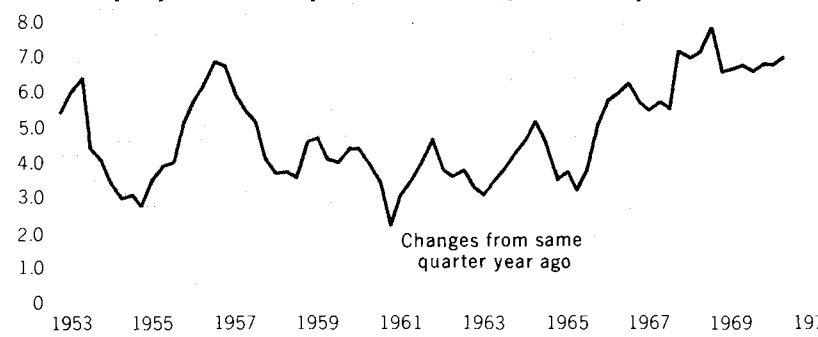
3.0

2.0

1.0

0

Changes in average hourly compensation of all employees in the private nonfarm economy



Changes from same quarter year ago

PERCENT CHANGE

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

Changes from previous quarter

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

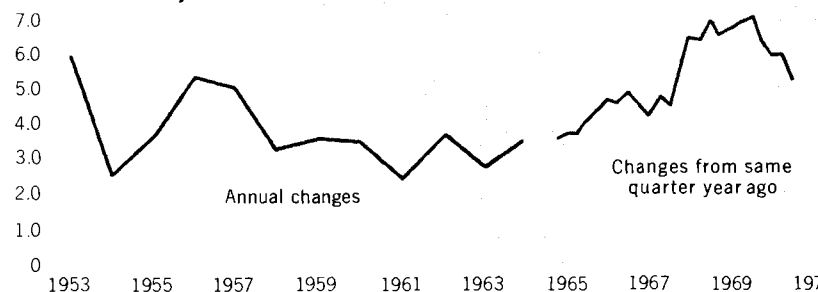
3.0

2.0

1.0

0

Changes in average hourly earnings of production and nonsupervisory employees in the private nonfarm economy



Annual changes

Changes from same quarter year ago

PERCENT CHANGE

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

3.0

2.0

1.0

0

6-month changes (monthly data)

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

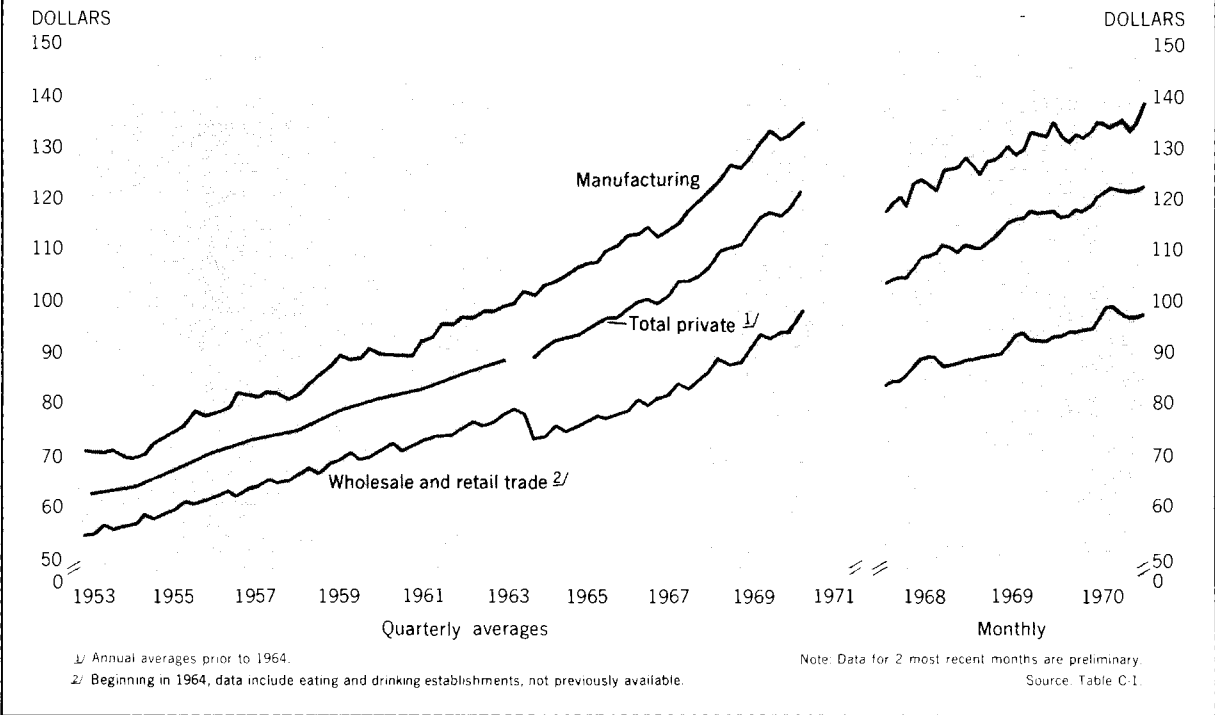


Chart 16. Average weekly and spendable earnings of production or nonsupervisory workers on private nonagricultural payrolls 1953 to date

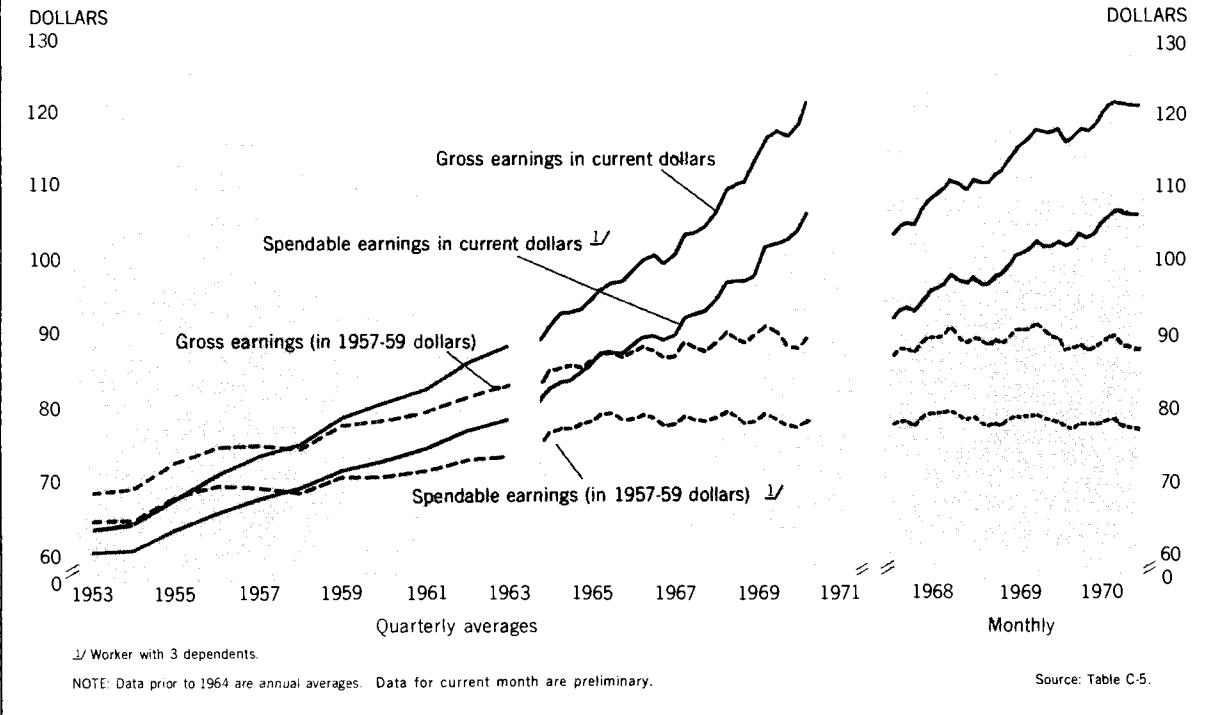
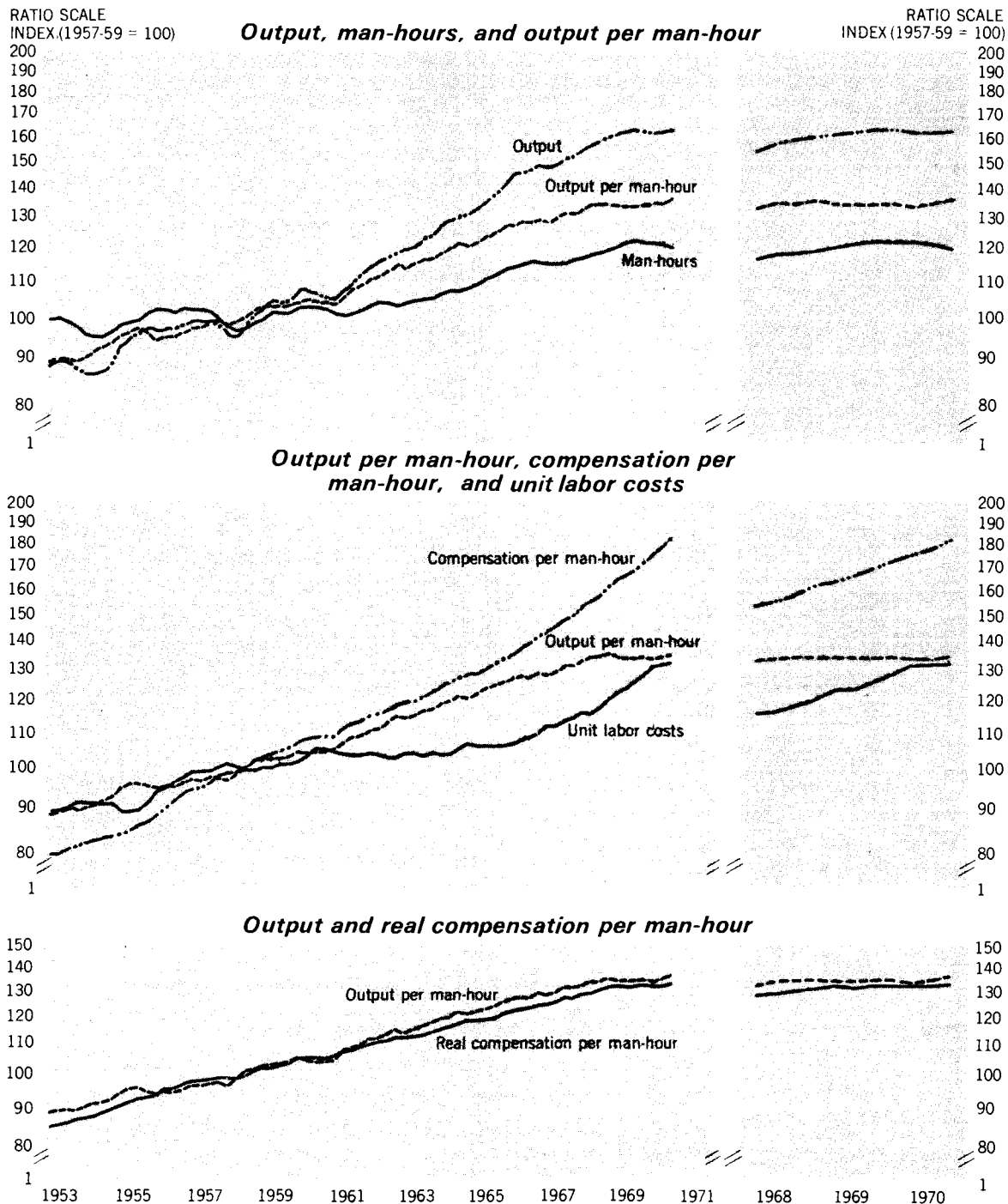


Chart 17. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy
1953 to date

(Seasonally adjusted quarterly averages)



Source: Table C-10.



Q What do these men and women have in common?

management officials librarians business representatives attorneys
 union leaders legislators personnel managers arbitrators
 educators labor reporters
 government officials business editors

A They all depend on the authoritative articles, reports, and statistical tables available exclusively in the **Monthly Labor Review**.

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HOUSEHOLD DATA

Page

Employment Status

A- 1: Employment status of the noninstitutional population, 1929 to date	23
A- 2: Employment status of the noninstitutional population 16 years and over by sex, 1947 to date	24
A- 3: Employment status of the noninstitutional population by sex, age, and color	25
A- 4: Labor force by sex, age, and color	27
A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex	29
A- 6: Employment status of the noninstitutional population 16 years and over by sex, age, and color	29
A- 7: Full- and part-time status of the civilian labor force by age and sex	30

Characteristics of the Unemployed

A- 8: Unemployed persons by sex and age	31
A- 9: Unemployed persons by marital status, sex, age, and color	31
A-10: Unemployed persons by occupation of last job and sex	32
A-11: Unemployed persons by industry of last job and sex	32
A-12: Unemployed persons by reason for unemployment, sex, age, and color	33
A-13: Unemployed persons by reason for unemployment, duration, sex, and age	33
A-14: Unemployed persons by duration of unemployment	34
A-15: Unemployed persons by duration, sex, age, color, and marital status	34
A-16: Unemployed persons by duration, occupation, and industry of last job	35

Characteristics of the Employed

A-17: Employed persons by sex and age	35
A-18: Employed persons by occupation group, sex, and age	36
A-19: Employed persons by major occupation group, sex, and color	37
A-20: Employed persons by class of worker, sex, and age	38
A-21: Employed persons with a job but not at work by reason, pay status, and sex	39
A-22: Persons at work by type of industry and hours of work	39
A-23: Persons at work 1-34 hours by usual status and reason working part-time	40
A-24: Nonagricultural workers by industry and full- or part-time status	40
A-25: Persons at work in nonagricultural industries by full- or part-time status, sex, age, color, and marital status	41
A-26: Persons at work in nonfarm occupations by full- or part-time status and sex	43

Characteristics of 14 and 15 Year-olds

A-27: Employment status of 14-15 year-olds by sex and color	45
A-28: Employed 14-15 year-olds by sex, class of worker, and major occupation group	45

Seasonally Adjusted Employment and Unemployment Data

A-29: Employment status of the noninstitutional population by sex and age, seasonally adjusted	46
A-30: Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted	46
A-31: Employment status by color, sex, and age, seasonally adjusted	47
A-32: Unemployed persons by duration of unemployment, seasonally adjusted	47
A-33: Major unemployment indicators, seasonally adjusted	48
A-34: Rates of unemployment by sex and age, seasonally adjusted	49
A-35: Unemployed persons by reason for unemployment, seasonally adjusted	49
A-36: Employed persons by sex and age, seasonally adjusted	50
A-37: Employed persons by major occupation group, seasonally adjusted	50

MONTHLY TABLES (Continued)

ESTABLISHMENT DATA

	Page
Employment—National	
B-1: Employees on nonagricultural payrolls, by industry division, 1919 to date	51
B-2: Employees on nonagricultural payrolls, by industry	52
B-3: Women employees on nonagricultural payrolls, by industry ¹	-
B-4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted	60
B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted	61
B-6: Production workers in industrial and construction activities, seasonally adjusted	62
Employment—State and Area	
B-7: Employees on nonagricultural payrolls for States and selected areas, by industry division	64
Hours and Earnings—National	
C-1: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, 1947 to date	75
C-2: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry	76
C-3: Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government	88
C-4: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry	88
C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, in current and 1957-59 dollars	89
C-6: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities	89
C-7: Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	90
C-8: Indexes of aggregate weekly man-hours in industrial and construction activities, seasonally adjusted	91
C-9: Man-hours of wage and salary workers in nonagricultural establishments	91
C-10: Output per man-hour, hourly compensation, and unit labor costs, private economy, seasonally adjusted	92
C-11: Four-quarter changes in compensation, seasonally adjusted	93
C-12: Quarter-to-quarter changes in compensation, seasonally adjusted	93
C-13: Twelve-month changes in compensation, seasonally adjusted	94
C-14: Six-month changes in compensation, seasonally adjusted	94
C-15: Average hourly or weekly compensation, seasonally adjusted	95
Hours and Earnings—State and Area	
C-16: Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas	96
Labor Turnover—National	
D-1: Labor turnover rates in manufacturing, 1959 to date	100
D-2: Labor turnover rates, by industry	101
D-3: Labor turnover rates in manufacturing, 1959 to date, seasonally adjusted	106
Labor Turnover—State and Area	
D-4: Labor turnover rates in manufacturing for selected States and areas	107
Job Vacancy—National	
E-1: Number and rate of job vacancies in manufacturing, April 1969 to date	110
E-2: Job vacancy rates in manufacturing, by industry	110
E-3: Percent distribution of job vacancies in manufacturing, by industry	111
Job Vacancy—Area	
E-4: Job vacancy rates in manufacturing, United States and selected areas	111

UNEMPLOYMENT INSURANCE DATA

F-1: Insured unemployment under State programs	112
F-2: Insured unemployment in 150 major labor areas	113

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	Agriculture	Nonagricultural 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)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	55,520	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	-	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	-	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	-	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	-	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	-	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	-	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	-	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	-	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	-	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	-	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	-	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	-	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	-	53,291
1969.....	137,841	84,239	61.1	80,733	77,902	3,606	74,296	2,831	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
1969: December.....	138,928	84,856	61.1	81,416	78,788	2,984	75,805	2,628	3.2	3.5	54,072
1970: March.....	139,497	85,008	60.9	81,690	77,957	3,171	74,786	3,733	4.6	4.4	54,489
April.....	139,687	85,231	61.0	81,960	78,408	3,531	74,877	3,552	4.3	4.8	54,456
May.....	139,884	84,968	60.7	81,741	78,357	3,725	74,632	3,384	4.1	5.0	54,915
June.....	140,046	87,230	62.3	84,050	79,382	4,208	75,174	4,669	5.6	4.7	52,816
July.....	140,259	87,955	62.7	84,801	80,291	4,118	76,173	4,510	5.3	5.0	52,304
August.....	140,468	87,248	62.1	84,115	79,894	3,782	76,112	4,220	5.0	5.1	53,220
September.....	140,675	85,656	60.9	82,547	78,256	3,525	74,730	4,292	5.2	5.5	55,019
October.....	140,886	86,255	61.2	83,175	78,916	3,394	75,522	4,259	5.1	5.6	54,631
November.....	141,091	86,386	61.2	83,347	78,741	3,226	75,515	4,607	5.5	5.8	54,705
December.....	141,301	86,165	61.0	83,152	78,516	2,952	75,564	4,636	5.6	6.0	55,137

¹Not available.

A - 3: Employment status of the noninstitutional population by sex, age, and color
December 1970
(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	54,089	79.6	51,117	48,341	2,776	5.4	13,831	254	4,546	1,454	7,578
16 to 21 years	6,973	62.5	5,786	4,873	913	15.8	4,184	12	3,828	40	305
16 to 19 years	4,160	54.5	3,815	3,147	668	17.5	3,468	9	3,223	24	213
16 and 17 years	1,711	43.6	1,679	1,336	343	20.4	2,211	5	2,118	2	86
18 and 19 years	2,449	66.1	2,136	1,811	325	15.2	1,257	3	1,104	22	128
20 to 64 years	47,861	91.8	45,234	43,233	2,002	4.4	4,288	75	1,323	903	1,986
20 to 24 years	7,402	85.1	5,843	5,263	580	9.9	1,299	3	1,037	34	224
25 to 54 years	33,351	95.8	32,287	31,121	1,166	3.6	1,456	38	284	452	682
25 to 29 years	6,554	95.2	6,174	5,840	335	5.4	329	--	197	32	101
30 to 34 years	5,533	97.8	5,273	5,076	197	3.7	126	10	27	34	56
35 to 39 years	5,230	97.2	4,983	4,814	169	3.4	151	4	23	55	70
40 to 44 years	5,523	96.5	5,411	5,239	171	3.2	201	6	15	79	100
45 to 49 years	5,576	95.3	5,532	5,379	153	2.8	276	2	15	98	161
50 to 54 years	4,934	93.0	4,914	4,772	142	2.9	373	16	7	155	195
55 to 64 years	7,108	82.3	7,104	6,848	256	3.6	1,533	34	3	416	1,079
55 to 59 years	4,216	89.0	4,213	4,057	156	3.7	523	13	2	201	308
60 to 64 years	2,891	74.1	2,891	2,791	100	3.4	1,010	21	1	216	772
65 years and over	2,067	25.4	2,067	1,961	106	5.1	6,075	170	--	527	5,379
65 to 69 years	1,235	39.9	1,235	1,150	85	6.9	1,860	34	--	150	1,676
70 years and over	832	16.5	832	811	21	2.5	4,216	136	--	377	3,703
White											
16 years and over	48,603	80.0	45,960	43,617	2,344	5.1	12,129	214	3,917	1,179	6,819
16 to 21 years	6,146	63.5	5,091	4,348	743	14.6	3,535	5	3,272	30	227
16 to 19 years	3,705	56.0	3,397	2,838	558	16.4	2,906	5	2,729	15	157
16 and 17 years	1,547	45.6	1,518	1,230	288	19.0	1,844	5	1,770	--	69
18 and 19 years	2,158	67.0	1,878	1,608	270	14.4	1,062	--	959	15	88
20 to 64 years	43,005	92.1	40,671	38,980	1,691	4.2	3,664	58	1,188	726	1,693
20 to 24 years	6,499	85.1	5,102	4,630	471	9.2	1,141	--	935	26	181
25 to 54 years	30,007	96.3	29,074	28,077	996	3.4	1,154	25	251	340	539
25 to 34 years	10,769	96.7	10,209	9,772	436	4.3	366	7	197	44	118
35 to 44 years	9,669	97.3	9,355	9,063	292	3.1	264	5	35	93	132
45 to 54 years	9,569	94.8	9,510	9,242	268	2.8	524	13	19	203	288
55 to 64 years	6,499	82.6	6,495	6,272	223	3.4	1,369	34	2	360	973
55 to 59 years	3,858	89.6	3,855	3,723	132	3.4	448	12	1	169	265
60 to 64 years	2,641	74.1	2,640	2,549	91	3.4	921	22	1	191	708
65 years and over	1,893	25.4	1,893	1,798	95	5.0	5,559	152	--	438	4,969
Negro and other races											
16 years and over	5,486	76.3	5,156	4,724	432	8.4	1,702	39	629	275	759
16 to 21 years	827	56.0	696	525	170	24.5	650	7	556	9	78
16 to 19 years	455	44.7	418	309	110	26.2	563	4	493	9	56
16 and 17 years	164	30.8	161	106	55	34.0	367	--	348	2	17
18 and 19 years	292	59.9	258	203	55	21.4	195	4	145	7	40
20 to 64 years	4,856	88.6	4,564	4,253	311	6.8	624	18	135	177	294
20 to 24 years	903	85.1	741	633	108	14.6	158	5	102	8	43
25 to 54 years	3,344	91.7	3,213	3,043	170	5.3	302	13	33	113	144
25 to 34 years	1,319	93.6	1,239	1,143	95	7.7	89	4	26	21	38
35 to 44 years	1,085	92.5	1,039	991	48	4.6	88	5	4	41	38
45 to 54 years	941	88.3	936	909	27	2.9	125	5	2	50	68
55 to 64 years	609	78.8	609	576	32	5.3	164	--	1	57	106
55 to 59 years	358	82.6	358	334	24	6.6	75	--	1	31	42
60 to 64 years	251	73.9	251	242	9	3.5	89	--	--	25	64
65 years and over	174	25.2	174	163	11	6.3	516	18	--	89	409

HOUSEHOLD DATA

A- 3: Employment status of the noninstitutional population by sex, age, and color--Continued
December 1970
(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	32,076	43.7	32,035	30,175	1,860	5.8	41,305	34,875	4,270	865	1,296
16 to 21 years	5,157	47.0	5,137	4,518	619	12.0	5,805	1,723	3,896	10	176
16 to 19 years	3,117	41.7	3,107	2,646	462	14.9	4,360	837	3,390	5	128
16 and 17 years	1,237	32.2	1,237	1,030	208	16.8	2,601	206	2,333	2	59
18 and 19 years	1,879	51.7	1,870	1,616	254	13.6	1,759	631	1,056	3	68
20 to 64 years	27,850	50.7	27,819	26,460	1,360	4.9	27,026	25,283	872	286	586
20 to 24 years	5,013	58.0	4,994	4,647	347	6.9	3,631	2,852	662	18	98
25 to 54 years	18,621	51.0	18,609	17,707	902	4.8	17,881	17,226	202	135	318
25 to 29 years	3,200	45.8	3,195	3,010	185	5.8	3,782	3,617	77	16	72
30 to 34 years	2,682	45.9	2,680	2,521	159	5.9	3,159	3,060	37	10	52
35 to 39 years	2,849	51.0	2,848	2,700	148	5.2	2,738	2,636	33	16	52
40 to 44 years	3,227	53.5	3,225	3,055	170	5.3	2,807	2,712	28	25	43
45 to 49 years	3,496	55.6	3,495	3,351	144	4.1	2,793	2,704	19	25	45
50 to 54 years	3,167	54.9	3,166	3,069	97	3.1	2,602	2,497	8	43	54
55 to 64 years	4,217	43.3	4,216	4,106	110	2.6	5,514	5,205	7	132	170
55 to 59 years	2,570	49.1	2,570	2,495	75	2.9	2,667	2,525	1	58	83
60 to 64 years	1,647	36.6	1,647	1,611	35	2.1	2,847	2,680	6	75	86
65 years and over	1,109	10.1	1,109	1,069	39	3.5	9,919	8,755	8	574	582
65 to 69 years	667	17.8	667	636	31	4.6	3,084	2,884	2	83	116
70 years and over	442	6.1	442	433	9	2.0	6,835	5,871	7	491	466
White											
16 years and over	28,092	43.1	28,056	26,551	1,504	5.4	37,061	31,667	3,588	711	1,095
16 to 21 years	4,594	48.7	4,577	4,098	479	10.5	4,839	1,430	3,283	8	118
16 to 19 years	2,810	43.7	2,802	2,437	365	13.0	3,619	679	2,850	3	86
16 and 17 years	1,131	34.3	1,131	956	176	15.5	2,163	164	1,959	1	39
18 and 19 years	1,678	53.6	1,670	1,481	189	11.3	1,456	515	891	3	47
20 to 64 years	24,277	50.0	24,249	23,145	1,104	4.6	24,288	22,864	730	220	474
20 to 24 years	4,370	58.1	4,353	4,104	249	5.7	3,148	2,504	567	15	63
25 to 54 years	16,096	50.0	16,085	15,330	755	4.7	16,119	15,600	157	106	257
25 to 34 years	4,963	44.2	4,956	4,680	276	5.6	6,260	6,059	88	23	90
35 to 44 years	5,233	51.3	5,229	4,961	269	5.1	4,961	4,800	49	30	81
45 to 54 years	5,901	54.6	5,899	5,689	210	3.6	4,899	4,740	20	53	86
55 to 64 years	3,812	43.2	3,811	3,711	100	2.6	5,019	4,760	7	98	154
55 to 59 years	2,315	48.9	2,315	2,248	67	2.9	2,416	2,299	1	44	73
60 to 64 years	1,497	36.5	1,497	1,463	33	2.2	2,603	2,461	6	55	81
65 years and over	1,005	9.9	1,005	969	36	3.5	9,155	8,124	8	488	535
Negro and other races											
16 years and over	3,984	48.4	3,979	3,624	356	8.9	4,244	3,208	681	154	201
16 to 21 years	563	36.8	561	421	140	25.0	966	293	613	3	57
16 to 19 years	307	29.3	306	209	97	31.7	741	158	540	2	41
16 and 17 years	106	19.5	106	74	32	30.2	438	42	374	1	20
18 and 19 years	201	39.8	200	135	65	32.5	303	116	166	--	21
20 to 64 years	3,573	56.6	3,570	3,315	255	7.1	2,739	2,420	140	66	112
20 to 24 years	643	57.1	641	543	98	15.3	483	349	95	3	35
25 to 54 years	2,525	58.9	2,524	2,377	147	5.8	1,762	1,626	46	29	61
25 to 34 years	919	57.4	919	851	67	7.3	681	617	26	4	35
35 to 44 years	844	59.1	844	795	49	5.8	584	547	12	11	14
45 to 54 years	762	60.6	762	731	31	4.1	496	461	8	15	13
55 to 64 years	405	45.0	405	395	10	2.4	495	445	--	34	16
55 to 59 years	255	50.4	255	247	8	3.0	251	226	--	14	11
60 to 64 years	150	38.1	150	148	2	1.4	244	219	--	20	5
65 years and over	104	12.0	104	100	4	3.5	764	630	1	86	47

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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
MALE								
16 years and over	54,089	53,401	79.6	79.9	51,117	50,000	78.7	78.8
16 to 19 years	4,160	4,016	54.5	54.1	3,815	3,571	52.4	51.2
16 and 17 years	1,711	1,605	43.6	42.0	1,679	1,563	43.2	41.4
18 and 19 years	2,449	2,411	66.1	67.0	2,136	2,007	62.9	62.8
20 to 24 years	7,402	7,038	85.1	84.5	5,843	5,257	81.8	80.3
25 to 54 years	33,351	33,144	95.8	96.0	32,287	31,973	95.7	95.9
25 to 34 years	12,087	11,772	96.4	96.3	11,447	11,050	96.2	96.1
35 to 44 years	10,754	10,892	96.8	97.0	10,393	10,521	96.7	96.9
45 to 54 years	10,510	10,479	94.2	94.6	10,447	10,402	94.2	94.5
55 to 64 years	7,108	7,113	82.3	83.3	7,104	7,109	82.2	83.3
55 to 59 years	4,216	4,217	89.0	89.9	4,213	4,214	89.0	89.9
60 to 64 years	2,891	2,896	74.1	75.3	2,891	2,895	74.1	75.3
65 years and over	2,067	2,091	25.4	26.0	2,067	2,091	25.4	26.0
White								
16 years and over	48,603	47,998	80.0	80.2	45,960	44,958	79.1	79.1
16 to 19 years	3,705	3,548	56.0	55.1	3,397	3,154	53.9	52.2
16 and 17 years	1,547	1,442	45.6	43.6	1,518	1,406	45.2	42.9
18 and 19 years	2,158	2,106	67.0	67.4	1,878	1,747	63.9	63.2
20 to 24 years	6,499	6,198	85.1	84.5	5,102	4,589	81.7	80.2
25 to 54 years	30,007	29,825	96.3	96.4	29,074	28,790	96.2	96.3
25 to 34 years	10,769	10,500	96.7	96.6	10,209	9,863	96.5	96.4
35 to 44 years	9,669	9,798	97.3	97.5	9,355	9,472	97.3	97.4
45 to 54 years	9,569	9,527	94.8	95.0	9,510	9,455	94.8	95.0
55 to 64 years	6,499	6,510	82.6	83.8	6,495	6,507	82.6	83.8
55 to 59 years	3,858	3,853	89.6	90.5	3,855	3,850	89.6	90.4
60 to 64 years	2,641	2,657	74.1	75.7	2,640	2,656	74.1	75.7
65 years and over	1,893	1,918	25.4	26.0	1,893	1,918	25.4	26.0
Negro and other races								
16 years and over	5,486	5,403	76.3	77.2	5,156	5,043	75.2	76.0
16 to 19 years	455	468	44.7	47.6	418	417	42.7	44.8
16 and 17 years	164	163	30.8	32.1	161	157	30.5	31.2
18 and 19 years	292	305	59.9	64.3	258	260	56.9	60.6
20 to 24 years	903	840	85.1	84.6	741	667	82.4	81.3
25 to 54 years	3,344	3,319	91.7	92.7	3,213	3,182	91.4	92.4
25 to 34 years	1,319	1,272	93.6	93.8	1,239	1,186	93.3	93.4
35 to 44 years	1,085	1,095	92.5	93.4	1,039	1,049	92.2	93.1
45 to 54 years	941	952	88.3	90.6	936	947	88.3	90.5
55 to 64 years	609	603	78.8	78.8	609	603	78.8	78.8
55 to 59 years	358	364	82.6	84.7	358	364	82.6	84.7
60 to 64 years	251	239	73.9	71.2	251	239	73.9	71.2
65 years and over	174	173	25.2	25.5	174	173	25.2	25.5

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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
FEMALE								
16 years and over	32,076	31,455	43.7	43.6	32,035	31,415	43.7	43.6
16 to 19 years	3,117	3,196	41.7	44.0	3,107	3,187	41.6	43.9
16 and 17 years	1,237	1,313	32.2	35.2	1,237	1,313	32.2	35.2
18 and 19 years	1,879	1,883	51.7	53.3	1,870	1,873	51.5	53.2
20 to 24 years	5,013	4,763	58.0	57.5	4,994	4,745	57.9	57.4
25 to 54 years	18,621	18,359	51.0	50.7	18,609	18,348	51.0	50.7
25 to 34 years	5,882	5,671	45.9	45.4	5,875	5,665	45.8	45.3
35 to 44 years	6,077	6,097	52.3	51.9	6,073	6,094	52.3	51.8
45 to 54 years	6,663	6,591	55.3	55.2	6,661	6,589	55.2	55.2
55 to 64 years	4,217	4,084	43.3	42.7	4,216	4,085	43.3	42.7
55 to 59 years	2,570	2,519	49.1	48.9	2,570	2,519	49.1	48.9
60 to 64 years	1,647	1,565	36.6	35.6	1,647	1,565	36.6	35.6
65 years and over	1,109	1,051	10.1	9.8	1,109	1,051	10.1	9.8
White								
16 years and over	28,092	27,473	43.1	42.9	28,056	27,439	43.1	42.8
16 to 19 years	2,810	2,868	43.7	45.9	2,802	2,860	43.6	45.8
16 and 17 years	1,131	1,205	34.3	37.5	1,131	1,205	34.3	37.5
18 and 19 years	1,678	1,663	53.6	54.7	1,670	1,654	53.4	54.6
20 to 24 years	4,370	4,134	58.1	57.2	4,353	4,118	58.0	57.1
25 to 54 years	16,096	15,838	50.0	49.5	16,085	15,828	49.9	49.5
25 to 34 years	4,963	4,779	44.2	43.6	4,956	4,773	44.2	43.6
35 to 44 years	5,233	5,241	51.3	50.7	5,229	5,238	51.3	50.7
45 to 54 years	5,901	5,818	54.6	54.3	5,899	5,816	54.6	54.3
55 to 64 years	3,812	3,664	43.2	42.2	3,811	3,664	43.2	42.2
55 to 59 years	2,315	2,256	48.9	48.4	2,315	2,256	48.9	48.4
60 to 64 years	1,497	1,407	36.5	35.0	1,497	1,407	36.5	35.0
65 years and over	1,005	970	9.9	9.8	1,005	970	9.9	9.8
Negro and other races								
16 years and over	3,984	3,981	48.4	49.9	3,979	3,977	48.4	49.8
16 to 19 years	307	329	29.3	32.5	306	327	29.2	32.4
16 and 17 years	106	108	19.5	20.8	106	108	19.5	20.8
18 and 19 years	201	220	39.8	44.9	200	219	39.7	44.8
20 to 24 years	643	629	57.1	59.7	641	627	57.0	59.6
25 to 54 years	2,525	2,521	58.9	60.0	2,524	2,520	58.9	60.0
25 to 34 years	919	892	57.4	57.8	919	891	57.4	57.8
35 to 44 years	844	856	59.1	60.1	844	856	59.1	60.1
45 to 54 years	762	773	60.6	62.7	762	773	60.6	62.7
55 to 64 years	405	421	45.0	48.0	405	421	45.0	48.0
55 to 59 years	255	263	50.4	53.1	255	263	50.4	53.1
60 to 64 years	150	158	38.1	41.4	150	158	38.1	41.4
65 years and over	104	81	12.0	9.7	104	81	12.0	9.7

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex

December 1970
(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	22,120	11,158	10,962	19,113	9,681	9,433	3,006	1,477	1,529
Total labor force	12,130	6,973	5,157	10,740	6,146	4,594	1,390	827	563
Percent of population	54.8	62.5	47.0	56.2	63.5	48.7	46.3	56.0	36.8
Civilian labor force	10,923	5,786	5,137	9,667	5,091	4,577	1,256	696	561
Employed	9,391	4,873	4,518	8,446	4,348	4,098	946	525	421
Agriculture	328	291	38	284	246	37	45	44	1
Nonagricultural industries	9,063	4,582	4,481	8,162	4,101	4,061	901	481	420
Unemployed	1,532	913	619	1,221	743	479	310	170	140
Percent of labor force	14.0	15.8	12.0	12.6	14.6	10.5	24.7	24.5	25.0
Looking for full-time work	830	501	329	641	396	245	188	105	84
Looking for part-time work	702	412	290	580	347	234	122	66	56
Not in labor force	9,989	4,184	5,805	8,374	3,535	4,839	1,616	650	966
Major activity: going to school									
Civilian labor force	3,602	2,059	1,544	3,294	1,891	1,403	308	167	141
Employed	2,954	1,652	1,302	2,758	1,550	1,208	196	102	94
Agriculture	106	91	16	101	87	15	5	4	1
Nonagricultural industries	2,848	1,561	1,286	2,657	1,463	1,194	191	98	93
Unemployed	649	407	241	536	342	194	112	65	47
Percent of labor force	18.0	19.8	15.6	16.3	18.1	13.9	36.4	38.9	33.4
Looking for full-time work	53	41	12	41	34	7	12	7	5
Looking for part-time work	596	367	229	495	308	187	100	58	42
Not in labor force	7,724	3,828	3,896	6,555	3,272	3,283	1,169	556	613
Major activity: other									
Civilian labor force	7,321	3,727	3,594	6,373	3,199	3,174	948	528	420
Employed	6,437	3,221	3,216	5,688	2,798	2,890	749	423	327
Agriculture	222	200	22	182	160	23	40	40	-
Nonagricultural industries	6,215	3,021	3,194	5,506	2,639	2,867	710	383	327
Unemployed	883	506	377	685	401	284	198	105	93
Percent of labor force	12.1	13.6	10.5	10.8	12.5	9.0	20.9	19.9	22.2
Looking for full-time work	777	460	317	600	362	238	176	98	79
Looking for part-time work	107	46	61	85	38	46	22	7	14
Not in labor force	2,266	357	1,909	1,819	263	1,556	447	94	353

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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total								
Total noninstitutional population	141,301	138,928	60,292	59,428	65,905	64,820	15,105	14,680
Total labor force	86,165	84,856	49,928	49,385	28,959	28,258	7,277	7,212
Percent of population	61.0	61.1	82.8	83.1	43.9	43.6	48.2	49.1
Civilian labor force	83,152	81,416	47,301	46,429	28,928	28,229	6,922	6,757
Employed	78,516	78,788	45,194	45,378	27,529	27,389	5,793	6,022
Agriculture	2,952	2,984	2,286	2,324	419	446	248	214
Nonagricultural industries	75,564	75,805	42,907	43,054	27,111	26,943	5,545	5,808
Unemployed	4,636	2,628	2,108	1,052	1,399	840	1,129	736
Percent of labor force	5.6	3.2	4.5	2.3	4.8	3.0	16.3	10.9
Not in labor force	55,137	54,072	10,363	10,042	36,945	36,562	7,828	7,468
White								
Total noninstitutional population	125,885	123,945	54,121	53,412	58,725	57,847	13,039	12,687
Total labor force	76,695	75,471	44,898	44,450	25,282	24,606	6,515	6,415
Percent of population	60.9	60.9	83.0	83.2	43.1	42.5	50.0	50.6
Civilian labor force	74,016	72,396	42,564	41,804	25,254	24,580	6,198	6,013
Employed	70,168	70,241	40,778	40,916	24,114	23,898	5,275	5,427
Agriculture	2,624	2,706	2,033	2,100	379	416	212	190
Nonagricultural industries	67,544	67,536	38,745	38,816	23,736	23,482	5,064	5,238
Unemployed	3,848	2,155	1,786	888	1,140	681	923	585
Percent of labor force	5.2	3.0	4.2	2.1	4.5	2.8	14.9	9.7
Not in labor force	49,190	48,474	9,223	8,961	33,443	33,241	6,524	6,272
Negro and other races								
Total noninstitutional population	15,416	14,983	6,170	6,016	7,180	6,973	2,066	1,993
Total labor force	9,470	9,385	5,030	4,935	3,677	3,653	762	797
Percent of population	61.4	62.6	81.5	82.0	51.2	52.4	36.9	40.0
Civilian labor force	9,136	9,020	4,738	4,626	3,674	3,650	724	745
Employed	8,348	8,547	4,416	4,464	3,415	3,491	518	594
Agriculture	329	278	253	224	40	30	36	24
Nonagricultural industries	8,019	8,269	4,163	4,238	3,375	3,461	482	570
Unemployed	787	473	322	164	259	159	207	150
Percent of labor force	8.6	5.2	6.8	3.5	7.0	4.4	28.5	20.2
Not in labor force	5,946	5,598	1,140	1,081	3,503	3,321	1,304	1,196

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

December 1970

(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	70,735	64,563	2,590	3,583	5.1	12,416	11,363	1,053	8.5
16 to 21 years	6,281	4,995	457	830	13.2	4,642	3,940	702	15.1
16 to 19 years	3,110	2,308	299	504	16.2	3,812	3,186	626	16.4
16 and 17 years	479	287	77	115	24.0	2,437	2,002	435	17.9
18 and 19 years	2,632	2,022	222	389	14.8	1,374	1,184	191	13.9
20 years and over	67,625	62,255	2,291	3,079	4.6	8,604	8,177	427	5.0
20 to 24 years	9,276	8,088	378	810	8.7	1,560	1,444	117	7.5
25 years and over	58,349	54,167	1,913	2,269	3.9	7,044	6,733	310	4.4
25 to 54 years	46,344	43,124	1,366	1,855	4.0	4,552	4,338	214	4.7
55 years and over	12,004	11,043	547	414	3.4	2,491	2,395	96	3.9
MALE									
16 years and over	46,740	43,114	1,394	2,232	4.8	4,377	3,833	544	12.4
16 to 21 years	3,339	2,597	241	501	15.0	2,447	2,034	412	16.8
16 to 19 years	1,750	1,284	166	300	17.1	2,065	1,697	368	17.8
16 and 17 years	44,989	41,830	1,228	1,932	4.3	2,312	2,136	176	7.6
20 years and over	5,139	4,432	201	506	9.8	703	629	74	10.5
20 to 24 years	39,850	37,398	1,027	1,426	3.6	1,609	1,507	102	6.3
25 years and over	31,761	29,929	708	1,123	3.5	526	483	44	8.4
25 to 54 years	8,089	7,468	318	303	3.7	1,083	1,024	58	5.4
55 years and over									
FEMALE									
16 years and over	23,996	21,449	1,195	1,351	5.6	8,039	7,530	509	6.3
16 to 21 years	2,942	2,397	216	329	11.2	2,195	1,905	290	13.2
16 to 19 years	1,360	1,024	132	204	15.0	1,747	1,489	258	14.8
16 and 17 years	22,636	20,425	1,063	1,147	5.1	6,292	6,041	251	4.0
20 years and over	4,137	3,656	177	305	7.4	857	815	42	4.9
20 to 24 years	18,499	16,769	886	842	4.6	5,435	5,226	209	3.8
25 years and over	14,584	13,195	656	732	5.0	4,026	3,856	170	4.2
25 to 54 years	3,916	3,575	230	110	2.8	1,410	1,371	38	2.7
55 years and over									

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

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total, 16 years and over	2,776	1,462	5.4	2.9	1,860	1,165	5.8	3.7
16 to 19 years	668	410	17.5	11.5	462	325	14.9	10.2
16 and 17 years	343	216	20.4	13.8	208	168	16.8	12.8
18 and 19 years	325	194	15.2	9.7	254	157	13.6	8.4
20 years and over	2,108	1,052	4.5	2.3	1,399	840	4.8	3.0
20 to 24 years	580	275	9.9	5.2	347	221	6.9	4.7
25 years and over	1,528	776	3.7	1.9	1,052	619	4.4	2.6
25 to 34 years	532	224	4.6	2.0	344	211	5.8	3.7
35 to 44 years	340	166	3.3	1.6	318	158	5.2	2.6
45 to 54 years	295	168	2.8	1.6	241	158	3.6	2.4
55 to 64 years	256	168	3.6	2.4	110	70	2.6	1.7
55 to 59 years	156	114	3.7	2.7	75	50	2.9	2.0
60 to 64 years	100	53	3.4	1.8	35	20	2.1	1.3
65 years and over	106	50	5.1	2.4	39	23	3.5	2.2
Household head, 16 years and over	1,458	755	3.4	1.8	311	180	4.7	2.8
16 to 24 years	196	104	5.8	3.4	43	24	6.4	3.9
25 to 54 years	921	445	3.1	1.5	198	111	5.3	3.1
55 years and over	341	205	3.9	2.3	70	45	3.1	2.1

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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total, 16 years and over	2,776	1,462	5.4	2.9	1,860	1,165	5.8	3.7
Married, spouse present	1,324	661	3.4	1.7	915	594	4.8	3.2
Widowed, divorced, or separated	197	125	7.1	4.8	307	195	5.3	3.4
Single (never married)	1,254	676	13.5	7.8	638	377	8.9	5.3
Total, 20 to 64 years of age	2,002	1,002	4.4	2.3	1,360	817	4.9	3.0
Married, spouse present	1,217	607	3.3	1.7	855	553	4.7	3.1
Widowed, divorced, or separated	182	115	7.4	5.0	273	157	5.3	3.1
Single (never married)	603	280	10.7	5.3	232	108	5.4	2.6
White, 16 years and over	2,344	1,214	5.1	2.7	1,504	941	5.4	3.4
Married, spouse present	1,165	582	3.3	1.6	798	517	4.7	3.1
Widowed, divorced, or separated	164	94	7.5	4.6	231	140	4.9	3.0
Single (never married)	1,015	538	12.6	7.1	476	284	7.5	4.6
White, 20 to 64 years of age	1,691	842	4.2	2.1	1,104	660	4.6	2.8
Married, spouse present	1,063	529	3.1	1.6	745	484	4.5	3.0
Widowed, divorced, or separated	152	85	7.8	4.7	201	106	5.0	2.7
Single (never married)	475	229	9.8	5.1	157	71	4.2	2.0
Negro and other races, 16 years and over	432	249	8.4	4.9	356	224	8.9	5.6
Married, spouse present	160	79	4.7	2.4	118	77	5.9	3.8
Widowed, divorced, or separated	33	31	5.8	5.7	76	55	6.6	4.9
Single (never married)	239	138	19.6	12.2	162	92	19.0	10.9
Negro and other races, 20 to 64 years of age	311	160	6.8	3.6	255	157	7.1	4.4
Married, spouse present	154	78	4.8	2.4	109	69	5.7	3.5
Widowed, divorced, or separated	31	30	6.0	5.9	72	52	6.8	4.9
Single (never married)	127	52	15.7	7.2	74	37	12.7	6.7

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total	4,636	2,628	5.6	3.2	5.4	2.9	5.8	3.7
White-collar workers	1,213	661	3.0	1.7	2.5	1.2	3.7	2.2
Professional and technical	234	137	2.0	1.2	2.0	1.0	2.0	1.4
Managers, officials, and proprietors	140	80	1.6	1.0	1.7	.8	1.6	1.8
Clerical workers	634	341	4.4	2.4	4.1	2.1	4.5	2.5
Sales workers	205	104	3.7	2.0	3.3	1.3	4.1	2.7
Blue-collar workers	2,282	1,276	7.7	4.3	7.1	4.0	10.4	6.0
Craftsmen and foremen	551	253	5.2	2.4	5.1	2.4	5.9	1.5
Carpenters and other construction craftsmen	240	119	8.1	4.1	8.2	4.1	--	--
All other	311	134	4.0	1.8	3.9	1.8	6.2	1.5
Operatives	1,255	713	8.4	4.7	7.4	4.0	10.7	6.3
Drivers and deliverymen	150	94	5.6	3.5	5.7	3.6	4.7	1.3
All other	1,105	619	9.1	5.0	8.0	4.1	10.9	6.4
Nonfarm laborers	475	311	11.9	8.1	11.9	8.2	12.5	5.4
Construction laborers	170	102	18.2	11.7	18.2	11.8	8.2	--
All other	305	209	10.0	7.0	9.9	7.1	13.1	5.1
Service workers	573	329	5.5	3.3	6.6	3.4	5.0	3.2
Private household	59	36	3.5	1.9	4.1	(1)	3.5	1.9
All other	514	292	5.9	3.6	6.6	3.4	5.4	3.7
Farmers and farm laborers	114	69	4.2	2.6	3.6	1.9	7.8	6.6
No previous work experience	454	293	--	--	--	--	--	--
16 to 19 years	358	226	--	--	--	--	--	--
20 to 24 years	63	42	--	--	--	--	--	--
25 years and over	33	26	--	--	--	--	--	--

¹ Percent 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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total	100.0	100.0	5.6	3.2	5.4	2.9	5.8	3.7
Private wage and salary workers	78.9	75.8	6.0	3.3	6.0	3.2	6.1	3.6
Mining	.3	1.0	2.5	4.7	2.3	4.7	5.7	(1)
Construction	10.2	9.5	12.2	6.7	12.6	6.9	4.1	1.9
Manufacturing	32.4	28.9	7.1	3.6	6.1	2.8	9.6	5.4
Durable goods	20.3	17.1	7.6	3.6	6.8	3.0	10.5	5.7
Primary metal industries	1.5	.8	5.5	1.6	5.4	1.4	5.9	3.4
Fabricated metal products	2.6	2.3	7.3	3.5	6.4	2.9	11.0	5.6
Machinery	3.9	2.1	7.6	2.4	7.6	2.2	7.5	3.0
Electrical equipment	3.6	2.9	8.1	3.6	5.2	2.3	12.3	5.5
Motor vehicles and equipment	1.2	1.6	4.7	3.5	4.8	3.6	3.9	3.1
All other transportation equipment	2.2	2.3	9.2	4.9	8.4	4.5	13.8	7.2
Other durable goods industries	5.3	5.1	9.0	4.8	8.1	3.8	11.2	7.8
Nondurable goods	12.1	11.9	6.4	3.6	4.9	2.5	8.8	5.2
Food and kindred products	2.7	3.1	6.9	4.6	5.2	3.0	11.7	9.0
Textile mill products	1.5	1.6	6.9	4.4	5.3	3.8	8.8	5.1
Apparel and other finished textile products	3.0	3.3	9.5	6.1	8.2	12.1	9.9	4.8
Other nondurable goods industries	4.9	3.8	5.1	2.2	4.3	1.3	6.8	4.2
Transportation and public utilities	4.0	4.4	4.0	2.4	3.8	2.4	4.7	2.4
Railroads and railway express	.3	.6	2.2	2.4	2.2	2.5	1.5	(1)
Other transportation	2.5	2.8	6.0	3.5	6.0	3.5	5.7	3.3
Communication and other public utilities	1.1	1.0	2.7	1.3	1.8	.8	4.3	2.1
Wholesale and retail trade	16.5	16.5	5.3	3.2	4.8	2.9	5.9	3.5
Finance, insurance, and real estate	2.1	2.2	2.7	1.7	2.2	1.2	3.2	2.1
Service industries	13.3	13.2	5.0	2.9	5.7	3.1	4.5	2.7
Professional services	4.2	3.5	3.1	1.6	2.7	1.3	3.3	1.7
All other service industries	9.2	9.8	7.0	4.1	8.2	4.6	6.1	3.8
Agricultural wage and salary workers	3.0	3.2	12.4	8.3	11.5	5.7	17.1	18.9
All other classes of workers	8.3	9.9	1.9	1.3	1.8	1.2	2.0	1.5
No previous work experience	9.8	11.1	--	--	--	--	--	--

¹ Percent 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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Unemployment level												
Total unemployed, in thousands	4,636	2,628	2,108	1,052	1,399	840	1,129	736	3,848	2,155	787	473
Lost last job	2,412	1,133	1,464	693	676	303	272	137	2,033	959	379	174
Left last job	505	378	209	150	190	138	107	90	419	323	86	56
Reentered labor force	1,269	825	384	188	489	354	396	283	1,020	640	249	185
Never worked before	450	292	52	20	44	46	354	226	376	234	74	58
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	52.0	43.1	69.4	65.9	48.3	36.0	24.1	18.7	52.9	44.5	48.1	36.8
Left last job	10.9	14.4	9.9	14.3	13.6	16.4	9.5	12.2	10.9	15.0	10.9	11.8
Reentered labor force	27.4	31.4	18.2	17.9	35.0	42.1	35.0	38.5	26.5	29.7	31.6	39.1
Never worked before	9.7	11.1	2.4	1.9	3.1	5.5	31.4	30.7	9.8	10.9	9.4	12.2
Unemployment rate												
Total unemployment rate	5.6	3.2	4.5	2.3	4.8	3.0	16.3	10.9	5.2	3.0	8.6	5.2
Job-loser rate ¹	2.9	1.4	3.0	1.5	2.3	1.0	3.9	2.0	2.8	1.3	4.1	2.0
Job-leaver rate ¹ . . . . .	.6	.5	.4	.3	.7	.5	1.5	1.3	.6	.4	.9	.6
Reentrant rate ¹	1.5	1.0	.8	.4	1.7	1.3	5.7	4.2	1.4	.9	2.7	2.1
New entrant rate ¹ . . . . .	.5	.4	.1	--	.2	.2	5.1	3.2	.5	.3	.8	.6

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

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

December 1970
(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	4,636	100.0	44.9	34.5	20.6	13.5	7.1
Lost last job	2,412	100.0	42.6	36.4	21.0	13.4	7.6
Left last job	505	100.0	40.9	36.4	22.7	13.4	9.3
Reentered labor force	1,269	100.0	50.4	31.4	18.3	13.3	5.0
Never worked before	450	100.0	46.4	31.6	22.0	14.2	7.8
Male, 20 years and over	2,108	100.0	41.1	35.7	23.2	14.1	9.1
Lost last job	1,464	100.0	41.6	36.1	22.3	13.7	8.6
Left last job	209	100.0	35.1	37.0	27.9	14.4	13.5
Reentered labor force	384	100.0	44.3	33.1	22.7	15.1	7.6
Never worked before	52	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,399	100.0	45.5	34.0	20.5	13.9	6.6
Lost last job	676	100.0	39.3	37.2	23.6	15.9	7.7
Left last job	190	100.0	45.5	33.9	20.7	12.2	8.5
Reentered labor force	489	100.0	53.2	31.3	15.6	11.5	4.1
Never worked before	44	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	1,129	100.0	51.3	33.1	15.6	11.6	4.0
Lost last job	272	100.0	56.2	36.5	7.3	5.5	1.8
Left last job	107	100.0	43.9	39.3	16.8	14.0	2.8
Reentered labor force	396	100.0	52.8	29.8	17.4	13.9	3.5
Never worked before	354	100.0	48.0	32.2	19.8	13.0	6.8

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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total	4,636	2,628	100.0	100.0	1,770	935	100.0	100.0
Less than 5 weeks	2,083	1,373	44.9	52.2	741	455	41.9	48.7
5 to 14 weeks	1,601	898	34.5	34.2	638	333	36.0	35.6
5 to 10 weeks	1,129	643	24.4	24.5	447	244	25.3	26.1
11 to 14 weeks	472	255	10.2	9.7	191	89	10.8	9.5
15 weeks and over	951	357	20.5	13.6	391	147	22.1	15.7
15 to 26 weeks	624	244	13.5	9.3	239	98	13.5	10.5
27 weeks and over	328	113	7.1	4.3	152	49	8.6	5.3
Average (mean) duration	10.2	8.4	--	--	11.2	9.5	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status
December 1970

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		Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total	4,636	2,083	1,601	624	328	10.2	44.9	52.2	20.5	13.6
16 to 21 years	1,532	756	521	185	70	8.4	49.4	56.5	16.6	11.5
16 to 19 years	1,129	580	373	131	45	8.1	51.3	56.9	15.6	11.9
20 to 24 years	927	408	327	137	54	9.4	44.0	56.1	20.6	9.5
25 to 44 years	1,533	663	560	208	102	19.8	43.2	48.0	20.2	14.0
45 years and over	1,047	431	341	148	126	13.5	41.2	48.9	26.2	18.4
Male	2,776	1,211	968	380	216	10.8	43.6	52.7	21.5	12.9
16 to 21 years	913	451	302	118	42	8.5	49.4	59.2	17.6	10.1
16 to 19 years	668	345	215	83	25	8.2	51.7	60.0	16.2	10.2
20 to 24 years	580	252	204	85	39	9.6	43.4	61.0	21.5	7.7
25 to 44 years	872	369	311	124	67	20.9	42.3	44.4	21.9	13.3
45 years and over	656	245	238	88	85	14.6	37.3	46.4	26.4	19.1
Female	1,860	872	633	243	112	9.4	46.9	51.7	19.1	14.5
16 to 21 years	619	305	219	67	28	8.4	49.3	53.0	15.3	13.3
16 to 19 years	462	235	159	48	20	8.0	50.9	53.1	14.7	14.0
20 to 24 years	347	157	124	52	15	9.0	45.1	50.1	19.2	11.8
25 to 44 years	662	294	248	84	35	18.5	44.4	38.5	18.0	12.2
45 years and over	390	186	103	60	41	11.5	47.8	52.7	25.8	17.4
White: Total	3,848	1,760	1,292	508	287	10.3	45.7	52.9	20.7	12.4
Male	2,344	1,053	787	312	192	10.8	44.9	52.4	21.5	12.5
Female	1,504	707	506	196	96	9.4	47.0	53.5	19.4	12.3
Negro and other races: Total	787	323	309	116	40	9.9	41.0	49.3	19.8	19.2
Male	432	158	181	68	24	10.5	36.5	54.0	21.5	15.2
Female	356	165	128	47	16	9.2	46.3	44.2	17.8	23.7
Male: Married, wife present	1,324	565	489	171	99	10.5	42.6	49.9	20.5	14.7
Widowed, divorced, or separated	197	65	83	22	27	3.0	33.1	52.2	24.8	12.1
Single (never married)	1,254	582	396	187	90	10.5	46.4	55.9	22.1	11.3
Female: Married, husband present	915	431	313	113	59	9.3	47.0	53.4	18.7	11.7
Widowed, divorced, or separated	307	134	108	46	19	2.9	43.5	49.6	21.3	16.6
Single (never married)	638	308	212	84	34	9.2	48.2	50.0	18.5	17.7

A-16: Unemployed persons by duration, occupation, and industry of last job
December 1970

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		Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
OCCUPATION										
White-collar workers	1,213	505	410	191	106	11.2	41.7	50.6	24.5	15.9
Professional and managerial	374	149	111	66	49	13.8	39.8	47.9	30.5	15.7
Clerical workers	634	275	218	100	41	10.0	43.4	50.3	22.3	16.6
Sales workers	205	81	82	25	17	10.4	39.6	57.2	20.5	14.0
Blue-collar workers	2,282	1,038	815	277	151	9.7	45.5	55.4	18.8	10.8
Craftsmen and foremen	551	241	200	67	44	10.2	43.7	63.6	20.1	4.5
Operatives	1,255	554	458	159	84	9.6	44.2	53.4	19.3	12.5
Nonfarm laborers	475	243	157	51	24	9.3	51.1	53.2	15.8	12.0
Service workers	573	266	195	79	33	10.6	46.4	44.4	19.5	16.3
INDUSTRY¹										
Agriculture	138	71	48	16	2	7.4	51.9	(2)	12.9	(2)
Construction	493	275	149	52	17	7.9	55.7	57.9	14.1	7.6
Manufacturing	1,507	604	542	231	130	11.0	40.1	53.2	24.0	11.9
Durable goods	946	326	372	151	97	12.2	34.4	48.4	26.3	13.4
Nondurable goods	560	278	170	80	33	9.0	49.7	60.0	20.1	9.7
Transportation and public utilities	206	113	59	18	16	10.4	55.1	58.6	16.4	14.7
Wholesale and retail trade	770	337	275	110	48	9.6	43.8	52.5	20.6	10.5
Finance and service industries	857	375	314	106	62	11.4	43.8	47.5	19.6	18.5
Public administration	128	49	49	18	12	14.0	38.0	(2)	23.4	(2)
No previous work experience	454	213	141	64	35	10.2	47.0	53.0	21.8	15.2

¹Includes wage and salary workers only.

A-17: Employed persons by sex and age

(In thousands)

Age and type of industry	Total		Male		Female	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
	All industries	78,516	78,788	48,341	48,539	30,175	30,250
16 to 19 years	5,793	6,022	3,147	3,161	2,646	2,861
16 and 17 years	2,366	2,492	1,336	1,347	1,030	1,145
18 and 19 years	3,427	3,530	1,811	1,814	1,616	1,716
20 to 24 years	9,910	9,505	5,263	4,981	4,647	4,524
25 to 34 years	48,827	49,238	31,120	31,415	17,707	17,823
25 to 34 years	16,447	16,280	10,915	10,826	5,532	5,454
35 to 44 years	15,809	16,292	10,054	10,355	5,755	5,937
45 to 54 years	16,571	16,666	10,151	10,234	6,420	6,432
55 to 64 years	10,955	10,957	6,848	6,942	4,106	4,015
55 to 59 years	6,552	6,569	4,057	4,100	2,495	2,469
60 to 64 years	4,403	4,387	2,791	2,842	1,611	1,545
65 years and over	3,031	3,069	1,961	2,041	1,069	1,028
Nonagricultural industries	75,564	75,805	45,835	46,028	29,728	29,777
16 to 19 years	5,545	5,808	2,928	2,974	2,617	2,834
16 and 17 years	2,236	2,367	1,226	1,240	1,011	1,127
18 and 19 years	3,309	3,441	1,702	1,733	1,607	1,708
20 to 24 years	9,722	9,340	5,103	4,840	4,619	4,500
25 to 34 years	47,285	47,651	29,860	30,144	17,425	17,505
25 to 34 years	16,054	15,868	10,595	10,595	10,496	5,371
35 to 44 years	15,297	15,755	9,637	9,929	5,660	5,825
45 to 54 years	15,934	16,028	9,628	9,719	6,306	6,309
55 to 64 years	10,370	10,330	6,335	6,395	4,034	3,935
55 to 59 years	6,262	6,243	3,813	3,818	2,449	2,424
60 to 64 years	4,107	4,087	2,522	2,576	1,586	1,511
65 years and over	2,642	2,676	1,609	1,674	1,033	1,002
Agriculture	2,952	2,984	2,506	2,511	447	473
16 to 19 years	248	214	219	187	28	27
16 and 17 years	130	126	111	107	19	19
18 and 19 years	118	88	108	80	10	8
20 to 24 years	188	165	160	141	28	24
25 to 34 years	1,543	1,586	1,261	1,269	281	315
25 to 34 years	393	412	321	329	92	82
35 to 44 years	512	537	417	425	95	111
45 to 54 years	638	637	523	515	114	122
55 to 64 years	585	626	513	547	72	79
55 to 59 years	290	326	244	281	47	45
60 to 64 years	295	300	269	265	26	34
65 years and over	388	393	352	366	36	26

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	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total	78,516	78,788	45,194	45,378	27,529	27,389	3,147	3,161	2,646	2,861
White-collar workers	38,807	38,324	19,531	19,331	17,044	16,623	708	696	1,523	1,673
Professional and technical	11,421	11,271	6,785	6,846	4,486	4,256	81	91	70	77
Medical and other health	1,754	1,734	631	641	1,109	1,064	1	4	12	25
Teachers, except college	2,638	2,561	798	813	1,831	1,738	2	5	7	1,738
Other professional and technical	7,030	6,976	5,356	5,393	1,545	1,455	77	82	50	46
Managers, officials, and proprietors	8,341	8,115	6,938	6,840	1,338	1,233	58	36	7	7
Salaried workers	6,184	5,867	5,200	4,991	928	835	51	37	6	4
Self-employed workers in retail trade	1,085	1,070	807	820	273	248	3	--	1	1
Self-employed workers, except retail trade	1,072	1,178	931	1,028	137	150	3	--	--	1
Clerical workers	13,708	13,795	3,181	3,156	9,155	9,164	311	305	1,061	1,169
Stenographers, typists, and secretaries	3,428	3,534	48	43	3,089	3,184	7	2	285	305
Other clerical workers	10,280	10,261	3,133	3,113	6,066	5,980	304	303	776	865
Sales workers	5,335	5,143	2,627	2,490	2,065	1,970	259	263	385	420
Retail trade	3,351	3,254	962	910	1,809	1,737	214	217	366	400
Other sales workers	1,984	1,879	1,665	1,580	256	233	45	47	19	20
Blue-collar workers	27,238	28,081	20,856	21,177	4,435	4,826	1,678	1,788	269	290
Craftsmen and foremen	10,119	10,240	9,551	9,629	339	342	222	258	7	10
Carpenters	833	853	813	839	8	2	12	12	--	--
Construction craftsmen, except carpenters	1,886	1,919	1,840	1,849	8	19	38	51	--	--
Mechanics and repairmen	2,860	2,768	2,725	2,622	36	24	99	117	1	3
Metal craftsmen, except mechanics	1,167	1,237	1,136	1,199	18	11	13	25	1	--
Other craftsmen and kindred workers	1,869	2,010	1,659	1,775	154	182	49	48	7	5
Foremen, not elsewhere classified	1,505	1,454	1,378	1,346	117	103	11	4	--	1
Operatives	13,610	14,311	8,652	8,885	3,980	4,363	740	812	239	250
Drivers and deliverymen	2,527	2,578	2,284	2,315	111	107	124	150	8	8
Other operatives	11,083	11,733	6,368	6,570	3,869	4,256	616	662	231	242
Durable goods manufacturing	4,415	4,844	2,989	3,237	1,221	1,394	161	148	44	65
Nondurable goods manufacturing	3,717	3,877	1,554	1,572	1,948	2,073	111	114	104	119
Other industries	2,951	3,012	1,825	1,762	700	790	343	400	83	59
Nonfarm laborers	3,508	3,530	2,653	2,663	116	120	716	718	23	718
Construction	765	767	658	674	5	2	103	92	--	--
Manufacturing	929	1,026	776	838	41	65	112	112	--	11
Other industries	1,813	1,736	1,219	1,151	70	53	502	513	23	19
Service workers	9,854	9,753	2,741	2,777	5,713	5,587	566	511	833	879
Private household workers	1,620	1,844	17	33	1,247	1,420	15	18	341	373
Service workers, except private household	8,234	7,909	2,725	2,743	4,466	4,167	551	493	492	506
Protective service workers	975	940	906	884	59	46	7	8	3	2
Waiters, cooks, and bartenders	2,261	2,171	434	413	1,425	1,363	148	138	254	257
Other service workers	4,998	4,798	1,385	1,446	2,982	2,759	396	348	235	246
Farm workers	2,618	2,631	2,065	2,093	337	353	195	166	21	20
Farmers and farm managers	1,575	1,656	1,506	1,588	56	63	11	4	2	1
Farm laborers and foremen	1,043	975	559	504	281	291	184	162	19	18
Paid workers	693	332	502	26	69	10	120	76	10	219
Unpaid family workers	342	332	57	26	212	219	64	76	9	10

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total						
Total employed (thousands)	78,516	78,788	48,341	48,539	30,175	30,250
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	49.4	48.6	41.9	41.3	61.5	60.5
Professional and technical	14.5	14.3	14.2	14.3	15.1	14.3
Managers, officials, and proprietors	10.6	10.3	14.5	14.2	4.5	4.1
Clerical workers	17.5	17.5	7.2	7.1	33.9	34.2
Sales workers	6.8	6.5	6.0	5.7	8.1	7.9
Blue-collar workers	34.7	35.6	46.6	47.3	15.6	16.9
Craftsmen and foremen	12.9	13.0	20.2	20.4	1.1	1.2
Operatives	17.3	18.2	19.4	20.0	14.0	15.3
Nonfarm laborers	4.5	4.5	7.0	7.0	.5	.5
Service workers	12.6	12.4	6.8	6.8	21.7	21.4
Private household workers	2.1	2.3	.1	.1	5.3	5.9
Other service workers	10.5	10.0	6.8	6.7	16.4	15.4
Farm workers	3.3	3.3	4.7	4.7	1.2	1.2
Farmers and farm managers	2.0	2.1	3.1	3.3	.2	.2
Farm laborers and foremen	1.3	1.2	1.5	1.4	1.0	1.0
White						
Total employed (thousands)	70,168	70,241	43,617	43,744	26,551	26,498
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.9	51.3	44.0	43.6	64.8	64.0
Professional and technical	15.2	15.0	14.9	15.1	15.7	14.9
Managers, officials, and proprietors	11.4	11.2	15.5	15.3	4.8	4.5
Clerical workers	17.9	18.0	7.3	7.1	35.5	36.1
Sales workers	7.3	7.0	6.4	6.1	8.8	8.6
Blue-collar workers	33.8	34.7	45.1	45.8	15.3	16.4
Craftsmen and foremen	13.4	13.5	20.8	20.9	1.2	1.2
Operatives	16.6	17.4	18.5	19.1	13.7	14.7
Nonfarm laborers	3.8	3.8	5.8	5.8	.4	.4
Service workers	11.0	10.7	6.2	6.0	18.7	18.3
Private household workers	1.4	1.6	(1)	.1	3.6	4.0
Other service workers	9.6	9.1	6.2	5.9	15.1	14.3
Farm workers	3.3	3.4	4.6	4.7	1.2	1.3
Farmers and farm managers	2.1	2.3	3.3	3.5	.2	.2
Farm laborers and foremen	1.2	1.1	1.3	1.2	1.0	1.1
Negro and other races						
Total employed (thousands)	8,348	8,547	4,724	4,794	3,624	3,753
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	28.7	27.0	22.1	20.4	37.5	35.6
Professional and technical	9.1	8.5	7.8	6.9	10.7	10.6
Managers, officials, and proprietors	3.7	3.0	5.1	4.3	1.8	1.4
Clerical workers	13.4	13.2	6.8	7.5	21.9	20.6
Sales workers	2.6	2.3	2.2	1.8	3.1	3.0
Blue-collar workers	42.0	43.5	60.3	61.3	18.0	20.9
Craftsmen and foremen	8.5	9.0	14.4	15.2	.7	1.0
Operatives	23.1	24.2	28.3	28.4	16.4	18.9
Nonfarm laborers	10.4	10.4	17.6	17.7	.9	1.0
Service workers	25.9	26.5	12.4	13.8	43.5	42.8
Private household workers	7.8	8.7	.3	.4	17.5	19.3
Other service workers	18.2	17.8	12.2	13.4	26.0	23.5
Farm workers	3.3	2.9	5.2	4.6	.9	.8
Farmers and farm managers .....	.9	.9	1.5	1.5	.1	.1
Farm laborers and foremen	2.4	2.0	3.7	3.0	.8	.7

¹Less than 0.05.

A-20: Employed persons by class of worker, sex, and age
December 1970
(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	69,804	1,787	12,755	55,261	5,238	521	969	1,630	353
16 to 19 years.....	5,428	396	483	4,549	77	40	159	14	74
16 and 17 years.....	2,163	300	151	1,712	47	26	77	3	50
18 and 19 years.....	3,265	96	331	2,837	30	14	83	11	25
20 to 24 years.....	9,528	104	1,626	7,798	182	12	124	36	28
25 to 34 years.....	15,193	165	2,805	12,224	780	80	182	171	41
35 to 44 years.....	14,053	224	2,699	11,130	1,134	111	165	287	60
45 to 54 years.....	14,347	315	2,968	11,064	1,433	154	152	405	80
55 to 64 years.....	9,162	351	1,843	6,968	1,109	98	122	415	49
55 to 59 years.....	5,552	184	1,132	4,236	643	67	59	197	34
60 to 64 years.....	3,610	168	711	2,732	467	30	63	218	15
65 years and over.....	2,093	233	331	1,529	524	26	65	302	21
Male	41,917	161	6,853	34,902	3,856	63	820	1,563	122
16 to 19 years.....	2,844	53	207	2,584	51	33	142	13	65
16 and 17 years.....	1,167	41	74	1,053	36	22	64	3	43
18 and 19 years.....	1,677	12	134	1,531	14	11	77	9	22
20 to 24 years.....	4,997	11	640	4,346	101	5	109	33	18
25 to 34 years.....	10,025	8	1,573	8,444	561	8	145	166	11
35 to 44 years.....	8,783	11	1,539	7,233	849	5	130	282	5
45 to 54 years.....	8,532	11	1,679	6,841	1,095	1	128	386	9
55 to 64 years.....	5,516	35	1,022	4,459	812	7	108	399	6
55 to 59 years.....	3,351	21	633	2,697	460	3	53	189	2
60 to 64 years.....	2,165	14	389	1,762	352	4	56	210	4
65 years and over.....	1,220	32	191	996	387	3	59	284	9
Female	27,887	1,626	5,902	20,359	1,382	458	149	67	231
16 to 19 years.....	2,584	344	275	1,965	27	7	18	1	9
16 and 17 years.....	996	259	78	659	11	4	13	--	6
18 and 19 years.....	1,588	85	198	1,306	16	2	5	2	3
20 to 24 years.....	4,531	94	985	3,452	81	7	15	3	10
25 to 34 years.....	5,168	156	1,232	3,780	219	72	37	5	30
35 to 44 years.....	5,269	213	1,160	3,897	284	106	35	5	56
45 to 54 years.....	5,815	303	1,289	4,223	338	153	24	18	72
55 to 64 years.....	3,647	316	821	2,510	297	91	13	16	43
55 to 59 years.....	2,201	163	499	1,540	183	64	7	8	32
60 to 64 years.....	1,445	153	322	970	114	26	7	8	11
65 years and over.....	873	200	140	533	137	23	6	18	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					
	Dec. 1970	Dec. 1969	Total		Wage and salary workers ¹			
			Dec. 1970	Dec. 1969	Paid absence ²		Unpaid absence ²	
					Dec. 1970	Dec. 1969	Dec. 1970	Dec. 1969
Total	2,781	2,781	2,648	2,633	999	984	1,301	1,314
Vacation	689	666	667	650	496	510	137	89
Illness	1,234	1,213	1,199	1,178	398	388	681	672
Bad weather	96	142	71	98	--	--	--	--
Industrial dispute	65	132	65	132	--	--	--	--
All other reasons	697	628	645	574	105	86	483	553
Male	1,688	1,797	1,566	1,655	669	684	700	743
Vacation	468	469	449	453	353	375	81	41
Illness	731	718	698	686	258	249	373	360
All other reasons	489	610	419	516	59	60	245	342
Female	1,092	985	1,082	976	330	300	602	571
Vacation	220	197	218	197	143	135	56	47
Illness	503	495	502	492	141	139	308	313
All other reasons	369	293	362	287	46	26	238	211

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

December 1970

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	75,735	72,915	2,820	100.0	100.0	100.0
1-34 hours	17,332	16,433	899	22.9	22.5	31.9
1-4 hours	764	721	43	1.0	1.0	1.5
5-14 hours	3,746	3,483	263	4.9	4.8	9.3
15-29 hours	8,215	7,737	478	10.8	10.6	17.0
30-34 hours	4,607	4,492	115	6.1	6.2	4.1
35 hours and over	58,403	56,482	1,921	77.1	77.5	68.1
35-39 hours	5,365	5,201	165	7.1	7.1	5.9
40 hours	31,407	31,048	359	41.5	42.6	12.7
41 hours and over	21,631	20,233	1,397	28.6	27.7	49.5
41 to 48 hours	8,892	8,595	297	11.7	11.8	10.5
49 to 59 hours	6,820	6,483	336	9.0	8.9	11.9
60 hours and over	5,919	5,155	764	7.8	7.1	27.1
Average hours, total at work	39.3	39.1	43.4	--	--	--
Average hours, workers on full-time schedules	43.6	43.3	52.6	--	--	--

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

December 1970

(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.....	17,332	5,450	11,882	16,433	5,160	11,273
Economic reasons.....	2,589	1,442	1,147	2,329	1,309	1,020
Slack work.....	1,578	1,216	362	1,390	1,088	302
Material shortages or repairs to plant and equipment.....	71	71	--	70	70	--
New job started during week.....	106	106	--	102	102	--
Job terminated during week.....	50	50	--	49	49	--
Could find only part-time work.....	785	--	785	718	--	718
Other reasons.....	14,742	4,007	10,735	14,104	3,851	10,253
Does not want, or unavailable for, full-time work.....	8,691	--	8,691	8,351	--	8,351
Vacation.....	393	393	--	384	384	--
Illness.....	1,840	1,573	267	1,765	1,545	220
Bad weather.....	482	482	--	406	406	--
Industrial dispute.....	229	229	--	229	229	--
Legal or religious holiday.....	175	175	--	175	175	--
Full time for this job.....	1,306	--	1,306	1,276	--	1,276
All other reasons.....	1,626	1,155	471	1,514	1,108	406
Average hours:						
Economic reasons.....	21.7	24.2	18.5	22.1	24.7	18.8
Other reasons.....	20.2	26.5	17.9	20.3	26.7	17.9
Worked 30 to 34 hours:						
Economic reasons.....	812	616	196	768	589	179
Other reasons.....	3,795	2,214	1,581	3,724	2,181	1,543

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

December 1970

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	3.2	14.1	82.7	55.0	11.8	16.0	39.1	43.3
Wage and salary workers.....	100.0	3.1	13.7	83.2	57.3	12.0	13.9	38.7	42.7
Construction.....	100.0	6.7	4.0	89.3	67.4	10.6	11.4	38.8	41.0
Manufacturing.....	100.0	3.5	2.9	93.6	68.5	13.4	11.6	40.7	41.9
Durable goods.....	100.0	2.6	2.0	95.4	70.4	12.8	12.2	41.2	42.0
Nondurable goods.....	100.0	4.9	4.1	91.0	65.9	14.3	10.8	39.9	41.7
Transportation and public utilities.....	100.0	2.6	6.9	90.5	63.5	12.2	14.8	40.8	42.9
Wholesale and retail trade.....	100.0	3.1	24.5	72.3	41.8	13.5	17.1	37.4	44.4
Finance, insurance, and real estate.....	100.0	.9	8.8	90.3	64.5	10.8	15.0	39.7	41.9
Service industries.....	100.0	3.1	24.2	72.7	48.8	10.2	13.6	36.0	43.2
Private households.....	100.0	11.7	52.6	35.7	23.4	5.0	7.3	24.5	44.4
All other service.....	100.0	2.2	21.2	76.6	51.5	10.7	14.3	37.2	43.1
Public administration.....	100.0	.7	5.8	93.6	70.1	9.2	14.3	40.9	42.4
Self-employed workers.....	100.0	4.4	15.8	79.9	26.4	10.2	43.2	44.5	51.5
Unpaid family workers.....	100.0	1.9	41.7	56.4	24.6	4.6	27.3	37.7	49.2

^{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**

December 1970

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.....	72,915	2,329	10,253	60,333	40,100	20,233	39.1	43.3
16 to 21 years	8,805	412	3,687	4,706	3,603	1,103	29.2	40.9
16 to 19 years	5,411	261	2,988	2,162	1,722	440	25.2	40.1
16 and 17 years	2,183	64	1,863	256	211	45	17.1	39.3
18 and 19 years	3,229	198	1,125	1,906	1,512	394	30.8	40.3
20 years and over	67,504	2,068	7,265	58,171	38,377	19,794	40.2	43.4
20 to 24 years	9,400	349	1,344	7,707	5,505	2,202	37.9	42.1
25 years and over	58,104	1,719	5,921	50,464	32,872	17,592	40.6	43.6
25 to 44 years	30,435	820	2,726	26,889	17,200	9,689	40.9	43.7
45 to 64 years	25,206	806	2,240	22,160	14,769	7,391	40.7	43.5
65 years and over	2,463	92	956	1,415	905	510	32.7	44.3
Males, 16 years and over	44,270	1,173	3,268	39,829	23,731	16,098	42.1	44.6
16 to 21 years	4,473	201	1,873	2,399	1,643	756	30.3	42.1
16 to 19 years	2,853	133	1,555	1,165	851	314	26.4	41.0
16 and 17 years	1,190	39	983	168	132	36	18.9	40.1
18 and 19 years	1,663	94	572	997	718	279	31.8	41.2
20 years and over	41,416	1,041	1,713	38,662	22,879	15,783	43.1	44.8
20 to 24 years	4,954	176	583	4,195	2,619	1,576	39.9	43.7
25 years and over	36,462	865	1,130	34,467	20,260	14,207	43.5	44.9
25 to 44 years	19,690	424	299	18,967	10,798	8,169	44.3	45.1
45 to 64 years	15,283	387	316	14,580	8,880	5,700	43.5	44.6
65 years and over	1,489	54	514	921	583	338	34.1	44.2
Females, 16 years and over	28,646	1,155	6,986	20,505	16,370	4,135	34.4	40.7
16 to 21 years	4,332	211	1,814	2,307	1,960	347	28.1	39.6
16 to 19 years	2,558	128	1,433	997	873	124	23.9	39.1
16 and 17 years	993	25	881	87	78	9	14.9	37.8
18 and 19 years	1,565	104	553	908	793	115	29.6	39.2
20 years and over	26,088	1,026	5,552	19,510	15,499	4,011	35.4	40.8
20 to 24 years	4,446	174	761	3,511	2,886	625	35.6	40.2
25 years and over	21,642	852	4,791	15,999	12,613	3,386	35.4	40.9
25 to 44 years	10,744	397	2,427	7,920	6,397	1,523	34.9	40.3
45 to 64 years	9,923	419	1,924	7,580	5,890	1,690	36.5	41.4
65 years and over	975	37	442	496	323	173	30.7	44.4
COLOR								
White	65,217	1,880	9,324	54,013	35,216	18,797	39.3	43.5
Male	40,001	967	3,002	36,032	20,962	15,070	42.3	44.9
Female	25,215	912	6,322	17,981	14,254	3,727	34.4	40.8
Negro and other races	7,699	449	929	6,321	4,885	1,436	37.4	41.4
Male	4,268	207	266	3,795	2,767	1,028	39.9	42.4
Female	3,430	242	663	2,525	2,117	408	34.4	39.8
MARITAL STATUS								
Male:								
Married, wife present	34,689	790	1,034	32,865	19,059	13,806	43.7	45.0
Widowed, divorced, or separated	2,282	89	137	2,056	1,303	753	41.5	43.9
Single (never married)	7,298	295	2,097	4,906	3,367	1,539	34.4	42.9
Female:								
Married, husband present	17,085	621	4,263	12,201	9,857	2,344	34.5	40.4
Widowed, divorced, or separated	5,253	282	807	4,164	3,156	1,008	37.1	41.7
Single (never married)	6,308	251	1,916	4,141	3,358	783	32.0	40.6

A-25: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status--Continued
December 1970

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	3.2	14.1	82.7	55.0	27.7
16 to 21 years	100.0	4.7	41.9	53.4	40.9	12.5
16 to 19 years	100.0	4.8	55.2	40.0	31.8	8.1
16 and 17 years	100.0	2.9	85.3	11.7	9.7	2.1
18 and 19 years	100.0	6.1	34.8	59.0	46.8	12.2
20 years and over	100.0	3.1	10.8	86.2	56.9	29.3
20 to 24 years	100.0	3.7	14.3	82.0	58.6	23.4
25 years and over	100.0	3.0	10.2	86.9	56.6	30.3
25 to 44 years	100.0	2.7	9.0	88.3	56.5	31.8
45 to 64 years	100.0	3.2	8.9	87.9	58.6	29.3
65 years and over	100.0	3.7	38.8	57.5	36.7	20.7
Males, 16 years and over	100.0	2.6	7.4	90.0	53.6	36.4
16 to 21 years	100.0	4.5	41.9	53.6	36.7	16.9
16 and 19 years	100.0	4.7	54.5	40.8	29.8	11.0
16 and 17 years	100.0	3.3	82.6	14.1	11.1	3.0
18 and 19 years	100.0	5.7	34.4	60.0	43.2	16.8
20 years and over	100.0	2.5	4.1	93.4	55.2	38.1
20 to 24 years	100.0	3.6	11.8	84.7	52.9	31.8
25 years and over	100.0	2.4	3.1	94.5	55.6	39.0
25 to 44 years	100.0	2.2	1.5	96.3	54.8	41.5
45 to 64 years	100.0	2.5	2.1	95.4	58.1	37.3
65 years and over	100.0	3.6	34.5	61.9	39.2	22.7
Females, 16 years and over	100.0	4.0	24.4	71.6	57.1	14.4
16 to 21 years	100.0	4.9	41.9	53.3	45.2	8.0
16 to 19 years	100.0	5.0	56.0	39.0	34.1	4.8
16 and 17 years	100.0	2.5	88.7	8.8	7.9	.9
18 and 19 years	100.0	6.6	35.3	58.0	50.7	7.3
20 years and over	100.0	3.9	21.3	74.8	59.4	15.4
20 to 24 years	100.0	3.9	17.1	79.0	64.9	14.1
25 years and over	100.0	3.9	22.1	73.9	58.3	15.6
25 to 44 years	100.0	3.7	22.6	73.7	59.5	14.2
45 to 64 years	100.0	4.2	19.4	76.4	59.4	17.0
65 years and over	100.0	3.8	45.3	50.9	33.1	17.7
COLOR						
White	100.0	2.9	14.3	82.8	54.0	28.8
Male	100.0	2.4	7.5	90.1	52.4	37.7
Female	100.0	3.6	25.1	71.3	56.5	14.8
Negro and other races	100.0	5.8	12.1	82.1	63.4	18.7
Male	100.0	4.9	6.2	88.9	64.8	24.1
Female	100.0	7.1	19.3	73.6	61.7	11.9
MARITAL STATUS						
Male:						
Married, wife present	100.0	2.3	3.0	94.7	54.9	39.8
Widowed, divorced, or separated	100.0	3.9	6.0	90.1	57.1	33.0
Single (never married)	100.0	4.0	28.7	67.2	46.1	21.1
Female:						
Married, husband present	100.0	3.6	25.0	71.4	57.7	13.7
Widowed, divorced, or separated	100.0	5.4	15.4	79.3	60.1	19.2
Single (never married)	100.0	4.0	30.4	65.6	53.2	12.4

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

December 1970

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.....	37,660	516	5,436	31,708	20,133	4,183	7,392	40.0	44.0
Professional and technical.....	11,144	110	1,342	9,692	6,025	1,323	2,344	40.6	44.0
Managers, officials, and proprietors.....	8,064	73	335	7,656	3,236	1,197	3,222	47.5	48.9
Clerical workers.....	13,312	195	2,373	10,744	8,829	1,099	816	36.2	40.4
Sales workers.....	5,140	137	1,386	3,617	2,043	564	1,010	37.0	44.6
Blue-collar workers.....	26,073	1,358	1,723	22,992	16,122	3,574	3,296	39.7	42.3
Craftsmen and foremen.....	9,702	345	276	9,081	6,063	1,593	1,425	41.2	42.6
Operatives.....	13,008	745	899	11,364	8,080	1,680	1,604	39.7	42.4
Nonfarm laborers.....	3,363	268	549	2,546	1,976	302	268	35.3	41.0
Service workers.....	9,501	486	3,147	5,868	3,988	869	1,011	33.4	43.4
Private household.....	1,567	165	851	551	371	79	101	24.2	43.8
Other service workers.....	7,934	321	2,297	5,316	3,616	790	910	35.2	43.4
MALE									
White-collar workers.....	19,713	197	1,322	18,194	9,323	2,785	6,086	44.4	46.5
Professional and technical.....	6,727	52	386	6,289	3,624	838	1,827	43.5	45.3
Managers, officials, and proprietors.....	6,788	55	179	6,554	2,611	1,050	2,893	48.3	49.3
Clerical workers.....	3,396	37	376	2,983	1,996	497	491	39.8	42.8
Sales workers.....	2,803	53	382	2,368	1,093	400	875	42.3	46.6
Blue-collar workers.....	21,598	926	1,278	19,394	13,058	3,168	3,168	40.5	42.8
Craftsmen and foremen.....	9,374	333	234	8,807	5,863	1,539	1,405	41.4	42.6
Operatives.....	8,995	338	522	8,135	5,287	1,345	1,503	41.4	43.6
Nonfarm laborers.....	3,230	254	522	2,454	1,910	285	260	35.4	41.0
Service workers.....	3,195	78	690	2,427	1,454	376	597	38.5	45.4
Private household.....	30	4	16	10	8	1	1	20.8	44.7
Other service workers.....	3,165	73	674	2,418	1,448	375	594	38.7	45.4
FEMALE									
White-collar workers.....	17,947	319	4,114	13,514	10,809	1,399	1,306	35.3	40.7
Professional and technical.....	4,417	58	956	3,403	2,400	485	517	36.1	41.7
Managers, officials, and proprietors.....	1,276	19	156	1,101	624	148	329	42.9	46.4
Clerical workers.....	9,916	158	1,998	7,760	6,833	602	324	35.0	39.4
Sales workers.....	2,338	84	1,004	1,250	951	164	136	30.6	41.0
Blue-collar workers.....	4,475	432	445	3,598	3,063	406	129	35.9	39.4
Craftsmen and foremen.....	329	12	41	276	203	54	19	37.1	40.8
Operatives.....	4,013	407	377	3,229	2,792	335	102	35.9	39.3
Nonfarm laborers.....	134	14	27	93	68	17	8	32.8	40.5
Service workers.....	6,307	409	2,457	3,441	2,533	493	415	30.8	42.0
Private household.....	1,538	161	834	543	365	78	100	24.3	43.7
Other service workers.....	4,769	248	1,623	2,898	2,169	414	316	32.9	41.7

A-26: Persons at work in nonfarm occupations by full- or part-time status and sex--Continued
December 1970

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	1.4	14.4	84.2	53.5	11.1	19.6
Professional and technical	100.0	1.0	12.0	87.0	54.1	11.9	21.0
Managers, officials, and proprietors	100.0	.9	4.2	94.9	40.1	14.8	40.0
Clerical workers	100.0	1.5	17.8	80.7	66.3	8.3	6.1
Sales workers	100.0	2.7	27.0	70.4	39.7	11.0	19.6
Blue-collar workers	100.0	5.2	6.6	88.2	61.8	13.7	12.6
Craftsmen and foremen	100.0	3.6	2.8	93.6	62.5	16.4	14.7
Operatives	100.0	5.7	6.9	87.4	62.1	12.9	12.3
Nonfarm laborers	100.0	8.0	16.3	75.7	58.8	9.0	8.0
Service workers	100.0	5.1	33.1	61.8	42.0	9.1	10.6
Private household	100.0	10.5	54.3	35.2	23.7	5.0	6.4
Other service workers	100.0	4.0	29.0	67.0	45.6	10.0	11.5
MALE							
White-collar workers	100.0	1.0	6.7	92.3	47.3	14.1	30.9
Professional and technical	100.0	.8	5.7	93.5	53.9	12.5	27.2
Managers, officials, and proprietors	100.0	.8	2.6	96.6	38.5	15.5	42.6
Clerical workers	100.0	1.1	11.1	87.8	58.8	14.6	14.5
Sales workers	100.0	1.9	13.6	84.5	39.0	14.3	31.2
Blue-collar workers	100.0	4.3	5.9	89.8	60.5	14.7	14.7
Craftsmen and foremen	100.0	3.6	2.5	94.0	62.5	16.4	15.0
Operatives	100.0	3.8	5.8	90.4	58.8	15.0	16.7
Nonfarm laborers	100.0	7.9	16.2	76.0	59.1	8.8	8.0
Service workers	100.0	2.4	21.6	76.0	45.5	11.8	18.7
Private household	100.0	13.3	53.3	33.3	26.7	3.3	3.3
Other service workers	100.0	2.3	21.3	76.4	45.8	11.8	18.8
FEMALE							
White-collar workers	100.0	1.8	22.9	75.3	60.2	7.8	7.3
Professional and technical	100.0	1.3	21.6	77.0	54.3	11.0	11.7
Managers, officials, and proprietors	100.0	1.5	12.2	86.3	48.9	11.6	25.8
Clerical workers	100.0	1.6	20.1	78.3	68.9	6.1	3.3
Sales workers	100.0	3.6	42.9	53.5	40.7	7.0	5.8
Blue-collar workers	100.0	9.7	9.9	80.4	68.4	9.1	2.9
Craftsmen and foremen	100.0	3.6	12.5	83.9	61.7	16.4	5.8
Operatives	100.0	10.1	9.4	80.5	69.6	8.3	2.5
Nonfarm laborers	100.0	10.4	20.1	69.4	50.7	12.7	6.0
Service workers	100.0	6.5	39.0	54.6	40.2	7.8	6.6
Private household	100.0	10.5	54.2	35.3	23.7	5.1	6.5
Other service workers	100.0	5.2	34.0	60.8	45.5	8.7	6.6

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

December 1970

(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.....	8,044	4,077	3,967	6,903	3,510	3,393	1,141	567	574
Civilian labor force.....	1,312	689	622	1,207	627	580	104	62	42
Employed.....	1,166	601	566	1,099	557	542	68	44	23
Agriculture.....	83	76	7	75	71	4	8	5	3
Nonagricultural industries.....	1,083	525	558	1,024	485	538	59	39	20
Unemployed.....	145	88	57	109	71	38	37	18	19
Not in labor force.....	6,733	3,388	3,345	5,696	2,883	2,813	1,037	505	532
Keeping house.....	47	11	36	45	11	33	3	-	3
Going to school.....	6,622	3,341	3,282	5,595	2,841	2,754	1,027	499	528
Unable to work.....	2	-	2	2	-	2	-	-	-
All other reasons.....	61	36	25	54	31	23	7	6	1

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

December 1970

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,166	601	566	100.0	100.0	100.0
Nonagricultural industries.....	1,083	525	558	92.9	87.4	98.6
Wage and salary workers.....	980	434	546	84.1	72.2	96.5
Private household workers.....	477	60	417	40.9	10.0	73.7
Government workers.....	34	23	12	2.9	3.8	2.1
Other wage and salary workers.....	469	351	117	40.3	58.4	20.7
Self-employed workers.....	85	75	11	7.3	12.5	1.9
Unpaid family workers.....	17	16	1	1.5	2.7	.2
Agriculture.....	83	76	7	7.1	12.6	1.4
Wage and salary workers.....	34	30	4	2.9	5.0	.7
Self-employed workers.....	4	5	-	.3	.8	-
Unpaid family workers.....	45	41	4	3.9	6.8	.7
OCCUPATION						
Total.....	1,166	601	566	100.0	100.0	100.0
White-collar workers.....	285	224	62	24.4	37.2	11.0
Professional and technical.....	19	9	10	1.6	1.5	1.8
Managers, officials, and proprietors.....	1	1	-	.1	.2	-
Clerical workers.....	41	17	24	3.5	2.8	4.2
Sales workers.....	224	196	28	19.2	32.7	4.9
Blue-collar workers.....	193	170	23	16.6	28.3	3.9
Craftsmen and foremen.....	8	7	1	.7	1.2	.2
Operatives.....	66	53	13	5.7	8.8	2.3
Nonfarm laborers.....	119	110	8	10.2	18.3	1.4
Service workers.....	608	134	474	52.1	22.3	83.7
Private household workers.....	447	30	417	38.3	5.0	73.7
Other service workers.....	161	104	57	13.8	17.3	10.1
Farm workers.....	80	73	7	6.9	12.2	1.4
Farmers and farm managers.....	3	4	-	.3	.7	-
Farm laborers and foremen.....	77	69	8	6.6	11.5	1.4

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	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Total													
Total labor force	86,459	86,432	86,432	86,140	85,810	85,967	85,304	85,783	86,143	86,087	85,590	85,599	85,023
Civilian labor force	83,446	83,393	83,353	83,031	82,676	82,813	82,125	82,555	82,872	82,769	82,249	82,213	81,583
Employed	78,472	78,535	78,686	78,424	78,445	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737
Agriculture	3,411	3,333	3,288	3,399	3,420	3,519	3,554	3,613	3,586	3,550	3,499	3,426	3,435
Nonagricultural industries	75,061	75,202	75,398	75,025	75,025	75,119	74,671	74,836	75,338	75,562	75,323	75,615	75,302
On part time for economic reasons	2,518	2,330	2,423	2,110	2,298	2,326	2,105	2,249	2,360	1,936	1,821	1,915	1,858
Usually work full time	1,388	1,201	1,342	1,029	1,329	1,240	1,126	1,253	1,400	1,093	1,044	1,036	1,046
Usually work part time	1,130	1,129	1,081	1,081	969	1,086	979	996	960	843	777	879	812
Unemployed	4,974	4,858	4,667	4,607	4,231	4,175	3,900	4,106	3,948	3,657	3,427	3,172	2,846
Men, 20 years and over													
Total labor force	50,047	50,139	50,173	50,136	49,905	50,024	49,906	50,020	50,032	49,920	49,707	49,736	49,534
Civilian labor force	47,420	47,503	47,502	47,439	47,178	47,294	47,154	47,226	47,199	47,060	46,836	46,826	46,578
Employed	45,365	45,511	45,538	45,522	45,424	45,524	45,521	45,593	45,667	45,709	45,534	45,674	45,553
Agriculture	2,458	2,452	2,451	2,510	2,523	2,593	2,603	2,625	2,602	2,537	2,479	2,473	2,499
Nonagricultural industries	42,907	43,059	43,087	43,012	42,901	42,931	42,918	42,968	43,065	43,172	43,055	43,201	43,054
Unemployed	2,055	1,992	1,964	1,917	1,754	1,770	1,633	1,633	1,532	1,351	1,302	1,152	1,025
Women, 20 years and over													
Civilian labor force	28,654	28,541	28,534	28,200	28,447	28,500	28,026	27,885	28,274	28,295	28,066	28,073	27,875
Employed	27,025	26,962	27,082	26,750	27,092	27,073	26,772	26,476	27,022	27,016	26,925	27,060	26,897
Agriculture	549	514	505	507	514	545	573	567	571	583	630	586	585
Nonagricultural industries	26,476	26,448	26,577	26,243	26,578	26,528	26,199	25,909	26,451	26,433	26,295	26,474	26,312
Unemployed	1,629	1,579	1,452	1,450	1,355	1,427	1,254	1,409	1,252	1,279	1,141	1,013	978
Both sexes, 16-19 years													
Civilian labor force	7,372	7,349	7,317	7,392	7,051	7,019	6,945	7,444	7,399	7,414	7,347	7,314	7,130
Employed	6,082	6,062	6,066	6,152	5,929	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287
Agriculture	404	367	332	382	383	381	378	421	413	430	390	367	351
Nonagricultural industries	5,678	5,695	5,734	5,770	5,546	5,660	5,554	5,959	5,822	5,957	5,973	5,940	5,936
Unemployed	1,290	1,287	1,251	1,240	1,122	978	1,013	1,064	1,164	1,027	984	1,007	843

NOTE: Because of the independent seasonal adjustment of the various series, detail for the household data shown in tables A-29 through A-36 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	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Full time													
Total, 16 years and over:													
Civilian labor force	72,016	71,808	71,608	71,445	71,086	71,132	70,653	71,116	70,810	70,557	70,407	70,623	70,269
Employed	67,854	67,879	68,048	67,900	67,778	67,855	67,585	67,742	67,720	67,707	67,781	68,235	68,017
Unemployed	4,162	3,929	3,560	3,545	3,308	3,277	3,068	3,374	3,090	2,850	2,626	2,388	2,252
Unemployment rate	5.8	5.5	5.0	5.0	4.7	4.6	4.3	4.7	4.4	4.0	3.7	3.4	3.2
Men, 20 years and over:													
Civilian labor force	45,266	45,229	45,209	45,120	44,896	45,042	44,966	45,061	44,898	44,715	44,536	44,604	44,486
Employed	43,274	43,402	43,448	43,403	43,339	43,403	43,476	43,554	43,487	43,460	43,348	43,561	43,506
Unemployed	1,992	1,827	1,761	1,717	1,557	1,639	1,490	1,507	1,411	1,255	1,188	1,043	980
Unemployment rate	4.4	4.0	3.9	3.8	3.5	3.6	3.3	3.3	3.1	2.8	2.7	2.3	2.2
Women, 20 years and over:													
Civilian labor force	22,541	22,467	22,436	22,233	22,439	22,295	22,050	21,937	22,054	21,982	21,965	22,146	21,813
Employed	21,212	21,178	21,303	21,102	21,309	21,211	21,046	20,736	21,042	20,982	21,087	21,332	21,089
Unemployed	1,329	1,289	1,133	1,131	1,130	1,084	1,004	1,201	1,012	1,000	878	814	724
Unemployment rate	5.9	5.7	5.0	5.1	5.0	4.9	4.6	5.5	4.6	4.5	4.0	3.7	3.3
Part time													
Total, 16 years and over:													
Civilian labor force	11,542	11,684	11,680	11,641	11,944	11,640	11,455	11,425	11,949	11,958	11,634	11,803	11,360
Employed	10,570	10,732	10,719	10,638	10,984	10,775	10,685	10,689	11,064	11,109	10,828	10,946	10,677
Unemployed	972	952	961	1,003	960	865	770	736	885	849	806	857	683
Unemployment rate	8.4	8.1	8.2	8.6	8.0	7.4	6.7	6.4	7.4	7.1	6.9	7.3	6.0

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	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
White													
Total:													
Civilian labor force	74,192	74,312	74,223	73,788	73,332	73,454	72,770	73,358	73,662	73,621	73,169	73,159	72,589
Employed	70,102	70,231	70,345	70,023	69,838	70,008	69,681	69,998	70,499	70,617	70,406	70,558	70,266
Unemployed	4,090	4,081	3,878	3,765	3,494	3,446	3,089	3,360	3,163	3,004	2,763	2,601	2,323
Unemployment rate	5.5	5.5	5.2	5.1	4.8	4.7	4.2	4.6	4.3	4.1	3.8	3.6	3.2
Males, 20 years and over:													
Civilian labor force	42,655	42,811	42,757	42,640	42,407	42,462	42,411	42,480	42,498	42,407	42,194	42,133	41,953
Employed	40,983	41,086	41,076	41,061	40,923	40,974	41,039	41,123	41,232	41,260	41,115	41,165	41,122
Unemployed	1,672	1,725	1,681	1,579	1,484	1,488	1,372	1,357	1,266	1,147	1,079	968	831
Unemployment rate	3.9	4.0	3.9	3.7	3.5	3.5	3.2	3.2	3.0	2.7	2.6	2.3	2.0
Females, 20 years and over:													
Civilian labor force	25,003	24,889	24,923	24,516	24,700	24,775	24,275	24,259	24,601	24,599	24,437	24,504	24,243
Employed	23,641	23,589	23,728	23,346	23,583	23,584	23,278	23,139	23,623	23,576	23,520	23,665	23,429
Unemployed	1,362	1,300	1,195	1,170	1,117	1,191	997	1,120	978	1,023	917	839	814
Unemployment rate	5.4	5.2	4.8	4.8	4.5	4.8	4.1	4.6	4.0	4.2	3.8	3.4	3.4
Both sexes, 16 to 19 years:													
Civilian labor force	6,534	6,612	6,543	6,632	6,225	6,217	6,084	6,619	6,563	6,615	6,538	6,522	6,393
Employed	5,478	5,556	5,541	5,616	5,332	5,450	5,364	5,736	5,644	5,781	5,771	5,728	5,715
Unemployed	1,056	1,056	1,002	1,016	893	767	720	883	919	834	767	794	678
Unemployment rate	16.2	16.0	15.3	15.3	14.3	12.3	11.8	13.3	14.0	12.6	11.7	12.2	10.6
Negro and other races													
Total:													
Civilian labor force	9,257	9,159	9,086	9,124	9,263	9,243	9,231	9,235	9,213	9,253	9,160	9,259	9,115
Employed	8,398	8,357	8,241	8,302	8,488	8,480	8,427	8,500	8,414	8,598	8,520	8,675	8,598
Unemployed	859	802	845	822	775	763	804	735	799	655	640	584	517
Unemployment rate	9.3	8.8	9.3	9.0	8.4	8.3	8.7	8.0	8.7	7.1	7.0	6.3	5.7
Males, 20 years and over:													
Civilian labor force	4,782	4,731	4,729	4,765	4,776	4,790	4,734	4,729	4,656	4,693	4,675	4,731	4,657
Employed	4,434	4,454	4,395	4,447	4,507	4,499	4,448	4,455	4,399	4,484	4,461	4,550	4,480
Unemployed	348	277	334	318	269	291	286	274	257	209	214	181	177
Unemployment rate	7.3	5.9	7.1	6.7	5.6	6.1	6.0	5.8	5.5	4.5	4.6	3.8	3.8
Females, 20 years and over:													
Civilian labor force	3,690	3,642	3,586	3,614	3,689	3,655	3,682	3,669	3,713	3,715	3,656	3,676	3,664
Employed	3,425	3,368	3,329	3,346	3,419	3,412	3,425	3,403	3,421	3,466	3,440	3,497	3,502
Unemployed	265	274	257	268	270	243	257	266	292	249	216	179	162
Unemployment rate	7.2	7.5	7.2	7.4	7.3	6.6	7.0	7.2	7.9	6.7	5.9	4.9	4.4
Both sexes, 16 to 19 years:													
Civilian labor force	785	786	771	745	798	798	815	837	844	845	829	852	794
Employed	539	535	517	509	562	569	554	642	594	648	619	628	616
Unemployed	246	251	254	236	236	229	261	195	250	197	210	224	178
Unemployment rate	31.3	31.9	32.9	31.7	29.6	28.7	32.0	23.3	29.6	23.3	25.3	26.3	22.4

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

(In thousands)

Duration of unemployment	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Less than 5 weeks	2,299	2,289	2,447	2,331	2,206	2,061	1,961	2,219	2,295	1,995	1,973	1,756	1,515
5 to 14 weeks	1,591	1,756	1,507	1,501	1,320	1,334	1,303	1,214	1,075	1,154	1,016	914	893
15 weeks and over	1,045	870	745	792	736	711	685	612	569	545	465	409	392
15 to 26 weeks	697	550	496	501	479	470	450	352	372	363	306	276	272
27 weeks and over	348	320	249	291	257	241	235	260	197	182	159	133	120
Average (mean) duration	9.8	9.4	8.3	8.9	8.8	9.3	9.5	9.0	8.2	8.4	8.1	7.8	8.1

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Total (all civilian workers).....	6.0	5.8	5.6	5.5	5.1	5.0	4.7	5.0	4.8	4.4	4.2	3.9	3.5
Men, 20 years and over.....	4.3	4.2	4.1	4.0	3.7	3.7	3.5	3.5	3.2	2.9	2.8	3.5	2.2
Women, 20 years and over.....	5.7	5.5	5.1	5.1	4.8	5.0	4.5	5.1	4.4	4.5	4.1	3.6	3.5
Both sexes, 16-19 years.....	17.5	17.5	17.1	16.8	15.9	13.9	14.6	14.3	15.7	13.9	13.4	13.8	11.8
White.....	5.5	5.5	5.2	5.1	4.8	4.7	4.2	4.6	4.3	4.1	3.8	3.6	3.2
Negro and other races.....	9.3	8.8	9.3	9.0	8.4	8.3	8.7	8.0	8.7	7.1	7.0	6.3	5.7
Married men.....	3.3	3.2	3.1	2.9	2.8	2.7	2.5	2.6	2.4	2.2	2.0	1.8	1.7
Full-time workers.....	5.8	5.5	5.0	5.0	4.7	4.6	4.3	4.7	4.4	4.0	3.7	3.4	3.2
Part-time workers.....	8.4	8.1	8.2	8.6	8.0	7.4	6.7	6.4	7.4	7.1	6.9	7.3	6.0
Unemployed 15 weeks and over ¹	1.3	1.0	.9	1.0	.9	.9	.8	.7	.7	.7	.6	.5	.5
State insured ²	4.2	4.5	4.4	4.2	3.7	3.5	3.7	3.6	3.1	2.7	2.7	2.5	2.4
Labor force time lost ³	6.3	6.2	6.2	6.0	5.5	5.4	4.9	5.4	5.1	4.8	4.5	4.2	3.9
Occupation													
White-collar workers.....	3.7	3.5	3.2	2.8	2.7	3.1	2.6	2.8	2.9	2.7	2.3	2.1	2.1
Professional and technical.....	3.0	2.4	2.0	1.9	1.9	2.2	1.5	2.1	2.1	2.3	1.7	1.5	1.8
Managers, officials, and proprietors.....	1.7	1.7	1.4	1.5	1.3	1.7	1.5	1.1	1.2	1.2	1.0	.9	1.0
Clerical workers.....	5.1	5.2	4.7	3.9	3.9	4.4	4.0	3.9	4.0	3.6	3.2	3.1	2.8
Sales workers.....	4.8	4.6	4.3	3.9	4.0	4.0	3.4	4.4	4.1	3.5	3.4	2.8	2.6
Blue-collar workers.....	7.7	7.3	7.2	7.5	7.0	6.6	6.3	6.2	5.7	5.2	5.0	4.6	4.3
Craftsmen and foremen.....	4.8	4.4	4.1	5.8	4.4	4.4	4.0	4.2	3.5	3.1	2.5	2.3	2.3
Operatives.....	8.9	8.7	8.5	7.6	7.9	7.2	6.8	6.7	6.3	6.2	6.0	5.1	5.0
Nonfarm laborers.....	10.9	10.0	10.7	11.7	10.2	9.9	10.4	9.1	8.8	7.4	7.7	8.5	7.4
Service workers.....	6.1	5.9	5.8	5.8	5.5	5.3	5.0	4.9	5.0	4.9	4.8	4.5	3.6
Farm workers.....	3.5	2.2	2.9	4.1	2.8	2.7	2.0	3.5	2.1	2.3	1.9	2.1	2.1
Industry													
Private wage and salary workers ⁴	6.4	6.2	6.0	6.0	5.5	5.6	5.2	5.2	4.8	4.6	4.3	3.9	3.6
Construction.....	11.0	9.1	11.9	13.8	12.2	11.0	10.9	11.9	8.1	8.1	7.9	7.1	6.0
Manufacturing.....	7.5	7.2	6.7	6.1	5.7	6.0	5.3	5.2	4.7	4.7	4.6	3.8	3.8
Durable goods.....	8.0	8.1	7.1	6.3	5.5	5.9	5.1	4.9	4.9	4.8	4.7	3.8	3.7
Nondurable goods.....	6.9	6.0	6.1	5.8	5.9	6.2	5.6	5.7	4.5	4.6	4.4	3.8	3.9
Transportation and public utilities.....	4.0	3.6	3.5	2.8	3.1	3.3	3.3	3.3	3.9	3.1	2.4	2.9	2.4
Wholesale and retail trade.....	6.4	6.1	5.9	6.0	5.4	5.3	5.4	5.1	5.5	4.7	4.7	4.3	3.9
Finance and service industries.....	4.7	5.0	4.5	5.0	4.4	4.8	4.1	4.2	3.9	4.0	3.2	3.1	2.7
Government wage and salary workers.....	3.0	2.9	2.6	1.9	2.1	2.0	1.9	2.2	2.2	2.1	2.0	2.2	2.0
Agricultural wage and salary workers.....	9.9	7.8	8.4	10.2	8.2	8.6	5.5	9.3	5.9	6.4	5.8	6.2	6.5

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	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Total, 16 years and over	6.0	5.8	5.6	5.5	5.1	5.0	4.7	5.0	4.8	4.4	4.2	3.9	3.5
16 to 19 years	17.5	17.5	17.1	16.8	15.9	13.9	14.6	14.3	15.7	13.9	13.4	13.8	11.8
16 and 17 years	19.3	18.2	20.1	19.6	17.4	15.2	16.0	15.6	18.7	15.7	16.3	17.2	13.7
18 and 19 years	16.1	16.3	15.1	14.6	14.7	13.2	13.3	13.8	13.8	12.4	11.7	11.6	10.2
20 to 24 years	9.8	9.9	9.5	9.8	8.3	8.6	7.4	8.1	7.7	6.8	7.3	6.1	5.8
25 years and over	4.1	3.8	3.7	3.5	3.4	3.5	3.2	3.3	3.1	3.0	2.6	2.4	2.2
25 to 54 years	4.3	4.1	3.9	3.6	3.6	3.7	3.3	3.4	3.2	3.1	2.7	2.5	2.3
55 years and over	3.5	3.2	3.1	3.1	2.7	2.9	3.0	3.3	2.8	2.7	2.4	2.0	2.1
Males, 16 years and over	5.4	5.2	5.1	5.0	4.6	4.5	4.3	4.4	4.2	3.6	3.6	3.3	2.9
16 to 19 years	16.8	16.6	17.1	16.7	15.8	14.1	14.8	15.0	15.2	12.5	13.0	12.6	11.0
16 and 17 years	19.4	17.6	19.9	19.6	17.2	15.2	16.6	16.4	17.2	14.6	15.4	14.9	13.1
18 and 19 years	14.7	14.7	15.0	14.1	14.6	13.6	13.2	14.6	13.9	10.8	11.0	10.8	9.3
20 to 24 years	10.3	10.2	11.3	11.0	8.5	9.1	7.2	7.7	7.9	6.4	6.9	6.1	5.5
25 years and over	3.6	3.3	3.2	3.0	3.0	3.0	2.9	2.9	2.6	2.4	2.2	2.0	1.8
25 to 54 years	3.5	3.5	3.3	2.9	3.0	3.0	2.9	2.8	2.6	2.3	2.1	2.0	1.7
55 years and over	3.7	3.4	3.1	3.1	2.9	2.8	2.8	3.1	2.8	2.8	2.4	2.1	2.2
Females, 16 years and over	7.0	6.9	6.3	6.4	5.9	5.9	5.5	5.9	5.7	5.7	5.1	4.8	4.5
16 to 19 years	18.4	18.6	17.1	16.9	16.0	13.7	14.3	13.4	16.4	15.6	13.9	15.2	12.8
16 and 17 years	19.1	19.1	20.4	19.6	17.6	15.1	15.3	14.6	20.6	17.0	17.3	20.3	14.7
18 and 19 years	17.9	18.2	15.2	15.1	14.9	12.7	13.4	12.9	13.7	14.3	12.7	12.4	11.2
20 to 24 years	9.1	9.5	7.5	8.4	8.0	8.1	7.7	8.7	7.5	7.2	7.6	6.2	6.1
25 years and over	5.0	4.7	4.7	4.4	4.1	4.5	3.8	4.2	3.8	4.0	3.3	3.0	3.0
25 to 54 years	5.6	5.3	5.1	4.8	4.6	4.8	4.1	4.3	4.2	4.4	3.6	3.3	3.3
55 years and over	3.0	2.8	3.2	3.2	2.5	3.1	3.2	3.6	2.7	2.5	2.3	1.7	1.9

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

(Numbers in thousands)

Reason for unemployment	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Number of unemployed													
Lost last job	2,492	2,290	2,137	2,048	1,946	1,833	1,928	1,912	1,613	1,503	1,390	1,202	1,170
Left last job	607	593	573	556	570	600	569	550	573	466	473	460	455
Reentered labor force	1,408	1,381	1,238	1,371	1,296	1,284	1,036	1,168	1,207	1,225	1,089	1,106	916
Never worked before	551	571	569	572	495	439	468	464	550	479	477	509	358
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	49.3	47.4	47.3	45.0	45.2	44.1	48.2	46.7	40.9	40.9	40.5	36.7	40.4
Left last job	12.0	12.3	12.7	12.2	13.2	14.4	14.2	13.4	14.5	12.7	13.8	14.0	15.7
Reentered labor force	27.8	28.6	27.4	30.2	30.1	30.9	25.9	28.5	30.6	33.4	31.8	33.8	31.6
Never worked before	10.9	11.8	12.6	12.6	11.5	10.6	11.7	11.3	13.9	13.0	13.9	15.5	12.3
Unemployed as a percent of the civilian labor force													
Lost last job	3.0	2.7	2.6	2.5	2.3	2.1	2.3	2.3	1.9	1.8	1.7	1.5	1.4
Left last job .....	.7	.7	.7	.7	.7	.8	.7	.7	.7	.6	.6	.6	.6
Reentered labor force	1.7	1.7	1.5	1.7	1.5	1.6	1.3	1.4	1.5	1.5	1.3	1.3	1.1
Never worked before .....	.7	.7	.7	.7	.6	.9	.6	.6	.7	.6	.6	.6	.5

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(In thousands)

Sex and age	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Total													
16 years and over	78,472	78,535	78,686	78,424	78,445	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737
16 to 19 years	6,082	6,062	6,066	6,152	5,929	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287
16 and 17 years	2,542	2,552	2,513	2,588	2,519	2,532	2,484	2,686	2,656	2,774	2,760	2,713	2,667
18 and 19 years	3,559	3,535	3,545	3,558	3,380	3,467	3,440	3,672	3,590	3,654	3,634	3,647	3,660
20 to 24 years	9,849	9,871	9,946	9,878	9,803	9,745	9,588	9,593	9,583	9,593	9,538	9,644	9,441
25 years and over	62,537	62,624	62,699	62,411	62,694	62,787	62,626	62,557	63,078	63,134	62,970	63,132	62,998
25 to 54 years	48,535	48,595	48,564	48,406	48,621	48,658	48,607	48,558	48,909	48,846	48,821	49,043	48,945
55 years and over	14,072	14,017	14,051	13,950	14,041	14,045	13,965	13,980	14,188	14,326	14,203	14,223	14,117
Male													
16 years and over	48,869	48,950	48,864	48,899	48,662	48,855	48,778	49,081	49,099	49,313	49,058	49,204	49,055
16 to 19 years	3,504	3,439	3,326	3,377	3,238	3,331	3,257	3,488	3,432	3,604	3,524	3,530	3,502
16 and 17 years	1,537	1,501	1,425	1,492	1,446	1,489	1,445	1,519	1,529	1,601	1,558	1,580	1,550
18 and 19 years	1,984	1,959	1,905	1,892	1,772	1,812	1,809	1,954	1,896	2,027	1,984	1,974	1,987
20 to 24 years	5,383	5,342	5,303	5,326	5,260	5,215	5,188	5,213	5,154	5,146	5,102	5,117	5,093
25 years and over	40,031	40,144	40,217	40,207	40,180	40,260	40,288	40,395	40,501	40,567	40,468	40,571	40,500
25 to 54 years	31,173	31,258	31,258	31,280	31,206	31,278	31,280	31,328	31,369	31,402	31,352	31,409	31,469
55 years and over	8,891	8,898	8,936	8,908	8,952	8,965	8,972	9,073	9,131	9,181	9,148	9,209	9,067
Female													
16 years and over	29,603	29,585	29,822	29,525	29,783	29,783	29,447	29,368	29,825	29,799	29,764	29,837	29,682
16 to 19 years	2,578	2,623	2,740	2,775	2,691	2,710	2,675	2,892	2,803	2,783	2,839	2,777	2,785
16 and 17 years	1,005	1,051	1,088	1,096	1,073	1,043	1,039	1,167	1,127	1,173	1,202	1,133	1,117
18 and 19 years	1,575	1,576	1,640	1,666	1,608	1,655	1,631	1,718	1,694	1,627	1,650	1,673	1,673
20 to 24 years	4,466	4,529	4,643	4,552	4,543	4,530	4,400	4,380	4,429	4,447	4,436	4,527	4,348
25 years and over	22,506	22,480	22,482	22,204	22,514	22,527	22,338	22,162	22,577	22,576	22,502	22,561	22,498
25 to 54 years	17,362	17,337	17,306	17,126	17,415	17,380	17,327	17,230	17,540	17,444	17,469	17,634	17,476
55 years and over	5,181	5,119	5,115	5,042	5,089	5,080	4,993	4,907	5,057	5,145	5,055	5,014	5,050

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

(In thousands)

Occupation group	1970												1969
	Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
White-collar workers	38,106	38,159	38,167	37,945	37,852	38,019	38,049	37,889	38,006	37,936	37,927	37,950	37,641
Professional and technical	11,153	11,146	11,183	11,211	11,280	11,281	11,198	11,023	11,166	11,016	10,966	11,097	11,007
Managers, officials, and proprietors	8,391	8,454	8,357	8,221	8,224	8,300	8,285	8,378	8,206	8,268	8,186	8,190	8,164
Clerical workers	13,613	13,618	13,713	13,647	13,450	13,582	13,696	13,700	13,848	13,884	13,965	13,869	13,699
Sales workers	4,949	4,941	4,914	4,866	4,898	4,856	4,870	4,788	4,786	4,768	4,810	4,794	4,771
Blue-collar workers	27,478	27,715	27,739	27,559	27,685	27,677	27,441	27,621	27,927	28,192	28,274	28,241	28,323
Craftsmen and foremen	10,201	10,183	10,195	10,119	10,042	10,074	10,079	10,036	10,211	10,375	10,268	10,148	10,323
Operatives	13,569	13,747	13,923	13,755	13,851	13,867	13,790	13,863	14,021	14,018	14,204	14,281	14,268
Nonfarm laborers	3,708	3,785	3,621	3,685	3,792	3,736	3,572	3,722	3,695	3,799	3,802	3,812	3,732
Service workers	9,800	9,743	9,836	9,956	9,781	9,648	9,544	9,589	9,634	9,729	9,562	9,728	9,688
Farmers and farm laborers	3,041	2,969	2,982	3,087	3,057	3,180	3,226	3,266	3,210	3,214	3,160	3,084	3,037

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry

SIC CODE	Industry	(In thousands)									
		All employees					Production workers ¹				
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
-	TOTAL	71,309	70,632	70,692	71,760	71,354	-	-	-	-	-
-	PRIVATE SECTOR	58,288	57,701	57,874	59,206	58,893	48,226	47,618	47,763	49,097	48,797
-	MINING	621	624	622	623	622	470	474	473	475	474
10	METAL MINING	-	94.2	94.7	91.1	90.7	-	75.5	76.0	73.9	73.5
101	Iron ores	-	25.2	26.2	25.2	25.4	-	20.4	21.1	20.5	20.7
102	Copper ores	-	37.6	37.4	34.9	34.6	-	29.8	29.6	28.1	27.9
11,12	COAL MINING	-	151.3	148.8	138.7	138.4	-	131.1	128.8	120.4	120.0
12	Bituminous coal and lignite mining	-	145.5	143.1	132.9	123.7	-	125.9	123.7	115.3	114.9
13	OIL AND GAS EXTRACTION	-	261.5	260.4	278.9	275.6	-	171.8	170.4	187.3	184.5
131,2	Crude petroleum and natural gas fields	-	139.4	139.8	142.5	141.5	-	70.8	71.0	72.9	72.3
138	Oil and gas field services	-	122.1	120.6	136.4	134.1	-	101.0	99.4	114.4	112.2
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	116.5	118.5	113.9	117.1	-	95.6	97.5	93.2	96.1
142	Crushed and broken stone	-	42.0	42.7	39.4	40.9	-	35.3	36.0	33.0	34.5
144	Sand and gravel	-	37.8	39.0	36.3	37.8	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,215	3,376	3,471	3,398	3,553	2,666	2,823	2,915	2,858	3,010
15	GENERAL BUILDING CONTRACTORS	-	983.7	999.2	1,042.6	1,081.7	-	824.0	837.8	881.7	922.0
16	HEAVY CONSTRUCTION CONTRACTORS	-	766.8	818.8	676.7	761.8	-	653.8	704.4	571.4	656.0
161	Highway and street construction	-	340.9	379.2	281.2	350.7	-	300.7	338.4	244.1	312.3
162	Heavy construction, n e c	-	425.9	439.6	395.5	411.1	-	353.1	366.0	327.3	343.7
17	SPECIAL TRADE CONTRACTORS	-	1,625.4	1,653.3	1,678.2	1,709.9	-	1,345.0	1,373.1	1,399.8	1,432.4
171	Plumbing, heating, air conditioning	-	396.9	400.3	411.2	414.5	-	318.6	322.3	333.0	335.6
172	Painting, paper hanging, decorating	-	117.4	126.5	123.8	131.6	-	101.5	110.5	107.2	116.0
173	Electrical work	-	284.1	286.4	289.0	288.8	-	227.0	229.2	232.9	233.8
174	Masonry, stonework, and plastering	-	202.3	211.0	227.2	235.3	-	181.6	190.2	205.5	213.8
176	Roofing and sheet metal work	-	121.3	119.5	120.4	124.8	-	100.3	99.1	100.3	103.3
-	MANUFACTURING	18,946	18,653	18,850	20,110	20,194	13,718	13,414	13,575	14,680	14,763
19,24,25, 32-39	DURABLE GOODS	10,864	10,508	10,650	11,802	11,832	7,808	7,440	7,557	8,556	8,580
20-23, 26-31	NONDURABLE GOODS	8,082	8,145	8,200	8,308	8,362	5,910	5,974	6,018	6,124	6,183
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	220.7	224.1	228.1	291.3	297.1	117.3	118.9	121.9	165.9	169.6
192	Ammunition, except for small arms	153.9	155.5	157.3	209.4	213.6	76.0	76.4	77.6	112.9	115.2
1925	Complete guided missiles	-	95.7	96.1	113.5	115.3	-	29.8	29.8	35.5	36.1
1929	Ammunition, exc. for small arms, nec	-	59.8	61.2	95.9	98.3	-	46.6	47.8	77.4	79.1
24	LUMBER AND WOOD PRODUCTS	560.7	567.2	577.7	597.0	600.1	479.6	487.3	497.5	515.8	519.0
241	Logging camps & logging contractors	(*)	71.8	76.8	80.5	81.2	-	-	-	-	-
242	Sawmills and planing mills	205.1	207.9	211.7	223.6	224.4	185.6	188.6	192.2	203.0	203.9
2421	Sawmills and planing mills, general	-	176.3	178.9	187.3	188.1	-	160.4	162.8	170.2	171.2
243	Millwork, plywood & related products	165.6	167.7	168.6	166.6	168.1	136.8	139.1	140.2	138.5	139.9
2431	Millwork	-	73.7	74.2	72.0	72.5	-	59.1	59.9	57.9	58.3
2432	Veneer and plywood	-	72.0	72.1	73.5	73.8	-	64.2	64.3	65.8	66.2
244	Wooden containers	31.2	31.6	31.8	35.6	35.5	27.4	27.9	28.1	31.5	31.5
2441,2	Wooden boxes, shooks, and crates	-	25.2	25.3	28.3	28.4	-	22.3	22.4	25.1	25.2
249	Miscellaneous wood products	87.4	88.2	88.8	90.7	90.9	72.3	73.2	73.7	76.3	76.5

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				
		Dec. 1970 P	Nov. 1970 P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 P	Nov. 1970 P	Oct. 1970	Dec. 1969	Nov. 1969
<i>Durable Goods--Continued</i>											
TRANSPORTATION EQUIPMENT--Continued											
3732	Boat building and repairing.....	-	31.9	31.2	45.3	45.4	-	25.0	24.4	37.2	36.9
374	Railroad equipment.....	-	49.5	50.3	49.6	49.5	-	37.5	38.1	38.0	37.8
375,9	Other transportation equipment.....	-	104.3	103.6	99.8	101.5	-	85.4	84.6	81.1	83.0
38	INSTRUMENTS AND RELATED PRODUCTS	438.1	443.1	446.7	477.7	476.9	261.7	265.4	267.7	294.0	293.2
381	Engineering & scientific instruments.....	-	63.2	64.9	75.3	75.6	-	30.5	31.4	37.1	37.2
382	Mechanical measuring & control devices....	102.8	103.1	104.6	115.9	115.5	61.8	62.0	62.8	73.3	72.4
3821	Mechanical measuring devices.....	-	65.2	66.0	72.8	72.6	-	36.8	36.9	43.4	43.0
3822	Automatic temperature controls.....	-	37.9	38.6	43.1	42.9	-	25.2	25.9	29.9	29.4
383,5	Optical and ophthalmic goods.....	52.1	52.5	52.8	55.4	55.3	35.7	36.1	36.3	39.0	39.0
385	Ophthalmic goods.....	-	35.5	35.6	35.6	35.6	-	26.6	26.8	27.2	27.2
384	Medical instruments and supplies.....	85.0	85.1	84.4	85.4	84.8	55.9	56.2	55.7	57.9	57.5
386	Photographic equipment and supplies.....	(*)	108.6	109.1	112.0	111.7	(*)	56.2	56.6	59.4	59.4
387	Watches, clocks, and watchcases.....	-	30.6	30.9	33.7	34.0	-	24.4	24.9	27.3	27.7
MISCELLANEOUS MANUFACTURING											
39	INDUSTRIES	415.7	430.0	434.7	443.7	456.4	318.7	332.5	337.0	346.1	357.8
391	Jewelry, silverware, and plated ware.....	50.9	51.4	50.8	54.1	54.1	37.4	38.1	37.6	40.8	40.8
394	Toys and sporting goods.....	-	121.4	125.3	123.9	133.6	-	98.1	102.0	100.9	110.1
3941-3	Games, toys, dolls, & play vehicles....	-	72.4	75.9	70.4	81.3	-	58.7	62.4	57.5	67.9
3949	Sporting and athletic goods, n e c.....	-	49.0	49.4	53.5	52.3	-	39.4	39.6	43.4	42.2
395	Pens, pencils, office, and art supplies....	-	33.6	34.6	36.0	36.0	-	23.7	24.7	26.3	26.3
396	Costume jewelry and notions.....	-	59.4	58.8	60.5	62.3	-	48.5	47.8	49.9	51.5
393,9	Other manufacturing industries.....	163.0	164.2	165.2	169.2	170.4	123.2	124.1	124.9	128.2	129.1
393	Musical instruments and parts.....	-	20.9	21.0	24.7	25.1	-	16.3	16.3	19.6	19.9
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	1,761.6	1,805.7	1,850.6	1,790.7	1,831.7	1,184.2	1,226.0	1,266.1	1,201.6	1,242.9
201	Meat products.....	345.1	347.2	352.8	343.8	344.2	283.9	285.5	290.5	278.5	279.3
2011	Meat packing plants.....	-	178.9	184.3	185.8	184.2	-	142.1	146.8	145.5	144.0
2013	Sausages and other prepared meats.....	-	60.7	61.0	58.9	58.8	-	44.5	44.8	42.4	42.4
2015	Poultry dressing plants.....	-	107.6	107.5	99.1	101.2	-	98.9	98.9	90.6	92.9
202	Dairy products.....	233.3	234.4	236.5	239.4	240.5	109.4	110.7	111.8	111.4	112.2
2024	Ice cream and frozen desserts.....	-	22.2	23.2	22.0	22.6	-	11.2	11.7	11.0	11.5
2026	Fluid milk.....	-	167.1	168.0	172.1	173.0	-	64.8	65.1	65.6	66.0
203	Canned, cured, and frozen foods.....	-	281.1	314.9	259.2	286.0	-	235.4	268.0	213.5	240.3
2031,6	Canned, cured, and frozen sea foods....	-	40.7	42.8	39.9	41.7	-	35.7	37.4	34.3	36.1
2032,3	Canned food, except sea foods.....	-	133.5	159.2	115.6	133.4	-	107.5	132.2	90.0	107.5
2037	Frozen fruits and vegetables.....	-	70.3	72.0	71.1	74.5	-	62.6	64.4	63.4	67.2
204	Grain mill products.....	136.0	136.7	138.9	136.1	135.1	97.0	97.9	100.0	96.6	95.9
2041	Flour and other grain mill products....	-	29.3	29.0	29.5	28.9	-	22.0	21.7	22.0	21.4
2042	Prepared feeds for animals and fowls....	-	65.2	67.0	64.9	64.3	-	43.5	45.4	42.9	42.6
205	Bakery products.....	279.3	282.5	282.5	284.2	286.3	165.5	167.6	167.8	168.0	169.8
2051	Bread, cake, and related products.....	-	235.1	235.1	237.6	239.2	-	129.3	129.3	129.9	131.4
2052	Cookies and crackers.....	-	47.4	47.4	46.6	47.1	-	38.3	38.5	38.1	38.4
206	Sugar.....	-	48.9	47.1	47.3	53.2	-	40.3	38.5	38.7	44.6
207	Confectionery and related products.....	84.5	86.8	86.5	93.7	94.4	68.5	71.0	70.7	77.4	78.4
2071	Confectionery products.....	-	70.7	70.4	76.8	77.6	-	58.9	58.7	64.7	65.8
208	Beverages.....	237.7	242.8	246.4	238.0	242.0	118.7	123.0	124.7	120.4	124.3
2082	Malt liquors.....	-	58.7	58.8	60.1	60.5	-	39.0	38.5	39.5	40.0
2086	Bottled and canned soft drinks.....	-	131.8	134.0	130.1	130.2	-	47.9	49.4	48.3	48.2
209	Misc. foods and kindred products.....	144.3	145.3	145.0	149.0	150.0	93.2	94.6	94.1	97.1	98.1
21	TOBACCO MANUFACTURES	84.3	83.1	88.4	84.0	87.1	70.9	70.0	75.1	70.4	73.4
211	Cigarettes.....	-	42.4	41.8	40.4	40.2	-	34.5	34.0	32.6	32.4
212	Cigars.....	-	16.5	16.9	18.2	18.8	-	14.9	15.3	16.6	17.2
22	TEXTILE MILL PRODUCTS	948.8	949.4	951.6	995.3	997.6	833.3	833.1	834.3	875.2	878.6
221	Weaving mills, cotton.....	222.5	221.8	220.6	226.0	225.2	202.2	201.4	200.2	205.2	204.7
222	Weaving mills, synthetics.....	93.9	93.7	94.3	101.8	101.9	82.3	82.4	82.8	90.4	90.6
223	Weaving and finishing mills, wool.....	33.7	33.9	34.2	41.0	40.6	28.4	28.4	28.7	35.1	34.8
224	Narrow fabric mills.....	29.3	29.1	29.2	31.6	31.9	25.9	25.7	25.7	28.0	28.4
225	Knitting mills.....	225.7	228.5	232.3	242.0	245.3	197.7	200.1	203.5	212.1	216.0
2251	Women's hosiery, except socks.....	-	58.0	60.2	68.0	68.4	-	51.7	53.8	61.6	61.8
2252	Hosiery, n e c.....	-	34.7	35.0	35.6	36.1	-	31.1	31.3	31.8	32.4
2253	Knit outerwear mills.....	-	68.7	69.6	67.4	70.0	-	59.1	60.1	57.4	60.1
2254	Knit underwear mills.....	-	28.9	28.7	31.6	31.7	-	25.5	25.2	27.6	28.1

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									
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Nonurable Goods--Continued</i>										
30	RUBBER AND PLASTICS PRODUCTS, N.E.C.	563.6	559.9	561.8	599.6	601.6	427.2	426.2	427.0	462.7	465.5
301	Tires and inner tubes.....	(*)	117.2	111.9	120.7	120.2	(*)	81.2	75.9	84.4	84.0
302,3,6	Other rubber products.....	(*)	161.8	162.7	181.2	181.4	(*)	123.9	124.6	141.6	141.9
302	Rubber footwear.....	-	25.1	24.6	24.4	24.3	-	21.7	21.1	20.5	20.4
307	Miscellaneous plastics products.....	272.8	280.9	287.2	297.7	300.0	213.1	221.1	226.5	236.7	239.6
31	LEATHER AND LEATHER PRODUCTS...	320.4	321.6	322.3	341.3	341.2	272.7	274.4	274.1	292.1	292.1
311	Leather tanning and finishing.....	27.1	27.0	27.1	28.4	28.3	23.2	23.2	23.2	24.5	24.3
314	Footwear, except rubber.....	213.8	212.9	212.5	226.2	223.9	185.4	184.8	183.7	196.7	194.6
312,3,5-7,9	Other leather products.....	79.5	81.7	82.7	86.7	89.0	64.1	66.4	67.2	70.9	73.2
316	Luggage.....	-	17.4	17.9	20.6	21.3	-	13.2	13.6	16.2	16.9
317	Handbags and personal leather goods.....	-	37.0	37.1	36.1	37.2	-	31.2	31.4	30.5	31.5
-	TRANSPORTATION AND PUBLIC UTILITIES.....	4,452	4,516	4,527	4,478	4,486	3,847	3,912	3,921	3,893	3,903
40	RAILROAD TRANSPORTATION.....	-	611.7	620.3	633.7	636.9	-	-	-	-	-
4011	Class I railroads ²	-	545.7	553.5	563.6	567.7	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT.....	-	290.7	289.7	293.5	290.2	-	-	-	-	-
411	Local and suburban transportation.....	-	76.3	76.1	77.7	77.4	-	71.9	71.6	72.9	72.5
412	Taxicabs.....	-	113.9	113.1	115.9	112.8	-	-	-	-	-
413	Intercity highway transportation.....	-	42.4	43.0	42.8	42.7	-	38.9	39.3	39.1	39.1
42	TRUCKING AND WAREHOUSING.....	-	1,115.6	1,121.7	1,103.9	1,109.1	-	1,006.7	1,013.3	999.6	1,005.8
421,3	Trucking and trucking terminals.....	-	1,017.9	1,029.0	1,013.5	1,016.0	-	922.9	933.3	920.6	924.3
422	Public warehousing.....	-	97.7	92.7	90.4	93.1	-	84.6	80.0	79.0	81.5
45	TRANSPORTATION BY AIR.....	-	339.8	341.8	358.2	361.0	-	-	-	-	-
451,2	Air transportation.....	-	310.1	311.8	324.8	327.8	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	17.4	17.4	17.5	17.5	-	13.6	13.6	13.9	14.0
44,47	OTHER TRANSPORTATION AND SERVICES	-	318.9	319.3	324.0	333.0	-	-	-	-	-
44	Water transportation.....	-	215.5	216.1	216.1	226.1	-	-	-	-	-
47	Transportation services.....	-	103.4	103.2	107.9	106.9	-	-	-	-	-
48	COMMUNICATION.....	-	1,132.9	1,130.4	1,077.8	1,072.8	-	887.3	883.0	847.6	844.7
481	Telephone communication.....	-	940.4	937.7	893.1	888.6	-	746.8	743.0	713.4	710.1
482	Telegraph communication ³	-	30.1	30.7	31.8	31.9	-	20.4	20.7	22.1	22.3
483	Radio and television broadcasting.....	-	140.4	140.4	134.8	134.5	-	111.8	111.3	105.8	106.1
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	689.2	686.5	669.3	665.6	-	590.7	588.6	574.5	571.1
491	Electric companies and systems.....	-	287.7	285.4	278.7	277.8	-	244.6	242.8	237.0	236.6
492	Gas companies and systems.....	-	161.4	161.5	157.1	154.7	-	136.7	137.0	133.5	131.2
493	Combination companies and systems.....	-	187.5	187.2	183.8	183.7	-	163.3	162.9	160.4	160.2
494,7	Water, steam, & sanitary systems.....	-	52.6	52.4	49.7	49.4	-	46.1	45.9	43.6	43.1
-	WHOLESALE AND RETAIL TRADE.....	15,717	15,176	15,038	15,638	15,092	14,051	13,498	13,367	13,998	13,460
50	WHOLESALE TRADE.....	3,894	3,887	3,884	3,841	3,816	3,273	3,265	3,264	3,234	3,209
501	Motor vehicles & automotive equipment.....	-	334.9	333.6	317.1	333.1	-	272.9	272.1	261.7	257.7
502	Drugs, chemicals, and allied products.....	-	240.3	237.7	233.0	232.1	-	193.4	191.9	190.3	190.0
503	Dry goods and apparel.....	-	151.2	151.0	152.6	152.3	-	120.4	119.2	121.5	121.0
504	Groceries and related products.....	-	562.2	560.5	558.2	558.7	-	494.5	492.4	490.3	489.1
506	Electrical goods.....	-	342.8	338.8	313.1	309.2	-	290.1	286.3	261.7	258.1
507	Hardware, plumbing & heating equipment.....	-	173.4	173.7	172.1	171.5	-	146.5	147.0	145.8	145.3
508	Machinery, equipment, and supplies.....	-	742.4	746.6	746.6	742.7	-	630.5	634.2	634.3	630.8
509	Miscellaneous wholesalers.....	-	1,245.4	1,243.2	1,243.8	1,234.3	-	1,036.8	1,037.6	1,040.3	1,031.8
52-59	RETAIL TRADE.....	11,823	11,289	11,154	11,797	11,376	10,778	10,233	10,103	10,764	10,251
53	RETAIL GENERAL MERCHANDISE.....	-	2,491.7	2,343.4	2,839.0	2,496.9	-	2,293.0	2,147.6	2,644.3	2,305.7
531	Department stores.....	-	1,627.5	1,523.1	1,889.0	1,638.7	-	1,500.0	1,397.9	1,764.3	1,517.3
532	Mail order houses.....	-	150.8	133.7	168.7	155.3	-	142.1	124.8	159.4	146.3
533	Variety stores.....	-	351.7	333.4	399.5	348.5	-	324.2	308.0	372.9	322.4
54	FOOD STORES.....	-	1,766.3	1,754.1	1,756.9	1,721.8	-	1,641.5	1,629.9	1,637.8	1,604.8
541,3	Grocery, meat, and vegetable stores.....	-	1,594.9	1,583.8	1,580.2	1,551.1	-	1,481.0	1,470.7	1,472.9	1,445.5

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				
		Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969
-	WHOLESALE AND RETAIL TRADE (Continued)										
56	APPAREL AND ACCESSORY STORES	-	727.3	704.8	844.8	749.7	-	652.5	631.4	771.2	677.4
561	Men's & boys' clothing & furnishings.	-	134.0	128.4	149.7	132.6	-	119.8	114.7	145.9	119.2
562	Women's ready-to-wear stores	-	276.1	267.0	311.3	282.3	-	248.1	239.3	284.0	255.5
565	Family clothing stores	-	104.4	100.7	134.9	112.7	-	97.1	93.6	127.8	105.6
566	Shoe stores	-	136.7	134.9	156.6	146.2	-	119.6	118.0	139.5	129.6
57	FURNITURE AND HOME FURNISHINGS STORES	-	459.8	455.9	475.1	464.5	-	400.1	397.4	417.7	407.7
571	Furniture and home furnishings	-	292.2	289.6	299.8	293.3	-	253.1	251.2	262.1	256.2
58	EATING AND DRINKING PLACES	-	2,437.7	2,489.8	2,400.1	2,437.4	-	2,280.8	2,331.2	2,243.3	2,281.2
52,55,59	OTHER RETAIL TRADE	-	3,405.8	3,405.5	3,481.0	3,405.5	-	2,964.6	2,965.5	3,050.1	2,974.1
52	Building materials and farm equipment	-	563.0	562.6	553.4	553.9	-	482.2	483.3	474.6	475.5
55	Automotive dealers & service stations	-	1,586.0	1,604.4	1,624.3	1,620.1	-	-	-	-	-
551,2	Motor vehicle dealers	-	740.2	759.4	780.6	779.5	-	621.1	640.0	662.8	660.8
553,9	Other automotive & accessory dealers	-	239.3	236.1	236.0	230.2	-	206.7	203.5	204.9	198.6
554	Gasoline service stations	-	606.5	608.9	607.7	610.4	-	-	-	-	-
59	Miscellaneous retail stores	-	1,256.8	1,238.5	1,303.3	1,231.5	-	-	-	-	-
591	Drug stores and proprietary stores	-	446.9	442.9	463.7	444.9	-	397.8	393.7	416.1	397.4
594	Book and stationery stores	-	68.1	67.5	70.0	65.9	-	58.9	58.2	61.3	57.0
596	Farm and garden supply stores	-	104.5	107.4	105.9	105.7	-	-	-	-	-
598	Fuel and ice dealers	-	109.4	105.8	113.6	110.4	-	95.3	91.8	98.8	95.7
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	3,701	3,696	3,689	3,608	3,597	2,911	2,909	2,907	2,866	2,853
60	Banking	-	1,057.1	1,053.8	1,015.6	1,009.4	-	867.7	865.3	843.1	836.8
61	Credit agencies other than banks	-	370.9	369.6	366.1	364.5	-	289.5	288.2	286.0	283.3
612	Savings and loan associations	-	111.2	111.1	104.9	104.5	-	88.8	88.8	83.7	83.3
614	Personal credit institutions	-	191.4	191.0	194.9	193.5	-	-	-	-	-
62	Security, commodity brokers & services	-	188.1	187.5	211.3	211.3	-	159.7	159.0	184.6	184.5
63	Insurance carriers	-	1,070.5	1,067.7	1,031.1	1,027.4	-	747.2	748.1	724.6	720.0
631	Life insurance	-	559.1	557.2	536.3	533.7	-	331.9	331.9	318.7	315.8
632	Accident and health insurance	-	96.1	95.9	89.8	89.4	-	82.7	82.3	77.4	77.1
633	Fire, marine, and casualty insurance	-	370.3	369.9	360.4	359.5	-	295.5	297.0	291.0	289.6
64	Insurance agents, brokers, and service	-	280.8	278.0	268.6	267.0	-	-	-	-	-
65	Real estate	-	642.9	646.9	633.1	635.8	-	-	-	-	-
655	Subdividers and developers	-	85.6	88.9	80.1	84.2	-	-	-	-	-
656	Operative builders	-	40.1	40.8	44.3	44.9	-	-	-	-	-
66,67	Other finance, insurance, & real estate	-	85.6	85.6	81.7	81.8	-	-	-	-	-
-	SERVICES	11,636	11,660	11,677	11,351	11,349	10,563	10,588	10,605	10,332	10,334
70	Hotels and other lodging places	-	701.2	724.3	713.3	714.5	-	-	-	-	-
701	Hotels, tourist courts, and motels	-	628.8	650.3	643.4	653.2	-	579.9	601.7	594.3	603.4
72	Personal services	-	990.3	989.8	1,022.0	1,025.4	-	-	-	-	-
721	Laundries and dry cleaning plants	-	498.7	502.5	526.5	531.6	-	452.9	456.0	478.6	483.6
722	Photographic studios	-	42.8	43.4	42.4	42.6	-	37.7	37.9	37.3	37.3
73	Miscellaneous business services	-	1,576.8	1,581.2	1,565.3	1,558.2	-	-	-	-	-
731	Advertising	-	120.9	120.8	123.3	122.9	-	-	-	-	-
732	Credit reporting and collection	-	79.8	78.8	78.4	78.1	-	-	-	-	-
734	Services to buildings	-	297.9	298.5	276.8	274.6	-	-	-	-	-
76	Miscellaneous repair services	-	181.2	181.7	182.8	182.6	-	-	-	-	-
78	Motion pictures	-	190.8	193.0	193.9	196.9	-	-	-	-	-
781	Motion picture filming & distributing	-	47.8	48.3	59.0	57.6	-	31.5	31.2	37.6	37.7
782,3	Motion picture theaters and services	-	143.0	144.7	134.9	139.3	-	-	-	-	-
80	Medical and other health services	-	3,157.5	3,140.4	2,961.4	2,950.0	-	-	-	-	-
806	Hospitals	-	1,924.1	1,915.0	1,818.1	1,814.4	-	-	-	-	-
81	Legal services	-	242.2	240.5	229.2	228.5	-	-	-	-	-
82	Educational services	-	1,219.8	1,204.5	1,179.9	1,184.5	-	-	-	-	-
821	Elementary and secondary schools	-	417.9	413.6	400.5	399.8	-	-	-	-	-
822	Colleges and universities	-	700.9	690.8	682.7	688.9	-	-	-	-	-
89	Miscellaneous services	-	647.9	647.1	644.3	641.8	-	-	-	-	-
891	Engineering & architectural services	-	298.3	298.3	306.8	306.3	-	-	-	-	-
892	Nonprofit research agencies	-	106.5	105.6	107.3	108.8	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 P	Nov. 1970 P	Oct. 1970	Dec. 1969	Nov. 1969
-	GOVERNMENT	13,021	12,931	12,818	12,554	12,461	-	-	-	-	-
91	FEDERAL GOVERNMENT ⁵	2,708	2,648	2,643	2,760	2,705	-	-	-	-	-
	Executive	-	2,611.1	2,606.6	2,724.9	2,669.2	-	-	-	-	-
	Department of Defense	-	1,006.8	1,009.1	1,083.9	1,091.0	-	-	-	-	-
	Post Office Department	-	725.0	718.0	793.6	726.1	-	-	-	-	-
	Other agencies	-	879.3	879.5	847.4	852.1	-	-	-	-	-
	Legislative	-	29.8	29.9	28.7	28.7	-	-	-	-	-
	Judicial	-	6.9	6.9	6.7	6.7	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	10,313	10,283	10,175	9,794	9,756	-	-	-	-	-
92	State government	-	2,784.9	2,764.7	2,633.7	2,634.7	-	-	-	-	-
	State education	-	1,208.8	1,185.1	1,130.5	1,134.2	-	-	-	-	-
	Other State government	-	1,576.1	1,579.6	1,503.2	1,500.5	-	-	-	-	-
93	Local government	-	7,498.5	7,410.6	7,160.6	7,121.5	-	-	-	-	-
	Local education	-	4,326.7	4,248.5	4,118.3	4,090.8	-	-	-	-	-
	Other local government	-	3,171.8	3,162.1	3,042.3	3,030.7	-	-	-	-	-

¹Data relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services. These groups account for approximately four-fifths of the total employment on private nonagricultural payrolls.

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

³Data for nonsupervisory workers exclude messengers.

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

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

*Not available.

p preliminary

ESTABLISHMENT DATA

SEASONALLY ADJUSTED EMPLOYMENT

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

1957-59=100

Year and month	TOTAL	Mining	Contract construction	Manufacturing	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.....	51.6	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	34.1	-	-
1920.....	52.1	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	33.2	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.2	-	-
1922.....	49.2	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.3	-	-
1923.....	54.1	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.2	-	-
1924.....	53.4	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.3	34.7	-	-
1925.....	54.8	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.7	-	-
1926.....	56.8	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.3	-	-
1927.....	57.1	144.7	55.7	60.3	95.6	54.1	-	-	54.0	45.9	37.2	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	38.2	-	-
1929.....	59.7	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	39.1	24.1	45.0
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	40.1	23.8	46.6
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.6	25.3	48.0
1932.....	45.0	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	41.1	25.2	47.3
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.4	25.5	46.2
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	42.0	29.4	47.0
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.4	34.0	48.4
1936.....	55.4	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.2	46.7	37.3	50.5
1937.....	59.1	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.9	37.6	51.9
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.5	37.4	54.2
1939.....	58.3	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.9	40.9	54.9
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.6	45.0	56.9
1941.....	69.6	124.3	6.20	79.5	80.3	66.0	64.7	66.5	61.2	56.9	59.4	60.5	58.9
1942.....	76.4	128.8	75.2	92.1	84.9	65.2	62.9	66.0	60.8	59.2	69.9	100.0	58.1
1943.....	80.8	120.1	54.3	106.0	89.5	63.9	60.1	65.3	59.4	60.2	77.5	131.2	56.4
1944.....	79.7	115.8	37.9	104.4	93.9	64.6	60.8	66.0	58.3	60.4	77.0	132.2	55.3
1945.....	76.9	108.6	39.2	93.5	95.8	67.0	64.3	67.9	59.2	61.5	75.8	126.8	55.7
1946.....	79.3	111.9	57.5	88.6	99.6	76.7	75.6	77.1	67.1	68.4	71.3	101.8	59.3
1947.....	83.5	124.0	68.7	93.7	102.2	82.0	81.5	82.2	69.3	73.2	69.8	85.5	63.6
1948.....	85.5	129.1	75.1	93.9	102.8	84.9	85.9	84.5	72.3	75.5	72.0	84.1	67.2
1949.....	83.4	120.8	75.0	87.0	98.2	84.8	85.9	84.5	73.4	76.3	74.6	86.2	70.1
1950.....	86.1	117.0	80.8	91.8	99.0	85.9	86.9	85.6	75.8	78.1	76.8	87.1	72.8
1951.....	91.1	120.6	90.2	98.8	103.7	89.2	90.0	88.9	78.7	80.9	81.4	104.0	72.6
1952.....	93.0	116.6	91.2	100.2	104.2	91.6	92.8	91.2	81.8	83.1	84.2	109.3	74.4
1953.....	95.6	112.5	90.9	105.7	105.3	93.8	94.2	93.7	84.8	85.1	84.7	104.1	77.1
1954.....	93.3	102.7	90.5	98.3	100.2	93.7	94.6	93.4	88.3	87.0	86.0	98.8	81.0
1955.....	96.5	102.9	97.1	101.7	101.6	96.5	96.5	96.4	92.3	91.0	88.1	98.8	83.9
1956.....	99.8	106.8	103.9	103.9	104.1	99.4	99.6	99.4	96.0	94.8	92.7	99.8	90.0
1957.....	100.7	107.5	101.2	103.5	104.0	99.7	99.9	99.6	97.9	97.9	97.1	100.1	95.9
1958.....	97.8	97.5	96.2	96.1	97.5	98.4	98.3	98.5	99.6	98.7	99.9	99.0	100.3
1959.....	101.5	95.1	102.5	100.5	98.4	101.9	101.7	102.0	102.5	103.4	103.0	100.9	103.9
1960.....	103.3	92.5	99.9	101.2	98.2	104.3	103.7	104.5	105.5	107.7	106.5	102.5	108.0
1961.....	102.9	87.3	97.5	98.4	95.8	103.8	103.3	104.0	107.9	111.2	109.5	102.9	112.1
1962.....	105.9	84.4	100.5	101.5	95.8	105.9	105.5	106.1	110.7	116.4	113.3	105.7	116.3
1963.....	108.0	82.5	102.5	102.4	95.8	107.8	107.2	108.1	113.7	120.7	117.6	106.5	121.9
1964.....	111.1	82.3	105.6	104.1	96.9	111.3	110.1	111.8	116.9	126.3	122.3	106.1	128.7
1965.....	115.8	82.1	110.4	108.8	99.0	116.4	114.4	117.2	119.5	131.8	128.4	107.4	136.6
1966.....	121.8	81.4	113.4	115.8	101.8	121.3	118.7	122.2	122.5	138.5	137.5	115.8	146.1
1967.....	125.4	79.6	111.1	117.2	104.5	124.6	121.7	125.6	127.5	146.5	145.3	122.8	154.1
1968.....	129.3	78.7	113.8	119.2	105.7	129.0	124.7	130.5	133.7	154.1	151.0	123.6	161.7
1969.....	133.8	80.4	119.1	121.5	108.7	134.1	129.1	135.9	140.6	162.6	155.5	124.6	167.7
1970p.....	134.5	80.8	115.9	116.9	110.4	136.9	132.9	138.3	145.4	167.9	160.6	122.3	175.7
1969: Dec.....	134.9	81.4	121.1	121.0	109.7	135.1	131.4	136.4	143.3	165.8	157.5	122.9	171.2
1970: Jan.....	135.2	81.2	117.6	120.6	110.5	136.8	132.1	138.4	144.2	166.4	157.9	122.7	171.8
Feb.....	135.4	81.3	120.1	120.1	110.3	137.2	132.4	139.0	144.3	167.3	158.6	122.8	172.6
Mar.....	135.6	81.3	120.6	120.2	110.5	137.2	132.8	138.8	144.9	167.3	159.4	124.9	172.9
Apr.....	135.5	80.8	118.7	119.3	109.6	137.3	133.0	138.8	145.2	167.7	160.7	128.2	173.5
May.....	134.9	80.5	116.1	117.9	109.9	137.1	133.3	138.4	145.3	167.8	160.6	125.0	174.6
June.....	134.5	80.5	115.1	117.3	110.7	136.7	132.9	138.0	145.4	167.3	160.1	121.5	175.2
July.....	134.4	80.3	114.8	116.9	111.4	136.7	133.1	138.0	145.3	167.0	160.5	120.5	176.2
Aug.....	134.1	80.4	114.5	116.1	110.9	136.5	132.6	138.0	145.1	167.1	160.5	120.1	176.4
Sept.....	134.3	80.6	113.0	116.2	110.7	137.0	132.9	138.5	145.6	168.6	160.4	119.6	176.4
Oct.....	133.6	80.6	113.5	112.6	110.6	137.5	133.2	139.0	146.1	169.2	162.1	119.9	178.7
Nov P.....	133.4	81.3	114.3	111.7	110.3	136.7	133.0	138.1	146.7	169.6	162.8	120.2	179.5
Dec P.....	134.0	81.2	114.6	114.0	109.0	135.8	133.3	136.7	147.0	169.9	163.2	119.8	180.2

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.

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1970											1969	
	Dec. p	Nov. p	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
TOTAL	70,364	70,076	70,182	70,531	70,414	70,587	70,629	70,839	71,149	71,242	71,135	70,992	70,842
GOODS-PRODUCING	22,853	22,473	22,583	23,168	23,195	23,334	23,421	23,543	23,843	24,051	24,029	24,037	24,205
MINING	625	626	621	621	619	618	620	620	622	626	626	625	627
CONTRACT CONSTRUCTION	3,308	3,300	3,278	3,262	3,305	3,314	3,324	3,351	3,426	3,481	3,466	3,394	3,496
MANUFACTURING	18,920	18,547	18,684	19,285	19,271	19,402	19,477	19,572	19,795	19,944	19,937	20,018	20,082
DURABLE GOODS	10,836	10,460	10,602	11,145	11,134	11,217	11,286	11,386	11,529	11,648	11,625	11,679	11,773
Ordnance and accessories	220	223	228	237	240	243	250	256	261	271	277	281	290
Lumber and wood products	569	569	574	575	570	570	575	582	585	593	598	605	606
Furniture and fixtures	451	453	454	457	453	454	453	456	468	471	472	477	478
Stone, clay, and glass products	627	626	630	635	631	628	636	638	644	651	657	653	659
Primary metal industries	1,276	1,251	1,273	1,315	1,298	1,301	1,305	1,309	1,323	1,337	1,349	1,360	1,380
Fabricated metal products	1,356	1,312	1,331	1,395	1,387	1,387	1,388	1,394	1,411	1,425	1,428	1,436	1,447
Machinery, except electrical	1,871	1,856	1,878	1,926	1,939	1,969	1,982	2,004	2,032	2,046	2,048	2,043	2,051
Electrical equipment	1,842	1,802	1,841	1,896	1,903	1,934	1,936	1,956	1,979	1,995	1,993	1,922	1,930
Transportation equipment	1,770	1,515	1,534	1,839	1,841	1,853	1,876	1,897	1,925	1,950	1,890	1,988	2,009
Instruments and related products	436	442	447	452	453	458	461	468	471	472	472	474	476
Miscellaneous manufacturing	418	411	412	418	419	420	424	426	430	437	441	440	447
NONDURABLE GOODS	8,084	8,087	8,082	8,140	8,137	8,185	8,191	8,186	8,266	8,296	8,312	8,339	8,309
Food and kindred products	1,776	1,781	1,769	1,779	1,784	1,789	1,800	1,805	1,805	1,823	1,830	1,817	1,805
Tobacco manufactures	78	77	76	76	82	81	81	81	81	81	80	80	77
Textile mill products	949	945	948	955	954	955	959	971	979	980	987	999	995
Apparel and other textile products	1,371	1,374	1,367	1,380	1,376	1,393	1,385	1,375	1,394	1,396	1,398	1,416	1,410
Paper and allied products	696	700	698	706	703	706	711	714	721	721	720	721	720
Printing and publishing	1,100	1,100	1,102	1,105	1,103	1,105	1,103	1,108	1,111	1,113	1,113	1,113	1,110
Chemicals and allied products	1,045	1,045	1,052	1,056	1,053	1,054	1,055	1,060	1,063	1,066	1,067	1,068	1,067
Petroleum and coal products	192	192	190	190	191	191	193	192	193	194	193	193	192
Rubber and plastics products, nec	559	554	557	569	567	578	570	548	585	589	591	595	594
Leather and leather products	318	319	323	324	324	333	334	332	334	333	333	337	339
SERVICE-PRODUCING	47,511	47,603	47,599	47,363	47,219	47,253	47,208	47,296	47,306	47,191	47,106	46,955	46,637
TRANSPORTATION AND PUBLIC UTILITIES	4,443	4,494	4,509	4,511	4,520	4,539	4,511	4,478	4,468	4,502	4,496	4,507	4,469
WHOLESALE AND RETAIL TRADE	14,827	14,931	15,011	14,961	14,912	14,933	14,927	14,968	14,991	14,984	14,987	14,938	14,750
WHOLESALE TRADE	3,859	3,852	3,857	3,850	3,840	3,856	3,849	3,859	3,853	3,847	3,834	3,828	3,807
RETAIL TRADE	10,968	11,079	11,154	11,111	11,072	11,077	11,078	11,109	11,138	11,137	11,153	11,110	10,943
FINANCE, INSURANCE, AND REAL ESTATE	3,720	3,711	3,696	3,684	3,670	3,676	3,679	3,677	3,673	3,665	3,652	3,648	3,626
SERVICES	11,718	11,695	11,665	11,622	11,521	11,514	11,532	11,572	11,564	11,537	11,530	11,472	11,431
Hotels and other lodging places	-	746	746	754	715	722	749	764	768	772	770	775	770
Personal services	-	986	987	988	983	989	1,000	1,005	1,006	1,015	1,018	1,016	1,016
Medical and other health services	-	3,158	3,144	3,129	3,102	3,086	3,070	3,058	3,034	3,025	3,007	2,992	2,973
Educational services	-	1,158	1,160	1,143	1,143	1,147	1,145	1,146	1,151	1,143	1,145	1,125	1,129
GOVERNMENT	12,803	12,772	12,718	12,585	12,596	12,591	12,559	12,601	12,610	12,503	12,441	12,390	12,361
FEDERAL	2,652	2,661	2,654	2,649	2,659	2,668	2,689	2,768	2,838	2,766	2,718	2,717	2,721
STATE AND LOCAL	10,151	10,111	10,064	9,936	9,937	9,923	9,870	9,833	9,772	9,737	9,723	9,673	9,640

p preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

62

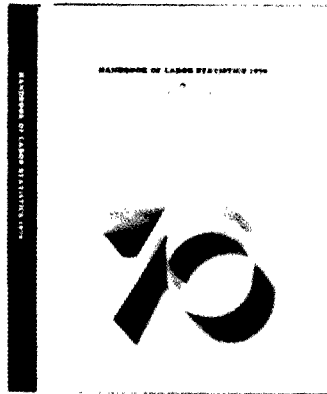
B-6: Production workers in industrial and construction activities¹
seasonally adjusted

(In thousands)

Major industry group	1970												1969
	Dec. p	Nov. p	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
TOTAL	16,906	16,518	16,604	17,179	17,201	17,327	17,382	17,447	17,734	17,905	17,878	17,890	18,062
MINING	472	475	472	471	469	469	471	470	474	476	477	477	477
CONTRACT CONSTRUCTION	2,754	2,746	2,727	2,708	2,758	2,768	2,771	2,797	2,871	2,917	2,912	2,840	2,947
MANUFACTURING	13,680	13,297	13,405	14,000	13,974	14,090	14,140	14,180	14,389	14,512	14,489	14,573	14,638
DURABLE GOODS	7,774	7,388	7,504	8,039	8,019	8,082	8,134	8,186	8,318	8,409	8,367	8,425	8,516
Ordnance and accessories	116	118	122	128	129	131	137	141	143	151	155	156	164
Lumber and wood products	487	490	495	495	491	491	495	501	504	511	515	523	524
Furniture and fixtures	370	373	374	377	372	373	372	375	386	390	390	395	396
Stone, clay, and glass products	497	496	500	505	500	499	505	506	512	517	522	520	527
Primary metal industries	1,012	983	1,005	1,047	1,031	1,033	1,034	1,037	1,049	1,063	1,072	1,086	1,103
Fabricated metal products	1,039	986	1,002	1,067	1,060	1,058	1,057	1,060	1,079	1,087	1,090	1,100	1,110
Machinery, except electrical	1,229	1,217	1,233	1,281	1,288	1,316	1,321	1,340	1,366	1,381	1,381	1,383	1,391
Electrical equipment and supplies	1,220	1,181	1,213	1,258	1,266	1,289	1,297	1,294	1,313	1,323	1,319	1,246	1,255
Transportation equipment	1,220	967	977	1,286	1,285	1,290	1,309	1,317	1,345	1,358	1,291	1,384	1,403
Instruments and related products	260	264	267	273	274	278	280	286	289	289	289	289	292
Miscellaneous manufacturing industries	324	313	316	322	323	324	327	329	332	339	343	343	351
NONDURABLE GOODS	5,906	5,909	5,901	5,961	5,955	6,008	6,006	5,994	6,071	6,103	6,122	6,148	6,122
Food and kindred products	1,195	1,197	1,184	1,193	1,198	1,203	1,214	1,216	1,217	1,235	1,241	1,226	1,213
Tobacco manufactures	64	64	63	63	69	67	67	68	67	67	67	67	64
Textile mill products	832	828	830	839	837	839	842	852	860	861	867	878	874
Apparel and other textile products	1,200	1,203	1,196	1,210	1,206	1,223	1,214	1,206	1,221	1,223	1,226	1,242	1,238
Paper and allied products	533	537	535	543	540	544	549	551	556	558	557	558	557
Printing and publishing	677	675	676	680	676	680	679	681	687	690	690	691	691
Chemicals and allied products	596	598	603	606	602	605	603	606	610	613	616	619	620
Petroleum and coal products	117	116	116	115	117	118	118	118	118	119	119	119	118
Rubber and plastics products, nec	422	420	423	436	433	444	434	412	450	453	454	459	457
Leather and leather products	270	271	275	276	277	285	286	284	285	284	285	289	290

¹For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.

p = preliminary.



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**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969
1	ALABAMA	996.1	996.4	1,011.8	8.5	8.6	8.3	44.1	45.6	54.4	315.9	317.2	326.9
2	Birmingham	252.9	250.8	259.2	5.7	5.7	5.4	8.1	8.0	15.5	71.9	70.5	73.0
3	Huntsville	76.0	76.2	77.4	(1)	(1)	(1)	2.4	2.6	2.8	12.7	12.6	12.6
4	Mobile	104.7	104.5	107.3	(1)	(1)	(1)	6.8	6.6	6.7	24.8	24.7	25.9
5	Montgomery	69.1	68.7	68.4	(1)	(1)	(1)	4.8	5.0	5.6	10.8	10.7	10.5
6	Tuscaloosa	38.2	38.4	37.3	(1)	(1)	(1)	2.8	3.0	2.6	10.4	10.4	10.2
7	ALASKA	88.6	93.5	86.3	2.3	2.3	3.2	6.4	8.9	7.3	5.6	6.8	5.5
8	ARIZONA	551.6	548.7	537.5	20.9	20.9	19.0	37.9	37.9	36.2	85.8	86.9	97.4
9	Phoenix	329.0	326.9	323.9	.2	.2	.2	20.6	20.4	20.5	66.1	67.1	77.7
10	Tucson	107.8	107.1	102.4	6.7	6.7	5.6	9.9	9.9	9.6	9.1	9.2	9.0
11	ARKANSAS	531.8	536.0	535.1	4.2	4.2	4.3	27.5	28.8	29.4	162.6	165.7	168.4
12	Fayetteville	25.7	25.8	25.3	(1)	(1)	(1)	1.4	1.4	1.3	7.3	7.4	7.3
13	Fort Smith	44.2	44.3	45.2	.5	.5	.5	2.8	2.8	3.1	15.2	15.6	16.0
14	Little Rock-North Little Rock	122.1	122.6	124.1	(1)	(1)	(1)	7.3	7.7	9.1	26.8	27.2	28.3
15	Pine Bluff	24.5	24.6	24.9	(1)	(1)	(1)	1.1	1.1	1.2	5.3	5.5	5.8
16	CALIFORNIA ²	7,016.1	7,024.7	7,031.7	31.3	31.3	32.6	293.4	300.7	317.7	1,509.7	1,533.3	1,653.7
17	Anaheim-Santa Ana-Garden Grove	430.7	429.1	415.7	1.7	1.7	1.9	23.4	23.3	22.4	118.6	119.5	127.5
18	Bakersfield	90.6	90.7	90.5	6.5	6.5	6.9	4.0	4.1	5.0	8.1	8.2	8.2
19	Fresno	120.2	122.5	118.5	.9	.9	.7	4.7	4.8	4.8	18.2	19.1	18.9
20	Los Angeles-Long Beach	2,892.2	2,888.6	2,940.6	11.2	11.1	11.5	106.9	109.3	114.0	781.3	789.3	879.0
21	Modesto-Turlock	54.2	56.0	54.7	.1	.1	.1	2.8	3.0	3.0	13.9	14.8	13.9
22	Oxnard-Ventura	95.6	95.9	93.0	1.9	1.9	1.9	5.0	5.0	5.1	13.4	13.7	14.6
23	Sacramento	266.3	269.3	262.3	.1	.1	.1	11.7	12.6	12.1	20.9	23.3	22.0
24	Salinas-Monterey	64.2	65.1	62.4	.5	.5	.5	2.4	2.5	2.6	7.9	7.9	7.7
25	San Bernardino-Riverside-Ontario	299.0	296.4	291.1	2.5	2.5	2.4	14.1	13.8	14.8	52.4	53.3	52.8
26	San Diego	388.4	383.3	385.3	.5	.5	.5	19.7	19.6	21.5	65.4	62.5	70.8
27	San Francisco-Oakland	1,265.3	1,267.0	1,271.9	1.9	1.9	2.0	60.8	61.8	64.5	194.3	196.7	208.5
28	San Jose	384.2	385.4	380.0	.1	.1	.1	17.3	17.8	19.0	122.1	124.9	126.5
29	Santa Barbara	83.6	82.8	82.7	1.0	1.0	1.2	3.3	3.3	4.2	10.5	10.5	10.9
30	Santa Rosa	51.5	52.3	50.5	.3	.3	.3	2.3	2.5	2.5	7.2	7.8	7.8
31	Stockton	88.7	92.3	87.9	.1	.1	.1	3.2	3.5	3.3	15.9	17.7	16.5
32	Vallejo-Napa	67.7	69.0	67.7	.2	.2	.1	2.2	2.4	2.5	6.7	7.6	6.8
33	COLORADO ²	755.0	754.1	730.1	13.9	14.0	13.8	42.5	42.7	39.3	118.0	120.9	119.5
34	Denver	482.0	479.7	467.4	4.3	4.3	4.6	31.3	31.6	26.7	82.6	83.1	83.6
35	CONNECTICUT	1,181.4	1,184.9	1,214.2	(3)	(3)	(3)	56.2	58.9	59.6	425.7	430.8	474.1
36	Bridgeport	150.3	150.4	155.4	(3)	(3)	(3)	6.8	6.9	6.5	65.9	66.5	74.2
37	Hartford	324.3	323.8	325.1	(3)	(3)	(3)	16.6	16.8	15.9	97.4	98.6	106.6
38	New Britain	45.3	45.8	47.2	(3)	(3)	(3)	1.9	2.0	2.1	23.1	23.5	25.0
39	New Haven	158.3	157.4	157.1	(3)	(3)	(3)	8.4	8.6	8.3	42.5	41.8	44.1
40	Stamford	83.5	83.6	79.9	(3)	(3)	(3)	4.1	4.2	4.0	28.3	28.4	27.2
41	Waterbury	75.9	76.3	80.9	(3)	(3)	(3)	3.3	3.4	3.5	34.6	35.0	39.7
42	DELAWARE	203.7	204.1	210.8	(1)	(1)	(1)	13.0	13.3	13.7	66.4	66.6	74.0
43	Wilmington	184.0	184.8	190.4	(1)	(1)	(1)	12.0	12.3	13.0	64.4	64.4	71.0
44	DISTRICT OF COLUMBIA ⁴	687.7	685.4	681.4	(1)	(1)	(1)	17.4	17.5	17.7	19.9	19.9	20.1
45	Washington SMSA	1,144.4	1,140.0	1,128.7	(1)	(1)	(1)	66.9	68.4	68.2	44.4	44.5	45.3
46	FLORIDA	2,175.3	2,146.0	2,134.0	7.9	7.8	7.8	165.0	167.1	173.8	324.6	315.3	332.9
47	Fort Lauderdale-Hollywood	167.9	164.0	173.6	(1)	(1)	(1)	19.9	20.1	28.9	18.3	18.8	21.1
48	Jacksonville	191.1	190.3	191.3	(1)	(1)	(1)	12.8	12.9	13.2	24.4	24.1	24.6
49	Miami	499.3	494.8	493.8	(1)	(1)	(1)	33.2	33.3	34.3	78.0	77.5	80.0
50	Orlando	141.8	139.5	135.4	(1)	(1)	(1)	15.2	15.1	12.8	20.1	20.0	21.9
51	Pensacola	67.9	67.8	67.3	(1)	(1)	(1)	5.4	5.3	5.0	14.3	14.4	14.6
52	Tampa-St. Petersburg	306.3	303.6	300.8	(1)	(1)	(1)	22.9	23.2	22.8	54.5	53.8	55.3
53	West Palm Beach	113.2	110.1	108.6	(1)	(1)	(1)	11.8	11.9	13.2	20.9	20.5	19.2
54	GEORGIA	1,532.5	1,525.3	1,549.5	6.7	6.7	6.9	77.4	76.9	81.2	446.9	447.2	483.2
55	Atlanta	608.6	605.2	614.2	(1)	(1)	(1)	29.6	29.7	33.7	113.3	115.0	134.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969
GEORGIA (continued)													
1	Augusta	87.8	87.3	89.3	(1)	(1)	(1)	6.0	5.9	5.6	28.8	29.1	31.3
2	Columbus	69.1	68.6	70.9	(1)	(1)	(1)	4.3	4.3	4.4	18.8	18.8	19.7
3	Macon	77.7	76.6	79.4	(1)	(1)	(1)	4.1	4.4	5.1	14.1	12.9	15.5
4	Savannah	65.5	65.5	69.0	(1)	(1)	(1)	4.3	4.2	4.2	15.5	15.2	17.7
HAWAII													
5	Honolulu	286.0	284.9	278.3	(1)	(1)	(1)	22.3	22.5	23.2	21.9	22.0	22.4
6	Honolulu	245.9	244.5	237.1	(1)	(1)	(1)	19.8	19.9	20.8	15.6	15.6	15.8
IDAHO													
7	Boise	209.4	210.9	204.7	3.6	3.5	3.5	11.0	11.8	11.2	41.9	42.1	42.1
8	Boise	42.7	42.8	40.1	(1)	(1)	(1)	2.8	2.9	2.8	4.9	5.0	4.6
ILLINOIS													
9	Chicago	4,405.2	4,401.0	4,423.0	22.5	22.7	23.3	202.4	208.6	202.0	1,332.9	1,342.2	1,400.0
10	Chicago	3,050.1	3,036.9	3,073.3	4.6	4.7	5.0	130.6	133.4	135.5	933.4	936.9	985.4
11	Chicago-Northwestern Indiana	(*)	(*)	3,299.4	(*)	(*)	5.0	(*)	(*)	150.9	(*)	(*)	1,094.3
12	Davenport-Rock Island-Moline	(*)	131.2	131.4	(*)	(3)	(3)	(*)	6.5	6.2	(*)	41.9	42.5
13	Peoria	135.3	133.6	132.6	(3)	(3)	(3)	8.2	8.4	8.1	49.0	48.4	49.2
14	Rockford	109.2	109.7	115.0	(3)	(3)	(3)	5.0	5.1	5.3	52.2	52.6	57.8
INDIANA													
15	Evansville	1,806.4	1,822.1	1,885.4	6.9	6.9	7.2	77.6	81.2	87.1	662.1	677.6	745.8
16	Evansville	(*)	89.7	89.5	(*)	1.6	1.5	(*)	4.9	4.7	(*)	33.6	34.0
17	Fort Wayne	(*)	122.1	114.7	(*)	(1)	(1)	(*)	5.8	5.8	(*)	44.4	40.1
18	Gary-Hammond-East Chicago	(*)	225.1	226.1	(*)	(1)	(1)	(*)	15.1	15.5	(*)	106.7	108.9
19	Indianapolis	(*)	422.1	434.8	(*)	(1)	(1)	(*)	22.0	23.0	(*)	125.4	139.4
20	Muncie	(*)	44.1	48.3	(*)	(1)	(1)	(*)	1.9	2.0	(*)	15.0	19.7
21	South Bend	(*)	92.9	97.5	(*)	(1)	(1)	(*)	4.0	4.3	(*)	31.7	35.4
22	Terre Haute	(*)	56.4	55.7	(*)	1.2	1.0	(*)	2.7	2.4	(*)	15.7	15.9
IOWA													
23	Cedar Rapids	886.2	886.5	891.9	3.2	3.3	3.2	41.3	43.7	42.3	208.8	208.9	225.3
24	Cedar Rapids	64.1	64.3	68.7	(1)	(1)	(1)	2.2	2.4	2.7	24.2	24.6	28.2
25	Des Moines	131.0	129.7	129.9	(1)	(1)	(1)	6.8	6.9	6.4	25.8	24.4	26.1
26	Dubuque	34.2	34.1	34.2	(1)	(1)	(1)	1.9	1.9	1.6	13.6	13.5	14.1
27	Sioux City	41.9	42.5	40.8	(1)	(1)	(1)	1.8	1.8	2.0	10.2	10.4	8.9
28	Waterloo	49.1	49.0	50.6	(1)	(1)	(1)	2.5	2.6	2.5	17.0	17.2	19.1
KANSAS													
29	Topeka	669.5	670.1	695.2	10.6	10.6	11.5	30.2	30.7	35.0	123.0	124.6	149.2
30	Topeka	62.3	62.0	62.7	.1	.1	.1	2.9	3.0	3.6	9.6	9.3	9.2
31	Wichita	134.3	135.6	151.4	2.4	2.5	2.9	5.6	5.7	7.4	35.8	36.4	48.5
KENTUCKY													
32	Lexington	925.5	922.8	894.7	28.3	28.1	27.7	54.2	54.0	53.2	248.5	250.0	239.5
33	Lexington	79.2	78.5	78.8	(1)	(1)	(1)	5.3	5.4	5.3	15.2	15.4	16.3
34	Louisville	334.4	335.2	326.6	(1)	(1)	(1)	16.2	16.6	18.5	112.0	113.6	107.8
LOUISIANA													
35	Baton Rouge	1,054.4	1,050.8	1,062.4	50.5	50.6	52.1	78.7	78.4	86.2	180.3	178.9	184.1
36	Baton Rouge	102.9	102.3	103.4	.7	.7	.5	13.3	13.0	12.1	17.4	17.7	18.6
37	Lake Charles	41.9	41.8	43.1	1.6	1.6	1.5	4.6	4.8	6.3	9.6	9.3	9.6
38	Monroe	38.8	38.6	38.5	.4	.4	.4	3.6	3.5	3.7	6.3	6.3	6.6
39	New Orleans	373.2	372.9	376.4	14.1	14.2	15.2	21.6	21.7	22.3	53.4	53.3	55.8
40	Shreveport	93.1	93.2	94.4	3.8	3.8	4.1	6.2	6.2	6.3	16.0	16.2	17.2
MAINE													
41	Lewiston-Auburn	328.3	331.2	331.0	(1)	(1)	(1)	15.9	16.8	16.1	106.1	107.8	113.8
42	Lewiston-Auburn	28.3	28.5	28.9	(1)	(1)	(1)	1.4	1.4	1.4	12.6	12.8	13.2
43	Portland	65.7	65.5	63.4	(1)	(1)	(1)	3.6	3.7	3.1	13.8	13.9	14.5
MARYLAND													
44	Baltimore	1,315.1	1,311.1	1,305.9	1.8	1.8	1.8	87.6	89.7	87.8	260.9	263.8	282.3
45	Baltimore	814.2	810.5	817.0	.3	.3	.3	44.2	45.3	44.0	189.1	190.6	207.6
MASSACHUSETTS													
46	Boston	2,246.3	2,232.4	2,255.0	(1)	(1)	(1)	97.5	97.3	98.8	618.1	621.1	656.9
47	Boston	1,297.0	1,286.1	1,285.7	(1)	(1)	(1)	52.8	51.5	52.9	266.9	267.8	281.8
48	Brockton	51.1	50.6	50.3	-	-	-	2.4	2.4	2.0	15.4	15.3	17.1
49	Fall River	47.7	47.9	48.3	(1)	(1)	(1)	(1)	(1)	(1)	22.7	22.8	23.5
50	Lawrence-Haverhill	79.5	78.8	80.1	(1)	(1)	(1)	2.2	2.2	2.0	35.3	35.7	38.5
51	Lowell	53.9	53.9	53.8	(1)	(1)	(1)	2.7	2.8	2.7	20.1	20.2	20.7
52	New Bedford	52.5	53.1	55.3	(1)	(1)	(1)	1.9	1.9	1.9	23.9	24.2	26.8
53	Springfield-Chicopee-Holyoke	193.8	194.6	196.5	(1)	(1)	(1)	8.7	8.9	8.4	66.3	66.6	71.5
54	Worcester	129.4	130.3	130.7	(1)	(1)	(1)	6.2	6.4	5.5	42.4	43.6	47.7

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			
Nov. 1970 ^P	Oct. 1970	Nov. 1969	Nov. 1970 ^P	Oct. 1970	Nov. 1969	Nov. 1970 ^P	Oct. 1970	Nov. 1969	Nov. 1970 ^P	Oct. 1970	Nov. 1969	Nov. 1970 ^P	Oct. 1970	Nov. 1969	
4.0	4.0	4.2	15.5	14.9	15.2	3.1	3.1	3.2	9.9	9.8	9.7	20.5	20.5	20.1	1
3.5	3.4	3.4	14.1	13.8	13.9	4.0	4.0	3.8	8.4	8.3	8.7	16.0	16.0	17.0	2
3.5	3.5	3.5	15.0	14.7	14.5	4.2	4.2	3.9	9.4	9.5	8.8	27.4	27.4	28.1	3
6.9	7.0	6.9	14.9	14.9	15.7	3.3	3.3	3.2	9.2	9.3	9.4	11.4	11.6	11.9	4
24.1	23.9	23.1	68.7	68.4	65.5	18.4	18.4	17.6	55.0	55.3	54.9	75.6	74.4	71.6	5
20.3	20.3	19.5	59.2	58.9	56.1	17.0	17.0	16.3	47.8	47.6	45.8	66.2	65.2	62.8	6
14.2	14.4	14.3	49.5	49.5	48.8	8.0	7.9	7.7	31.3	31.7	30.4	49.9	50.0	46.7	7
3.3	3.3	3.2	12.0	11.9	11.4	2.8	2.8	2.7	6.6	6.6	6.1	10.3	10.3	9.3	8
293.2	293.1	292.5	982.3	966.8	973.8	237.6	237.3	231.0	694.5	696.3	676.5	639.6	634.2	623.9	9
214.5	213.8	213.7	701.7	685.9	695.6	185.3	184.8	179.7	516.5	517.4	501.9	363.5	359.9	356.5	10
(*)	(*)	227.3	(*)	(*)	732.9	(*)	(*)	185.8	(*)	(*)	524.5	(*)	(*)	378.6	11
(*)	6.8	6.8	(*)	29.4	29.4	(*)	5.3	5.1	(*)	19.1	18.5	(*)	22.2	22.9	12
7.2	7.2	7.3	30.5	29.2	29.1	5.3	5.3	5.4	19.4	19.4	18.5	15.7	15.6	15.1	13
3.6	3.6	3.6	20.6	20.6	21.0	3.2	3.2	3.2	14.5	14.3	13.8	10.1	10.3	10.3	14
100.1	99.8	102.4	371.5	369.8	373.9	75.4	75.0	74.4	218.2	217.9	213.2	294.5	293.8	281.4	15
(*)	5.2	5.3	(*)	19.3	19.4	(*)	3.3	3.3	(*)	13.2	12.9	(*)	8.6	8.4	16
(*)	8.5	8.4	(*)	28.8	27.4	(*)	6.6	6.4	(*)	15.7	15.2	(*)	12.3	11.4	17
(*)	13.8	13.6	(*)	38.1	37.3	(*)	6.1	6.1	(*)	23.1	22.7	(*)	22.2	22.1	18
(*)	28.2	28.0	(*)	96.6	97.9	(*)	29.4	28.2	(*)	54.2	52.9	(*)	66.3	65.4	19
(*)	2.5	2.5	(*)	9.7	8.9	(*)	1.4	1.4	(*)	5.2	5.1	(*)	8.4	8.7	20
(*)	4.9	5.1	(*)	20.6	21.2	(*)	4.8	4.9	(*)	16.0	16.0	(*)	10.9	10.6	21
(*)	4.1	4.2	(*)	13.0	13.2	(*)	1.7	1.7	(*)	6.5	6.5	(*)	11.5	10.8	22
50.5	50.7	51.4	210.7	209.1	208.0	42.4	42.5	41.3	145.8	146.1	143.0	183.4	182.2	177.3	23
3.2	3.2	3.1	13.8	13.5	14.2	3.1	3.1	3.1	10.4	10.3	10.2	7.1	7.2	7.2	24
9.2	9.4	9.3	31.9	31.8	33.2	15.5	15.6	14.8	22.7	22.7	21.8	19.1	18.9	18.2	25
1.7	1.7	1.7	6.9	6.8	6.9	.9	.9	.9	6.4	6.4	6.3	2.7	2.8	2.6	26
3.1	3.1	3.2	11.8	12.0	11.7	2.1	2.1	2.0	7.3	7.6	7.6	5.5	5.5	5.3	27
2.4	2.4	2.5	10.0	9.9	9.9	1.5	1.5	1.5	7.3	7.3	7.3	8.4	8.1	7.9	28
53.2	53.4	51.6	161.1	160.1	161.3	30.5	30.4	29.8	104.0	104.2	101.8	156.9	156.1	155.0	29
7.1	7.1	7.5	12.9	12.8	12.9	4.1	4.1	3.9	10.2	10.2	9.9	15.7	15.7	15.7	30
7.9	8.0	7.7	30.9	31.3	34.4	6.8	6.8	6.7	24.6	24.8	24.5	20.5	20.4	19.5	31
59.9	59.8	59.5	189.4	186.9	184.3	34.8	34.9	34.8	128.6	128.1	124.4	181.8	181.0	171.3	32
4.4	4.3	4.6	15.3	15.2	15.3	3.7	3.6	3.7	13.9	13.2	12.2	21.4	21.4	21.4	33
22.6	22.8	23.5	72.0	71.6	71.9	17.4	17.4	16.8	49.7	49.3	47.6	44.6	43.9	40.6	34
95.7	96.0	95.5	230.4	228.1	231.3	49.7	49.6	49.5	149.5	150.0	151.6	219.6	219.2	212.1	35
5.3	5.3	5.4	21.2	21.1	22.3	5.4	5.4	5.8	14.7	14.6	14.0	24.9	24.5	24.7	36
3.2	3.3	3.1	8.2	8.2	8.3	1.5	1.5	1.5	5.9	5.9	5.8	7.3	7.2	7.0	37
2.5	2.5	2.5	10.2	10.1	10.2	2.4	2.4	2.4	5.2	5.2	5.2	8.2	8.2	7.5	38
46.4	46.8	46.8	90.1	89.4	90.5	22.5	22.5	22.7	67.2	67.0	67.0	58.2	58.2	56.1	39
9.3	9.4	9.5	23.2	23.3	23.5	4.8	4.8	4.7	14.2	14.0	14.0	15.7	15.6	15.1	40
17.1	17.2	16.8	66.9	67.1	65.5	12.4	12.4	11.8	41.2	41.9	40.8	68.7	68.0	66.2	41
.9	.9	.9	6.3	6.3	6.3	.9	.9	.9	4.1	4.1	4.1	2.1	2.1	2.1	42
5.3	5.2	5.1	18.0	17.8	17.0	5.6	5.6	5.3	11.2	11.4	10.7	8.2	7.9	7.7	43
82.0	82.2	79.9	318.1	311.6	305.6	69.1	69.4	67.0	237.2	236.8	230.5	258.4	255.8	251.0	44
57.8	57.9	56.2	181.9	177.5	177.3	44.0	44.0	42.7	139.8	139.3	135.9	157.1	155.6	153.0	45
120.1	117.7	114.7	503.7	487.6	499.1	130.5	130.7	127.0	473.6	475.8	461.4	302.8	302.2	297.1	46
77.3	75.2	73.6	303.7	294.1	295.6	93.4	93.4	92.3	327.3	328.2	314.9	175.6	175.9	174.6	47
3.7	3.7	3.3	13.5	13.3	12.4	1.4	1.4	1.4	6.8	6.6	6.4	7.9	7.9	7.7	48
1.9	1.9	1.8	9.4	9.3	9.5	(1)	(1)	(1)	9.8	9.9	9.2	3.9	4.0	4.3	49
2.4	2.4	2.4	15.7	15.4	15.4	2.4	2.4	2.4	10.3	10.3	9.5	11.2	10.4	9.9	50
2.1	2.1	2.1	11.4	11.2	11.1	1.4	1.4	1.4	9.3	9.3	9.0	6.9	6.9	6.8	51
2.8	2.8	2.6	9.9	10.0	10.0	(1)	(1)	(1)	9.2	9.4	9.4	4.8	4.8	4.6	52
8.4	8.3	8.4	40.4	40.6	39.6	9.3	9.3	9.2	35.2	35.4	34.2	25.5	25.5	25.2	53
6.4	6.1	6.7	27.3	27.0	26.0	7.3	7.4	7.0	22.8	22.9	22.1	17.0	16.9	15.7	54

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

68

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969
1	MICHIGAN ²	2,832.9	2,838.1	3,124.0	12.5	12.5	12.3	104.0	106.2	117.6	914.6	927.1	1,201.6
2	Ann Arbor	102.4	102.3	108.5	(1)	(1)	(1)	2.7	2.9	2.9	28.8	28.9	39.2
3	Battle Creek ²	60.3	60.8	62.5	(1)	(1)	(1)	1.9	2.0	2.0	24.4	24.9	26.4
4	Bay City ²	27.7	27.9	32.1	(1)	(1)	(1)	1.0	1.0	1.2	8.4	8.6	12.7
5	Detroit ²	1,415.5	1,419.8	1,568.8	1.0	1.1	1.2	50.5	51.7	58.6	490.4	497.8	620.1
6	Flint ²	102.7	101.8	169.6	(1)	(1)	(1)	4.3	4.5	5.8	24.7	25.7	85.6
7	Grand Rapids ²	183.2	183.3	194.2	(1)	(1)	(1)	7.2	7.5	9.0	65.3	66.4	77.5
8	Jackson ²	45.7	46.0	47.9	(1)	(1)	(1)	1.7	1.8	1.8	16.8	17.1	19.3
9	Kalamazoo ²	71.0	71.3	75.6	(1)	(1)	(1)	3.5	3.5	3.7	24.7	24.8	29.8
10	Lansing ²	113.3	115.4	141.5	(1)	(1)	(1)	4.5	4.4	5.1	20.2	21.3	43.1
11	Muskegon-Muskegon Heights ²	50.0	50.0	53.1	(1)	(1)	(1)	1.3	1.3	1.4	24.2	24.4	27.6
12	Saginaw ²	58.7	60.1	75.8	(1)	(1)	(1)	3.1	3.2	3.9	16.8	17.9	33.4
13	MINNESOTA	1,311.2	1,319.3	1,326.7	14.6	14.9	14.3	68.5	74.1	72.2	309.8	314.8	332.3
14	Duluth-Superior	57.4	58.1	57.1	(1)	(1)	(1)	2.4	2.5	2.5	10.2	10.4	10.4
15	Minneapolis-St. Paul	787.0	792.1	802.1	(1)	(1)	(1)	46.6	49.3	43.3	202.0	205.6	223.5
16	MISSISSIPPI	586.0	586.2	577.5	5.9	6.0	6.0	34.4	36.6	36.2	182.9	181.6	182.0
17	Jackson	92.7	92.6	91.0	.7	.7	.7	4.7	4.9	5.6	13.8	13.7	14.1
18	MISSOURI	1,634.7	1,638.8	1,691.6	8.5	8.5	9.1	67.9	69.4	77.8	418.5	423.5	459.2
19	Kansas City	503.9	501.7	520.0	.5	.5	.6	21.8	21.3	27.1	118.0	118.1	132.8
20	St. Joseph	32.0	32.5	32.5	(3)	(3)	(3)	1.9	2.1	2.0	9.5	10.0	10.0
21	St. Louis	890.4	892.7	921.4	2.2	2.1	2.4	41.8	43.2	46.6	257.3	260.5	290.7
22	Springfield ²	57.3	57.0	56.4	.1	.1	.1	3.0	2.9	3.0	15.9	15.4	15.8
23	MONTANA	203.0	204.9	197.4	6.7	6.6	6.8	12.2	12.7	10.8	24.2	24.8	23.9
24	Billings	28.5	28.6	28.3	(1)	(1)	(1)	1.2	1.3	1.2	3.1	3.2	3.1
25	Great Falls ²	25.0	25.0	24.4	(1)	(1)	(1)	2.3	2.3	2.1	2.9	2.9	3.0
26	NEBRASKA	486.2	487.0	479.6	1.8	1.8	1.8	26.3	26.8	27.3	82.8	83.5	86.4
27	Lincoln ²	72.3	72.1	72.0	-	-	-	3.7	3.6	4.1	10.4	10.5	10.6
28	Omaha	210.0	208.8	207.3	(3)	(3)	(3)	11.8	11.6	12.9	38.1	37.9	40.6
29	NEVADA	203.3	204.0	199.1	4.0	4.1	4.0	11.9	11.9	12.1	8.3	8.2	8.1
30	Las Vegas	112.8	111.8	110.8	.1	.1	.1	7.3	7.2	7.0	4.1	4.0	4.1
31	Reno	57.4	57.8	54.5	.2	.2	.2	3.7	3.7	3.6	3.0	2.9	2.8
32	NEW HAMPSHIRE	252.6	256.9	256.2	.3	.4	.3	13.1	13.6	13.7	87.4	88.1	96.7
33	Manchester	49.8	49.3	49.7	(1)	(1)	(1)	2.4	2.5	2.7	16.4	16.3	16.5
34	NEW JERSEY	2,599.6	2,601.4	2,622.7	3.3	3.3	3.3	126.2	128.7	123.6	845.2	851.5	901.2
35	Atlantic City	62.1	63.6	63.4	-	-	-	4.0	3.9	3.8	9.6	9.7	11.5
36	Camden	259.0	257.7	252.6	.1	.1	.1	14.6	15.1	13.9	71.9	72.7	75.4
37	Jersey City ⁷	269.4	268.2	274.9	-	-	-	8.0	8.2	7.6	109.0	108.8	116.5
38	Newark ⁷	790.3	790.6	804.9	.9	.9	1.0	33.2	33.8	33.5	236.3	239.0	259.9
39	Paterson-Clifton-Passaic ⁷	506.9	507.0	506.3	.5	.5	.4	23.2	24.0	23.1	184.1	186.2	192.2
40	Perth Amboy ⁷	280.0	278.2	277.2	.8	.8	.8	14.7	14.7	13.9	109.5	109.9	115.8
41	Trenton	130.8	130.6	132.9	(1)	(1)	(1)	4.5	4.6	4.3	37.0	37.0	41.3
42	NEW MEXICO	(*)	290.6	290.8	(*)	16.7	17.4	(*)	16.1	16.6	(*)	20.9	21.0
43	Albuquerque	(*)	108.7	107.0	(*)	(1)	(1)	(*)	7.2	7.3	(*)	8.9	9.2
44	NEW YORK	7,210.3	7,209.6	7,259.0	7.9	7.9	8.5	280.0	288.2	270.3	1,744.2	1,763.6	1,869.1
45	Albany-Schenectady-Troy	277.5	277.4	264.3	(1)	(1)	(1)	14.1	14.6	15.2	60.0	60.2	51.0
46	Binghamton	103.7	103.9	105.6	(1)	(1)	(1)	5.2	5.2	4.4	40.5	40.9	44.3
47	Buffalo	480.1	482.5	513.7	(1)	(1)	(1)	19.4	21.0	22.0	148.6	150.7	179.6
48	Elmira	39.0	39.1	38.9	(1)	(1)	(1)	2.0	2.0	1.9	15.6	15.6	15.6
49	Monroe County ⁸	297.7	300.1	311.3	(1)	(1)	(1)	13.0	13.6	14.0	122.0	124.4	136.3
50	Nassau and Suffolk Counties ⁹	721.2	719.5	713.4	(1)	(1)	(1)	40.5	41.4	38.1	143.5	146.2	163.1
51	New York-Northeastern New Jersey	(*)	6,766.5	6,807.1	(*)	5.1	5.0	(*)	256.6	247.2	(*)	1,687.2	1,783.5
52	New York SMSA ⁷	4,930.2	4,923.6	4,943.8	2.6	2.6	2.7	174.0	175.9	169.0	1,032.1	1,042.7	1,099.2
53	New York City ⁹	3,838.8	3,834.4	3,861.0	2.1	2.1	2.1	109.7	110.1	106.7	802.8	810.9	841.2
54	Rochester	340.3	342.7	353.3	(1)	(1)	(1)	14.8	15.5	15.5	136.1	138.5	151.1
55	Rockland County ⁹	61.2	61.5	57.6	(1)	(1)	(1)	3.9	4.1	3.8	14.7	15.0	14.4
56	Syracuse	225.0	225.6	225.2	(1)	(1)	(1)	11.8	12.1	11.4	58.1	59.4	62.6
57	Utica-Rome	112.6	114.7	112.7	(1)	(1)	(1)	3.8	4.1	3.6	40.0	40.4	39.7
58	Westchester County	309.0	308.2	311.8	(1)	(1)	(1)	19.9	20.3	20.5	71.1	70.6	80.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969
1	NORTH CAROLINA	1,760.6	1,758.2	1,762.1	3.6	3.7	3.5	95.0	95.6	97.5	699.0	701.9	716.9
2	Asheville	-	-	-	-	-	-	-	-	-	18.6	18.6	19.8
3	Charlotte	178.6	178.3	178.9	(1)	(1)	(1)	10.7	10.9	12.3	41.4	41.4	43.0
4	Greensboro-Winston-Salem-High Point	261.7	260.7	263.0	(1)	(1)	(1)	14.5	14.5	14.3	110.2	110.2	114.0
5	Raleigh	-	-	-	-	-	-	-	-	-	13.8	14.1	14.7
6	NORTH DAKOTA	168.0	168.4	163.4	2.0	1.9	2.0	11.2	11.8	9.5	9.4	9.5	9.2
7	Fargo-Moorhead	44.4	44.2	42.8	(1)	(1)	(1)	3.0	3.1	3.4	3.2	3.4	3.1
8	OHIO	3,871.6	3,882.8	3,949.8	21.4	21.5	20.5	182.7	189.2	187.3	1,310.6	1,331.8	1,461.6
9	Akron	250.7	250.3	252.7	.3	.3	.3	9.6	9.9	9.9	94.4	94.9	102.7
10	Canton	136.9	137.1	138.2	.4	.4	.3	5.7	5.8	5.9	59.0	59.3	62.7
11	Cincinnati	511.4	512.3	504.1	.4	.4	.4	23.3	23.9	23.8	161.9	163.3	166.2
12	Cleveland	856.5	857.7	879.4	1.7	1.8	1.7	39.7	40.5	40.0	272.0	277.3	313.0
13	Columbus	382.5	383.2	377.2	.8	.8	.8	19.3	19.9	20.0	86.0	86.8	89.8
14	Dayton	321.3	326.5	342.4	.5	.5	.5	13.8	14.2	14.0	110.3	116.3	135.8
15	Toledo	243.7	244.9	248.4	.3	.3	.3	10.3	10.5	10.4	75.3	78.0	86.0
16	Youngstown-Warren	183.7	184.4	198.7	.3	.3	.3	10.0	10.2	9.8	70.7	71.8	90.3
17	OKLAHOMA	761.0	760.3	768.1	37.4	37.4	39.5	35.6	35.5	37.7	132.2	133.2	134.9
18	Oklahoma City	256.2	255.6	253.3	6.6	6.5	6.8	13.0	13.0	12.8	37.8	37.8	36.5
19	Tulsa	177.2	177.7	181.1	13.1	13.1	13.5	8.4	8.4	8.9	42.2	42.7	45.2
20	OREGON²	717.0	723.1	715.3	1.3	1.4	1.5	29.8	31.6	31.1	171.3	176.1	179.2
21	Eugene	68.9	69.5	69.1	(1)	(1)	(1)	3.3	3.5	2.9	18.2	18.5	18.8
22	Portland ²	383.8	385.0	387.2	(1)	(1)	(1)	17.6	18.5	19.1	84.3	85.3	91.6
23	Salem	54.0	57.3	53.7	(1)	(1)	(1)	2.1	2.6	2.6	9.2	12.3	10.2
24	PENNSYLVANIA	4,326.5	4,326.2	4,407.0	40.9	40.7	39.8	209.7	218.9	209.2	1,463.5	1,475.6	1,571.8
25	Allentown-Bethlehem-Easton	214.0	214.9	217.5	.5	.5	.5	8.5	8.8	8.8	102.0	103.4	106.3
26	Altoona	48.4	47.9	48.8	(1)	(1)	(1)	2.2	2.2	2.0	15.5	15.3	15.9
27	Delaware Valley ⁵	1,548.3	1,544.4	1,582.3	1.1	1.1	1.1	78.3	79.5	75.4	458.0	460.6	498.8
28	Erie	99.5	99.3	93.5	(1)	(1)	(1)	4.2	4.4	4.7	43.4	44.2	38.1
29	Harrisburg	172.8	172.6	174.1	(1)	(1)	(1)	9.0	9.2	9.0	38.7	38.9	40.0
30	Johnstown	78.7	79.2	80.7	5.2	5.1	5.1	3.2	3.6	3.2	23.6	24.0	26.6
31	Lancaster	122.0	121.8	119.1	(1)	(1)	(1)	6.4	6.5	5.8	54.2	54.3	55.9
32	Philadelphia	1,807.0	1,802.1	1,834.9	1.3	1.3	1.2	92.9	94.6	89.3	529.5	533.5	574.2
33	Pittsburgh	861.1	862.8	876.1	9.7	9.6	9.2	48.4	50.5	46.2	263.5	265.6	288.6
34	Reading	121.9	122.9	126.4	(1)	(1)	(1)	4.8	5.0	4.7	53.8	55.4	60.2
35	Scranton	86.5	86.2	87.7	.4	.4	.5	2.8	2.9	2.6	32.3	32.4	34.5
36	Wilkes-Barre-Hazleton	123.8	123.0	123.5	2.2	2.2	2.4	5.9	6.1	5.5	51.8	51.6	52.9
37	York	133.5	134.5	133.2	(1)	(1)	(1)	8.5	9.1	7.3	61.5	62.4	63.7
38	RHODE ISLAND	335.1	335.6	343.3	(1)	(1)	(1)	14.8	15.5	14.9	116.3	117.1	125.5
39	Providence-Pawtucket-Warwick	346.5	347.8	355.5	(1)	(1)	(1)	14.8	15.5	15.3	132.3	133.7	141.8
40	SOUTH CAROLINA	(*)	810.2	818.3	(*)	1.7	1.7	(*)	48.9	48.3	(*)	326.3	339.0
41	Charleston	(*)	86.8	88.3	(*)	(1)	(1)	(*)	5.3	5.9	(*)	14.8	16.1
42	Columbia	(*)	107.9	106.3	(*)	(1)	(1)	(*)	7.2	7.0	(*)	19.4	19.0
43	Greenville	(*)	123.4	124.8	(*)	(1)	(1)	(*)	10.0	9.8	(*)	53.3	55.4
44	SOUTH DAKOTA²	176.7	177.7	175.5	2.2	2.2	2.3	7.2	8.1	7.9	15.6	15.7	15.9
45	Sioux Falls ²	34.8	34.8	34.4	(1)	(1)	(1)	1.8	1.8	1.6	5.9	5.9	5.9
46	TENNESSEE	1,334.1	1,331.5	1,334.6	7.6	7.6	7.3	69.3	69.3	71.8	460.4	459.5	471.0
47	Chattanooga	126.9	126.7	128.3	.3	.3	.2	5.4	5.5	5.5	51.4	51.1	55.0
48	Knoxville	(*)	148.1	151.3	(*)	1.9	1.8	(*)	7.8	7.3	(*)	46.5	50.1
49	Memphis	276.4	275.5	274.9	.3	.3	.2	15.7	15.4	14.6	59.4	58.6	61.3
50	Nashville	221.9	221.3	220.9	(1)	(1)	(1)	13.5	13.6	14.4	62.5	62.3	62.8
51	TEXAS	3,727.9	3,716.6	3,671.8	103.0	102.6	104.0	235.2	232.2	237.3	704.3	710.1	755.7
52	Amarillo	-	-	-	-	-	-	-	-	-	7.3	7.3	6.9
53	Austin	-	-	-	-	-	-	-	-	-	11.6	11.7	11.4
54	Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	36.6	36.8	37.8
55	Corpus Christi	-	-	-	-	-	-	-	-	-	(*)	11.4	11.3

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			
Nov. 1970 ^P	Oct. 1970	Nov. 1969	Nov. 1970 ^P	Oct. 1970	Nov. 1969	Nov. 1970 ^P	Oct. 1970	Nov. 1969	Nov. p 1970	Oct. 1970	Nov. 1969	Nov. p 1970	Oct. 1970	Nov. 1969	
92.4	92.3	92.1	315.8	312.0	316.0	70.8	71.2	68.1	208.3	207.6	202.8	275.7	273.9	265.2	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.5	18.5	18.7	46.2	45.7	45.7	12.4	12.4	12.4	27.8	27.8	26.6	21.6	21.6	20.2	3
16.3	16.3	15.7	47.4	46.7	47.8	12.5	12.5	12.1	30.7	30.5	29.7	30.1	30.0	29.4	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
11.8	11.8	12.2	44.5	44.7	44.6	7.1	7.1	6.9	29.9	29.6	29.2	52.1	52.0	49.9	6
3.2	3.2	3.2	12.8	12.7	12.5	2.6	2.5	2.3	9.4	9.3	8.6	10.1	10.0	9.5	7
235.6	234.7	226.8	802.1	791.1	786.7	159.2	159.5	153.8	577.4	579.8	551.5	582.6	575.3	561.4	8
15.5	15.5	14.8	50.3	49.8	49.6	7.1	7.0	6.6	35.2	35.3	33.3	38.4	37.7	35.5	9
6.8	6.8	6.8	27.6	27.4	26.5	5.0	5.0	4.6	19.5	19.5	18.5	13.0	13.0	12.8	10
37.5	37.5	36.1	111.0	109.4	108.6	26.6	26.6	25.9	81.4	81.9	77.1	69.3	69.2	66.1	11
54.9	54.7	53.3	190.0	187.6	185.8	43.0	43.2	41.2	141.8	142.3	134.5	113.4	110.3	109.9	12
22.3	22.4	21.6	82.3	81.1	80.3	26.1	26.1	25.0	65.2	66.0	61.5	80.4	80.1	78.3	13
12.8	12.9	12.6	62.9	62.1	62.0	10.1	10.1	9.5	51.0	50.9	48.9	59.8	59.4	59.1	14
18.1	17.9	17.5	54.8	53.8	53.7	8.3	8.2	8.1	39.6	39.7	37.8	37.0	36.4	34.6	15
10.1	10.1	9.8	38.9	38.6	37.3	5.9	5.9	5.6	27.1	27.1	25.7	20.7	20.4	19.9	16
52.2	52.3	53.4	167.9	167.1	167.4	36.6	36.7	36.4	111.0	110.1	109.6	188.1	188.0	189.2	17
17.4	17.4	17.4	57.8	57.1	57.1	15.8	15.9	15.6	37.5	37.6	36.7	70.3	70.3	70.4	18
15.9	15.9	16.7	39.8	39.6	40.3	9.5	9.5	9.4	30.0	30.1	28.9	18.3	18.4	18.2	19
48.0	48.0	49.8	164.8	164.6	164.2	36.0	36.1	35.8	114.7	114.9	108.8	151.1	150.4	144.9	20
4.0	4.1	4.2	13.5	13.5	14.1	2.9	2.9	3.0	9.9	9.9	9.5	17.1	17.1	16.6	21
30.2	30.2	30.8	94.5	93.6	94.4	24.7	24.8	24.5	68.6	68.8	66.3	63.9	63.8	60.5	22
2.0	2.0	1.7	11.3	11.2	10.6	3.2	3.1	3.1	8.0	8.0	7.8	18.2	18.1	17.7	23
274.2	275.4	271.8	827.7	813.9	837.1	190.6	191.0	185.4	690.4	695.1	673.7	629.5	615.6	618.2	24
12.5	12.5	11.8	35.6	35.1	36.8	6.9	6.9	6.5	27.7	27.6	27.2	20.3	20.1	19.6	25
7.5	7.4	7.7	8.5	8.3	8.7	1.2	1.2	1.2	7.1	7.1	7.0	6.4	6.4	6.3	26
97.0	96.9	95.4	320.6	314.3	324.8	91.9	92.2	90.4	281.4	282.6	276.6	220.0	217.2	219.8	27
5.4	5.4	5.4	17.9	17.5	17.5	3.7	3.7	3.6	13.6	13.7	13.2	11.3	10.4	11.0	28
13.4	13.4	13.3	32.9	32.4	33.5	8.8	8.8	8.4	25.3	25.5	25.5	44.7	44.4	44.4	29
5.0	5.0	4.8	14.0	13.7	13.9	2.2	2.2	2.2	12.8	12.9	12.5	12.7	12.7	12.4	30
5.6	5.6	5.3	24.2	24.4	22.4	2.9	2.9	2.8	17.6	17.5	16.6	11.1	10.6	10.3	31
110.7	110.8	108.5	384.4	376.2	382.5	101.1	101.3	99.3	320.6	321.0	315.3	266.5	263.4	264.6	32
60.4	60.3	60.1	175.9	173.4	177.1	38.0	38.2	36.7	159.7	160.9	155.7	105.5	104.3	102.5	33
6.5	6.6	6.5	20.8	19.9	20.0	4.8	4.8	4.7	16.6	16.8	16.6	14.6	14.4	13.7	34
5.1	5.1	5.1	18.3	17.9	18.1	2.6	2.6	2.6	14.6	14.5	14.4	10.4	10.4	9.9	35
6.8	6.8	6.7	21.9	21.4	21.7	4.1	4.1	3.9	15.2	15.2	15.1	15.9	15.6	15.3	36
6.2	6.2	6.2	25.0	24.4	25.1	2.9	2.9	2.7	15.3	15.6	14.6	14.1	13.9	13.6	37
15.5	15.6	15.4	68.3	67.0	67.9	14.9	15.0	15.0	53.3	53.6	52.7	52.0	51.8	51.9	38
15.2	15.3	15.0	68.8	67.5	68.4	14.9	15.1	15.1	52.1	52.4	51.5	48.4	48.3	48.4	39
(*)	36.2	36.2	(*)	137.1	136.9	(*)	29.1	28.9	(*)	82.6	82.3	(*)	148.3	145.0	40
(*)	5.3	5.1	(*)	16.9	17.1	(*)	3.5	3.5	(*)	10.6	10.3	(*)	30.4	30.3	41
(*)	7.1	7.1	(*)	23.0	22.8	(*)	6.9	6.5	(*)	14.2	14.0	(*)	30.1	29.9	42
(*)	4.6	4.8	(*)	21.8	21.8	(*)	4.9	4.8	(*)	12.7	13.0	(*)	16.1	15.2	43
10.4	10.4	10.5	45.3	45.5	44.7	7.5	7.5	7.3	32.4	32.5	31.2	56.1	55.8	55.7	44
3.0	3.0	3.1	10.5	10.5	10.6	2.0	2.0	2.0	6.9	6.9	6.7	4.7	4.7	4.7	45
66.2	66.2	66.5	262.9	261.5	261.9	57.7	57.8	57.1	178.8	179.4	179.5	231.2	230.2	219.5	46
6.1	6.2	6.5	22.9	22.9	23.1	7.6	7.5	7.3	16.3	16.5	15.5	16.9	16.7	15.2	47
(*)	6.7	6.5	(*)	31.6	32.7	(*)	4.9	4.9	(*)	19.6	19.8	(*)	29.1	28.2	48
19.9	20.2	20.5	69.5	68.9	70.0	14.9	14.9	14.5	45.8	46.6	44.5	50.9	50.6	49.3	49
13.2	13.1	13.1	47.2	46.8	47.9	14.7	14.7	13.9	36.5	36.4	35.5	34.4	34.4	33.3	50
270.1	269.9	259.8	915.2	906.8	876.3	195.2	196.1	187.8	630.5	626.7	593.7	674.4	672.2	657.2	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

State and area	TOTAL			Mining			Contract construction			Manufacturing		
	Nov. 1970 ^p	Oct. 1970	Nov. 1969	Nov. 1970 ^p	Oct. 1970	Nov. 1969	Nov. 1970 ^p	Oct. 1970	Nov. 1969	Nov. 1970 ^p	Oct. 1970	Nov. 1969
TEXAS (continued)												
1 Dallas	662.1	664.4	663.2	7.6	7.6	7.8	39.9	40.2	37.0	146.6	149.1	173.4
2 El Paso	-	-	-	-	-	-	-	-	-	24.7	24.7	22.3
3 Fort Worth	260.2	259.5	271.8	1.8	1.7	1.8	11.6	11.4	12.9	81.9	82.8	95.7
4 Galveston-Texas City	-	-	-	-	-	-	-	-	-	11.9	11.8	11.7
5 Houston	791.0	788.4	766.4	30.9	30.8	29.1	74.9	74.9	75.3	141.6	142.1	144.5
6 Lubbock	-	-	-	-	-	-	-	-	-	6.3	6.3	7.0
7 San Antonio	-	-	-	-	-	-	-	-	-	31.7	31.9	33.6
8 Waco	256.5	257.1	260.5	1.3	1.3	1.3	14.0	14.0	15.8	12.0	11.4	13.2
9 Wichita Falls	-	-	-	-	-	-	-	-	-	4.2	4.3	4.7
10 UTAH	364.4	364.7	358.2	12.7	12.7	12.8	15.6	16.1	14.5	55.6	56.3	55.9
11 Salt Lake City	192.8	193.1	188.5	7.6	7.6	7.6	9.2	9.6	7.9	29.4	29.2	29.7
VERMONT												
12 Burlington	145.9	148.7	146.2	1.0	1.0	1.0	10.4	11.1	10.9	38.7	39.1	42.7
13 Springfield	38.5	38.6	37.5	-	-	-	-	-	-	10.4	10.5	10.4
14 Springfield	12.3	12.3	13.4	-	-	-	-	-	-	5.5	5.4	6.7
VIRGINIA												
15 Lynchburg	1,464.8	1,460.7	1,453.3	16.0	15.9	14.7	93.7	95.2	93.1	364.0	364.0	371.8
16 Newport News-Hampton	53.4	53.3	51.5	(1)	(1)	(1)	2.8	2.9	2.7	24.3	24.2	24.5
17 Norfolk-Portsmouth	96.6	96.2	97.3	(1)	(1)	(1)	5.8	5.8	5.2	24.0	24.1	26.7
18 Northern Virginia	199.2	199.3	198.7	(1)	(1)	(1)	13.7	14.1	13.3	19.5	19.5	20.4
19 Richmond	268.7	267.9	253.6	.4	.4	.4	20.7	21.2	21.1	8.7	8.7	9.2
20 Roanoke	238.1	236.7	235.6	.2	.2	.2	15.0	15.0	15.4	51.0	51.1	52.3
21 Roanoke	(*)	82.9	80.0	(*)	.1	.1	(*)	5.3	4.8	(*)	19.6	18.1
WASHINGTON												
22 Seattle-Everett	1,071.5	1,086.3	1,123.6	1.7	1.8	1.6	54.2	57.4	56.3	225.1	233.3	269.4
23 Spokane	502.6	505.2	554.7	(1)	(1)	(1)	23.8	24.7	27.1	116.1	117.8	155.2
24 Tacoma	91.5	92.2	90.9	(1)	(1)	(1)	5.7	5.8	5.3	12.0	12.3	13.4
25 Tacoma	105.5	105.5	108.1	(1)	(1)	(1)	5.0	5.2	5.9	19.5	19.7	20.4
WEST VIRGINIA												
26 Charleston	515.3	516.3	518.7	49.9	49.6	47.9	25.1	25.4	26.8	124.7	126.5	131.2
27 Huntington-Ashland	81.0	80.6	83.1	4.1	4.1	3.7	3.7	3.7	4.2	16.8	16.9	17.6
28 Wheeling	82.3	82.2	82.1	.5	.5	.5	3.3	3.5	3.5	26.7	26.8	26.7
29 Wheeling	59.6	59.0	59.2	5.4	5.3	4.7	3.2	3.2	3.7	15.9	15.8	16.1
WISCONSIN												
30 Green Bay	1,536.9	1,540.6	1,540.5	2.8	2.9	2.9	61.0	63.6	69.9	474.9	480.9	506.6
31 Kenosha	56.0	56.3	55.2	(1)	(1)	(1)	2.4	2.3	2.7	17.0	17.6	17.2
32 La Crosse	36.1	36.1	27.6	(1)	(1)	(1)	1.2	1.2	1.1	16.8	16.8	9.2
33 Madison	29.2	29.5	30.0	(1)	(1)	(1)	1.0	1.1	1.3	7.4	7.4	8.6
34 Milwaukee	127.1	126.4	123.1	(1)	(1)	(1)	7.4	7.6	7.1	15.8	15.9	16.6
35 Racine	569.8	569.7	576.8	(1)	(1)	(1)	20.9	22.0	24.9	194.1	196.9	208.1
36 Racine	53.5	52.8	57.0	(1)	(1)	(1)	1.6	1.6	1.9	22.8	22.5	26.8
WYOMING												
37 Casper	107.6	109.4	106.2	12.0	11.9	11.4	6.9	7.5	6.7	7.4	7.6	7.9
38 Cheyenne	18.6	19.0	19.4	3.5	3.6	3.5	1.0	1.0	1.3	1.6	1.6	1.6
39 Cheyenne	18.6	18.7	18.2	(1)	(1)	(1)	.3	.9	.9	1.3	1.3	1.0

1 Combined with services.
 2 Revised to 1970 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 the District of Columbia.
 5 Area included in Chicago-Northwestern Indiana Standard Consolidated Area.
 6 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
 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 Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
 11 Subarea of Washington, D. C. Standard Metropolitan Statistical Area.

* Not available.
 p = preliminary.
 SOURCE: Cooperating State agencies listed on inside back cover.

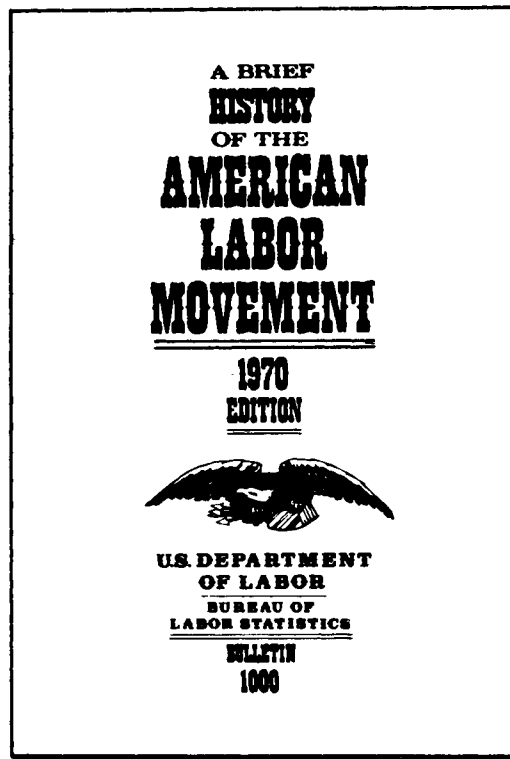
ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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			
Nov. 1970	Oct. 1970	Nov. 1969	Nov. 1970	Oct. 1970	Nov. 1969	Nov. 1970	Oct. 1970	Nov. 1969	Nov. 1970	Oct. 1970	Nov. 1969	Nov. 1970	Oct. 1970	Nov. 1969	
53.3	53.4	52.5	182.2	181.6	174.2	56.3	56.4	53.3	104.3	104.7	97.4	72.0	71.4	67.7	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
15.7	15.7	15.5	63.5	62.5	63.1	12.2	12.2	12.0	38.1	38.0	37.2	35.4	35.2	33.6	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
68.4	68.5	66.4	194.8	190.3	187.0	41.5	41.3	39.2	146.4	146.6	137.5	92.5	93.9	87.4	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
10.8	10.8	11.3	62.9	63.1	63.4	16.6	16.5	16.2	44.7	45.1	44.4	74.5	74.4	74.5	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.1	23.1	23.1	81.6	80.8	80.1	15.4	15.4	14.6	59.4	59.7	56.4	101.3	100.6	100.8	10
15.8	15.9	15.2	51.2	50.6	50.6	11.4	11.3	11.2	32.3	32.8	30.6	36.1	36.1	35.7	11
8.2	8.2	7.8	28.4	28.6	27.7	5.6	5.6	5.3	27.2	28.8	25.6	26.6	26.5	25.3	12
2.0	2.0	1.9	7.9	7.7	7.7	-	-	-	7.0	7.1	6.7	-	-	-	13
.8	.8	.8	1.9	1.9	1.9	-	-	-	1.8	1.8	1.7	-	-	-	14
98.8	98.8	96.2	310.1	305.5	306.1	68.9	68.9	66.6	209.9	211.1	208.4	303.4	301.3	296.4	15
2.5	2.6	2.4	9.4	9.2	8.3	2.1	2.1	1.9	6.7	6.7	6.2	5.6	5.6	5.5	16
4.4	4.3	4.1	17.9	17.5	17.1	2.9	2.9	2.9	13.2	13.2	12.3	28.4	28.4	29.0	17
15.9	16.0	16.2	49.8	49.4	48.9	9.6	9.7	9.2	30.0	30.4	29.5	60.7	60.2	61.2	18
20.6	20.7	19.3	62.7	61.3	61.1	15.6	15.8	15.1	44.5	44.6	44.9	95.5	95.2	82.5	19
18.3	18.3	17.9	55.3	54.1	54.5	18.4	18.4	17.9	34.9	35.0	34.0	45.0	44.6	43.4	20
(*)	10.8	10.8	(*)	19.4	19.3	(*)	4.2	4.2	(*)	13.1	12.6	(*)	10.4	10.1	21
71.4	72.3	74.3	244.8	245.7	251.0	57.4	57.8	58.4	169.3	171.1	169.4	247.6	246.9	243.2	22
37.9	38.1	41.1	116.3	115.6	123.0	35.2	35.3	35.7	80.5	81.3	81.4	92.8	92.4	91.2	23
7.3	7.4	7.5	23.5	23.9	23.5	5.3	5.3	5.1	19.1	19.2	18.4	18.6	18.3	17.7	24
6.7	6.7	6.7	23.1	22.9	23.8	6.1	6.1	6.0	19.0	18.8	18.8	26.1	26.1	26.5	25
41.9	41.9	41.3	94.6	93.4	95.1	15.6	15.6	15.1	65.3	65.7	64.6	98.1	98.2	96.7	26
9.0	8.9	8.8	19.3	18.9	19.7	4.1	4.1	3.8	11.6	11.6	11.5	12.5	12.4	13.8	27
8.3	8.3	8.0	18.1	17.9	18.3	2.9	2.9	2.8	10.0	9.9	10.0	12.5	12.4	12.3	28
3.8	3.8	3.6	12.9	12.7	13.3	2.2	2.2	2.2	9.2	9.2	8.7	7.0	7.0	6.9	29
82.6	82.5	81.9	353.0	348.2	338.3	62.2	62.1	59.8	229.4	230.7	218.5	271.0	269.7	262.6	30
4.9	4.8	4.6	14.3	14.2	14.2	1.5	1.5	1.4	8.5	8.5	8.2	7.5	7.4	7.0	31
1.3	1.3	1.2	6.5	6.4	6.2	.7	.7	.7	4.8	4.8	4.6	4.8	4.9	4.5	32
2.2	2.2	2.2	7.5	7.5	7.3	.6	.6	.6	5.8	5.8	5.5	4.7	4.8	4.5	33
6.1	6.1	5.5	27.5	26.6	24.8	6.6	6.6	6.3	18.7	18.6	17.1	45.0	44.9	45.5	34
32.1	31.7	31.9	130.3	127.4	126.9	29.3	29.3	28.2	88.6	88.1	84.7	74.5	74.2	72.2	35
2.1	2.0	2.2	10.4	10.2	9.9	1.4	1.4	1.5	7.7	7.8	7.7	7.4	7.1	7.1	36
10.8	10.9	10.8	22.1	22.8	23.1	3.9	3.8	3.6	14.7	15.0	14.5	29.8	29.9	28.2	37
1.3	1.4	1.4	4.5	4.6	4.7	.8	.8	.8	2.2	2.3	2.5	3.7	3.7	3.6	38
2.3	2.4	2.6	4.2	4.0	3.9	1.0	1.0	.9	3.3	3.4	3.1	5.7	5.7	5.8	39

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**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				
		Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969
	TOTAL PRIVATE	\$122.43	\$121.40	\$121.36	\$117.62	\$117.38	\$3.30	\$3.29	\$3.28	\$3.12	\$3.13
	MINING	165.09	168.67	168.56	160.64	161.08	3.94	3.95	3.92	3.71	3.72
10	METAL MINING	-	170.37	169.09	161.57	159.64	-	3.99	3.96	3.74	3.73
101	Iron ores	-	168.04	165.15	154.22	154.54	-	4.02	3.97	3.78	3.76
102	Copper ores	-	180.00	179.95	173.25	170.46	-	4.00	3.99	3.75	3.73
11,12	COAL MINING	-	192.17	192.51	179.99	176.40	-	4.71	4.65	4.39	4.41
12	Bituminous coal and lignite mining	-	194.21	195.05	182.52	179.29	-	4.76	4.70	4.43	4.46
13	OIL AND GAS EXTRACTION	-	156.31	154.30	153.37	154.96	-	3.61	3.58	3.47	3.49
131,2	Crude petroleum and natural gas fields	-	160.33	155.56	147.70	151.25	-	3.92	3.86	3.62	3.68
138	Oil and gas field services	-	153.90	153.79	156.96	157.51	-	3.42	3.41	3.39	3.38
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	158.06	161.36	149.75	154.58	-	3.56	3.57	3.35	3.39
142	Crushed and broken stone	-	156.98	163.57	148.53	154.63	-	3.45	3.51	3.25	3.29
	CONTRACT CONSTRUCTION	203.79	196.57	203.79	189.13	184.39	5.42	5.43	5.42	5.03	4.97
15	GENERAL BUILDING CONTRACTORS	-	186.38	192.36	176.78	172.20	-	5.28	5.27	4.83	4.81
16	HEAVY CONSTRUCTION CONTRACTORS	-	192.23	203.00	185.32	187.22	-	4.98	5.00	4.61	4.60
161	Highway and street construction	-	177.75	195.43	160.74	174.07	-	4.69	4.79	4.23	4.33
162	Heavy construction, nec.	-	205.15	210.60	203.98	198.51	-	5.22	5.20	4.88	4.83
17	SPECIAL TRADE CONTRACTORS	-	205.63	211.23	198.28	190.41	-	5.76	5.74	5.33	5.26
171	Plumbing, heating, air conditioning	-	217.99	223.82	212.78	203.20	-	5.86	5.89	5.47	5.39
172	Painting, paper hanging, decorating	-	179.86	184.97	176.50	172.96	-	5.29	5.30	5.00	4.97
173	Electrical work	-	238.46	242.26	236.06	224.04	-	6.21	6.18	5.80	5.73
174	Masonry, stonework, and plastering	-	181.44	190.37	176.47	170.83	-	5.60	5.55	5.13	5.13
176	Roofing and sheetmetal work	-	167.10	170.69	162.92	156.23	-	5.11	5.08	4.82	4.72
	MANUFACTURING	138.40	134.58	133.45	134.89	132.36	3.46	3.39	3.37	3.29	3.26
19,24,25, 32-39	DURABLE GOODS	149.04	143.56	142.76	145.53	142.55	3.68	3.58	3.56	3.49	3.46
20-23,26-31	NONDURABLE GOODS	124.26	123.17	122.07	119.60	118.21	3.17	3.15	3.13	2.99	2.97
	Durable Goods										
19	ORDNANCE AND ACCESSORIES	154.57	151.03	147.53	143.91	143.32	3.77	3.72	3.67	3.51	3.53
192	Ammunition, except for small arms	151.33	148.92	142.48	138.98	137.94	3.70	3.65	3.58	3.44	3.44
1925	Complete guided missiles	-	182.76	176.81	175.07	175.10	-	4.28	4.23	4.10	4.12
1929	Ammunition, exc. for small arms, nec	-	127.12	121.59	122.53	120.90	-	3.21	3.15	3.11	3.10
24	LUMBER AND WOOD PRODUCTS	121.50	120.48	120.78	113.88	114.11	3.03	3.05	3.05	2.84	2.86
242	Sawmills and planing mills	(*)	113.39	115.63	109.75	109.18	(*)	2.90	2.92	2.73	2.75
2421	Sawmills and planing mills, general	-	117.00	119.29	113.20	112.58	-	3.00	3.02	2.83	2.85
243	Millwork, plywood & related products	129.85	127.76	127.36	123.11	122.81	3.23	3.21	3.20	3.01	3.01
2431	Millwork	-	122.85	123.48	119.90	117.02	-	3.15	3.15	2.99	2.97
2432	Veneer and plywood	-	131.14	130.01	124.56	125.46	-	3.23	3.21	2.98	2.98
244	Wooden containers	(*)	94.49	95.87	93.03	90.64	(*)	2.48	2.49	2.32	2.33
2441,2	Wooden boxes, shooks, and crates	-	90.68	92.93	91.71	88.53	-	2.38	2.42	2.27	2.27
249	Miscellaneous wood products	108.24	107.86	107.04	101.66	101.91	2.64	2.65	2.63	2.51	2.51
25	FURNITURE AND FIXTURES	114.17	111.56	111.72	110.57	108.81	2.84	2.81	2.80	2.71	2.70
251	Household furniture	108.14	106.13	105.86	103.53	102.26	2.69	2.66	2.64	2.55	2.55
2511	Wood household furniture	-	100.69	100.53	98.88	97.92	-	2.48	2.47	2.40	2.40
2512	Upholstered household furniture	-	113.54	114.00	111.38	108.78	-	2.86	2.85	2.75	2.74
2515	Mattresses and bedsprings	-	113.39	110.50	106.98	106.92	-	2.93	2.87	2.75	2.77
252	Office furniture	-	125.44	126.32	127.91	128.10	-	3.20	3.19	3.06	3.05
254	Partitions and fixtures	-	131.24	133.96	135.55	131.20	-	3.40	3.40	3.29	3.28
253,9	Other furniture and fixtures	124.12	120.08	120.08	117.74	116.24	3.08	3.04	3.04	2.90	2.87
32	STONE, CLAY, AND GLASS PRODUCTS	144.55	143.85	143.66	137.76	137.85	3.50	3.50	3.47	3.28	3.29
321	Flat glass	-	191.35	171.75	181.01	183.61	-	4.45	4.22	4.19	4.27
322	Glass and glassware, pressed or blown	147.74	143.60	143.67	136.86	135.46	3.63	3.59	3.53	3.33	3.32
3221	Glass containers	-	145.30	148.78	141.10	137.90	-	3.66	3.62	3.40	3.38
3229	Pressed and blown glass, nec.	-	141.75	135.60	130.82	132.93	-	3.50	3.39	3.23	3.25
324	Cement, hydraulic	184.41	188.63	178.81	166.78	172.57	4.37	4.47	4.34	3.99	4.07
325	Structural clay products	116.12	115.09	114.51	111.78	111.93	2.86	2.87	2.87	2.76	2.75
3251	Brick and structural clay tile	-	110.70	109.35	105.01	106.86	-	2.70	2.70	2.58	2.60
326	Pottery and related products	-	119.65	120.34	116.82	116.98	-	3.06	3.07	2.95	2.91
327	Concrete, gypsum, and plaster products	(*)	150.45	154.94	142.99	143.09	(*)	3.54	3.57	3.31	3.32
328,9	Other stone and nonmetallic mineral products	144.14	142.21	141.80	139.35	136.78	3.49	3.46	3.45	3.31	3.28
3291	Abrasive products	-	133.50	132.43	139.94	140.29	-	3.56	3.56	3.43	3.43

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Dec. 1970 P	Nov. 1970P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 P	Nov. 1970P	Oct. 1970	Dec. 1969	Nov. 1969
-	TOTAL PRIVATE	37.1	36.9	37.0	37.7	37.5	-	-	-	-	-
-	MINING	41.9	42.7	43.0	43.3	43.3	-	-	-	-	-
10	METAL MINING	-	42.7	42.7	43.2	42.8	-	-	-	-	-
101	Iron ores	-	41.8	41.6	40.8	41.1	-	-	-	-	-
102	Copper ores	-	45.0	45.1	46.2	45.7	-	-	-	-	-
11,12	COAL MINING	-	40.8	41.4	41.0	40.0	-	-	-	-	-
12	Bituminous coal and lignite mining	-	40.8	41.5	41.2	40.2	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	43.3	43.1	44.2	44.4	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	40.9	40.3	40.8	41.1	-	-	-	-	-
138	Oil and gas field services	-	45.0	45.1	46.3	46.6	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	44.4	45.2	44.7	45.6	-	-	-	-	-
142	Crushed and broken stone	-	45.5	46.6	45.7	47.0	-	-	-	-	-
-	CONTRACT CONSTRUCTION	37.6	36.2	37.6	37.6	37.1	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	35.3	36.5	36.6	35.8	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	38.6	40.6	40.2	40.7	-	-	-	-	-
161	Highway and street construction	-	37.9	40.8	38.0	40.2	-	-	-	-	-
162	Heavy construction, n e c	-	39.3	40.5	41.8	41.1	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	35.7	36.8	37.2	36.2	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	37.2	38.0	38.9	37.7	-	-	-	-	-
172	Painting, paper hanging, decorating	-	34.0	34.9	35.3	34.8	-	-	-	-	-
173	Electrical work	-	38.4	39.2	40.7	39.1	-	-	-	-	-
174	Masonry, stonework, and plastering	-	32.4	34.3	34.4	33.3	-	-	-	-	-
176	Roofing and sheet metal work	-	32.7	33.6	33.8	33.1	-	-	-	-	-
-	MANUFACTURING	40.0	39.7	39.6	41.0	40.6	2.7	2.8	2.9	3.6	3.6
19,24,25,32-39	DURABLE GOODS	40.5	40.1	40.1	41.7	41.2	2.7	2.6	2.8	3.8	3.7
20-23,26-31	NONDURABLE GOODS	39.2	39.1	39.0	40.0	39.8	2.8	2.9	3.0	3.4	3.4
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	41.0	40.6	40.2	41.0	40.6	-	2.2	2.0	2.6	2.5
192	Ammunition, except for small arms	40.9	40.8	39.8	40.4	40.1	-	2.1	1.8	2.1	1.9
1925	Complete guided missiles	-	42.7	41.8	42.7	42.5	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	39.6	38.6	39.4	39.0	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS	40.1	39.5	39.6	40.1	39.9	-	3.1	3.3	3.8	3.6
242	Sawmills and planing mills	(*)	39.1	39.6	40.2	39.7	-	3.3	3.6	4.3	3.9
2421	Sawmills and planing mills, general	-	39.0	39.5	40.0	39.5	-	-	-	-	-
243	Millwork, plywood & related products	40.2	39.8	39.8	40.9	40.8	-	2.9	3.0	3.4	3.5
2431	Millwork	-	39.0	39.2	40.1	39.4	-	-	-	-	-
2432	Veneer and plywood	-	40.6	40.5	41.8	42.1	-	-	-	-	-
244	Wooden containers	(*)	38.1	38.5	40.1	38.9	-	2.2	2.3	3.6	3.3
2441,2	Wooden boxes, shooks, and crates	-	38.1	38.4	40.4	39.0	-	-	-	-	-
249	Miscellaneous wood products	41.0	40.7	40.7	40.5	40.6	-	3.4	3.5	3.6	3.7
25	FURNITURE AND FIXTURES	40.2	39.7	39.9	40.8	40.3	-	2.5	2.7	3.4	3.2
251	Household furniture	40.2	39.9	40.1	40.6	40.1	-	2.7	2.7	3.2	3.0
2511	Wood household furniture	-	40.6	40.7	41.2	40.8	-	-	-	-	-
2512	Upholstered household furniture	-	39.7	40.0	40.5	39.7	-	-	-	-	-
2515	Mattresses and bedsprings	-	38.7	38.5	38.9	38.6	-	-	-	-	-
252	Office furniture	-	39.2	39.6	41.8	42.0	-	2.2	2.6	4.4	4.4
254	Partitions and fixtures	-	38.6	39.4	41.2	40.0	-	2.0	2.8	3.9	3.1
253,9	Other furniture and fixtures	40.3	39.5	39.5	40.6	40.5	-	2.2	2.2	3.2	3.3
32	STONE, CLAY, AND GLASS PRODUCTS	41.3	41.1	41.4	42.0	41.9	-	4.1	4.4	4.5	4.7
321	Flat glass	-	43.0	40.7	43.2	43.0	-	5.1	3.6	4.5	5.9
322	Glass and glassware, pressed or blown	40.7	40.0	40.7	41.1	40.8	-	4.4	4.5	4.6	4.7
3221	Glass containers	-	39.7	41.1	41.5	40.8	-	-	-	-	-
3229	Pressed and blown glass, n e c	-	40.5	40.0	40.5	40.9	-	-	-	-	-
324	Cement, hydraulic	42.2	42.2	41.2	41.8	42.4	-	3.3	3.0	3.0	3.5
325	Structural clay products	40.6	40.1	39.9	40.5	40.7	-	3.1	3.1	3.7	3.8
3251	Brick and structural clay tile	-	41.0	40.5	40.7	41.1	-	-	-	-	-
326	Pottery and related products	-	39.1	39.2	39.6	40.2	-	2.2	2.4	2.6	2.8
327	Concrete, gypsum and plaster products	(*)	42.5	43.4	43.2	43.1	-	5.4	6.2	5.9	6.2
328,9	Other stone and nonmetallic mineral products	41.3	41.1	41.1	42.1	41.7	-	3.3	3.6	4.2	4.1
3291	Abrasive products	-	37.5	37.2	40.8	40.9	-	-	-	-	-

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	39.9	39.3	39.5	41.7	41.4	-	2.2	2.5	3.8	3.8
331	Blast furnace and basic steel products	(*)	38.3	38.7	40.6	40.7	-	1.3	1.7	2.7	3.0
3312	Blast furnaces and steel mills	-	38.1	38.5	40.3	40.5	-	-	-	-	-
332	Iron and steel foundries	(*)	39.3	39.7	43.2	42.0	-	3.0	3.3	5.5	4.9
3321	Gray iron foundries	-	38.9	39.9	43.5	42.1	-	-	-	-	-
3322	Malleable iron foundries	-	38.7	37.3	41.1	40.3	-	-	-	-	-
3323	Steel foundries	-	40.5	40.3	43.3	42.5	-	-	-	-	-
333,4	Nonferrous metals	41.6	41.5	41.6	42.4	42.6	-	4.0	4.2	4.6	5.0
3334	Primary aluminum	-	40.3	41.0	41.6	41.5	-	-	-	-	-
335	Nonferrous rolling and drawing	(*)	41.1	40.7	42.8	42.3	-	3.1	3.4	4.5	4.4
3351	Copper rolling and drawing	-	39.1	38.5	43.2	43.1	-	-	-	-	-
3352	Aluminum rolling and drawing	-	41.2	41.1	42.7	42.5	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	42.3	41.8	42.7	41.8	-	-	-	-	-
336	Nonferrous foundries	39.9	39.3	39.1	40.8	40.4	-	2.1	2.2	3.3	3.4
3361	Aluminum castings	-	39.3	39.0	40.3	40.2	-	-	-	-	-
3362,9	Other nonferrous castings	-	39.3	39.3	41.3	40.6	-	-	-	-	-
339	Miscellaneous primary metal products	40.8	40.5	40.1	42.8	42.0	-	3.5	3.4	5.2	4.6
3391	Iron and steel forgings	-	40.1	39.7	42.4	41.3	-	-	-	-	-
34	FABRICATED METAL PRODUCTS	40.9	40.2	40.4	41.8	41.6	-	2.8	3.0	4.0	4.1
341	Metal cans	(*)	42.2	41.6	42.5	42.9	-	3.4	3.7	2.9	3.7
342	Cutlery, hand tools, and hardware	(*)	40.1	40.1	41.3	41.0	-	2.3	2.4	3.3	3.1
3421,3,5	Cutlery and hand tools, incl. saws	-	40.0	39.9	41.2	41.2	-	-	-	-	-
3429	Hardware, n e c	-	40.3	40.2	41.5	40.8	-	-	-	-	-
343	Plumbing and heating, except electric	39.7	39.4	40.1	40.5	40.7	-	2.4	2.6	3.0	3.4
3431,2	Sanitary ware & plumbers' brass goods	-	39.3	39.1	39.8	40.1	-	-	-	-	-
3433	Heating equipment, except electric	-	39.6	40.9	41.1	41.3	-	-	-	-	-
344	Fabricated structural metal products	40.7	40.5	40.7	41.5	41.2	-	3.0	3.2	3.9	3.9
3441	Fabricated structural steel	-	41.3	41.2	41.6	41.3	-	-	-	-	-
3442	Metal doors, sash, and trim	-	39.2	39.7	39.9	39.9	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	41.8	41.9	42.4	42.1	-	-	-	-	-
3444	Sheet metal work	-	39.1	39.8	41.6	40.7	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	39.5	39.4	41.6	41.5	-	-	-	-	-
345	Screw machine products, bolts, etc.	40.1	39.9	40.2	43.2	43.3	-	2.4	2.6	5.8	5.8
3451	Screw machine products	-	40.1	40.0	41.9	41.9	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	39.8	40.3	44.4	44.6	-	-	-	-	-
346	Metal stampings	(*)	40.8	40.7	42.9	42.5	-	3.1	3.4	4.4	4.7
347	Metal services, n e c	39.0	38.6	39.2	40.3	40.0	-	3.6	3.8	4.7	4.8
348	Misc. fabricated wire products	39.5	39.5	39.8	41.2	40.8	-	2.5	2.9	3.9	3.8
349	Misc. fabricated metal products	40.8	39.8	39.9	42.1	41.3	-	2.3	2.6	4.0	3.8
3494,8	Valves, pipe, and pipe fittings	-	40.3	40.2	42.4	41.5	-	-	-	-	-
35	MACHINERY, EXCEPT ELECTRICAL	41.0	40.6	40.4	43.1	42.2	-	2.5	2.6	4.8	4.4
351	Engines and turbines	(*)	40.5	40.2	41.7	40.8	-	3.3	3.0	4.6	4.1
3511	Steam engines and turbines	-	43.4	42.4	41.2	42.4	-	-	-	-	-
3519	Internal combustion engines, n e c	-	39.4	39.4	41.8	40.5	-	-	-	-	-
352	Farm machinery	-	39.6	39.9	40.4	40.3	-	1.9	2.3	2.7	2.4
353	Construction and related machinery	(*)	40.8	40.6	42.9	41.3	-	2.6	2.6	4.6	3.7
3531,2	Construction and mining machinery	-	41.2	41.1	42.6	40.2	-	-	-	-	-
3533	Oil field machinery	-	41.4	41.1	44.2	43.6	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	40.3	39.6	42.8	42.2	-	-	-	-	-
3537	Industrial trucks and tractors	-	37.9	37.5	42.1	41.9	-	-	-	-	-
354	Metal working machinery	(*)	40.5	40.4	45.1	44.1	-	2.5	2.7	6.8	6.3
3541	Machine tools, metal cutting types	-	40.2	40.0	44.2	43.4	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	41.2	41.1	47.1	45.7	-	-	-	-	-
3545	Machine tool accessories	-	39.2	39.0	43.1	42.4	-	-	-	-	-
3542,8	Misc. metal working machinery	-	40.5	40.6	43.9	43.4	-	-	-	-	-
355	Special industry machinery	41.2	40.5	40.5	43.6	42.6	-	2.6	2.6	5.0	4.7
3551	Food products machinery	-	40.0	39.9	43.9	42.9	-	-	-	-	-
3552	Textile machinery	-	40.4	40.4	42.0	41.3	-	-	-	-	-
3555	Printing trades machinery	-	40.7	40.7	43.4	42.8	-	-	-	-	-
356	General industrial machinery	(*)	40.3	39.9	42.9	42.5	-	2.0	2.1	4.7	4.4
3561	Pumps and compressors	-	41.3	40.5	42.6	42.7	-	-	-	-	-
3562	Ball and roller bearings	-	38.6	38.1	43.0	42.2	-	-	-	-	-
3564	Blowers and fans	-	40.9	41.0	43.2	43.1	-	-	-	-	-
3566	Power transmission equipment	-	40.9	40.6	43.6	42.8	-	-	-	-	-
357	Office and computing machines	40.7	40.9	41.0	43.0	41.9	-	2.0	2.0	3.7	3.5
3573	Electronic computing equipment	-	42.0	42.1	44.0	42.2	-	-	-	-	-
358	Service industry machines	40.2	40.3	39.8	41.1	40.6	-	2.4	2.2	2.8	2.6
3585	Refrigeration machinery	-	40.8	40.5	41.4	40.7	-	-	-	-	-
359	Misc. machinery, except electrical	(*)	41.4	41.0	43.3	42.6	-	3.5	3.5	5.3	5.0

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC code	Industry	Average weekly earnings					Average hourly earnings				
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Durable Goods--Continued</i>										
36	ELECTRICAL EQUIPMENT AND SUPPLIES...	\$136.68	\$133.67	\$132.47	\$129.65	\$126.77	\$3.40	\$3.35	\$3.32	\$3.17	\$3.13
361	Electric test & distributing equipment	(*)	143.97	140.94	136.08	134.05	(*)	3.52	3.48	3.24	3.23
3611	Electric measuring instruments	—	125.69	121.59	121.91	120.80	—	3.19	3.15	3.01	2.99
3612	Transformers	—	141.29	137.54	135.68	134.92	—	3.48	3.43	3.20	3.22
3613	Switchgear and switchboard apparatus	—	158.67	156.61	147.92	144.06	—	3.76	3.72	3.44	3.43
362	Electrical industrial apparatus	(*)	135.77	135.32	135.85	131.84	(*)	3.42	3.40	3.25	3.20
3621	Motors and generators	—	137.31	136.80	138.42	132.57	—	3.45	3.42	3.28	3.21
3622	Industrial controls	—	133.51	132.33	131.70	128.39	—	3.38	3.35	3.22	3.17
363	Household appliances	136.72	135.77	138.35	136.35	131.46	3.47	3.42	3.45	3.35	3.23
3632	Household refrigerators and freezers	—	141.96	146.86	150.59	145.55	—	3.64	3.69	3.70	3.55
3633	Household laundry equipment	—	147.20	154.60	156.09	140.94	—	3.68	3.78	3.69	3.48
3634	Electric housewares and fans	—	115.66	111.39	106.92	110.29	—	2.87	2.82	2.70	2.69
364	Electric lighting and wiring equipment	(*)	123.17	122.53	121.10	118.80	(*)	3.15	3.11	2.99	2.97
3641	Electric lamps	—	131.13	132.57	119.20	116.62	—	3.27	3.21	2.98	2.96
3642	Lighting fixtures	—	118.27	117.73	123.32	119.99	—	3.08	3.05	3.06	3.03
3643,4	Wiring devices	—	121.29	119.50	119.95	118.55	—	3.11	3.08	2.94	2.92
365	Radio and TV receiving equipment	(*)	115.34	115.53	109.24	105.81	(*)	2.92	2.91	2.83	2.77
366	Communication equipment	(*)	152.52	149.85	152.08	149.46	(*)	3.72	3.70	3.57	3.55
3661	Telephone and telegraph apparatus	—	150.06	146.69	155.81	153.87	—	3.66	3.64	3.59	3.57
3662	Radio and TV communication equipment	—	154.57	153.00	149.52	146.56	—	3.77	3.75	3.56	3.54
367	Electronic components and accessories	(*)	115.53	115.44	108.38	105.84	(*)	2.97	2.96	2.73	2.70
3671-3	Electron tubes	—	133.82	134.64	120.10	117.90	—	3.28	3.30	3.01	3.00
3674,9	Other electronic components	—	110.98	110.78	106.40	103.88	—	2.89	2.87	2.68	2.65
369	Misc. electrical equipment & supplies	(*)	142.04	138.57	137.97	133.72	(*)	3.49	3.43	3.39	3.31
3694	Engine electrical equipment	—	142.44	139.74	141.77	135.59	—	3.57	3.52	3.58	3.45
37	TRANSPORTATION EQUIPMENT	173.02	163.22	162.41	170.49	165.17	4.22	4.03	4.01	4.04	3.98
371	Motor vehicles and equipment	(*)	164.84	166.46	179.35	171.81	(*)	4.05	4.07	4.22	4.15
3711	Motor vehicles	—	172.21	177.66	184.88	178.05	—	4.19	4.23	4.35	4.28
3712	Passenger car bodies	—	167.69	129.05	201.52	178.13	—	4.09	4.11	4.58	4.42
3713	Truck and bus bodies	—	132.74	136.86	140.13	141.64	—	3.43	3.43	3.46	3.48
3714	Motor vehicle parts and accessories	—	166.87	166.46	178.08	171.39	—	4.08	4.08	4.19	4.12
3715	Truck trailers	—	130.13	126.92	130.33	126.17	—	3.38	3.34	3.21	3.17
372	Aircraft and parts	(*)	175.10	172.61	172.89	168.78	(*)	4.25	4.21	4.03	3.99
3721	Aircraft	—	177.94	174.64	173.79	171.32	—	4.34	4.27	4.07	4.05
3722	Aircraft engines and engine parts	—	171.37	170.14	172.51	165.09	—	4.19	4.17	4.04	3.94
3723,9	Other aircraft parts and equipment	—	172.63	170.15	170.91	166.02	—	4.12	4.10	3.92	3.87
373	Ship and boat building and repairing	(*)	154.79	148.99	150.96	149.04	(*)	3.86	3.83	3.70	3.68
3731	Ship building and repairing	—	162.01	154.81	161.54	159.54	—	4.02	3.99	3.94	3.92
3732	Boat building and repairing	—	123.31	124.34	120.29	117.20	—	3.17	3.14	2.97	2.93
374	Railroad equipment	—	158.56	155.39	160.22	156.72	—	4.14	4.10	3.87	3.86
375,9	Other transportation equipment	—	122.61	125.45	116.72	118.90	—	3.16	3.16	2.97	2.98
38	INSTRUMENTS AND RELATED PRODUCTS	138.45	136.74	136.00	134.23	132.75	3.47	3.41	3.40	3.25	3.23
381	Engineering & scientific instruments	—	155.56	153.22	154.21	151.98	—	3.86	3.84	3.62	3.61
382	Mechanical measuring & control devices	(*)	131.71	131.04	133.16	130.97	(*)	3.36	3.36	3.24	3.21
3821	Mechanical measuring devices	—	134.86	134.19	136.12	133.16	—	3.38	3.38	3.28	3.24
3822	Automatic temperature controls	—	127.59	126.16	128.79	127.35	—	3.34	3.32	3.18	3.16
383,5	Optical and ophthalmic goods	122.77	124.34	123.24	122.41	122.11	3.14	3.14	3.12	3.03	3.03
385	Ophthalmic goods	—	116.53	115.84	111.28	111.00	—	2.95	2.94	2.81	2.81
384	Medical instruments and supplies	118.29	119.50	117.51	114.33	112.00	3.01	2.98	2.96	2.83	2.80
386	Photographic equipment and supplies	(*)	168.50	169.30	165.02	164.59	(*)	4.07	4.06	3.82	3.81
387	Watches, clocks, and watchcases	—	112.12	110.95	103.23	101.00	—	2.81	2.76	2.62	2.57
39	MISC. MANUFACTURING INDUSTRIES	113.68	111.64	110.30	109.02	106.90	2.93	2.87	2.85	2.76	2.72
391	Jewelry, silverware, and plated ware	126.64	126.48	123.48	123.60	120.88	3.19	3.17	3.15	3.00	2.97
394	Toys and sporting goods	—	100.99	100.10	95.73	94.04	—	2.63	2.60	2.48	2.43
3941-3	Games, toys, dolls & play vehicles	—	95.88	94.87	88.03	87.46	—	2.51	2.49	2.36	2.32
3949	Sporting and athletic goods, n e c	—	108.25	107.92	106.13	104.12	—	2.79	2.76	2.64	2.59
395	Pens, pencils, office and art supplies	—	110.49	112.13	106.23	103.98	—	2.90	2.89	2.71	2.68
396	Costume jewelry and notions	—	99.70	99.32	96.64	94.85	—	2.61	2.60	2.51	2.47
393,9	Other manufacturing industries	122.53	120.65	119.34	120.00	118.90	3.11	3.07	3.06	3.00	2.98
393	Musical instruments and parts	—	121.39	119.20	119.66	115.92	—	2.99	2.98	2.94	2.92
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	133.01	131.22	129.92	124.64	123.41	3.26	3.24	3.20	3.04	3.01
201	Meat products	145.05	144.14	141.10	135.34	136.31	3.47	3.44	3.40	3.23	3.23
2011	Meat packing plants	—	182.96	174.62	164.92	167.32	—	4.13	4.08	3.80	3.82
2013	Sausages and other prepared meats	—	154.50	149.04	145.44	145.08	—	3.75	3.68	3.53	3.53
2015	Poultry dressing plants	—	83.81	86.76	83.18	84.42	—	2.16	2.18	2.09	2.10

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGSC-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				
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Durable Goods--Continued</i>										
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.2	39.9	39.9	40.9	40.5	-	2.2	2.3	3.0	2.8
361	Electric test & distributing equipment	(*)	40.9	40.5	42.0	41.5	-	2.6	2.7	3.7	3.3
3611	Electric measuring instruments	-	39.4	38.6	40.5	40.4	-	-	-	-	-
3612	Transformers	-	40.6	40.1	42.4	41.9	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	42.2	42.1	43.0	42.0	-	-	-	-	-
362	Electrical industrial apparatus	(*)	39.7	39.8	41.8	41.2	-	1.8	2.1	3.9	3.4
3621	Motors and generators	-	39.8	40.0	42.2	41.3	-	-	-	-	-
3622	Industrial controls	-	39.5	39.5	40.9	40.5	-	-	-	-	-
363	Household appliances	39.4	39.7	40.1	40.7	40.7	-	2.2	2.7	2.6	2.7
3632	Household refrigerators and freezers	-	39.0	39.8	40.7	41.0	-	-	-	-	-
3633	Household laundry equipment	-	40.0	40.9	42.3	40.5	-	-	-	-	-
3634	Electric housewares and fans	-	40.3	39.5	39.6	41.0	-	-	-	-	-
364	Electric lighting and wiring equipment	(*)	39.1	39.4	40.5	40.0	-	1.8	2.1	2.7	2.7
3641	Electric lamps	-	40.1	41.3	40.0	39.4	-	-	-	-	-
3642	Lighting fixtures	-	38.4	38.6	40.3	39.6	-	-	-	-	-
3643,4	Wiring devices	-	39.0	38.8	40.8	40.6	-	-	-	-	-
365	Radio and TV receiving equipment	(*)	39.4	39.7	38.6	38.2	-	2.5	2.8	1.4	1.4
366	Communication equipment	(*)	41.0	40.5	42.6	42.1	-	2.6	2.6	4.1	3.9
3661	Telephone and relegraph apparatus	-	41.0	40.3	43.4	43.1	-	-	-	-	-
3662	Radio and TV communication equipment	-	41.0	40.8	42.0	41.4	-	-	-	-	-
367	Electronic components and accessories	(*)	38.9	39.0	39.7	39.2	-	1.4	1.4	2.3	2.1
3671-3	Electron tubes	-	40.8	40.8	39.9	39.3	-	-	-	-	-
3674,9	Other electronic components	-	38.4	38.6	39.7	39.2	-	-	-	-	-
369	Misc. electrical equipment & supplies	(*)	40.7	40.4	40.7	40.4	-	2.8	2.9	2.9	2.8
3694	Engine electrical equipment	-	39.9	39.7	39.6	39.3	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	41.0	40.5	40.5	42.2	41.5	-	2.8	3.0	3.8	3.7
371	Motor vehicles and equipment	(*)	40.7	40.9	42.5	41.4	-	3.0	3.5	3.9	3.8
3711	Motor vehicles	-	41.1	42.0	42.5	41.6	-	-	-	-	-
3712	Passenger car bodies	-	41.0	31.4	44.0	40.3	-	-	-	-	-
3713	Truck and bus bodies	-	38.7	39.9	40.5	40.7	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	40.9	40.8	42.5	41.6	-	-	-	-	-
3715	Truck trailers	-	38.5	38.0	40.6	39.8	-	-	-	-	-
372	Aircraft and parts	(*)	41.2	41.0	42.9	42.3	-	2.6	2.5	4.1	3.7
3721	Aircraft	-	41.0	40.9	42.7	42.3	-	-	-	-	-
3722	Aircraft engines and engine parts	-	40.9	40.8	42.7	41.9	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	41.9	41.5	43.6	42.9	-	-	-	-	-
373	Ship and boat building and repairing	(*)	40.1	38.9	40.8	40.5	-	3.7	3.1	3.7	3.7
3731	Ship building and repairing	-	40.3	38.8	41.0	40.7	-	-	-	-	-
3732	Boat building and repairing	-	38.9	39.6	40.5	40.0	-	-	-	-	-
374	Railroad equipment	-	38.3	37.9	41.4	40.6	-	1.9	1.8	3.3	3.2
375,9	Other transportation equipment	-	38.8	39.7	39.3	39.9	-	2.3	2.8	2.3	2.8
38	INSTRUMENTS AND RELATED PRODUCTS	39.9	40.1	40.0	41.3	41.1	-	2.1	2.1	3.3	3.3
381	Engineering & scientific instruments	-	40.3	39.9	42.6	42.1	-	2.3	2.2	4.5	4.1
382	Mechanical measuring & control devices	(*)	39.2	39.0	41.1	40.8	-	1.7	1.8	3.4	3.3
3821	Mechanical measuring devices	-	39.9	39.7	41.5	41.1	-	-	-	-	-
3822	Automatic temperature controls	-	38.2	38.0	40.5	40.3	-	-	-	-	-
383,5	Optical and ophthalmic goods	39.1	39.6	39.5	40.4	40.3	-	1.7	1.9	2.7	2.7
385	Ophthalmic goods	-	39.5	39.4	39.6	39.5	-	1.9	2.1	2.1	2.1
384	Medical instruments and supplies	39.3	40.1	39.7	40.4	40.0	-	2.1	2.1	2.5	2.4
386	Photographic equipment and supplies	(*)	41.4	41.7	43.2	43.2	-	2.6	2.7	4.3	4.4
387	Watches, clocks, and watch cases	-	39.9	40.2	39.4	39.3	-	1.9	1.9	2.2	2.3
39	MISC. MANUFACTURING INDUSTRIES	38.8	38.9	38.7	39.5	39.3	-	2.4	2.3	2.8	2.8
391	Jewelry, silverware, and plated ware	39.7	39.9	39.2	41.2	40.7	-	3.0	2.5	3.7	3.7
394	Toys and sporting goods	-	38.4	38.5	38.6	38.7	-	2.1	2.5	2.5	2.3
3941-3	Games, toys, dolls, & play vehicles	-	38.2	38.1	37.3	37.7	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	38.8	39.1	40.2	40.2	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	38.1	38.8	39.2	38.8	-	1.3	1.5	2.5	2.3
396	Costume jewelry and notions	-	38.2	38.2	38.5	38.4	-	2.4	2.1	2.6	2.3
393,9	Other manufacturing industries	39.4	39.3	39.0	40.0	39.9	-	2.6	2.3	3.0	3.2
393	Musical instruments and parts	-	40.6	40.0	40.7	39.7	-	3.2	2.6	3.3	2.8
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	40.8	40.5	40.6	41.0	41.0	-	4.0	4.1	4.1	4.3
201	Meat products	41.8	41.9	41.5	41.9	42.2	-	5.4	5.0	4.9	5.4
2011	Meat packing plants	-	44.3	42.8	43.4	43.8	-	-	-	-	-
2013	Sausages and other prepared meats	-	41.2	40.5	41.2	41.1	-	-	-	-	-
2015	Poultry dressing plants	-	38.8	39.8	39.8	40.2	-	-	-	-	-

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				
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products.....	\$138.28	\$137.27	\$136.45	\$129.58	\$130.31	\$3.34	\$3.34	\$3.32	\$3.13	\$3.11
2024	Ice cream and frozen desserts.....	-	124.97	125.51	119.60	118.80	-	3.18	3.21	2.99	2.97
2026	Fluid milk.....	-	145.25	144.84	136.95	137.57	-	3.50	3.49	3.30	3.26
203	Canned, cured, and frozen foods.....	-	100.44	103.22	98.30	95.98	-	2.65	2.64	2.54	2.48
2031,6	Canned, cured, and frozen sea foods....	-	78.42	86.77	85.56	84.67	-	2.32	2.32	2.30	2.27
2032,3	Canned food, except sea foods.....	-	107.03	108.63	105.15	100.10	-	2.78	2.75	2.71	2.56
2037	Frozen fruits and vegetables.....	-	97.50	97.22	93.14	93.85	-	2.50	2.48	2.37	2.37
204	Grain mill products.....	148.43	150.28	151.54	144.83	142.02	3.42	3.40	3.36	3.19	3.17
2041	Flour and other grain mill products....	-	162.51	165.09	154.87	155.14	-	3.51	3.52	3.24	3.28
2042	Prepared feeds for animals and fowls...	-	135.60	133.44	128.42	125.66	-	3.00	2.92	2.81	2.78
205	Bakery products.....	132.10	131.38	129.81	123.38	124.22	3.37	3.36	3.32	3.10	3.09
2051	Bread, cake, and related products.....	-	133.28	131.77	123.32	123.24	-	3.40	3.37	3.13	3.12
2052	Cookies and crackers.....	-	124.87	122.54	124.01	126.78	-	3.21	3.15	3.01	2.99
206	Sugar.....	-	128.86	126.77	126.00	122.88	-	3.12	3.13	2.91	2.78
207	Confectionery and related products.....	109.48	109.93	110.21	104.94	102.97	2.80	2.79	2.79	2.65	2.62
2071	Confectionery products.....	-	105.69	105.96	100.23	99.06	-	2.71	2.71	2.57	2.54
208	Beverages.....	(*)	152.42	149.65	139.60	137.20	(*)	3.82	3.76	3.49	3.50
2082	Malt liquors.....	-	201.47	195.54	184.99	182.74	-	4.89	4.84	4.49	4.49
2086	Bottled and canned soft drinks.....	-	108.96	109.13	104.93	101.35	-	2.83	2.82	2.67	2.66
209	Misc. foods and kindred products.....	(*)	132.82	130.21	125.21	123.90	(*)	3.17	3.13	2.96	2.95
21	TOBACCO MANUFACTURES.....	108.70	114.46	111.50	98.26	97.73	2.93	2.95	2.83	2.67	2.62
211	Cigarettes.....	-	143.60	140.34	121.23	122.20	-	3.59	3.58	3.25	3.25
212	Cigars.....	-	85.35	85.28	78.79	82.01	-	2.27	2.25	2.09	2.13
22	TEXTILE MILL PRODUCTS.....	101.45	100.80	99.75	99.95	99.46	2.53	2.52	2.50	2.42	2.42
221	Weaving mills, cotton.....	107.01	104.49	102.50	101.64	100.91	2.56	2.53	2.50	2.42	2.42
222	Weaving mills, synthetics.....	105.47	104.30	102.72	104.73	104.23	2.56	2.55	2.53	2.47	2.47
223	Weaving and finishing mills, wool.....	102.57	99.06	98.42	104.48	101.52	2.63	2.60	2.59	2.47	2.47
224	Narrow fabric mills.....	98.80	99.29	97.17	98.09	97.51	2.47	2.47	2.46	2.41	2.39
225	Knitting mills.....	89.18	90.38	89.76	89.09	89.40	2.43	2.41	2.40	2.32	2.31
2251	Women's hosiery, except socks.....	-	81.29	80.58	86.18	87.55	-	2.37	2.37	2.28	2.28
2252	Hosiery, n e c.....	-	81.03	81.84	79.71	81.79	-	2.19	2.20	2.12	2.13
2253	Knit outerwear mills.....	-	94.62	95.48	89.89	90.38	-	2.49	2.48	2.41	2.41
2254	Knit underwear mills.....	-	86.03	84.07	80.04	78.75	-	2.27	2.23	2.14	2.14
226	Textile finishing, except wool.....	112.05	112.19	110.68	111.63	111.80	2.70	2.71	2.68	2.59	2.60
227	Floor covering mills.....	-	111.87	110.93	110.38	110.00	-	2.62	2.61	2.52	2.50
228	Yarn and thread mills.....	96.05	94.47	93.03	93.38	92.89	2.36	2.35	2.32	2.25	2.26
229	Miscellaneous textile goods.....	110.68	110.28	111.50	112.36	110.24	2.76	2.75	2.76	2.65	2.65
23	APPAREL AND OTHER TEXTILE PRODUCTS.....	86.38	86.38	84.46	84.37	83.77	2.44	2.44	2.42	2.35	2.34
231	Men's and boys' suits and coats.....	(*)	100.94	97.94	106.78	105.47	(*)	2.96	2.95	2.84	2.82
232	Men's and boys' furnishings.....	77.90	78.11	77.53	76.80	76.01	2.14	2.14	2.13	2.07	2.06
2321	Men's and boys' shirts and nightwear..	-	76.53	76.80	76.84	75.52	-	2.12	2.11	2.06	2.03
2327	Men's and boys' separate trousers.....	-	77.17	77.23	76.38	74.98	-	2.12	2.11	2.07	2.06
2328	Men's and boys' work clothing.....	-	75.07	73.69	73.66	73.85	-	2.04	2.03	1.98	1.98
233	Women's and misses' outerwear.....	86.58	88.63	85.41	82.83	82.92	2.60	2.63	2.62	2.48	2.49
2331	Women's and misses' blouses and waists..	-	79.87	78.45	76.71	78.37	-	2.37	2.37	2.23	2.22
2335	Women's and misses' dresses.....	-	89.16	85.41	82.18	81.15	-	2.71	2.72	2.56	2.56
2337	Women's and misses' suits and coats....	-	101.62	97.91	92.73	94.29	-	3.07	3.05	2.81	2.84
2339	Women's and misses' outerwear, n e c....	-	81.31	77.88	79.13	77.83	-	2.24	2.20	2.18	2.18
234	Women's and children's undergarments....	79.70	81.25	80.22	76.68	78.69	2.22	2.22	2.21	2.13	2.15
2341	Women's and children's underwear.....	-	79.86	78.41	75.09	77.49	-	2.17	2.16	2.08	2.10
2342	Corsets and allied garments.....	-	85.20	85.07	79.97	81.59	-	2.36	2.35	2.24	2.26
235	Hats, caps, and millinery.....	-	83.36	82.40	80.73	78.23	-	2.29	2.27	2.23	2.21
236	Children's outerwear.....	80.26	79.57	79.33	76.60	76.25	2.28	2.28	2.26	2.17	2.16
2361	Children's dresses and blouses.....	-	78.32	76.84	74.34	74.34	-	2.27	2.26	2.13	2.13
237,8	Fur goods and miscellaneous apparel....	-	94.74	93.24	89.39	89.64	-	2.61	2.59	2.49	2.49
239	Misc. fabricated textile products.....	93.87	94.12	92.38	94.08	92.20	2.49	2.49	2.47	2.45	2.42
2391,2	Housefurnishings.....	-	85.41	84.04	83.53	82.68	-	2.23	2.20	2.12	2.12
26	PAPER AND ALLIED PRODUCTS.....	148.75	147.91	147.07	144.29	142.43	3.55	3.53	3.51	3.34	3.32
261,2,6	Paper and pulp mills.....	169.30	169.26	168.44	165.60	164.13	3.91	3.90	3.89	3.68	3.68
263	Paperboard mills.....	(*)	179.20	175.92	169.34	168.43	(*)	4.00	3.98	3.73	3.71
264	Misc. converted paper products.....	129.68	127.84	127.35	127.38	124.50	3.21	3.18	3.16	3.04	3.00
2643	Bags, except textile bags.....	-	123.78	124.22	123.52	118.90	-	3.11	3.09	2.92	2.90
265	Paperboard containers and boxes.....	135.88	133.01	133.25	129.05	128.02	3.29	3.26	3.25	3.08	3.07
2651,2	Folding and setup paperboard boxes....	-	123.22	120.99	121.64	119.23	-	3.05	3.04	2.91	2.88
2653	Corrugated and solid fiber boxes.....	-	140.35	143.64	134.92	135.56	-	3.44	3.42	3.22	3.22
2654	Sanitary food containers.....	-	131.97	130.60	126.24	124.38	-	3.18	3.17	3.02	2.99

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGSC-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				
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	41.4	41.1	41.1	41.4	41.9	--	3.6	3.8	3.8	4.1
2024	Ice cream and frozen desserts	--	39.3	39.1	40.0	40.0	--	--	--	--	--
2026	Fluid milk	--	41.5	41.5	41.5	42.2	--	--	--	--	--
203	Canned, cured, and frozen foods	--	37.9	39.1	38.7	38.7	--	2.6	3.1	2.9	3.0
2031,6	Canned, cured and frozen sea foods	--	33.8	37.4	37.2	37.3	--	--	--	--	--
2032,3	Canned food, except sea foods	--	38.5	39.5	38.8	39.1	--	--	--	--	--
2037	Frozen fruits and vegetables	--	39.0	39.2	39.3	39.6	--	--	--	--	--
204	Grain mill products	43.4	44.2	45.1	45.4	44.8	--	6.1	7.2	7.4	7.0
2041	Flour and other grain mill product	--	46.3	46.9	47.8	47.3	--	--	--	--	--
2042	Prepared feeds for animals and fowls	--	45.2	45.7	45.7	45.2	--	--	--	--	--
205	Bakery products	39.2	39.1	39.1	39.8	40.2	--	3.2	3.1	3.8	4.2
2051	Bread, cake, and related products	--	39.2	39.1	39.4	39.5	--	--	--	--	--
2052	Cookies and crackers	--	38.9	38.9	41.2	42.4	--	--	--	--	--
206	Sugar	--	41.3	40.5	43.3	44.2	--	4.3	4.1	3.7	4.4
207	Confectionery and related products	39.1	39.4	39.5	39.6	39.3	--	2.4	2.5	2.8	2.5
2071	Confectionery products	--	39.0	39.1	39.0	39.0	--	--	--	--	--
208	Beverages	(*)	39.9	39.8	40.0	39.2	--	3.0	3.2	3.1	2.8
2082	Malt liquors	--	41.2	40.4	41.2	40.7	--	--	--	--	--
2086	Bottled and canned soft drinks	--	38.5	38.7	39.3	38.1	--	--	--	--	--
209	Misc. foods and kindred products	(*)	41.9	41.6	42.3	42.0	--	5.2	4.8	4.8	5.3
21	TOBACCO MANUFACTURES	37.1	38.8	39.4	36.8	37.3	--	2.0	2.3	1.3	1.3
211	Cigarettes	--	40.0	39.2	37.3	37.6	--	2.8	2.8	.8	.8
212	Cigars	--	37.6	37.9	37.7	38.5	--	.9	1.9	1.7	2.1
22	TEXTILE MILL PRODUCTS	40.1	40.0	39.9	41.3	41.1	--	3.4	3.3	4.0	4.1
221	Weaving mills, cotton	41.8	41.3	41.0	42.0	41.7	--	4.2	4.2	4.6	4.6
222	Weaving mills, synthetics	41.2	40.9	40.6	42.4	42.2	--	3.4	3.3	4.5	4.5
223	Weaving and finishing mills, wool	39.0	38.1	38.0	42.3	41.1	--	1.8	2.0	4.2	3.8
224	Narrow fabric mill	40.0	40.2	39.5	40.7	40.8	--	2.7	2.2	3.4	3.5
225	Knitting mills	36.7	37.5	37.4	38.4	38.7	--	2.3	2.3	2.5	2.7
2251	Women's hosiery, except socks	--	34.3	34.0	37.8	38.4	--	--	--	--	--
2252	Hosiery, n e c	--	37.0	37.2	37.6	38.4	--	--	--	--	--
2253	Knit outerwear mills	--	38.0	38.5	37.3	37.5	--	--	--	--	--
2254	Knit underwear mills	--	37.9	37.7	37.4	36.8	--	--	--	--	--
226	Textile finishing, except wool	41.5	41.4	41.3	43.1	43.0	--	4.5	4.3	5.5	5.7
227	Floor covering mills	--	42.7	42.5	43.8	44.0	--	4.6	4.3	5.2	5.6
228	Yarn and thread mills	40.7	40.2	40.1	41.5	41.1	--	3.5	3.5	4.1	4.0
229	Miscellaneous textile goods	40.1	40.1	40.4	42.4	41.6	--	3.0	3.2	4.5	4.2
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.4	35.4	34.9	35.9	35.8	--	1.2	1.2	1.3	1.4
231	Men's and boys' suits and coats	(*)	34.1	33.2	37.6	37.4	--	.7	.7	1.4	1.4
232	Men's and boys' furnishings	36.4	36.5	36.4	37.1	36.9	--	1.1	1.1	1.2	1.3
2321	Men's and boys' shirts and nightwear	--	36.1	36.4	37.3	37.2	--	--	--	--	--
2327	Men's and boys' separate trousers	--	36.4	36.6	36.9	36.4	--	--	--	--	--
2328	Men's and boys' work clothing	--	36.8	36.3	37.2	37.3	--	--	--	--	--
233	Women's and misses' outerwear	33.3	33.7	32.6	33.4	33.3	--	1.2	1.0	1.2	1.2
2331	Women's and misses' blouses and waists	--	33.7	33.1	34.4	35.3	--	--	--	--	--
2335	Women's and misses' dresses	--	32.9	31.4	32.1	31.7	--	--	--	--	--
2337	Women's and misses' suits and coats	--	33.1	32.1	33.0	33.2	--	--	--	--	--
2339	Women's and misses' outerwear, n e c	--	36.3	35.4	36.3	35.7	--	--	--	--	--
234	Women's and children's undergarments	35.9	36.6	36.3	36.0	36.6	--	1.4	1.5	1.1	1.4
2341	Women's and children's underwear	--	36.8	36.3	36.1	36.9	--	--	--	--	--
2342	Corsets and allied garments	--	36.1	36.2	35.7	36.1	--	--	--	--	--
235	Hats, caps, and millinery	--	36.4	36.3	36.2	35.4	--	1.1	.9	1.0	.9
236	Children's outerwear	35.2	34.9	35.1	35.3	35.3	--	1.0	1.0	1.1	1.3
2361	Children's dresses and blouses	--	34.5	34.0	34.9	34.9	--	--	--	--	--
237,8	Fur goods and miscellaneous apparel	--	36.3	36.0	35.9	36.0	--	1.5	1.3	1.2	1.5
239	Misc. fabricated textile products	37.7	37.8	37.4	38.4	38.1	--	2.1	2.1	2.0	2.2
2391,2	Housefurnishings	--	38.3	38.2	39.4	39.0	--	--	--	--	--
26	PAPER AND ALLIED PRODUCTS	41.9	41.9	41.9	43.2	42.9	--	4.4	4.5	5.3	5.5
261,2,6	Paper and pulp mills	43.3	43.4	43.3	45.0	44.6	--	5.5	5.6	6.5	6.6
263	Paperboard mills	(*)	44.8	44.2	45.4	45.4	--	7.2	6.5	7.5	8.1
264	Misc. converted paper products	40.4	40.2	40.3	41.9	41.5	--	3.0	3.2	4.1	4.2
2643	Bags, except textile bags	--	39.8	40.2	42.3	41.0	--	--	--	--	--
265	Paperboard containers and boxes	41.3	40.8	41.0	41.9	41.7	--	3.6	4.0	4.4	4.6
2651,2	Folding and setup paperboard boxes	--	40.4	39.8	41.8	41.4	--	--	--	--	--
2653	Corrugated and solid fiber boxes	--	40.8	42.0	41.9	42.1	--	--	--	--	--
2654	Sanitary food containers	--	41.5	41.2	41.8	41.6	--	--	--	--	--

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	\$154.28	\$150.75	\$150.38	\$148.59	\$145.15	\$4.06	\$4.02	\$4.01	\$3.81	\$3.78
271	Newspapers	158.48	154.07	153.28	153.50	150.28	4.39	4.34	4.33	4.16	4.14
272	Periodicals	-	172.94	173.75	167.65	163.18	-	4.27	4.29	4.03	3.98
273	Books	-	140.56	138.28	133.06	131.93	-	3.67	3.62	3.36	3.34
275	Commercial printing	158.26	155.88	155.88	153.20	149.34	4.10	4.07	4.07	3.83	3.80
2751	Commercial printing, ex. lithographic	-	151.29	152.05	148.03	144.28	-	3.95	3.97	3.71	3.69
2752	Commercial printing, lithographic	-	162.35	162.47	162.01	156.82	-	4.25	4.22	4.02	3.96
278	Blankbooks and bookbinding	117.73	115.22	114.23	111.16	110.38	3.05	3.04	3.03	2.91	2.92
274,6,7,9	Other publishing & printing ind.	150.89	148.20	146.25	148.54	142.82	3.95	3.90	3.90	3.77	3.70
28	CHEMICALS AND ALLIED PRODUCTS	157.70	156.87	155.70	150.36	149.52	3.80	3.78	3.77	3.58	3.56
281	Industrial chemicals	177.24	176.39	174.72	169.06	168.60	4.20	4.17	4.16	3.95	3.93
2812	Alkalies and chlorine	-	186.95	181.46	181.48	175.92	-	4.22	4.22	4.06	3.98
2818	Industrial organic chemicals, n e c.	-	185.26	182.65	175.96	177.21	-	4.39	4.38	4.15	4.15
2819	Industrial inorganic chemicals, n e c.	-	166.04	164.40	159.18	158.34	-	4.04	4.00	3.79	3.77
282	Plastics materials and synthetics	155.12	155.12	153.22	147.55	148.33	3.72	3.72	3.71	3.48	3.49
2821	Plastics materials and resins	-	169.49	164.64	162.06	165.54	-	3.96	3.92	3.70	3.72
2823,4	Synthetic fibers	-	139.94	139.32	132.99	131.61	-	3.43	3.44	3.22	3.21
283	Drugs	147.57	147.83	145.12	142.76	140.15	3.68	3.65	3.61	3.44	3.41
2834	Pharmaceutical preparations	-	142.71	139.65	138.51	136.27	-	3.55	3.50	3.37	3.34
284	Soap, cleaners, and toilet goods	154.01	151.78	153.26	145.79	141.51	3.72	3.72	3.72	3.53	3.46
2841	Soap and other detergents	-	189.77	192.92	184.43	180.62	-	4.54	4.55	4.36	4.28
2844	Toilet preparations	-	125.86	127.30	118.03	114.29	-	3.10	3.12	2.90	2.85
285	Paints and allied products	141.15	140.49	141.10	136.82	135.27	3.52	3.53	3.51	3.37	3.34
287	Agricultural chemicals	128.02	130.10	128.64	127.14	126.72	3.13	3.15	3.13	3.02	3.01
2871,2	Fertilizers, complete & mixing only	-	124.98	124.86	121.40	119.14	-	2.99	2.98	2.87	2.83
286,9	Other chemical products	149.34	148.81	145.73	142.69	142.42	3.59	3.56	3.52	3.43	3.44
2892	Explosives	-	154.71	150.06	145.80	148.83	-	3.71	3.66	3.60	3.63
29	PETROLEUM AND COAL PRODUCTS	184.45	186.19	187.05	170.97	175.07	4.34	4.33	4.31	4.10	4.10
291	Petroleum refining	195.20	193.40	193.91	177.18	182.31	4.55	4.54	4.52	4.29	4.31
295,9	Other petroleum and coal products	(*)	162.14	164.78	148.86	153.03	(*)	3.66	3.67	3.47	3.47
30	RUBBER AND PLASTICS PRODUCTS, N E C	131.74	130.22	129.60	130.31	128.64	3.31	3.28	3.24	3.14	3.13
301	Tires and inner tubes	(*)	172.92	176.31	193.43	192.19	(*)	4.40	4.43	4.27	4.29
302,3,6	Other rubber products	(*)	125.53	125.06	124.85	122.71	(*)	3.17	3.15	3.06	3.06
302	Rubber footwear	-	107.96	108.23	107.17	100.61	-	2.74	2.74	2.72	2.69
307	Miscellaneous plastics products	119.69	117.31	116.58	110.57	109.89	2.97	2.94	2.90	2.73	2.72
31	LEATHER AND LEATHER PRODUCTS	94.63	93.62	92.00	93.45	90.51	2.51	2.51	2.50	2.44	2.42
311	Leather tanning and finishing	127.28	126.17	125.69	121.81	118.50	3.19	3.17	3.15	3.03	3.00
314	Footwear, except rubber	91.99	90.28	87.97	92.02	87.93	2.44	2.44	2.43	2.39	2.37
312,3,5-7,9	Other leather products	91.39	91.88	91.76	87.93	88.64	2.47	2.47	2.46	2.37	2.37
316	Luggage	-	90.37	90.11	90.75	89.92	-	2.56	2.51	2.50	2.45
317	Handbags and personal leather goods	-	92.54	92.30	84.13	86.94	-	2.41	2.41	2.28	2.30
-	TRANSPORTATION AND PUBLIC UTILITIES	160.00	160.37	159.96	151.78	152.15	3.98	3.95	3.94	3.72	3.72
	RAILROAD TRANSPORTATION										
4011	Class I railroads ²	-	(*)	(*)	169.34	170.17	-	(*)	(*)	3.78	3.79
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	-	148.90	148.75	135.68	139.31	-	3.52	3.50	3.20	3.21
413	Intercity highway transportation	-	173.88	169.33	161.16	161.56	-	4.14	4.10	3.95	3.95
42	TRUCKING AND WAREHOUSING	-	164.36	165.60	155.82	153.50	-	3.97	4.00	3.71	3.69
421,3	Trucking and trucking terminals	-	168.50	169.31	159.47	157.54	-	4.07	4.07	3.77	3.76
422	Public warehousing	-	125.28	118.56	114.46	113.58	-	2.99	3.04	2.92	2.89
46	PIPE LINE TRANSPORTATION	-	193.64	190.39	177.16	180.96	-	4.70	4.61	4.30	4.35
48	COMMUNICATION	-	142.26	136.50	133.33	136.35	-	3.53	3.50	3.35	3.35
481	Telephone communication	-	140.07	134.11	130.87	134.48	-	3.45	3.43	3.28	3.28
4817	Switchboard operating employees ³	-	103.24	100.86	94.43	103.14	-	2.90	2.89	2.66	2.70
4818	Line construction employees ⁴	-	185.68	185.24	187.52	192.17	-	4.22	4.21	4.05	4.08
482	Telegraph communication ⁵	-	155.29	158.38	144.20	143.44	-	3.76	3.78	3.50	3.49
483	Radio and television broadcasting	-	155.90	151.64	149.77	146.69	-	4.06	3.98	3.85	3.82

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				
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	38.0	37.5	37.5	39.0	38.4	-	2.7	2.8	3.7	3.4
271	Newspapers	36.1	35.5	35.4	36.9	36.3	-	2.6	2.5	3.4	3.2
272	Periodicals	-	40.5	40.5	41.6	41.0	-	3.9	4.5	5.1	5.0
273	Books	-	38.3	38.2	39.6	39.5	-	2.4	2.2	3.2	3.0
275	Commercial printing	38.6	38.3	38.3	40.0	39.3	-	2.9	3.3	4.1	3.7
2751	Commercial printing, ex. lithographic	-	38.3	38.3	39.9	39.1	-	-	-	-	-
2752	Commercial printing, lithographic	-	38.2	38.5	40.3	39.6	-	-	-	-	-
278	Blankbooks and bookbinding	38.6	37.9	37.7	38.2	37.8	-	1.7	2.0	2.3	2.3
274,6,7,9	Other publishing & printing ind.	38.2	38.0	37.5	39.4	38.6	-	2.4	2.1	3.8	3.1
28	CHEMICALS AND ALLIED PRODUCTS ..	41.5	41.5	41.3	42.0	42.0	-	2.9	3.0	3.3	3.3
281	Industrial chemicals	42.2	42.3	42.0	42.8	42.9	-	3.4	3.4	3.7	3.9
2812	Alkalies and chlorine	-	44.3	43.0	44.7	44.2	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c.	-	42.2	41.7	42.4	42.7	-	-	-	-	-
2819	Industrial inorganic chemicals, n.e.c.	-	41.1	41.1	42.0	42.0	-	-	-	-	-
282	Plastics materials and synthetics	41.7	41.7	41.3	42.4	42.5	-	2.8	2.6	2.9	2.9
2821	Plastics materials and resins	-	42.8	42.0	43.8	44.5	-	-	-	-	-
2823,4	Synthetic fibers	-	40.8	40.5	41.3	41.0	-	-	-	-	-
283	Drugs	40.1	40.5	40.2	41.5	41.1	-	2.6	2.0	3.3	3.1
2834	Pharmaceutical preparations	-	40.2	39.9	41.1	40.8	-	-	-	-	-
284	Soap, cleaners, and toilet goods	41.4	40.8	41.2	41.3	40.9	-	2.8	3.5	3.4	3.2
2841	Soap and other detergents	-	41.8	42.4	42.3	42.2	-	-	-	-	-
2844	Toilet preparations	-	40.6	40.8	40.7	40.1	-	-	-	-	-
285	Paints and allied products	40.1	39.8	40.2	40.6	40.5	-	1.9	2.4	2.4	2.5
287	Agricultural chemicals	40.9	41.3	41.1	42.1	42.1	-	3.1	3.7	4.0	4.4
2871,2	Fertilizers, complete & mixing only ..	-	41.8	41.9	42.3	42.1	-	-	-	-	-
286,9	Other chemical products	41.6	41.8	41.4	41.6	41.4	-	3.1	3.0	3.0	3.1
2892	Explosives	-	41.7	41.0	40.5	41.0	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS	42.5	43.0	43.4	41.7	42.7	-	4.2	4.6	3.2	4.0
291	Petroleum refining	42.9	42.6	42.9	41.3	42.3	-	3.4	3.8	2.6	3.0
295,9	Other petroleum and coal products	(*)	44.3	44.9	42.9	44.1	-	6.8	7.3	5.3	7.1
30	RUBBER AND PLASTICS PRODUCTS, NEC. ..	39.8	39.7	40.0	41.5	41.1	-	2.8	3.2	4.1	4.1
301	Tires and inner tubes	(*)	39.3	39.8	45.3	44.8	-	3.3	4.2	7.0	7.2
302,3,6	Other rubber products	(*)	39.6	39.7	40.8	40.1	-	2.3	2.5	3.1	3.0
302	Rubber footwear	-	39.4	39.5	39.4	37.4	-	2.4	2.5	2.4	2.1
307	Miscellaneous plastics products	40.3	39.9	40.2	40.5	40.4	-	2.9	3.2	3.6	3.6
31	LEATHER AND LEATHER PRODUCTS	37.7	37.3	36.8	38.3	37.4	-	1.7	1.6	2.1	2.1
311	Leather tanning and finishing	39.9	39.8	39.9	40.2	39.5	-	3.0	3.3	3.6	3.4
314	Footwear, except rubber	37.7	37.0	36.2	38.5	37.1	-	1.5	1.3	2.0	1.9
312,3,5,7,9	Other leather products	37.0	37.2	37.3	37.1	37.4	-	1.7	1.9	1.7	2.0
316	Luggage	-	35.3	35.9	36.3	36.7	-	1.3	1.5	1.6	2.1
317	Handbags and personal leather goods ..	-	38.4	38.3	36.9	37.8	-	2.3	2.6	1.6	2.0
-	TRANSPORTATION AND PUBLIC UTILITIES	40.2	40.6	40.6	40.8	40.9	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	-	(*)	(*)	44.8	44.9	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation	-	42.3	42.5	42.4	43.4	-	-	-	-	-
413	Intercity highway transportation	-	42.0	41.3	40.8	40.9	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	-	41.4	41.4	42.0	41.6	-	-	-	-	-
421,3	Trucking and trucking terminals	-	41.4	41.6	42.3	41.9	-	-	-	-	-
422	Public warehousing	-	41.9	39.0	39.2	39.3	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	41.2	41.3	41.2	41.6	-	-	-	-	-
48	COMMUNICATION	-	40.3	39.0	39.8	40.7	-	-	-	-	-
481	Telephone communication	-	40.6	39.1	39.9	41.0	-	-	-	-	-
4817	Switchboard operating employees ³ ..	-	35.6	34.9	35.5	38.2	-	-	-	-	-
4818	Line construction employees ⁴	-	44.0	44.0	46.3	47.1	-	-	-	-	-
482	Telegraph communication ⁵	-	41.3	41.9	41.2	41.1	-	-	-	-	-
483	Radio and television broadcasting	-	38.4	38.1	38.9	38.4	-	-	-	-	-

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				
		Dec. 1970 P	Nov. 1970 P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 P	Nov. 1970 P	Oct. 1970	Dec. 1969	Nov. 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	\$178.05	\$176.39	\$168.42	\$167.65	-	\$4.28	\$4.23	\$4.01	\$4.03
491	Electric companies and systems	-	181.81	179.32	172.10	168.90	-	4.36	4.29	4.04	4.06
492	Gas companies and systems	-	162.29	161.87	150.55	152.81	-	3.92	3.91	3.69	3.70
493	Combination companies and systems	-	193.81	191.82	186.15	185.20	-	4.67	4.60	4.38	4.42
494-7	Water, steam, & sanitary systems	-	151.26	150.00	142.27	139.59	-	3.61	3.58	3.47	3.38
-	WHOLESALE AND RETAIL TRADE.....	\$97.08	96.95	96.88	93.18	92.58	\$2.75	2.77	2.76	2.61	2.63
50	WHOLESALE TRADE.....	141.55	139.74	139.25	135.94	133.87	3.53	3.52	3.49	3.34	3.33
501	Motor vehicles & automotive equipment	-	128.88	129.44	126.59	124.03	-	3.23	3.22	3.08	3.04
502	Drugs, chemicals, and allied products	-	140.58	142.74	137.02	136.37	-	3.68	3.66	3.46	3.47
503	Dry goods and apparel.....	-	129.80	127.97	122.33	122.67	-	3.48	3.44	3.28	3.28
504	Groceries and related products	-	130.68	131.45	125.26	123.20	-	3.30	3.27	3.07	3.08
506	Electrical goods.....	-	142.42	140.22	148.80	139.85	-	3.44	3.42	3.20	3.26
507	Hardware; plumbing & heating equipment	-	132.26	134.46	128.47	127.20	-	3.34	3.37	3.18	3.18
508	Machinery, equipment, and supplies	-	156.29	154.25	151.66	148.51	-	3.84	3.79	3.69	3.64
509	Miscellaneous wholesalers.....	-	141.48	139.55	136.17	135.49	-	3.60	3.56	3.43	3.43
52-59	RETAIL TRADE.....	83.73	83.42	83.08	80.14	79.30	2.47	2.49	2.48	2.35	2.36
53	Retail general merchandise	-	76.56	77.20	74.14	72.50	-	2.40	2.42	2.24	2.28
531	Department stores	-	79.82	80.44	75.91	75.50	-	2.55	2.57	2.35	2.42
532	Mail order houses	-	95.00	94.74	94.56	84.25	-	2.50	2.54	2.40	2.36
533	Variety stores	-	58.48	58.48	59.76	56.29	-	1.93	1.93	1.85	1.87
54	Food stores	-	89.56	88.00	83.72	84.10	-	2.79	2.75	2.60	2.62
541-3	Grocery, meat, and vegetable stores	-	91.73	90.16	85.01	85.60	-	2.84	2.80	2.64	2.65
56	Apparel and accessory stores	-	72.91	72.91	71.83	68.99	-	2.30	2.30	2.19	2.19
561	Men's & boys' clothing & furnishings	-	87.72	88.70	87.12	85.85	-	2.65	2.64	2.54	2.54
562	Women's ready-to-wear stores	-	65.18	65.06	64.84	61.81	-	2.13	2.14	2.02	2.02
565	Family clothing stores.....	-	71.11	69.89	68.82	64.80	-	2.11	2.08	2.03	2.00
566	Shoe stores.....	-	73.71	73.61	70.68	69.08	-	2.37	2.39	2.28	2.28
57	Furniture and home furnishings stores	-	110.63	110.63	110.17	107.38	-	2.99	2.99	2.93	2.91
571	Furniture and home furnishings.....	-	109.96	109.96	110.67	106.76	-	2.98	2.98	2.92	2.87
58	Eating and drinking places ⁶	-	58.14	58.21	55.85	54.87	-	1.90	1.89	1.79	1.77
52,55,59	Other retail trade.....	-	102.38	102.92	99.44	99.41	-	2.73	2.73	2.61	2.63
52	Building materials and farm equipment	-	113.47	114.05	108.53	108.38	-	2.88	2.88	2.72	2.73
551,2	Motor vehicle dealers.....	-	132.11	133.98	128.93	131.29	-	3.27	3.30	3.16	3.21
553,9	Other automotive & accessory dealers	-	113.58	113.16	110.39	110.81	-	2.75	2.74	2.66	2.67
591	Drug stores and proprietary stores	-	74.26	74.97	74.00	72.59	-	2.38	2.38	2.27	2.29
594	Book and stationery stores	-	86.32	85.99	83.39	83.33	-	2.60	2.59	2.46	2.48
598	Fuel and ice dealers.....	-	128.17	124.74	119.52	119.65	-	3.03	2.97	2.88	2.89
-	FINANCE, INSURANCE, AND REAL ESTATE⁷.....	114.61	115.55	114.82	110.26	111.23	3.14	3.14	3.12	2.98	2.99
60	Banking.....	-	104.43	103.86	98.99	100.07	-	2.83	2.83	2.69	2.69
61	Credit agencies other than banks	-	107.91	106.13	101.63	103.47	-	2.87	2.83	2.71	2.73
612	Savings and loan associations	-	103.86	102.95	97.62	100.07	-	2.83	2.79	2.66	2.69
62	Security, commodity brokers & services	-	176.12	172.89	173.71	173.04	-	4.76	4.66	4.62	4.59
63	Insurance carriers	-	123.95	123.25	117.87	118.18	-	3.35	3.34	3.16	3.16
631	Life insurance	-	126.25	125.56	120.25	120.90	-	3.44	3.44	3.25	3.25
632	Accident and health insurance	-	114.82	113.15	106.85	106.72	-	3.12	3.10	2.88	2.90
633	Fire, marine, and casualty insurance	-	124.13	123.42	118.00	118.63	-	3.31	3.30	3.13	3.13
-	SERVICES.....	101.53	100.84	99.81	94.11	94.11	2.96	2.94	2.91	2.72	2.72
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶	-	70.18	68.80	66.47	66.53	-	2.04	2.00	1.91	1.89
721	Personal Services: Laundries and dry cleaning plants	-	78.94	79.25	75.30	73.95	-	2.23	2.22	2.08	2.06
722	Photographic studios	-	95.38	91.51	87.60	84.37	-	2.53	2.46	2.40	2.37
781	Motion pictures: Motion picture filming & distributing	-	190.96	187.07	186.71	178.31	-	4.81	4.76	4.61	4.68

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				
		Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969	Dec. 1970 ^P	Nov. 1970 ^P	Oct. 1970	Dec. 1969	Nov. 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	41.6	41.7	42.0	41.6	-	-	-	-	-
491	Electric companies and systems	-	41.7	41.8	42.6	41.6	-	-	-	-	-
492	Gas companies and systems.....	-	41.4	41.4	40.8	41.3	-	-	-	-	-
493	Combination companies and systems ..	-	41.5	41.7	42.5	41.9	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	41.9	41.9	41.0	41.3	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	35.3	35.0	35.1	35.7	35.2	-	-	-	-	-
50	WHOLESALE TRADE	40.1	39.7	39.9	40.7	40.2	-	-	-	-	-
501	Motor vehicles & automotive equipment ..	-	39.9	40.2	41.1	40.8	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	38.2	39.0	39.6	39.3	-	-	-	-	-
503	Dry goods and apparel.....	-	37.3	37.2	37.6	37.4	-	-	-	-	-
504	Groceries and related products	-	39.6	40.2	40.8	40.0	-	-	-	-	-
506	Electrical goods.....	-	41.4	41.0	46.5	42.9	-	-	-	-	-
507	Hardware; plumbing & heating equipment ..	-	39.6	39.9	40.4	40.0	-	-	-	-	-
508	Machinery, equipment, and supplies.....	-	40.7	40.7	41.1	40.8	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.3	39.2	39.7	39.5	-	-	-	-	-
52-59	RETAIL TRADE.....	33.9	33.5	33.5	34.1	33.6	-	-	-	-	-
53	Retail general merchandise	-	31.9	31.9	33.1	31.8	-	-	-	-	-
531	Department stores	-	31.3	31.3	32.3	31.2	-	-	-	-	-
532	Mail order houses	-	38.0	37.3	39.4	35.7	-	-	-	-	-
533	Variety stores	-	30.3	30.3	32.3	30.1	-	-	-	-	-
54	Food stores.....	-	32.1	32.0	32.2	32.1	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores ...	-	32.3	32.2	32.2	32.3	-	-	-	-	-
56	Apparel and accessory stores	-	31.7	31.7	32.8	31.5	-	-	-	-	-
561	Men's & boys' clothing & furnishings ..	-	33.1	33.6	34.3	33.8	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.6	30.4	32.1	30.6	-	-	-	-	-
565	Family clothing stores	-	33.7	33.6	33.9	32.4	-	-	-	-	-
566	Shoe stores.....	-	31.1	30.8	31.0	30.3	-	-	-	-	-
57	Furniture and home furnishings stores..	-	37.0	37.0	37.6	36.9	-	-	-	-	-
571	Furniture and home furnishings.....	-	36.9	36.9	37.9	37.2	-	-	-	-	-
58	Eating and drinking places ⁶	-	30.6	30.8	31.2	31.0	-	-	-	-	-
52,55,59	Other retail trade	-	37.5	37.7	38.1	37.8	-	-	-	-	-
52	Building materials and farm equipment ..	-	39.4	39.6	39.9	39.7	-	-	-	-	-
551,2	Motor vehicle dealers	-	40.4	40.6	40.8	40.9	-	-	-	-	-
553,9	Other automotive & accessory dealers ..	-	41.3	41.3	41.5	41.5	-	-	-	-	-
591	Drug stores and proprietary stores ..	-	31.2	31.5	32.6	31.7	-	-	-	-	-
594	Book and stationery stores	-	33.2	33.2	33.9	33.6	-	-	-	-	-
598	Fuel and ice dealers.....	-	42.3	42.0	41.5	41.4	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.5	36.8	36.8	37.0	37.2	-	-	-	-	-
60	Banking	-	36.9	36.7	36.8	37.2	-	-	-	-	-
61	Credit agencies other than banks	-	37.6	37.5	37.5	37.9	-	-	-	-	-
612	Savings and loan associations	-	36.7	36.9	36.7	37.2	-	-	-	-	-
62	Security, commodity brokers & services ..	-	37.0	37.1	37.6	37.7	-	-	-	-	-
63	Insurance carriers	-	37.0	36.9	37.3	37.4	-	-	-	-	-
631	Life insurance	-	36.7	36.5	37.0	37.2	-	-	-	-	-
632	Accident and health insurance	-	36.8	36.5	37.1	36.8	-	-	-	-	-
633	Fire, marine, and casualty insurance...	-	37.5	37.4	37.7	37.9	-	-	-	-	-
-	SERVICES	34.3	34.3	34.3	34.6	34.6	-	-	-	-	-
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶ ...	-	34.4	34.4	34.8	35.2	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	35.4	35.7	36.2	35.9	-	-	-	-	-
722	Photographic studios	-	37.7	37.2	36.5	35.6	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing ..	-	39.7	39.3	40.5	38.1	-	-	-	-	-

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. February 1970: \$174.54, \$3.87, 45.1; March 1970: \$166.82, \$3.80, 43.9; April 1970: \$168.78, \$3.81, and 44.3.

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	1970											1969		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	
EXECUTIVE BRANCH														
Total employment	2,606.6	2,611.9	2,637.4	2,662.9	2,672.7	2,728.6	2,802.0	2,721.7	2,658.3	2,654.1	2,724.9	2,669.2	2,679.6	
Average weekly hours	39.6	39.4	39.2	39.3	38.9	38.2	37.9	38.2	39.5	39.2	39.6	39.6	39.5	
Average overtime hours	1.0	.9	.9	.8	.8	.8	.9	.9	1.0	1.0	1.5	1.0	.9	
Indexes (1965=100):														
Average weekly earnings	140.1	138.8	135.6	133.6	134.0	132.4	129.2	124.7	128.9	128.2	130.4	128.7	127.2	
Average hourly earnings	143.3	142.7	140.1	137.7	139.5	140.4	138.0	132.2	132.2	132.5	133.3	131.6	130.4	
DEPARTMENT OF DEFENSE														
Total employment	1,009.1	1,013.4	1,021.9	1,034.5	1,044.7	1,048.1	1,053.4	1,057.3	1,069.1	1,075.7	1,083.9	1,091.0	1,102.8	
Average weekly hours	40.2	39.9	40.0	39.9	39.3	39.7	40.0	40.0	40.0	39.2	39.1	39.8	40.1	
Average overtime hours . . . . .	.8	.8	.7	.7	.8	.7	.8	.8	.8	.8	.8	.8	.8
Indexes (1965=100):														
Average weekly earnings	139.1	138.0	135.0	134.4	136.0	137.9	136.4	130.2	130.2	127.3	128.1	128.4	126.8	
Average hourly earnings	141.1	141.1	137.7	137.4	141.1	141.7	139.1	132.7	132.7	132.4	133.6	131.6	129.0	
POST OFFICE DEPARTMENT														
Total employment	718.0	718.7	723.5	726.8	723.9	716.5	716.0	713.9	724.8	725.2	793.6	726.1	725.5	
Average weekly hours	39.1	38.9	38.8	38.5	38.7	38.7	39.0	38.0	39.1	39.2	40.8	39.7	38.8	
Average overtime hours	1.5	.9	.9	.7	.9	1.2	1.6	1.3	1.4	1.6	3.3	1.5	1.3	
Indexes (1965=100):														
Average weekly earnings	137.2	135.2	134.2	123.1	124.6	125.3	126.8	116.3	119.4	120.6	127.2	121.5	118.4	
Average hourly earnings	144.9	143.6	142.9	132.0	133.0	133.7	134.3	126.4	126.1	127.1	128.7	126.4	126.1	
OTHER AGENCIES														
Total employment	879.5	879.8	892.0	901.6	904.1	964.0	1,032.6	950.5	864.4	853.2	847.4	852.1	851.3	
Average weekly hours	39.2	39.2	38.5	39.2	38.6	36.1	34.9	36.5	39.1	39.2	39.1	39.3	39.3	
Average overtime hours	1.0	1.1	.9	1.0	.9	.7	.7	.8	.8	.9	.8	.9	.8	
Indexes (1965=100):														
Average weekly earnings	143.6	143.1	137.3	140.9	139.3	130.8	123.1	125.0	134.9	135.8	136.0	135.6	135.1	
Average hourly earnings	144.7	144.2	140.9	142.0	142.5	143.1	139.3	135.2	136.3	136.9	137.4	136.3	135.8	

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				
	Dec. 1970 P	Nov. 1970 P	Oct. 1970	Dec. 1969	Nov. 1969
MANUFACTURING	\$3.35	\$3.28	\$3.26	\$3.15	\$3.12
DURABLE GOODS	3.56	3.46	3.44	3.34	3.31
Ordnance and accessories	-	3.63	3.58	3.41	3.42
Lumber and wood products	-	2.93	2.92	2.71	2.73
Furniture and fixtures	-	2.72	2.71	2.60	2.60
Stone, clay, and glass products	-	3.33	3.30	3.12	3.12
Primary metal industries	-	3.88	3.87	3.70	3.68
Fabricated metal products	-	3.42	3.40	3.28	3.25
Machinery, except electrical	-	3.70	3.69	3.52	3.49
Electrical equipment and supplies	-	3.26	3.23	3.06	3.02
Transportation equipment	-	3.89	3.88	3.86	3.81
Instruments and related products	-	3.33	3.31	3.13	3.11
Miscellaneous manufacturing industries	-	2.79	2.77	2.67	2.63
NONDURABLE GOODS	3.06	3.04	3.01	2.87	2.85
Food and kindred products	-	3.09	3.04	2.90	2.86
Tobacco manufactures	-	2.87	2.75	2.63	2.58
Textile mill products	-	2.41	2.40	2.31	2.30
Apparel and other textile products	-	2.40	2.38	2.31	2.30
Paper and allied products	-	3.35	3.33	3.14	3.12
Printing and publishing	-	(2)	(2)	(2)	(2)
Chemicals and allied products	-	3.65	3.64	3.44	3.43
Petroleum and coal products	-	4.13	4.09	3.94	3.92
Rubber and plastics products, n e c	-	3.17	3.12	2.99	2.98
Leather and leather products	-	2.46	2.45	2.38	2.38

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 1957-59 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	Nov. 1970 ^p	Oct. 1970	Nov. 1969	Nov. 1970 ^p	Oct. 1970	Nov. 1969	Nov. 1970 ^p	Oct. 1970	Nov. 1969
TOTAL PRIVATE:									
Current dollars	\$121.40	\$121.36	\$117.38	\$97.39	\$97.36	\$92.99	\$106.14	\$106.11	\$102.11
1957-59 dollars	88.10	88.33	89.95	70.67	70.86	71.26	77.02	77.23	78.25
MINING:									
Current dollars	168.67	168.56	161.08	132.95	132.87	125.01	144.02	143.93	136.19
1957-59 dollars	122.40	122.68	123.43	96.48	96.70	95.79	104.51	104.75	104.36
CONTRACT CONSTRUCTION:									
Current dollars	196.57	203.79	184.39	153.94	159.09	142.54	166.95	172.76	155.12
1957-59 dollars	142.65	148.32	141.30	111.71	115.79	109.23	121.15	125.74	118.87
MANUFACTURING:									
Current dollars	134.58	133.45	132.36	107.26	106.41	103.99	116.58	115.68	113.63
1957-59 dollars	97.66	97.12	101.43	77.84	77.45	79.69	84.60	84.19	87.07
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	160.37	159.96	152.15	126.57	126.25	118.29	137.18	136.84	128.94
1957-59 dollars	116.38	116.42	116.59	91.85	91.89	90.64	99.55	99.59	98.80
WHOLESALE AND RETAIL TRADE:									
Current dollars	96.95	96.88	92.58	79.02	78.97	74.61	86.89	86.84	83.10
1957-59 dollars	70.36	70.51	70.94	57.34	57.47	57.17	63.06	63.20	63.68
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	115.55	114.82	111.23	93.01	92.46	88.48	101.52	100.92	97.42
1957-59 dollars	83.85	83.57	85.23	67.50	67.29	67.80	73.67	73.45	74.65
SERVICES:									
Current dollars	100.84	99.81	94.11	81.99	81.22	75.78	89.96	89.15	84.33
1957-59 dollars	73.18	72.64	72.11	59.50	59.11	58.07	65.28	64.88	64.62
CONSUMER PRICE INDEX (All items, 1957-59 = 100)	137.8	137.4	130.5	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).

C-6: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities¹

Industry	1957-59=100				
	Dec. 1970 ^p	Nov. 1970 ^p	Oct. 1970	Dec. 1969	Nov. 1969
	Man-hours				
TOTAL	108.1	105.9	108.1	118.0	118.4
MINING	78.2	80.4	80.7	81.7	81.5
CONTRACT CONSTRUCTION	109.2	111.4	119.4	116.8	121.4
MANUFACTURING	109.5	106.2	107.4	120.1	119.7
DURABLE GOODS	111.7	105.3	107.0	125.8	124.8
Ordnance and accessories	135.5	135.9	137.9	191.2	193.9
Lumber and wood products	85.8	85.9	87.9	92.3	92.4
Furniture and fixtures	120.9	120.4	121.4	131.1	130.5
Stone, clay, and glass products	103.7	105.1	107.1	111.7	113.3
Primary metal industries	101.3	96.4	98.5	115.4	114.4
Fabricated metal products	121.4	113.8	115.8	132.8	131.9
Machinery, except electrical	118.5	115.5	116.7	141.0	136.7
Electrical equipment and supplies	133.9	128.8	131.9	140.3	139.7
Transportation equipment	103.3	80.5	81.3	122.3	120.5
Instruments and related products	114.4	116.6	117.3	133.1	132.0
Miscellaneous manufacturing industries	101.1	105.5	106.6	111.5	114.9
NONDURABLE GOODS	106.6	107.4	107.9	112.5	113.0
Food and kindred products	95.7	98.3	101.8	97.6	100.9
Tobacco manufactures	80.1	82.8	90.2	79.2	83.4
Textile mill products	98.7	98.5	98.3	106.7	106.6
Apparel and other textile products	111.2	112.9	111.0	116.2	116.9
Paper and allied products	114.7	115.5	114.5	123.5	122.2
Printing and publishing	119.1	117.1	116.8	124.7	122.3
Chemicals and allied products	118.3	118.8	119.1	124.8	124.5
Petroleum and coal products	80.5	82.5	83.6	79.4	83.2
Rubber and plastics products, nec.	149.5	148.8	150.0	168.7	168.2
Leather and leather products	84.2	83.7	82.5	91.6	89.3
	Payrolls				
MINING	123.6	127.4	126.9	121.5	121.5
CONTRACT CONSTRUCTION	209.7	214.3	229.1	208.0	213.7
MANUFACTURING	179.2	170.3	171.3	186.8	184.6

¹For mining and manufacturing, data refer to production and related workers; for contract-construction, data relate to construction workers.
p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS

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

Industry	1970												1969
	Dec. P	Nov. P	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
TOTAL PRIVATE	37.0	37.0	36.9	36.8	37.2	37.3	37.2	37.1	37.2	37.4	37.3	37.5	37.6
MINING	41.8	42.9	42.7	42.0	42.2	42.5	42.4	42.6	43.1	43.2	43.4	42.7	43.2
CONTRACT CONSTRUCTION	38.2	37.1	36.9	35.1	37.3	37.4	37.6	38.1	38.3	38.0	38.2	36.7	38.2
MANUFACTURING	39.7	39.6	39.4	39.3	39.8	40.1	39.8	39.8	40.0	40.2	39.9	40.3	40.7
<i>Overtime hours</i>	2.6	2.7	2.8	2.8	3.0	3.0	3.1	2.9	3.0	3.2	3.2	3.3	3.5
DURABLE GOODS	40.1	40.0	39.9	39.8	40.3	40.7	40.4	40.3	40.4	40.7	40.5	41.0	41.3
<i>Overtime hours</i>	2.6	2.5	2.6	2.7	2.9	3.1	3.2	3.0	3.0	3.2	3.2	3.4	3.6
Ordnance and accessories	40.5	40.3	40.1	39.7	40.4	40.3	40.6	40.8	41.1	41.1	41.3	40.6	40.5
Lumber and wood products	40.3	39.8	39.2	39.6	39.8	39.8	39.6	39.7	39.8	39.5	40.1	39.6	40.3
Furniture and fixtures	39.4	39.4	39.2	38.3	39.0	39.3	38.9	38.8	39.3	39.4	39.3	39.5	40.0
Stone, clay, and glass products	41.4	41.0	41.0	40.9	41.0	41.2	41.1	41.3	41.6	41.8	41.7	41.7	42.1
Primary metal industries	39.9	39.5	39.9	40.9	40.4	40.7	40.4	40.2	40.1	40.7	40.9	41.2	41.7
Fabricated metal products	40.6	40.0	40.1	39.8	40.6	41.3	40.9	40.6	40.9	41.2	41.1	41.4	41.5
Machinery, except electrical	40.6	40.6	40.4	40.1	40.9	41.1	41.1	41.1	41.4	41.8	41.9	42.2	42.6
Electrical equipment and supplies	39.6	39.5	39.7	39.2	39.9	40.4	39.5	39.7	40.0	40.2	39.7	40.5	40.3
Transportation equipment	40.2	39.7	39.8	39.8	40.7	41.2	41.6	40.3	39.7	40.4	40.3	40.2	41.4
Instruments and related products	39.5	39.9	39.8	39.4	40.0	40.3	40.2	40.1	40.5	40.7	40.2	40.7	40.9
Miscellaneous manufacturing industries	38.6	38.6	38.3	38.1	38.6	39.1	38.6	38.7	39.0	39.0	38.6	39.3	39.3
NONDURABLE GOODS	39.0	38.9	38.9	38.6	39.1	39.3	39.0	39.1	39.4	39.4	39.3	39.6	39.8
<i>Overtime hours</i>	2.7	2.8	2.8	2.8	3.0	2.9	3.0	3.0	3.0	3.2	3.2	3.4	3.3
Food and kindred products	40.6	40.3	40.5	40.0	40.7	40.2	40.3	40.7	40.6	40.5	40.7	41.0	40.8
Tobacco manufactures	36.5	38.7	38.1	36.1	37.4	37.9	37.4	37.1	38.3	37.5	37.3	38.3	36.2
Textile mill products	39.7	39.6	39.6	38.8	39.9	40.3	40.0	39.8	40.6	40.2	40.1	40.4	40.9
Apparel and other textile products	35.5	35.4	34.9	34.2	35.1	35.5	35.2	35.1	35.5	35.6	35.5	35.6	36.0
Paper and allied products	41.5	41.7	41.7	41.4	41.7	41.7	41.6	41.8	42.1	42.2	42.3	42.8	42.8
Printing and publishing	37.6	37.5	37.4	37.4	37.6	37.9	37.7	37.7	37.9	38.0	38.0	38.2	38.6
Chemicals and allied products	41.3	41.3	41.3	42.0	41.3	41.5	41.5	41.5	41.4	41.8	41.8	42.0	41.8
Petroleum and coal products	43.1	42.9	43.2	43.0	43.1	42.6	42.6	42.5	41.9	42.2	42.7	42.5	42.3
Rubber and plastics products, nec	39.4	39.4	39.6	40.0	40.4	40.8	40.4	40.0	40.7	40.7	41.0	40.9	41.1
Leather and leather products	37.1	37.2	37.0	36.5	36.8	37.6	37.6	37.7	37.4	37.4	37.1	37.5	37.7
TRANSPORTATION AND PUBLIC UTILITIES	40.2	40.4	40.5	40.5	40.6	40.7	40.6	40.6	40.2	40.6	40.7	40.7	40.8
WHOLESALE AND RETAIL TRADE	35.1	35.3	35.3	35.2	35.4	35.4	35.4	35.4	35.3	35.3	35.4	35.4	35.5
WHOLESALE TRADE	39.9	39.8	39.9	39.7	39.9	40.0	39.9	40.1	40.1	40.1	40.2	40.3	40.5
RETAIL TRADE	33.6	33.9	33.8	33.8	33.9	33.9	33.8	33.9	33.7	33.8	33.7	33.8	33.8
FINANCE, INSURANCE, AND REAL ESTATE	36.4	36.8	36.7	36.7	36.9	36.8	36.7	36.8	36.9	37.0	37.0	36.9	36.9
SERVICES	34.3	34.4	34.4	34.5	34.7	34.6	34.4	34.5	34.4	34.7	34.4	34.4	34.6

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

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**
**C-8: Indexes of aggregate weekly man-hours in industrial and construction activities¹
seasonally adjusted**

1957-59=100

Industry	1970												1969
	Dec. p	Nov. p	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
TOTAL	108.0	104.7	105.1	107.5	109.8	111.3	111.3	111.7	114.1	115.5	115.6	115.4	117.8
MINING	78.3	80.9	80.0	78.5	78.6	79.1	79.3	79.5	81.1	81.6	82.2	80.9	81.8
CONTRACT CONSTRUCTION	114.5	110.9	109.5	103.5	112.0	112.7	113.4	116.0	119.7	120.6	121.1	113.4	122.5
MANUFACTURING	108.3	104.8	105.6	109.8	111.0	112.7	112.6	112.6	114.7	116.3	116.1	117.5	118.7
DURABLE GOODS	110.1	104.0	105.7	112.9	114.1	116.1	116.2	116.3	118.5	120.8	120.0	121.8	124.1
Ordnance and accessories	132.2	133.8	137.6	143.0	146.7	148.5	156.5	161.9	165.4	174.6	180.1	178.2	186.9
Lumber and wood products	87.6	87.0	86.6	87.5	87.2	87.2	87.5	88.7	89.5	90.1	92.1	92.4	94.2
Furniture and fixtures	117.3	118.2	117.9	116.2	116.7	117.9	116.4	117.0	122.0	123.6	123.3	125.5	127.4
Stone, clay, and glass products	105.2	104.0	104.8	105.6	104.8	105.2	106.2	106.9	108.9	110.5	111.3	110.9	113.5
Primary metal industries	102.3	98.4	101.6	108.5	105.5	106.5	105.8	105.6	106.6	109.6	111.1	113.4	116.5
Fabricated metal products	119.5	111.7	113.8	120.3	121.9	123.8	122.5	121.9	125.0	126.9	126.9	129.0	130.5
Machinery, except electrical	117.7	116.6	117.5	121.2	124.3	127.6	128.1	129.9	133.4	136.2	136.5	137.7	139.8
Electrical equipment and supplies	129.9	125.5	129.5	132.6	135.9	140.1	137.8	138.2	141.3	143.0	140.8	135.7	136.0
Transportation equipment	98.7	77.2	78.3	103.0	105.2	106.9	109.6	106.8	107.4	110.4	104.7	112.0	116.9
Instruments and related products	112.5	115.4	116.5	117.9	120.1	122.8	123.4	125.7	128.3	128.9	127.3	128.9	130.9
Miscellaneous manufacturing industries	102.1	98.7	98.8	100.2	101.8	103.5	103.1	104.0	105.7	108.0	108.1	110.1	112.7
NONDURABLE GOODS	105.9	105.8	105.5	105.6	106.9	108.3	107.9	107.7	109.8	110.4	110.8	111.9	111.8
Food and kindred products	96.1	95.5	95.0	94.5	96.5	95.8	96.9	98.0	97.8	99.0	100.0	99.5	98.0
Tobacco manufactures	71.2	75.5	73.2	69.3	78.7	77.4	76.4	76.9	78.2	76.6	76.2	78.2	70.6
Textile mill products	97.6	96.8	97.1	96.2	98.6	99.9	99.5	100.2	103.1	102.2	102.7	104.8	105.6
Apparel and other textile products	111.7	111.7	109.5	108.5	111.0	113.9	112.1	111.0	113.7	114.2	114.1	116.0	116.9
Paper and allied products	112.9	114.3	113.9	114.7	114.9	115.8	116.6	117.5	119.5	120.2	120.2	121.9	121.7
Printing and publishing	117.0	116.3	116.2	116.9	116.8	118.4	117.6	118.0	119.7	120.5	120.5	121.3	122.6
Chemicals and allied products	118.6	119.0	120.0	122.6	119.8	120.9	120.5	121.1	121.6	123.4	124.0	125.2	124.8
Petroleum and coal products	83.3	82.2	82.8	81.7	83.3	83.0	83.0	82.8	81.7	82.9	83.9	83.5	82.4
Rubber and plastics products, nec	146.2	145.5	147.3	153.4	153.8	159.3	154.2	144.9	161.1	162.1	163.7	165.1	165.2
Leather and leather products	82.0	82.5	83.3	82.4	83.4	87.7	88.0	87.6	87.2	86.9	86.5	88.7	89.5

¹ For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.
p= preliminary.

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

Industry division	Annual rate, millions of man-hours ¹			Percent change ²		
	December 1970p	November 1970p	October 1970	Nov. 1970 to Dec. 1970	Oct. 1970 to Nov. 1970	Dec. 1969 to Dec. 1970
TOTAL - ALL INDUSTRIES	137,495	137,002	137,041	4.4	- 0.3	- 2.0
TOTAL - PRIVATE	111,198	110,768	110,918	4.8	- 1.6	- 3.0
MINING	1,359	1,396	1,379	- 27.6	15.8	- 3.3
CONTRACT CONSTRUCTION	6,571	6,366	6,290	46.3	15.5	- 5.4
MANUFACTURING	38,977	38,137	38,280	29.9	- 4.4	- 7.5
TRANSPORTATION AND PUBLIC UTILITIES	9,288	9,441	9,496	- 17.8	- 6.7	- 1.9
WHOLESALE AND RETAIL TRADE	27,062	27,407	27,554	- 14.1	- 6.2	- 0.5
FINANCE, INSURANCE, AND REAL ESTATE	7,041	7,101	7,053	- 9.7	8.5	1.2
SERVICES	20,900	20,920	20,866	- 1.1	3.1	1.6
GOVERNMENT	26,297	26,234	26,123	2.9	5.2	2.8

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

² Percent change compounded at annual rates.

p= preliminary.

**OUTPUT PER MAN-HOUR
SEASONALLY ADJUSTED**

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

(Indexes 1957-59=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
1967: 1st quarter	146.4	148.2	110.6	115.5	132.4	128.4	147.6	143.3	128.7	125.0	111.5	111.7	117.7	117.9	113.8	114.0
2d quarter	147.5	149.1	109.5	114.9	134.7	129.8	150.4	145.6	130.3	126.0	111.7	112.1	118.8	118.8	114.3	114.6
3d quarter	149.1	150.9	110.3	115.3	135.2	130.9	152.4	147.8	130.6	126.6	112.8	113.0	119.9	120.3	115.5	115.6
4th quarter	150.1	152.0	111.0	116.1	135.3	130.9	154.3	149.7	131.1	127.2	114.1	114.4	120.6	120.8	116.5	116.7
Annual average	148.3	150.1	110.3	115.4	134.4	130.0	151.2	146.6	130.1	126.2	112.5	112.8	119.2	119.4	115.1	115.2
1968: 1st quarter	152.4	154.3	111.3	116.5	136.9	132.4	158.5	153.6	133.3	129.2	115.8	116.0	120.4	120.8	117.5	117.8
2d quarter	155.1	157.4	112.3	117.7	138.1	133.7	160.8	155.7	133.7	129.5	116.5	116.5	122.3	122.7	118.7	118.8
3d quarter	156.7	159.0	112.9	118.5	138.8	134.2	164.1	158.4	134.7	130.1	118.2	118.1	122.0	122.6	119.6	119.7
4th quarter	157.9	160.1	113.2	118.9	139.5	134.6	167.5	161.7	135.9	131.3	120.1	120.2	122.3	122.7	120.9	121.1
Annual average	155.5	157.7	112.4	117.9	138.3	133.7	162.8	157.4	134.4	130.0	117.7	117.7	121.7	122.1	119.2	119.3
1969: 1st quarter	159.0	161.1	114.2	120.1	139.3	134.1	170.0	163.9	136.3	131.5	122.1	122.2	122.8	123.0	122.4	122.5
2d quarter	159.8	162.4	115.1	121.2	138.9	134.0	172.4	166.2	136.0	131.1	124.2	124.1	123.2	123.0	123.8	123.7
3d quarter	160.9	163.4	115.3	121.7	139.5	134.2	175.9	169.2	136.8	131.6	126.1	126.1	123.6	123.5	125.2	125.1
4th quarter	160.4	163.1	114.8	121.4	139.7	134.3	179.6	172.4	137.8	132.2	128.6	128.4	123.3	123.2	126.6	126.4
Annual average	160.0	162.5	114.9	121.1	139.3	134.2	174.5	167.9	136.8	131.6	125.3	125.2	123.2	123.2	124.5	124.5
1970: 1st quarter	159.2	161.9	114.7	121.4	138.9	133.3	182.6	175.1	138.0	132.3	131.5	131.4	122.7	122.0	128.3	127.9
2d quarter	159.5	162.1	113.8	120.4	140.1	134.6	185.0	177.7	137.6	132.1	132.0	132.0	125.3	124.9	129.5	129.4
3d quarter	160.1	162.8	113.1	119.6	141.6	136.1	188.5	181.0	138.6	133.1	133.1	133.0	127.5	127.4	131.0	131.0
4th quarter																
Annual average																
Percent change over previous quarter at annual rate ⁴																
1967: 1st quarter	- 1.3	- 2.2	0.0	- 0.3	- 1.3	- 1.8	3.1	4.3	2.4	3.6	4.4	6.2	- 1.0	- 1.6	2.3	3.2
2d quarter	3.0	2.5	- 3.8	- 2.1	7.0	4.6	7.8	6.3	4.8	3.4	0.7	1.6	3.8	2.9	1.9	2.1
3d quarter	4.3	4.8	2.9	1.6	1.4	3.2	5.4	6.3	1.2	2.0	4.0	3.1	3.9	5.2	4.0	3.9
4th quarter	2.9	2.9	2.5	2.7	0.3	0.3	5.1	5.4	1.6	1.9	4.7	5.1	2.3	1.8	3.8	3.9
1968: 1st quarter	6.1	6.2	1.1	1.5	4.9	4.6	11.2	10.6	6.7	6.2	6.0	5.7	- 0.8	0.0	3.3	3.5
2d quarter	7.2	8.2	3.7	4.2	3.4	3.9	6.1	5.7	1.2	0.9	2.6	1.8	6.6	6.4	4.1	3.5
3d quarter	4.3	4.2	2.0	2.8	2.2	1.4	8.4	7.0	3.1	1.9	6.0	5.5	- 1.0	- 0.4	3.3	3.2
4th quarter	3.1	2.8	1.2	1.3	1.8	1.4	8.5	8.7	3.6	3.8	6.5	7.2	1.1	0.4	4.4	4.6
1969: 1st quarter	2.8	2.6	3.4	4.2	- 0.5	- 1.5	6.2	5.5	1.2	0.5	6.7	7.1	1.4	1.1	4.7	4.8
2d quarter	2.1	3.1	3.3	3.6	- 1.1	- 0.4	5.9	5.8	- 1.0	- 1.0	7.1	6.3	1.5	0.0	4.9	3.9
3d quarter	2.5	2.5	0.9	1.9	1.6	0.6	8.2	7.3	2.3	1.4	6.5	6.6	1.1	1.5	4.5	4.7
4th quarter	- 1.0	- 0.6	- 1.8	- 1.0	0.8	0.3	8.8	7.7	3.0	1.9	7.9	7.3	- 0.8	- 1.0	4.7	4.3
1970: 1st quarter	- 3.0	- 2.9	- 0.5	- 0.1	- 2.5	- 2.9	6.8	6.6	0.5	0.3	9.6	9.8	- 2.0	- 3.8	5.3	4.8
2d quarter	0.7	0.4	- 3.0	- 3.3	3.7	3.9	5.3	5.9	- 1.1	- 0.6	1.5	1.9	8.6	9.8	4.1	4.6
3d quarter	1.6	1.7	- 2.6	- 2.7	4.3	4.5	7.7	7.9	3.1	3.2	3.3	3.2	7.3	8.5	4.7	5.0
4th quarter																
Percent change over previous year ⁵																
Year ending -																
1969: 1st quarter	4.3	4.4	2.6	3.1	1.7	1.3	7.3	6.7	2.3	1.8	5.4	5.4	2.0	1.8	4.1	4.0
2d quarter	3.1	3.2	2.5	3.0	0.6	0.2	7.2	6.7	1.7	1.3	6.6	6.5	0.8	0.2	4.3	4.1
3d quarter	2.7	2.8	2.2	2.7	0.4	0.0	7.2	6.8	1.5	1.2	6.7	6.8	1.3	0.7	4.6	4.5
4th quarter	1.6	1.9	1.4	2.1	0.2	- 0.2	7.3	6.6	1.4	0.7	7.1	6.8	0.8	0.4	4.7	4.4
1970: 1st quarter	- 0.2	- 0.5	- 0.5	- 1.1	- 0.3	- 0.6	7.4	6.8	1.2	0.6	7.8	7.5	0.0	- 0.8	4.8	4.4
2d quarter	- 0.2	- 0.2	- 1.1	- 0.6	0.9	0.5	7.3	6.9	1.2	0.8	6.3	6.4	1.7	1.5	4.6	4.6
3d quarter	- 0.4	- 0.4	- 2.0	- 1.8	1.6	1.4	7.2	7.0	1.4	1.2	5.5	5.5	3.2	3.2	4.7	4.7
4th quarter																

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.

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--								
	1970				1969				1968
	Dec. P	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.
Average hourly compensation:									
All persons, total private economy	(*)	7.2	7.3	7.4	7.3	7.2	7.2	7.3	8.5
All employees, private nonfarm economy	(*)	7.0	6.8	6.8	6.6	6.8	6.7	6.6	7.9
Average hourly earnings, private nonfarm economy ²									
Mining	5.3	6.0	6.0	6.4	7.1	7.0	6.8	6.6	7.0
Contract construction	6.2	6.5	6.6	6.9	7.9	7.7	7.4	7.1	6.4
Manufacturing	8.7	9.5	9.0	10.2	9.7	8.9	8.5	6.6	7.1
Excluding effects of overtime and interindustry employment shifts	4.3	5.5	5.6	5.6	6.0	6.5	5.9	6.0	7.1
Transportation and public utilities	(*)	6.6	6.4	6.0	5.9	6.1	5.8	5.9	6.5
Wholesale and retail trade	6.6	6.1	5.3	5.8	5.9	6.3	6.2	6.4	6.6
Finance, insurance, and real estate	5.5	6.2	6.1	6.6	6.6	6.3	6.0	6.6	7.4
Services	5.4	5.3	4.6	5.0	5.4	5.4	6.4	8.1	7.2
Average hourly earnings, all Federal executive branch employees ³	8.4	8.3	7.8	8.2	8.0	7.6	8.6	7.7	7.1
Average union scales, 7 building trades:	(*)	10.4	14.9	9.8	9.6	10.4	7.5	6.9	6.2
Wages and selected benefits	(*)	12.7	12.9	10.1	10.6	9.4	9.8	9.1	8.4
Hourly wage rates	(*)	11.7	11.8	9.1	9.4	8.5	8.7	7.7	6.9
Wage rates, hired farm labor	(*)	6.2	5.1	4.5	6.6	6.6	9.0	10.7	10.9
Average weekly earnings, private nonfarm economy: ²									
Current dollars	3.7	4.3	4.4	5.7	6.6	6.4	6.7	6.2	6.3
1957-59 dollars	(*)	-1.4	-1.6	-6	.7	.7	1.2	1.4	1.6
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	-.9	-1.3	-.4	-.6	-.7	-.2	-.2	.4

¹ Current quarter divided by comparable quarter a year earlier.

² Production and nonsupervisory workers.

³ Computed from data that are not seasonally adjusted.

* Not available.

P= preliminary.

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								
	1970				1969				1968
	Dec. P	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.
Average hourly compensation:									
All persons, total private economy	(*)	7.7	5.3	6.8	8.8	8.2	5.9	6.2	8.5
All employees, private nonfarm economy	(*)	8.0	5.9	6.4	7.5	7.3	5.8	5.7	8.5
Average hourly earnings, private nonfarm economy ¹									
Mining	4.6	6.8	6.1	3.9	7.1	6.8	7.9	6.6	6.7
Contract construction	6.4	6.8	4.3	7.4	7.6	7.3	5.4	11.3	6.9
Manufacturing	7.5	11.3	7.9	8.0	10.9	9.0	12.8	6.3	7.7
Excluding effects of overtime and interindustry employment shifts . . . . .	.4	7.4	6.2	3.3	5.1	7.8	6.1	4.8	7.2
Transportation and public utilities	(*)	7.7	7.3	5.7	5.9	6.7	5.6	5.4	6.6
Wholesale and retail trade	5.6	11.0	5.1	4.8	3.7	7.6	7.3	5.0	5.1
Finance, insurance, and real estate	4.5	8.7	3.6	5.2	7.4	8.2	5.5	5.5	6.2
Services	7.1	8.2	.4	5.9	7.0	5.2	1.9	7.8	6.9
Average hourly earnings, all Federal executive branch employees ²	10.2	7.3	6.4	9.7	9.9	5.2	8.1	8.8	8.4
Average union scales, 7 building trades:	(*)	2.5	5.3	1.6	3.8	4.7	2.6	1.0	4.5
Wages and selected benefits	(*)	8.5	24.9	7.1	11.2	9.3	13.0	9.0	6.4
Hourly wage rates	(*)	7.8	22.5	7.6	9.6	8.0	11.3	8.7	6.1
Wage rates, hired farm labor	(*)	15.4	7.6	(3)	2.5	10.6	5.3	8.1	2.7
Average weekly earnings, private nonfarm economy: ¹									
Current dollars	2.9	5.8	3.1	2.9	5.4	6.1	8.3	6.4	4.7
1957-59 dollars	(*)	1.7	-2.5	-4.0	-.5	.8	1.5	1.1	-.6
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	1.2	-2.7	-.9	-1.3	-.1	.6	-1.4	-1.7

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.

³ Less than 0.05 percent.

* Not available.

p= preliminary.

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-												
	1970												1969
	Dec. P	Nov. P	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Average hourly earnings, private nonfarm economy ²	5.7	5.1	5.1	5.8	6.2	5.9	5.6	6.0	6.3	6.7	6.4	6.1	6.8
Mining	6.2	6.2	6.3	6.6	6.6	6.4	7.3	6.1	6.5	6.8	6.8	7.2	6.0
Contract construction	7.8	9.1	9.1	8.8	10.4	9.4	9.0	8.2	9.6	9.2	10.8	10.5	10.4
Manufacturing	5.2	4.0	3.7	5.6	5.3	5.6	5.7	5.7	5.4	5.8	5.5	5.5	5.8
Excluding effects of overtime and interindustry employment shifts	(*)	(*)	6.1P	6.8	6.6	6.5	6.6	6.4	6.2	6.3	5.8	5.8	5.8
Transportation and public utilities	7.0	6.2	6.5	6.0	6.3	6.0	6.1	5.0	4.7	5.9	5.7	5.9	5.7
Wholesale and retail trade	5.3	5.3	5.7	6.2	6.2	6.3	5.9	5.9	6.4	6.8	6.4	6.5	6.5
Finance, insurance, and real estate	5.4	5.0	5.7	5.4	5.4	5.2	3.8	4.8	5.2	5.2	4.9	4.9	4.9
Services	8.9	8.1	8.2	8.6	8.7	7.6	7.6	7.7	8.1	8.5	7.8	8.3	7.5
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	(*)	9.9	9.9	11.3	15.2	14.9	14.5	9.7	9.7	10.0	10.1
Average weekly earnings, private nonfarm economy: ²													
Current dollars	4.1	3.4	3.5	3.3	4.8	4.8	4.2	4.3	4.6	5.9	5.9	5.2	6.2
1957-59 dollars	(*)	-2.1	-2.3	-2.3	-.8	-1.0	-1.7	-1.8	-1.3	-.4	-.5	-.8	.1
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	-1.6	-1.8	-1.7	-.5	-.7	-1.3	-1.5	-1.0	-.3	-.4	-.7	-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. Actual percent change rather than annual rate of change is shown where change is effected by a general salary adjustment.

* 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-												
	1970												1969
	Dec. P	Nov. P	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Average hourly earnings, private nonfarm economy ²	7.0	5.1	5.1	5.7	7.1	6.5	4.5	5.2	5.2	5.9	5.3	5.3	6.7
Mining	5.3	7.5	7.0	5.3	5.9	5.4	7.2	4.9	5.5	7.8	7.3	7.3	7.4
Contract construction	7.9	11.2	9.2	8.8	11.8	8.1	7.7	7.0	9.1	8.8	8.9	10.7	10.3
Manufacturing	5.4	3.0	3.0	6.8	7.5	6.2	4.9	5.0	4.4	4.4	3.1	5.1	6.4
Excluding effects of overtime and interindustry employment shifts	(*)	(*)	6.2P	7.3	7.9	7.3	6.8	6.7	5.9	6.4	5.3	5.7	6.3
Transportation and public utilities	7.4	8.1	9.2	7.6	9.3	7.1	6.6	4.4	3.8	4.4	3.3	5.0	5.6
Wholesale and retail trade	6.8	6.1	6.9	6.1	6.1	6.2	3.8	4.6	4.7	6.3	6.3	6.3	8.0
Finance, insurance, and real estate	8.1	7.4	7.4	3.3	5.4	4.0	2.7	2.7	4.1	7.6	5.5	6.3	4.9
Services	9.4	9.5	7.3	6.5	7.4	6.7	8.3	6.7	9.2	10.8	10.1	8.5	7.0
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	(*)	7.9	6.0	3.9	4.7	6.7	5.8	3.7	3.7	7.1	10.1
Average weekly earnings, private nonfarm economy: ²													
Current dollars	5.5	4.1	3.4	2.0	5.8	5.5	2.7	2.8	3.5	4.6	3.8	4.0	5.7
1957-59 dollars	(*)	-.3	-1.5	-2.3	.9	.2	-2.9	-3.8	-3.1	-2.3	-2.5	-2.2	-.4
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	-.6	-1.9	-2.2	.3	-.3	-1.3	-2.5	-1.6	-1.2	-1.2	-1.0	-1.3

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 effected by a general salary adjustment.

* Not available.
 P= preliminary.

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

**EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED**

C-15: Average hourly or weekly compensation,¹ seasonally adjusted

Measure	1970												1969
	4th quarter			3d quarter			2d quarter			1st quarter			
	Dec. P	Nov. P	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.
Average hourly compensation:													
All persons, total private economy quarterly indexes (1957-59 = 100)	-	(*)	-	-	188.5	-	-	185.0	-	-	182.6	-	-
All employees, private nonfarm economy quarterly indexes (1957-59 = 100)	-	(*)	-	-	179.7	-	-	176.3	-	-	173.8	-	-
Average hourly earnings, private nonfarm economy²													
Mining	\$ 3.32	\$ 3.28	\$ 3.27	\$ 3.27	\$ 3.26	\$ 3.23	\$ 3.21	\$ 3.20	\$ 3.19	\$ 3.18	\$ 3.15	\$ 3.13	\$ 3.14
Contract construction	3.93	3.94	3.91	3.89	3.87	3.84	3.83	3.80	3.78	3.79	3.76	3.74	3.70
Manufacturing	5.39	5.40	5.37	5.30	5.33	5.24	5.19	5.12	5.14	5.08	5.04	5.04	5.00
Excluding effects of overtime and interindustry employment shifts monthly indexes (1957-59 = 100)	(*)	(*)	159.5	159.7	158.8	157.9	156.9	156.0	154.8	154.2	152.9	152.4	151.8
Transportation	\$ 3.98	\$ 3.94	\$ 3.93	\$ 3.91	\$ 3.91	\$ 3.87	\$ 3.84	\$ 3.79	\$ 3.76	\$ 3.77	\$ 3.74	\$ 3.74	\$ 3.72
Wholesale and retail trade	2.78	2.76	2.76	2.75	2.74	2.72	2.69	2.68	2.67	2.67	2.66	2.64	2.64
Finance, insurance, and real estate	3.15	3.14	3.13	3.10	3.10	3.06	3.03	3.03	3.02	3.05	3.02	3.00	2.99
Services	2.95	2.94	2.90	2.89	2.86	2.83	2.82	2.81	2.80	2.80	2.76	2.74	2.71
Average hourly earnings, all Federal executive branch employees,³ monthly indexes (1965 = 100)													
(*)	(*)	(*)	142.7	140.1	137.7	139.5	140.4	138.0	132.2	132.2	132.5	133.3	
Average union scales, 7 building trades:													
Wages and selected benefits, quarterly indexes (July 1967 = 100)													
-	-	133.8	-	-	131.1	-	-	124.0	-	-	121.9	-	
Hourly wage rates, quarterly indexes (July 1967 = 100)													
-	-	129.7	-	-	127.3	-	-	121.0	-	-	118.8	-	
Wage rates, hired farm labor													
-	-	\$ 1.71	-	-	\$ 1.65	-	-	\$ 1.62	-	-	\$ 1.62	-	
Average weekly earnings, private nonfarm economy:²													
Current dollars	122.55	121.16	120.64	120.17	121.23	120.37	119.33	118.76	118.65	118.99	117.85	117.17	117.74
1957-59 dollars	(*)	88.01	87.89	88.14	89.23	88.79	88.35	88.14	88.54	89.15	88.85	88.72	89.67
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	77.03	76.85	77.21	77.96	77.71	77.33	77.25	77.61	78.09	77.84	77.84	77.83

¹ Series are in dollars except where index base is shown. ² Production and nonsupervisory workers. ³ 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.	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.	Except for "manufacturing excluding overtime and interindustry employment shifts," compensation is gross regular payments to workers, i.e., straight-time hourly earnings plus premium and incentive pay, before payroll deductions. Weekly earnings in 1957-59 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

**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		
	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969
ALABAMA	\$117.68	\$116.58	\$112.61	40.3	40.2	40.8	\$2.92	\$2.90	\$2.76
Birmingham	138.57	139.19	130.73	40.4	40.7	40.1	3.43	3.42	3.26
Mobile	139.61	138.02	133.88	41.8	41.2	42.1	3.34	3.35	3.18
ALASKA	(*)	201.08	203.09	(*)	38.3	39.9	(*)	5.25	5.09
ARIZONA	137.60	134.13	126.80	40.0	39.8	40.0	3.44	3.37	3.17
Phoenix	139.04	135.09	126.32	39.5	39.5	39.6	3.52	3.42	3.19
Tucson	137.36	133.73	135.05	40.4	39.8	40.8	3.40	3.36	3.31
ARKANSAS	98.28	101.05	95.04	39.0	40.1	40.1	2.52	2.52	2.37
Fort Smith	94.43	97.04	89.44	38.7	40.1	39.4	2.44	2.42	2.27
Little Rock-North Little Rock	105.86	109.08	98.50	39.5	40.7	39.4	2.68	2.68	2.50
Pine Bluff	129.69	132.52	118.84	39.3	40.9	40.7	3.31	3.24	2.92
CALIFORNIA	153.65	151.30	148.71	39.6	39.4	40.3	3.88	3.84	3.69
Anaheim-Santa Ana-Garden Grove	153.52	150.40	151.94	40.4	40.0	41.4	3.80	3.76	3.67
Bakersfield	152.09	150.15	157.70	39.3	39.0	41.5	3.87	3.85	3.80
Fresno	132.78	131.48	119.25	39.4	38.9	37.5	3.37	3.38	3.18
Los Angeles-Long Beach	148.10	146.89	145.30	39.6	39.7	40.7	3.74	3.70	3.57
Modesto-Turlock	135.49	125.40	128.16	39.5	37.1	39.8	3.43	3.38	3.22
Oxnard-Ventura	136.96	136.58	125.45	38.8	38.8	37.9	3.53	3.52	3.31
Sacramento	160.06	160.29	158.73	38.2	39.0	39.0	4.19	4.11	4.07
Salinas-Monterey	131.48	133.23	122.84	38.9	39.3	37.0	3.38	3.39	3.32
San Bernardino-Riverside-Ontario	151.98	151.98	142.36	40.1	40.1	40.1	3.79	3.79	3.55
San Diego	166.38	164.34	161.96	39.9	39.6	40.9	4.17	4.15	3.96
San Francisco-Oakland	168.83	166.41	162.74	38.9	38.7	39.5	4.34	4.30	4.12
San Jose	163.58	159.94	157.18	39.8	39.2	40.2	4.11	4.08	3.91
Santa Barbara	140.23	138.02	136.51	39.5	39.1	39.8	3.55	3.53	3.43
Santa Rosa	136.49	136.85	129.98	37.6	39.1	38.8	3.63	3.50	3.35
Stockton	157.19	156.81	148.08	39.2	39.3	39.7	4.01	3.99	3.73
Vallejo-Napa	148.90	143.63	136.51	37.6	38.2	37.4	3.96	3.76	3.65
COLORADO	141.80	139.74	142.27	40.4	39.7	41.6	3.51	3.52	3.42
Denver	151.20	150.06	146.85	41.2	41.0	41.6	3.67	3.66	3.53
CONNECTICUT	142.10	140.59	140.53	40.6	40.4	42.2	3.50	3.48	3.33
Bridgeport	142.36	143.06	142.80	40.1	40.3	42.0	3.55	3.55	3.40
Hartford	152.67	149.60	152.69	41.6	41.1	43.5	3.67	3.64	3.51
New Britain	138.80	137.91	143.47	40.0	39.9	42.7	3.47	3.46	3.36
New Haven	143.82	142.31	139.28	40.4	40.2	41.7	3.56	3.54	3.34
Stamford	154.98	157.68	151.98	42.0	42.5	43.3	3.69	3.71	3.51
Waterbury	132.44	133.25	128.75	40.5	41.0	41.4	3.27	3.25	3.11
DELAWARE	(*)	135.60	132.40	(*)	40.0	40.0	(*)	3.39	3.31
Wilmington	(*)	151.22	146.77	(*)	39.9	40.1	(*)	3.79	3.66
DISTRICT OF COLUMBIA :									
Washington SMSA	151.71	149.00	141.62	39.0	38.7	38.8	3.89	3.85	3.65
FLORIDA	122.60	120.42	117.73	41.7	41.1	41.6	2.94	2.93	2.83
Fort Lauderdale-Hollywood	132.19	129.02	124.31	41.7	40.7	41.3	3.17	3.17	3.01
Jacksonville	124.03	119.10	120.60	40.8	39.7	41.3	3.04	3.00	2.92
Miami	115.54	114.34	113.98	40.4	39.7	41.6	2.86	2.88	2.74
Orlando	122.54	118.82	114.67	42.4	41.4	41.1	2.89	2.87	2.79
Pensacola	141.17	139.44	133.86	40.8	40.3	41.7	3.46	3.46	3.21
Tampa-St. Petersburg	126.90	121.71	121.35	41.2	40.3	41.7	3.08	3.02	2.91
West Palm Beach	149.90	146.16	125.66	48.2	47.3	41.2	3.11	3.09	3.05
GEORGIA	106.77	106.00	107.98	39.4	39.7	40.9	2.71	2.67	2.64
Atlanta	130.08	127.16	136.08	38.6	38.3	40.5	3.37	3.32	3.36
Savannah	136.75	139.26	130.88	40.7	41.2	40.9	3.36	3.38	3.20
HAWAII	134.98	134.70	128.96	39.7	39.5	40.3	3.40	3.41	3.20
Honolulu	135.98	136.32	131.70	39.3	39.4	40.4	3.46	3.46	3.26
IDAHO	122.51	126.72	119.73	36.9	38.4	37.3	3.32	3.30	3.21
ILLINOIS	150.17	148.09	143.95	40.2	40.2	40.7	3.73	3.69	3.54
Chicago	(*)	149.73	146.98	(*)	40.2	41.0	(*)	3.73	3.59
Davenport-Rock Island-Moline	(*)	161.13	154.39	(*)	39.0	39.3	(*)	4.13	3.93

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		
	Nov. p 1970	Oct. 1970	Nov. 1969	Nov. p 1970	Oct. 1970	Nov. 1969	Nov. p 1970	Oct. 1970	Nov. 1969
ILLINOIS (continued)									
Peoria	(*)	\$166.80	\$135.67	(*)	40.9	34.1	(*)	\$4.08	\$3.98
Rockford	(*)	143.85	147.04	(*)	40.3	42.1	(*)	3.57	3.49
INDIANA	\$148.83	146.49	146.16	39.9	39.7	40.6	\$3.73	3.69	3.60
Indianapolis	(*)	151.53	149.60	(*)	40.3	41.1	(*)	3.76	3.64
IOWA	152.40	151.18	143.87	40.0	40.1	40.3	3.81	3.77	3.57
Cedar Rapids	157.49	159.03	144.32	40.8	41.2	41.0	3.86	3.86	3.52
Des Moines	153.25	147.07	153.41	38.7	38.2	40.8	3.96	3.85	3.76
Dubuque	177.51	169.30	164.72	39.1	39.1	39.5	4.54	4.33	4.17
Sioux City	137.61	137.19	122.84	41.7	41.7	41.5	3.30	3.29	2.96
Waterloo	157.10	160.38	160.40	38.6	39.6	40.2	4.07	4.05	3.99
KANSAS	140.96	137.96	131.73	41.5	41.1	42.2	3.40	3.36	3.12
Topeka	155.16	153.89	163.35	41.7	42.4	46.0	3.72	3.63	3.55
Wichita	157.62	154.57	136.19	43.6	43.0	42.2	3.61	3.60	3.23
KENTUCKY	128.92	130.20	124.49	38.6	39.1	39.9	3.34	3.33	3.12
Louisville	147.75	147.43	141.01	39.4	38.9	39.8	3.75	3.79	3.55
LOUISIANA	144.76	140.10	132.56	44.0	42.2	42.9	3.29	3.32	3.09
Baton Rouge	161.66	160.02	153.13	42.1	42.0	42.3	3.84	3.81	3.62
New Orleans	140.27	138.92	134.96	41.5	41.1	41.4	3.38	3.38	3.26
Shreveport	128.02	128.15	124.15	40.9	40.3	41.8	3.13	3.18	2.97
MAINE	110.92	109.85	105.18	39.9	39.8	40.3	2.78	2.76	2.61
Lewiston-Auburn	88.04	88.43	84.24	35.5	35.8	36.0	2.48	2.47	2.34
Portland	117.21	114.85	110.40	39.2	38.8	40.0	2.99	2.96	2.76
MARYLAND	135.88	136.17	135.38	39.5	39.7	40.9	3.44	3.43	3.31
Baltimore	141.29	140.54	140.97	39.8	39.7	41.1	3.55	3.54	3.43
MASSACHUSETTS	129.15	127.05	121.66	38.9	38.5	39.5	3.32	3.30	3.08
Boston	142.99	140.04	128.70	39.5	38.9	39.0	3.62	3.60	3.30
Brockton	107.97	108.04	103.01	36.6	37.0	36.4	2.95	2.92	2.83
Fall River	93.47	95.29	87.58	33.5	34.4	33.3	2.79	2.77	2.63
Lawrence-Haverhill	118.20	116.89	116.22	38.5	38.2	39.8	3.07	3.06	2.92
Lowell	113.37	111.45	108.08	38.3	37.4	39.3	2.96	2.98	2.75
New Bedford	99.68	100.24	96.99	35.6	35.8	36.6	2.80	2.80	2.65
Springfield-Chicopee-Holyoke	131.14	128.76	128.47	39.5	38.9	40.4	3.32	3.31	3.18
Worcester	130.82	127.28	135.20	37.7	37.0	40.6	3.47	3.44	3.33
MICHIGAN	163.33	161.64	166.77	40.2	40.0	41.3	4.06	4.04	4.04
Ann Arbor	181.52	183.10	157.89	42.6	42.8	39.6	4.26	4.28	3.99
Battle Creek	164.97	159.37	163.41	39.8	38.3	42.4	4.15	4.16	3.85
Bay City	147.07	150.75	147.78	40.0	40.7	40.3	3.68	3.70	3.67
Detroit	178.45	177.75	179.65	40.9	40.9	42.3	4.36	4.35	4.25
Flint	150.70	136.10	182.49	35.4	32.0	40.5	4.26	4.25	4.51
Grand Rapids	147.78	146.00	143.48	40.2	40.1	39.9	3.68	3.64	3.60
Jackson	154.42	151.66	156.70	37.6	37.0	39.7	4.11	4.10	3.95
Kalamazoo	164.37	160.51	160.49	41.9	41.4	43.6	3.92	3.88	3.68
Lansing	158.32	159.15	170.18	39.8	39.6	40.9	3.98	4.02	4.16
Muskegon-Muskegon Heights	150.52	152.02	145.77	39.3	39.6	40.2	3.83	3.84	3.63
Saginaw	151.50	151.21	167.68	38.2	37.7	40.7	3.97	4.01	4.12
MINNESOTA	142.80	142.04	138.36	39.4	39.6	40.8	3.63	3.59	3.39
Duluth-Superior ¹	131.27	129.70	127.12	39.4	38.7	39.0	3.33	3.35	3.26
Minneapolis-St. Paul	150.18	150.90	146.26	39.5	39.6	41.0	3.80	3.81	3.56
MISSISSIPPI	100.60	98.98	96.82	40.4	40.4	41.2	2.49	2.45	2.35
Jackson	103.49	101.84	92.97	41.9	41.4	40.6	2.47	2.46	2.29
MISSOURI	134.35	135.04	132.73	39.4	39.6	40.1	3.41	3.41	3.31
Kansas City	132.87	134.13	130.33	39.9	40.4	40.1	3.33	3.32	3.25
St. Joseph	149.82	146.63	146.82	43.3	42.5	44.9	3.46	3.45	3.27
St. Louis	154.80	153.22	149.04	40.0	39.9	40.5	3.87	3.84	3.68
Springfield	111.25	112.11	108.03	38.9	39.2	39.5	2.86	2.86	2.73
MONTANA	150.40	150.72	140.89	40.0	40.3	39.8	3.76	3.74	3.54
NEBRASKA ²	140.36	136.64	130.79	42.2	41.7	42.7	3.33	3.27	3.06
Lincoln ²	120.79	120.37	-	38.6	38.7	-	3.13	3.11	-
Omaha ²	144.98	139.14	133.38	42.0	40.5	42.2	3.46	3.43	3.16

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		
	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969
NEVADA.....	\$160.22	\$159.98	\$157.59	38.7	39.6	39.3	\$4.14	\$4.04	\$4.01
Las Vegas.....	(*)	189.24	180.59	(*)	41.5	41.9	(*)	4.56	4.31
NEW HAMPSHIRE.....	111.07	110.50	106.11	38.7	38.5	39.3	2.87	2.87	2.70
Manchester.....	101.46	101.84	97.15	38.0	38.0	38.4	2.67	2.68	2.53
NEW JERSEY.....	142.86	142.39	136.70	40.7	40.8	41.3	3.51	3.49	3.31
Atlantic City.....	112.31	115.95	109.14	40.4	40.4	39.4	2.78	2.87	2.77
Camden ³	145.79	142.86	135.63	41.3	40.7	41.1	3.53	3.51	3.30
Jersey City ⁴	144.00	144.76	141.78	40.0	40.1	41.7	3.60	3.61	3.40
Newark ⁴	138.41	137.59	134.34	39.1	39.2	40.1	3.54	3.51	3.35
Paterson-Clifton-Passaic ⁴	136.76	138.90	139.28	39.3	39.8	41.7	3.48	3.49	3.34
Perth Amboy ⁴	146.29	144.14	143.03	40.3	39.6	41.1	3.63	3.64	3.48
Trenton.....	132.78	132.33	132.93	39.4	39.5	40.9	3.37	3.35	3.25
NEW MEXICO.....	(*)	106.40	101.50	(*)	39.7	38.3	(*)	2.68	2.65
Albuquerque.....	(*)	110.78	109.59	(*)	38.2	39.0	(*)	2.90	2.81
NEW YORK.....	137.32	135.84	131.08	38.9	38.7	39.6	3.53	3.51	3.31
Albany-Schenectady-Troy.....	158.98	153.44	135.60	41.4	40.7	40.6	3.84	3.77	3.34
Binghamton.....	136.00	135.32	138.89	40.0	39.8	43.0	3.40	3.40	3.23
Buffalo.....	156.02	154.42	156.56	39.8	39.8	41.2	3.92	3.88	3.80
Elmira.....	128.18	127.86	120.26	39.2	39.1	39.3	3.27	3.27	3.06
Monroe County ⁵	166.05	164.84	162.05	40.6	40.7	42.2	4.09	4.05	3.84
Nassau and Suffolk Counties ⁶	139.48	139.12	130.28	39.4	39.3	39.6	3.54	3.54	3.29
New York-Northeastern New Jersey.....	(*)	134.78	129.63	(*)	38.4	39.4	(*)	3.51	3.29
New York SMSA ⁴	132.30	130.88	124.09	37.8	37.5	38.3	3.50	3.49	3.24
New York City ⁶	130.90	129.85	122.42	37.4	37.1	37.9	3.50	3.50	3.23
Rochester.....	159.51	159.08	155.72	40.9	41.0	42.2	3.90	3.88	3.69
Rockland County ⁶	138.50	138.60	138.32	39.8	39.6	42.3	3.48	3.50	3.27
Syracuse.....	145.80	141.45	143.59	40.5	40.3	41.5	3.60	3.51	3.46
Utica-Rome.....	128.58	127.53	127.26	39.2	39.0	40.4	3.28	3.27	3.15
Westchester County ⁶	128.87	126.39	130.28	38.7	38.3	39.6	3.33	3.30	3.29
NORTH CAROLINA.....	100.55	99.35	97.27	39.9	39.9	40.7	2.52	2.49	2.39
Asheville.....	93.80	93.41	93.73	38.6	38.6	40.4	2.43	2.42	2.32
Charlotte.....	108.00	108.12	102.42	40.6	40.8	41.3	2.66	2.65	2.48
Greensboro-Winston-Salem-High Point.....	108.14	108.14	103.89	38.9	38.9	39.5	2.78	2.78	2.63
Raleigh.....	102.97	102.43	99.06	39.3	39.7	40.6	2.62	2.58	2.44
NORTH DAKOTA.....	124.60	127.99	112.00	40.7	42.6	39.9	3.06	3.00	2.81
Fargo-Moorhead.....	137.54	136.25	122.44	40.3	41.2	38.4	3.42	3.31	3.19
OHIO.....	152.02	152.00	153.92	39.9	40.0	41.6	3.81	3.80	3.70
Akron.....	169.71	167.23	173.32	40.6	40.2	42.9	4.18	4.16	4.04
Canton.....	152.88	149.77	152.44	39.2	38.5	41.2	3.90	3.89	3.70
Cincinnati.....	152.72	149.92	139.93	41.5	41.3	41.4	3.68	3.63	3.38
Cleveland.....	150.14	153.22	159.18	39.2	39.9	42.0	3.83	3.84	3.79
Columbus.....	143.50	142.32	143.26	39.1	39.1	40.7	3.67	3.64	3.52
Dayton.....	163.10	165.87	170.13	39.3	39.4	41.8	4.15	4.21	4.07
Toledo.....	163.22	161.60	169.88	40.4	40.5	42.9	4.04	3.99	3.96
Youngstown-Warren.....	152.85	152.45	158.78	38.5	38.4	40.3	3.97	3.97	3.94
OKLAHOMA.....	128.02	125.86	125.33	40.9	40.6	41.5	3.13	3.10	3.02
Oklahoma City.....	126.98	123.91	122.72	40.7	40.1	41.6	3.12	3.09	2.95
Tulsa.....	140.42	140.42	138.69	41.3	41.3	41.9	3.40	3.40	3.31
OREGON.....	150.93	147.83	145.78	38.6	38.2	39.4	3.91	3.87	3.70
Eugene.....	158.00	150.02	154.63	39.6	37.6	40.8	3.99	3.99	3.79
Portland.....	148.98	146.29	144.62	38.2	37.9	39.3	3.90	3.86	3.68
PENNSYLVANIA.....	133.08	131.58	131.05	38.8	38.7	40.2	3.43	3.40	3.26
Allentown-Bethlehem-Easton.....	130.52	130.22	127.26	38.5	38.3	39.4	3.39	3.40	3.23
Altoona.....	108.95	108.02	108.42	37.7	37.9	39.0	2.89	2.85	2.78
Delaware Valley ³	143.78	142.66	139.66	39.5	39.3	40.6	3.64	3.63	3.44
Erie.....	146.58	147.55	139.53	42.0	41.8	42.8	3.49	3.53	3.26
Harrisburg.....	122.62	122.22	120.99	39.3	39.3	40.6	3.12	3.11	2.98
Johnstown.....	123.52	126.67	128.22	35.7	36.4	37.6	3.46	3.48	3.41
Lancaster.....	126.80	126.17	121.69	40.0	39.8	40.7	3.17	3.17	2.99
Philadelphia.....	144.47	142.99	139.60	39.8	39.5	40.7	3.63	3.62	3.43
Pittsburgh.....	151.68	150.13	148.77	39.5	39.3	40.1	3.84	3.82	3.71
Reading.....	119.27	119.66	120.50	38.6	38.6	39.9	3.09	3.10	3.02
Scranton.....	106.27	104.39	99.64	36.9	36.5	37.6	2.88	2.86	2.65
Wilkes-Barre-Hazleton.....	100.16	98.77	95.53	35.9	35.4	36.6	2.79	2.79	2.61
York.....	122.91	120.50	125.99	40.7	40.3	43.0	3.02	2.99	2.93

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		
	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969	Nov. 1970 P	Oct. 1970	Nov. 1969
RHODE ISLAND	\$111.74	\$111.93	\$110.40	38.8	39.0	40.0	\$2.88	\$2.87	\$2.76
Providence-Pawtucket-Warwick	113.20	113.58	111.76	38.9	39.3	40.2	2.91	2.89	2.78
SOUTH CAROLINA	(*)	102.36	102.58	(*)	40.3	41.7	(*)	2.54	2.46
Charleston	(*)	126.89	117.26	(*)	40.8	41.0	(*)	3.11	2.86
Greenville	(*)	99.14	101.92	(*)	39.5	41.6	(*)	2.51	2.45
SOUTH DAKOTA ²	145.54	140.22	129.72	46.5	44.8	45.2	3.13	3.13	2.87
Sioux Falls ²	174.44	185.64	153.11	49.0	52.0	48.3	3.56	3.57	3.17
TENNESSEE	110.64	110.52	107.59	39.8	39.9	40.6	2.78	2.77	2.65
Chattanooga	122.61	121.10	117.50	40.2	40.1	40.8	3.05	3.02	2.88
Knoxville	125.37	124.97	118.80	39.8	39.8	40.0	3.15	3.14	2.97
Memphis	124.85	123.83	119.07	40.8	40.6	41.2	3.06	3.05	2.89
Nashville	120.38	121.30	116.52	39.6	39.9	40.6	3.04	3.04	2.87
TEXAS	131.54	130.73	128.24	40.6	40.6	41.5	3.24	3.22	3.09
Amarillo	116.92	116.82	112.06	39.5	39.6	41.2	2.96	2.95	2.72
Austin	122.20	119.84	100.55	43.8	42.8	39.9	2.79	2.80	2.52
Beaumont-Port Arthur-Orange	170.52	173.85	165.17	40.6	41.1	41.5	4.20	4.23	3.98
Corpus Christi	(*)	150.35	151.08	(*)	40.2	42.8	(*)	3.74	3.53
Dallas	123.11	121.27	121.66	40.1	39.5	41.1	3.07	3.07	2.96
El Paso	87.02	89.27	81.49	39.2	39.5	37.9	2.22	2.26	2.15
Fort Worth	138.84	139.03	139.02	41.2	41.5	42.0	3.37	3.35	3.31
Galveston-Texas City	193.02	190.99	175.37	41.6	41.7	40.5	4.64	4.58	4.33
Houston	156.00	154.34	154.07	41.6	41.6	43.4	3.75	3.71	3.55
Lubbock	115.29	115.56	111.00	42.7	42.8	44.4	2.70	2.70	2.50
San Antonio	106.97	107.44	102.26	41.3	42.3	41.4	2.59	2.54	2.47
Waco	113.48	113.15	107.59	40.1	40.7	38.7	2.83	2.78	2.78
Wichita Falls	97.76	99.20	99.31	39.9	40.0	40.7	2.45	2.48	2.44
UTAH	135.87	133.06	131.80	38.6	37.8	39.7	3.52	3.52	3.32
Salt Lake City	126.22	125.78	123.95	39.2	38.7	39.1	3.22	3.25	3.17
VERMONT	122.21	122.29	113.52	40.6	40.9	40.4	3.01	2.99	2.81
Burlington	139.61	139.61	123.37	41.8	41.8	41.4	3.34	3.34	2.98
Springfield	129.92	135.53	130.49	40.1	41.7	40.4	3.24	3.25	3.23
VIRGINIA	111.48	110.95	109.59	40.1	40.2	41.2	2.78	2.76	2.66
Lynchburg	107.20	105.07	111.02	40.3	39.8	42.7	2.66	2.64	2.60
Norfolk-Portsmouth	116.23	122.78	115.60	39.4	41.2	42.5	2.95	2.98	2.72
Richmond	126.98	123.51	121.42	40.7	40.1	41.3	3.12	3.08	2.94
Roanoke	108.00	106.00	102.58	40.6	40.0	41.7	2.66	2.65	2.46
WASHINGTON	159.42	159.53	157.61	38.6	39.1	39.7	4.13	4.08	3.97
Seattle-Everett	168.67	168.75	169.33	39.5	39.8	41.2	4.27	4.24	4.11
Spokane	154.05	152.88	146.29	39.0	38.9	38.7	3.95	3.93	3.78
Tacoma	158.65	158.62	150.54	38.6	38.5	39.0	4.11	4.12	3.86
WEST VIRGINIA	139.65	138.05	132.44	39.9	39.9	40.5	3.50	3.46	3.27
Charleston	169.26	170.89	165.19	42.0	42.3	42.4	4.03	4.04	3.90
Huntington-Ashland	147.75	139.73	137.98	39.4	38.6	39.2	3.75	3.62	3.52
Wheeling	147.68	143.02	136.64	41.6	40.4	40.8	3.55	3.54	3.35
WISCONSIN	148.78	146.86	145.01	40.3	40.1	41.5	3.69	3.66	3.49
Green Bay	157.62	151.59	149.61	43.3	42.6	43.7	3.64	3.56	3.43
Kenosha	152.52	150.52	145.97	38.4	37.5	40.2	3.97	4.02	3.64
La Crosse	126.36	119.61	118.84	41.1	39.7	39.9	3.07	3.01	2.98
Madison	178.21	173.37	156.00	41.7	40.8	41.0	4.27	4.25	3.80
Milwaukee	160.40	157.66	156.56	40.1	39.6	41.4	4.00	3.98	3.78
Racine	148.82	152.31	144.99	39.1	39.9	40.6	3.81	3.82	3.58
WYOMING	132.83	126.49	120.28	39.3	38.1	38.8	3.38	3.32	3.10
Casper	165.44	157.14	144.34	44.0	40.5	38.8	3.76	3.88	3.72
Cheyenne	109.34	110.84	100.17	31.6	31.4	31.9	3.46	3.53	3.14

¹ Data are not comparable prior to June 1970.

² Revised series; not strictly comparable with previously published data.

³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁴ Area included in New York-Northeastern New Jersey Standard Consolidated Area.

⁵ Subarea of Rochester Standard Metropolitan Statistical Area.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

* Not available.

p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA
LABOR TURNOVER

D-1: Labor turnover rates in manufacturing
1959 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1959.....	3.8	3.7	4.1	4.1	4.2	5.4	4.4	5.2	5.1	3.9	3.4	3.6	4.2
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	5.0	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	3.0p		
New hires													
1959.....	2.0	2.1	2.4	2.5	2.7	3.7	3.0	3.5	3.5	2.6	1.9	1.5	2.6
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	2.9	3.5	3.4	2.7	1.9p		
Total separations													
1959.....	3.7	3.1	3.3	3.6	3.5	3.6	4.0	4.6	5.3	5.5	4.7	3.9	4.1
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	5.3	4.3	4.2	4.9
1970.....	4.8	4.3	4.5	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3p		
Quits													
1959.....	1.1	1.0	1.2	1.4	1.5	1.5	1.6	2.1	2.6	1.7	1.2	1.0	1.5
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	2.6	4.0	4.4	2.9	2.1	1.6	2.7
1970.....	2.1	1.9	1.9	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.5p		
Layoffs													
1959.....	2.1	1.5	1.6	1.6	1.4	1.4	1.8	1.8	2.0	3.2	2.9	2.4	2.0
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	1.0	1.6	1.1	1.1	1.3	1.3	1.8	1.2
1970.....	1.7	1.6	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1p		

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	
		Nov. 1970	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970
-	MANUFACTURING	3.0	3.8	1.9	2.7	4.3	5.3	1.5	2.1	2.1	2.2
19,24,25,32-39	DURABLE GOODS	2.6	3.2	1.6	2.2	4.2	5.3	1.2	1.7	2.3	2.5
20-23,26-31	NONDURABLE GOODS	3.5	4.6	2.4	3.4	4.4	5.3	1.8	2.6	1.9	1.9
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	-	1.4	-	.7	-	3.8	-	.9	-	2.3
192	Ammunition, except for small arms	-	1.4	-	.6	-	4.0	-	.8	-	2.5
24	LUMBER AND WOOD PRODUCTS	3.8	4.7	3.0	4.0	5.5	5.8	2.3	3.3	2.3	1.5
242	Sawmills and planing mills	-	4.7	-	4.2	-	5.3	-	3.4	-	1.2
2421	Sawmills and planing mills, general	-	4.6	-	4.0	-	5.2	-	3.2	-	1.2
243	Millwork, plywood & related products	-	4.1	-	3.5	-	5.0	-	2.7	-	1.3
2431	Millwork	-	4.1	-	3.4	-	4.7	-	2.4	-	1.5
2432	Veneer and plywood	-	3.8	-	3.2	-	4.8	-	2.6	-	1.1
244	Wooden containers	-	5.0	-	4.1	-	9.2	-	4.3	-	3.5
2441,2	Wooden boxes, shooks, and crates	-	3.9	-	3.5	-	9.1	-	3.6	-	4.3
249	Miscellaneous wood products	-	5.6	-	4.7	-	5.7	-	3.5	-	1.2
25	FURNITURE AND FIXTURES	3.5	5.3	2.8	4.4	4.6	5.9	2.2	3.2	1.5	1.6
251	Household furniture	-	5.8	-	4.8	-	5.6	-	3.4	-	1.1
2511	Wood household furniture	-	6.2	-	5.0	-	5.8	-	3.5	-	1.2
2512	Upholstered household furniture	-	5.2	-	4.4	-	4.1	-	3.0	-	.4
2515	Mattresses and bedsprings	-	4.5	-	4.1	-	6.1	-	3.5	-	1.2
252	Office furniture	-	1.9	-	1.4	-	5.0	-	1.8	-	2.3
32	STONE, CLAY, AND GLASS PRODUCTS	2.7	3.7	2.0	2.9	4.3	5.0	1.6	2.2	1.8	1.7
321	Flat glass	-	1.8	-	.7	-	3.3	-	.6	-	1.9
322	Glass and glassware, pressed or blown	-	3.6	-	2.8	-	4.2	-	2.0	-	1.0
3221	Glass containers	-	4.0	-	3.4	-	4.3	-	2.7	-	.7
3229	Pressed and blown glass, n e c	-	3.0	-	2.0	-	4.2	-	1.1	-	1.6
324	Cement, hydraulic	-	1.0	-	.8	-	3.8	-	.7	-	1.8
325	Structural clay products	-	3.9	-	3.4	-	5.8	-	3.5	-	1.5
3251	Brick and structural clay tile	-	4.6	-	4.2	-	7.2	-	5.1	-	1.2
326	Pottery and related products	-	4.6	-	3.6	-	5.6	-	2.5	-	1.8
3291	Abrasive products	-	1.5	-	.7	-	4.5	-	1.1	-	2.6
33	PRIMARY METAL INDUSTRIES	2.3	2.4	.9	1.4	4.2	6.2	.8	1.4	2.6	3.6
331	Blast furnace and basic steel products	-	1.9	-	.8	-	5.4	-	1.1	-	3.0
3312	Blast furnaces and steel mills	-	1.9	-	.7	-	5.4	-	1.1	-	3.0
332	Iron and steel foundries	-	3.9	-	2.7	-	6.6	-	2.1	-	3.3
3321	Gray iron foundries	-	3.6	-	2.5	-	7.4	-	2.2	-	4.0
3322	Malleable iron foundries	-	5.8	-	4.6	-	5.5	-	2.4	-	1.1
3323	Steel foundries	-	3.6	-	2.6	-	5.3	-	1.6	-	2.5
333,4	Nonferrous metals	-	2.5	-	2.1	-	3.5	-	1.6	-	1.0
335	Nonferrous rolling and drawing	-	2.2	-	1.5	-	8.3	-	1.1	-	6.2
3351	Copper rolling and drawing	-	1.1	-	.6	-	5.3	-	.6	-	3.6
3352	Aluminum rolling and drawing	-	1.8	-	1.0	-	3.9	-	.8	-	2.3
3357	Nonferrous wire drawing, and insulating	-	3.3	-	2.5	-	16.1	-	1.6	-	13.2
336	Nonferrous foundries	-	3.0	-	1.7	-	10.0	-	2.2	-	6.3
3361	Aluminum castings	-	3.3	-	1.7	-	10.9	-	2.5	-	6.6
3362,9	Other nonferrous castings	-	2.8	-	1.7	-	9.0	-	2.0	-	5.9
339	Miscellaneous primary metal products	-	2.4	-	1.3	-	4.5	-	1.0	-	2.8
3391	Iron and steel forgings	-	2.4	-	1.2	-	3.9	-	.9	-	2.4

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970
<i>Durable Goods--Continued</i>											
34	FABRICATED METAL PRODUCTS	-	3.6	-	2.9	-	5.5	-	2.0	-	2.4
341	Metal cans	-	3.2	-	1.1	-	8.2	-	1.2	-	5.3
342	Cutlery, hand tools, and hardware	-	3.4	-	2.7	-	3.9	-	1.8	-	1.2
3421,3,5	Cutlery and hand tools, incl. saws	-	3.1	-	2.6	-	3.4	-	1.7	-	.8
3429	Hardware, n e c	-	3.5	-	2.8	-	4.3	-	1.8	-	1.4
343	Plumbing and heating, except electric	-	3.4	-	3.0	-	5.1	-	1.7	-	2.2
3431,2	Sanitary ware & plumbers' brass goods	-	3.0	-	2.6	-	5.9	-	1.7	-	3.0
3433	Heating equipment, except electric	-	3.6	-	3.3	-	4.6	-	1.7	-	1.6
344	Fabricated structural metal products	-	3.9	-	3.4	-	5.1	-	2.2	-	1.8
3441	Fabricated structural steel	-	4.1	-	3.7	-	4.9	-	2.1	-	1.7
3443	Fabricated plate work (boiler shops)	-	2.8	-	2.3	-	4.1	-	1.5	-	1.7
3446,9	Architectural and misc. metal work	-	4.3	-	3.7	-	6.0	-	2.4	-	2.1
345	Screw machine products, bolts, etc.	-	2.7	-	2.0	-	5.8	-	1.7	-	3.2
3452	Bolts, nuts, rivets, and washers	-	2.4	-	1.6	-	4.4	-	1.3	-	2.4
346	Metal stampings	-	3.9	-	2.5	-	6.0	-	1.8	-	2.6
348	Misc. fabricated wire products	-	3.9	-	3.5	-	6.8	-	2.5	-	3.1
349	Misc. fabricated metal products	-	2.8	-	2.3	-	4.7	-	1.8	-	2.1
3494,8	Valves, pipe, and pipe fittings	-	2.5	-	2.2	-	4.2	-	1.6	-	1.6
35	MACHINERY, EXCEPT ELECTRICAL	2.0	2.2	1.1	1.3	3.4	4.2	0.8	1.1	2.0	2.2
351	Engines and turbines	-	2.2	-	1.3	-	2.7	-	.9	-	.8
3511	Steam engines and turbines	-	2.6	-	1.8	-	2.2	-	1.0	-	.1
3519	Internal combustion engines, n e c	-	1.9	-	1.0	-	2.9	-	.8	-	1.1
352	Farm machinery	-	3.4	-	1.4	-	5.6	-	1.1	-	3.6
353	Construction and related machinery	-	2.4	-	1.5	-	3.1	-	1.1	-	1.2
3531,2	Construction and mining machinery	-	2.4	-	1.1	-	2.7	-	.9	-	1.2
3533	Oil field machinery	-	2.4	-	2.1	-	2.7	-	1.5	-	.5
3535,6	Conveyors, hoists, cranes, monorails	-	1.9	-	1.4	-	3.2	-	1.0	-	1.5
354	Metal working machinery	-	1.8	-	.9	-	4.6	-	.8	-	3.0
3541	Machine tools, metal cutting types	-	.8	-	.4	-	5.5	-	.7	-	4.2
3545	Machine tool accessories	-	1.3	-	.5	-	4.1	-	.7	-	2.9
3542,8	Misc. metal working machinery	-	1.8	-	1.1	-	2.9	-	.9	-	1.4
355	Special industry machinery	-	1.5	-	1.1	-	3.3	-	1.0	-	1.7
3551	Food products machinery	-	1.4	-	1.1	-	3.4	-	1.0	-	1.8
3552	Textile machinery	-	2.1	-	1.6	-	2.9	-	1.4	-	.9
356	General industrial machinery	-	1.8	-	1.2	-	4.6	-	1.1	-	2.7
3561	Pumps and compressors	-	1.8	-	1.1	-	4.3	-	1.1	-	2.4
3562	Ball and roller bearings	-	1.6	-	.8	-	6.2	-	.9	-	4.7
3566	Power transmission equipment	-	1.4	-	.9	-	3.8	-	1.2	-	1.8
357	Office and computing machines	-	1.5	-	1.0	-	3.5	-	.8	-	1.8
3573	Electronic computing equipment	-	1.2	-	.8	-	3.3	-	.7	-	1.8
358	Service industry machines	-	3.6	-	2.2	-	5.4	-	1.4	-	2.6
3585	Refrigeration machinery	-	3.9	-	2.2	-	6.2	-	1.4	-	3.0
36	ELECTRICAL EQUIPMENT AND SUPPLIES	-	2.8	-	1.8	-	5.2	-	1.6	-	2.5
361	Electric rest & distributing equipment	-	2.6	-	2.0	-	3.7	-	1.6	-	1.2
3611	Electric measuring instruments	-	1.8	-	1.4	-	3.7	-	1.5	-	1.3
3612	Transformers	-	2.6	-	1.7	-	4.1	-	1.6	-	1.5
3613	Switchgear and switchboard apparatus	-	3.2	-	2.6	-	3.5	-	1.7	-	.8
362	Electrical industrial apparatus	-	2.3	-	1.2	-	5.6	-	1.4	-	3.5
3621	Motors and generators	-	2.7	-	1.2	-	6.7	-	1.4	-	4.5
3622	Industrial controls	-	1.4	-	.8	-	4.1	-	1.1	-	2.4
363	Household appliances	-	3.4	-	2.6	-	4.2	-	2.1	-	.9
3632	Household refrigerators and freezers	-	2.6	-	1.6	-	4.1	-	1.6	-	1.3
3633	Household laundry equipment	-	3.2	-	2.6	-	3.2	-	1.6	-	.6
3634	Electric housewares and fans	-	4.8	-	4.0	-	5.1	-	3.3	-	.6
364	Electric lighting and wiring equipment	-	3.4	-	2.5	-	5.0	-	2.0	-	1.9
3641	Electric lamps	-	2.3	-	1.5	-	3.0	-	1.1	-	.8
3642	Lighting fixtures	-	4.2	-	3.2	-	6.2	-	2.2	-	2.6
3643,4	Wiring devices	-	3.4	-	2.6	-	5.4	-	2.3	-	2.0
365	Radio and TV receiving equipment	-	6.3	-	3.8	-	6.1	-	2.3	-	1.5
366	Communication equipment	-	1.8	-	1.2	-	3.1	-	1.1	-	1.2
3661	Telephone and telegraph apparatus	-	1.9	-	1.4	-	2.0	-	1.3	-	.1
3662	Radio and TV communication equipment	-	1.8	-	1.0	-	3.7	-	1.0	-	1.8
367	Electronic components and accessories	-	2.5	-	1.3	-	6.2	-	1.7	-	3.5
3671-3	Electron tubes	-	2.5	-	1.2	-	3.2	-	1.5	-	.9
3674,9	Other electronic components	-	2.5	-	1.4	-	6.9	-	1.8	-	4.1
369	Misc. electrical equipment & supplies	-	3.4	-	2.2	-	13.8	-	1.6	-	10.5
3694	Engine electrical equipment	-	3.2	-	1.5	-	24.0	-	1.5	-	20.3

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	
		Nov. 1970	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970
	<i>Durable Goods--Continued</i>										
	TRANSPORTATION EQUIPMENT	-	3.2	-	1.8	-	5.9	-	1.4	-	3.4
37	Motor vehicles and equipment	-	2.8	-	1.4	-	6.7	-	1.3	-	3.9
3711	Motor vehicles	-	3.0	-	1.6	-	3.8	-	1.5	-	.7
3712	Passenger car bodies	-	1.0	-	.1	-	12.9	-	1.3	-	10.5
3713	Truck and bus bodies	-	3.4	-	2.4	-	7.8	-	2.3	-	4.2
3714	Motor vehicle parts and accessories	-	2.6	-	1.2	-	9.1	-	1.0	-	6.6
372	Aircraft and parts	-	1.5	-	.9	-	3.7	-	.7	-	2.6
3721	Aircraft	-	1.5	-	.9	-	3.4	-	.6	-	2.5
3722	Aircraft engines and engine parts	-	1.2	-	.6	-	3.9	-	.7	-	2.6
3723,9	Other aircraft parts and equipment	-	2.0	-	1.3	-	4.4	-	1.0	-	2.9
373	Ship and boat building and repairing	-	8.9	-	3.8	-	8.9	-	2.7	-	4.8
3731	Ship building and repairing	-	9.6	-	3.8	-	9.8	-	2.5	-	5.7
374	Railroad equipment	-	3.6	-	1.6	-	9.2	-	1.5	-	5.9
375,9	Other transportation equipment	-	7.0	-	6.1	-	7.6	-	4.2	-	1.6
	INSTRUMENTS AND RELATED PRODUCTS	1.7	2.5	1.2	1.7	2.7	4.2	0.8	1.8	1.1	1.5
381	Engineering & scientific instruments	-	1.5	-	1.0	-	4.1	-	.9	-	2.6
382	Mechanical measuring & control devices	-	2.1	-	1.4	-	4.1	-	1.3	-	2.0
3821	Mechanical measuring devices	-	2.0	-	1.6	-	2.9	-	1.2	-	1.0
3822	Automatic temperature controls	-	2.4	-	1.0	-	6.2	-	1.3	-	3.8
383,5	Optical and ophthalmic goods	-	2.9	-	2.2	-	3.7	-	1.7	-	1.4
384	Medical instruments and supplies	-	3.7	-	3.0	-	3.4	-	1.9	-	.7
386	Photographic equipment and supplies	-	2.1	-	1.2	-	4.1	-	2.7	-	.3
387	Watches, clocks, and watchcases	-	3.4	-	1.3	-	7.4	-	1.9	-	4.3
	MISCELLANEOUS MANUFACTURING INDUSTRIES	3.6	5.8	2.7	4.6	6.1	6.2	2.0	3.0	3.3	2.0
391	Jewelry, silverware, and plated ware	-	4.2	-	3.5	-	3.6	-	2.2	-	.8
394	Toys and sporting goods	-	8.5	-	6.5	-	9.2	-	4.2	-	3.2
3941-3	Games, toys, dolls, & play vehicles	-	9.4	-	7.8	-	11.2	-	5.3	-	3.9
3949	Sporting and athletic goods, n e c	-	7.1	-	4.6	-	6.0	-	2.6	-	2.2
395	Pens, pencils, office and art supplies	-	2.3	-	1.8	-	3.2	-	1.6	-	1.0
396	Costume jewelry and notions	-	5.7	-	5.0	-	6.2	-	3.6	-	1.7
393,9	Other manufacturing industries	-	5.0	-	3.8	-	5.4	-	2.4	-	1.8
	<i>Nondurable Goods</i>										
	FOOD AND KINDRED PRODUCTS	4.9	6.8	3.2	4.9	6.2	7.8	2.3	3.4	3.1	3.5
201	Meat products	-	6.3	-	5.1	-	6.4	-	4.0	-	1.3
2011	Meat packing plants	-	4.6	-	3.0	-	4.5	-	1.9	-	1.7
2015	Poultry dressing plants	-	10.9	-	10.1	-	11.0	-	9.1	-	.8
204	Grain mill products	-	3.8	-	2.9	-	4.1	-	2.2	-	1.2
2041	Flour and other grain mill products	-	3.5	-	2.9	-	2.8	-	1.6	-	.6
2042	Prepared feeds for animals and fowls	-	3.8	-	3.3	-	4.3	-	2.5	-	1.1
205	Bakery products	-	3.9	-	3.3	-	4.4	-	2.7	-	.9
2051	Bread, cake, and related products	-	3.9	-	3.4	-	4.2	-	2.7	-	.8
2052	Cookies and crackers	-	3.8	-	2.8	-	5.5	-	2.4	-	1.8
207	Confectionery and related products	-	9.3	-	6.0	-	8.1	-	3.9	-	3.0
2071	Confectionery products	-	10.5	-	6.7	-	9.4	-	4.5	-	3.7
208	Beverages	-	3.6	-	2.7	-	4.9	-	2.4	-	1.9
2082	Malt liquors	-	2.8	-	1.1	-	4.4	-	.4	-	3.5
	TOBACCO MANUFACTURES	4.2	4.0	2.7	3.5	5.4	5.1	1.1	2.2	3.3	1.9
211	Cigarettes	-	2.4	-	2.1	-	1.5	-	.8	-	(1)
212	Cigars	-	4.6	-	3.9	-	4.9	-	3.8	-	.2

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates						
		Total		New hires		Total		Quits		Layoffs		
		Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1969	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	
	<i>Nondurable Goods--Continued</i>											
22	TEXTILE MILL PRODUCTS	3.9	5.2	3.0	4.0	4.9	5.7	2.5	3.5	1.5	1.1	
221	Weaving mills, cotton	-	5.7	-	4.5	-	5.2	-	3.8	-	.2	
222	Weaving mills, synthetics	-	4.8	-	3.7	-	5.5	-	3.3	-	1.2	
223	Weaving and finishing mills, wool	-	4.9	-	2.9	-	6.8	-	2.7	-	3.1	
224	Narrow fabric mills	-	3.9	-	3.2	-	5.4	-	3.2	-	1.4	
225	Knitting mills	-	4.3	-	3.4	-	5.6	-	3.1	-	1.6	
2251	Women's hosiery, except socks	-	3.5	-	2.7	-	6.8	-	3.4	-	2.5	
2252	Hosiery, n e c	-	3.3	-	2.8	-	4.0	-	3.1	-	.3	
2254	Knit underwear mills	-	4.7	-	2.9	-	3.5	-	2.7	-	.3	
226	Textile finishing, except wool	-	4.4	-	3.6	-	4.4	-	2.6	-	.8	
227	Floor covering mills	-	4.6	-	3.9	-	5.2	-	3.2	-	.7	
228	Yarn and thread mills	-	7.4	-	5.7	-	7.7	-	5.5	-	.9	
229	Miscellaneous textile goods	-	4.6	-	3.5	-	5.5	-	2.7	-	1.9	
23	APPAREL AND OTHER TEXTILE PRODUCTS	4.3	5.3	2.8	3.7	5.3	5.9	2.3	2.9	2.3	2.1	
231	Men's and boys' suits and coats	-	3.1	-	1.6	-	6.8	-	1.6	-	4.6	
232	Men's and boys' furnishings	-	4.9	-	3.9	-	5.6	-	3.7	-	1.0	
2321	Men's and boys' shirts and nightwear	-	4.7	-	3.7	-	5.2	-	3.7	-	.6	
2327	Men's and boys' separate trousers	-	5.2	-	4.3	-	5.4	-	4.1	-	.4	
2328	Men's and boys' work clothing	-	4.5	-	3.8	-	4.9	-	3.7	-	.6	
234	Women's and children's undergarments	-	5.1	-	3.6	-	4.8	-	3.1	-	.8	
2341	Women's and children's underwear	-	5.2	-	3.8	-	5.2	-	3.4	-	.7	
2342	Corsets and allied garments	-	4.6	-	3.1	-	3.9	-	2.4	-	.9	
26	PAPER AND ALLIED PRODUCTS	2.3	2.9	1.7	2.4	3.0	3.8	1.2	1.9	1.1	1.0	
261,2,6	Paper and pulp mills	-	1.4	-	1.0	-	2.5	-	.9	-	1.1	
263	Paperboard mills	-	1.7	-	1.4	-	2.6	-	1.2	-	.7	
264	Misc. converted paper products	-	3.5	-	2.8	-	4.3	-	2.2	-	1.1	
2643	Bags, except textile bags	-	3.5	-	2.6	-	4.8	-	2.7	-	1.0	
265	Paperboard containers and boxes	-	4.3	-	3.6	-	4.9	-	2.8	-	1.0	
2651,2	Folding and setup paperboard boxes	-	4.5	-	3.8	-	5.2	-	2.6	-	1.3	
2653	Corrugated and solid fiber boxes	-	4.1	-	3.7	-	4.7	-	3.1	-	.7	
27	PRINTING AND PUBLISHING	2.2	3.2	1.7	2.6	2.4	3.5	1.2	1.9	.7	1.0	
28	CHEMICALS AND ALLIED PRODUCTS	1.5	1.8	1.1	1.4	2.1	2.4	.7	1.0	.9	.8	
281	Industrial chemicals	-	1.2	-	.9	-	1.6	-	.7	-	.4	
282	Plastics materials and synthetics	-	1.3	-	.8	-	2.0	-	.8	-	.7	
2821	Plastics materials and resins	-	1.1	-	.9	-	1.9	-	.8	-	.6	
2823,4	Synthetic fibers	-	1.5	-	.7	-	2.3	-	.8	-	1.0	
283	Drugs	-	1.8	-	1.6	-	1.8	-	.9	-	.3	
2834	Pharmaceutical preparations	-	2.1	-	1.8	-	2.0	-	1.0	-	.4	
284	Soap, cleaners, and toilet goods	-	3.1	-	2.6	-	4.1	-	1.6	-	1.6	
2841	Soap and other detergents	-	2.0	-	1.6	-	2.4	-	.8	-	1.0	
2844	Toilet preparations	-	4.2	-	3.4	-	6.3	-	2.0	-	2.8	
285	Paints and allied products	-	1.9	-	1.7	-	3.5	-	1.6	-	.9	
286,9	Other chemical products	-	1.8	-	1.3	-	3.1	-	1.2	-	1.2	
29	PETROLEUM AND COAL PRODUCTS	1.4	2.2	1.2	1.9	1.9	2.5	.7	.9	.5	.9	
291	Petroleum refining	-	1.6	-	1.4	-	1.5	-	.5	-	.4	
295,9	Other petroleum and coal products	-	4.5	-	4.2	-	6.5	-	2.6	-	2.8	
30	RUBBER AND PLASTICS PRODUCTS, N E C	3.4	4.6	1.9	3.5	5.4	6.4	1.7	2.6	2.8	2.6	
301	Tires and inner tubes	-	1.7	-	.7	-	2.3	-	.7	-	.8	
302,3,6	Other rubber products	-	4.2	-	2.8	-	7.5	-	2.3	-	4.2	
307	Miscellaneous plastics products	-	6.1	-	4.9	-	7.4	-	3.6	-	2.4	

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**
D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970	Nov. 1970 ^P	Oct. 1970
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS	4.6	5.6	3.3	4.1	5.3	6.4	2.4	3.4	2.1	2.0
311	Leather tanning and finishing	-	4.6	-	3.5	-	4.8	-	2.4	-	1.9
314	Footwear, except rubber	-	5.5	-	3.8	-	6.7	-	3.5	-	2.1
	NONMANUFACTURING										
10	METAL MINING	2.8	3.1	2.0	2.7	3.9	4.5	1.3	1.9	1.5	1.8
101	Iron ores	-	1.6	-	1.0	-	7.3	-	1.2	-	5.4
102	Copper ores	-	3.1	-	2.6	-	2.5	-	1.8	-	.1
11,12	COAL MINING	1.9	2.4	1.7	2.0	1.2	1.8	.4	1.2	.4	.2
12	Bituminous coal and lignite mining	1.9	2.4	1.7	2.0	1.3	1.8	.5	1.2	.4	.2
	COMMUNICATION:										
481	Telephone communication	-	1.9	-	-	-	1.9	-	1.4	-	.1
482	Telegraph communication ²	-	2.4	-	-	-	2.7	-	1.8	-	.5

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, 1959 to date
seasonally adjusted

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1959.....	4.0	4.3	4.6	4.3	4.1	4.2	4.1	4.1	4.0	3.8	4.2	5.6
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	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.1
1965.....	4.0	4.1	4.3	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966.....	4.9	5.0	5.3	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.6
1967.....	4.6	4.3	4.2	4.2	4.6	4.4	4.4	4.4	4.3	4.5	4.5	4.4
1968.....	4.5	4.6	4.3	4.7	4.7	4.4	4.7	4.7	4.6	4.8	4.8	4.9
1969.....	4.9	4.7	4.8	4.9	4.8	4.9	4.7	4.5	4.8	4.7	4.4	4.6
1970.....	4.2	4.3	3.9	4.0	4.2	4.0	4.1	4.1	3.8	3.6	3.7p	
New hires												
1959.....	2.4	2.6	2.9	2.8	2.7	2.7	2.6	2.6	2.6	2.4	2.4	2.7
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	2.2	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	3.0	3.0	3.1	3.1	3.2	3.5	3.7
1966.....	3.7	3.8	4.3	3.9	4.0	3.9	3.7	3.8	3.7	3.8	3.8	3.5
1967.....	3.5	3.3	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	3.3	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.5	3.7
1969.....	3.8	3.7	3.9	3.8	3.7	3.8	3.8	3.5	3.8	3.6	3.4	3.5
1970.....	3.3	3.1	3.0	2.8	2.7	2.7	2.8	2.9	2.7	2.4	2.3p	
Total separations												
1959.....	3.6	3.6	3.6	3.8	3.8	3.9	4.0	4.2	4.2	5.1	4.7	4.1
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	4.1	3.9	4.0	4.0	4.2	4.2	4.3	4.2	4.3
1966.....	4.1	4.3	4.6	4.7	4.7	4.9	4.9	4.7	4.9	4.5	4.7	4.5
1967.....	4.6	4.8	5.1	4.7	4.6	4.7	4.4	4.3	4.6	4.5	4.5	4.1
1968.....	4.6	4.7	4.6	4.5	4.6	4.5	4.6	4.9	4.6	4.7	4.6	4.1
1969.....	4.7	4.8	4.9	4.9	5.0	5.0	4.9	5.0	4.8	5.0	4.8	4.5
1970.....	5.0	5.1	5.0	5.2	5.0	4.8	4.9	4.5	4.4	5.0	4.8p	
Quits												
1959.....	1.4	1.3	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
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	1.4	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.....	2.2	2.3	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.7
1967.....	2.5	2.4	2.4	2.3	2.3	2.4	2.2	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	2.7	2.8	2.8	2.7	2.8	2.6	2.7	2.6	2.5
1970.....	2.5	2.4	2.2	2.2	2.1	2.2	2.2	2.1	2.0	1.9	1.8p	
Layoffs												
1959.....	1.8	1.7	1.7	1.7	1.6	1.7	1.9	2.0	2.0	2.9	2.5	1.9
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	1.9	1.9	2.0
1962.....	1.8	1.9	1.7	1.8	2.0	2.0	2.0	2.4	2.0	2.0	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	1.2	1.2	1.1	1.3	1.4	1.2	1.2	1.1	1.1
1969.....	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.3	1.3	1.4
1970.....	1.5	1.7	1.8	2.0	1.9	1.9	1.6	1.8	1.9	2.2	2.0p	

p = preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**
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	
Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	
ALABAMA:										
Birmingham	2.6	3.3	1.7	2.4	3.1	4.2	1.3	2.1	1.0	1.1
Mobile ¹	5.1	4.7	3.1	3.5	4.9	8.1	2.5	4.6	1.6	2.1
ALASKA	10.4	15.0	7.3	13.4	22.4	47.3	9.1	10.0	11.6	35.9
ARIZONA	4.6	5.6	3.5	4.0	6.7	6.5	2.4	3.3	3.2	1.8
Phoenix	4.5	5.2	3.5	3.7	7.1	6.2	2.2	2.9	3.8	2.0
ARKANSAS	5.0	6.9	4.9	5.9	6.9	7.6	3.9	5.5	2.2	1.2
Fort Smith	5.8	8.2	5.0	7.2	8.4	8.7	4.8	6.6	2.4	.6
Little Rock-North Little Rock	4.5	5.3	4.0	4.9	4.7	5.9	3.0	4.5	.9	.6
Pine Bluff	4.3	6.8	3.7	5.3	7.7	6.5	3.1	4.9	3.7	1.0
COLORADO	6.3	5.5	3.6	4.0	5.1	6.1	2.3	3.6	1.8	1.3
Denver	4.1	5.4	3.3	4.5	4.9	6.0	2.4	3.7	1.4	1.0
CONNECTICUT	2.5	2.9	1.8	2.7	4.1	4.6	1.6	2.4	1.7	1.3
Hartford	1.8	1.8	1.4	1.3	3.2	3.6	1.4	1.9	1.0	.8
DELAWARE ¹	2.5	2.8	1.2	1.5	2.5	3.4	1.3	2.1	.2	.5
Wilmington ¹	2.3	2.9	1.3	1.7	2.4	3.1	1.2	2.1	.5	.3
DISTRICT OF COLUMBIA:										
Washington SMSA	2.9	2.8	2.9	2.8	2.6	3.1	2.0	2.4	.3	.2
FLORIDA	8.3	7.3	4.9	5.6	6.0	7.4	3.3	4.4	1.7	1.8
Fort Lauderdale-Hollywood	5.5	8.1	5.0	7.3	8.4	7.8	4.6	4.3	2.1	2.1
Jacksonville	5.2	10.3	4.6	5.9	4.3	10.1	3.0	5.1	.1	2.9
Miami	5.9	6.6	3.8	4.8	4.9	7.0	2.7	3.5	1.6	2.8
Orlando	4.3	5.0	3.0	3.2	3.2	5.0	2.1	3.2	.5	.8
Pensacola .....	.6	1.2	.6	1.1	.7	1.5	.5	1.3	.1	.1
Tampa-St. Petersburg	6.8	7.8	5.9	6.7	6.1	8.0	3.7	5.6	1.5	1.2
West Palm Beach	6.4	5.4	5.0	4.1	6.9	5.4	4.6	3.7	.8	.5
GEORGIA	5.5	6.3	4.4	5.2	5.6	6.8	3.8	5.1	.7	.6
Atlanta ²	4.3	5.0	3.5	4.3	5.6	6.0	3.3	4.4	1.2	.7
HAWAII ³	2.5	2.9	1.9	2.3	3.3	3.3	1.8	2.0	.4	.6
IDAHO ⁴	4.3	6.6	3.6	5.9	5.8	7.9	2.7	5.4	1.9	1.1
ILLINOIS:										
Chicago	3.3	4.6	2.7	3.9	4.7	5.8	2.3	3.7	1.2	.9
INDIANA ¹	3.1	3.6	1.9	2.5	6.4	5.2	1.6	2.7	3.9	1.5
Indianapolis ⁵	2.6	2.7	1.6	2.0	5.5	4.2	1.5	1.9	3.0	1.1
IOWA	3.4	4.1	2.4	3.1	4.3	5.7	1.8	3.1	1.8	1.8
Cedar Rapids	3.4	3.7	2.5	2.6	4.2	4.4	1.2	2.0	2.1	1.7
Des Moines	3.8	4.9	2.0	3.7	5.0	8.6	3.2	4.2	1.0	2.4
KANSAS	2.4	3.5	1.8	2.8	4.7	5.5	1.6	2.4	2.2	2.3
Topeka	1.8	2.8	1.4	2.3	4.6	5.5	1.4	2.1	1.2	1.3
Wichita	2.0	2.4	1.3	1.6	4.0	5.4	1.0	1.7	2.4	3.2
KENTUCKY	3.7	3.6	2.3	2.8	4.4	4.3	1.8	2.4	1.7	1.0
Louisville	3.5	4.3	2.3	2.9	3.6	4.1	1.5	2.3	.8	.7
LOUISIANA:										
New Orleans	3.7	6.3	3.1	4.8	4.9	7.8	2.3	3.4	1.4	2.2
MAINE	5.4	6.3	4.1	4.6	6.5	9.1	3.4	5.5	2.0	2.4
Portland	3.5	3.8	2.9	3.2	4.5	6.1	2.4	4.0	1.5	1.2
MARYLAND	3.3	3.7	1.6	3.0	4.5	5.7	2.0	2.8	1.7	1.9
Baltimore	3.2	3.7	2.4	2.8	4.1	5.2	1.9	3.0	1.4	1.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970
MASSACHUSETTS.....	3.7	4.4	2.5	3.3	5.5	6.0	2.1	3.5	2.0	1.4
Boston.....	3.3	3.7	2.2	3.0	4.5	5.8	1.9	3.2	1.7	1.2
MICHIGAN.....	2.8	6.6	1.4	2.3	7.3	5.8	1.3	2.0	4.8	2.5
Detroit.....	2.7	5.8	1.5	2.8	5.5	5.2	1.5	2.2	2.5	1.5
MINNESOTA.....	3.7	4.7	2.5	3.4	6.2	7.9	2.5	4.4	2.9	2.4
Minneapolis-St. Paul.....	3.2	3.4	2.1	2.6	5.6	5.7	2.0	3.1	2.8	1.4
MISSISSIPPI:										
Jackson.....	6.0	6.3	5.3	5.3	5.6	5.8	3.4	4.6	1.1	.3
MISSOURI.....	3.1	3.7	2.3	2.8	4.2	5.1	1.9	2.6	1.4	1.5
Kansas City.....	3.1	3.7	2.2	3.0	3.8	5.0	2.1	2.7	.9	1.5
St. Louis.....	2.1	2.9	1.5	2.1	3.7	4.6	1.1	2.1	1.7	1.5
MONTANA.....	6.5	5.4	5.2	4.9	5.3	8.4	3.0	5.8	1.1	1.5
NEBRASKA.....	4.8	5.2	4.2	4.6	5.3	6.5	3.5	4.9	1.0	.7
NEVADA.....	6.8	5.4	6.0	4.6	6.8	7.3	4.3	4.5	1.6	1.0
NEW HAMPSHIRE.....	4.9	4.8	4.1	4.0	6.5	7.2	3.4	4.7	2.3	1.8
NEW JERSEY:										
Camden ⁶	3.2	4.9	2.5	4.1	4.6	6.0	1.5	3.6	1.8	1.3
Jersey City.....	3.7	3.6	2.5	2.7	3.6	4.6	1.4	2.0	1.2	1.7
Newark.....	3.0	4.8	2.3	2.9	3.9	5.0	1.6	2.8	1.4	1.2
Paterson-Clifton-Passaic.....	3.6	4.4	3.0	3.3	4.7	5.5	2.0	2.9	1.6	1.5
Perth Amboy.....	4.0	4.8	2.9	3.2	3.7	5.4	1.7	3.1	.7	1.1
Trenton.....	2.7	2.7	2.2	2.1	3.1	4.1	1.5	2.5	.9	.6
NEW YORK.....	3.8	4.8	2.7	3.1	5.3	5.6	1.8	2.7	2.5	1.9
Albany-Schenectady-Troy.....	2.9	3.1	2.0	2.4	3.4	5.0	1.6	3.0	.7	.9
Binghamton.....	1.6	2.0	1.1	1.3	2.5	3.8	1.0	1.5	1.0	1.2
Buffalo.....	2.0	4.4	1.2	2.0	5.1	4.9	1.1	2.2	3.1	1.6
Elmira.....	2.9	3.9	2.4	3.4	3.8	5.2	1.8	3.0	1.2	.8
Monroe County ⁷	2.7	2.7	1.8	2.0	5.5	5.8	2.3	2.5	2.0	2.5
Nassau and Suffolk Counties ⁸	4.0	3.8	3.0	3.1	5.0	5.3	1.9	3.0	2.3	1.4
New York SMSA.....	4.5	5.4	3.1	3.5	5.5	5.8	1.9	2.6	2.6	2.1
New York City ⁸	4.7	5.2	3.2	3.7	5.7	6.0	2.0	2.5	2.8	2.3
Rochester.....	3.4	3.5	2.4	2.6	5.7	6.3	2.4	2.6	2.2	2.7
Syracuse.....	2.9	2.2	2.0	1.6	3.9	4.3	1.5	2.0	1.8	1.7
Utica-Rome.....	2.6	3.7	2.0	2.5	4.6	4.1	1.2	2.0	1.9	1.4
Westchester County ⁸	3.7	10.5	2.7	3.1	3.6	5.8	1.8	3.3	.9	1.4
NORTH CAROLINA.....	4.8	5.7	4.0	4.7	4.9	6.0	3.3	4.6	.7	.5
Charlotte.....	5.2	7.1	4.9	6.6	5.1	6.6	3.7	5.2	.3	.2
Greensboro-Winston-Salem-High Point.....	4.1	5.1	3.5	4.3	4.2	5.3	3.0	4.2	.3	.2
NORTH DAKOTA.....	9.3	7.2	7.6	6.1	7.9	8.0	3.4	4.7	3.5	1.6
Fargo-Moorhead.....	12.8	5.6	6.9	3.2	4.4	8.2	2.5	3.9	1.0	3.0
OHIO.....	2.6	3.4	1.6	2.4	6.2	5.6	1.4	2.6	3.8	2.0
Akron.....	1.9	2.0	.9	1.2	2.7	3.6	1.0	1.9	.9	1.1
Canton.....	3.0	3.4	1.6	2.3	5.7	5.5	1.1	2.3	3.7	1.8
Cincinnati.....	2.3	3.3	1.6	2.4	4.1	4.3	1.4	2.6	1.9	.9
Cleveland.....	2.5	3.1	1.7	2.4	5.3	5.2	1.6	2.6	2.7	1.5
Columbus.....	3.2	3.4	2.7	2.5	4.0	4.5	1.7	2.5	1.6	1.3
Dayton.....	2.3	2.7	.9	1.9	10.5	7.7	1.0	2.1	7.9	4.1
Toledo.....	3.1	4.0	1.6	2.2	5.9	7.5	1.2	2.8	3.5	3.5
Youngstown-Warren.....	1.9	2.1	.8	1.3	14.5	4.2	1.0	2.1	12.3	1.1
OKLAHOMA:										
Oklahoma City.....	5.9	8.3	5.1	7.1	5.6	8.0	4.0	5.4	.7	1.0
Tulsa ⁹	4.2	6.2	3.7	5.9	7.6	7.5	3.4	4.0	2.7	1.9
OREGON ¹	3.9	4.5	3.0	3.7	4.9	6.0	2.1	3.8	2.0	1.4
Portland ¹	3.2	4.2	2.2	3.1	4.7	5.3	1.9	3.1	1.9	1.4

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)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970	Oct. p 1970	Sept. 1970
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	2.8	3.7	2.1	2.5	3.7	5.2	1.6	2.8	1.4	1.8
Altoona	3.2	5.4	2.6	4.0	3.7	6.3	2.1	3.7	1.3	2.0
Erie	4.6	5.0	3.2	3.9	6.0	6.2	2.4	3.5	2.2	1.4
Harrisburg	2.0	2.8	1.6	2.2	3.6	4.8	1.5	2.4	1.3	1.7
Johnstown	2.1	1.9	.7	.9	8.1	8.1	.9	1.3	6.9	6.3
Lancaster	4.3	3.9	3.3	3.2	5.5	5.6	2.9	3.7	1.7	1.2
Philadelphia	3.1	3.9	2.2	3.0	4.1	5.8	1.6	2.9	1.6	2.0
Pittsburgh	2.2	2.6	.9	1.4	4.6	4.0	.7	1.6	3.1	1.7
Reading	6.9	4.5	2.8	3.4	4.3	8.4	2.2	3.4	1.2	4.1
Scranton	3.4	3.2	1.9	1.9	4.9	7.5	1.4	2.5	2.9	4.4
Wilkes-Barre-Hazleton	3.8	4.3	2.3	3.1	3.9	6.2	2.0	3.3	1.2	2.2
York	4.8	8.9	3.5	5.7	6.5	6.8	3.8	5.2	2.1	.9
RHODE ISLAND:										
Providence-Pawtucket-Warwick	5.7	7.9	4.1	5.2	5.5	7.6	3.0	4.4	1.6	2.2
	5.5	7.4	4.2	5.1	5.2	7.4	3.0	4.5	1.5	2.0
SOUTH CAROLINA:										
Greenville	4.9	5.5	4.3	4.6	5.7	6.6	3.8	4.7	.7	.7
SOUTH DAKOTA:										
Sioux Falls	4.6	4.4	2.5	2.8	4.8	5.6	1.9	3.4	2.2	1.5
	5.2	4.0	1.5	1.1	5.3	5.0	.8	2.1	4.2	2.4
TENNESSEE:										
Memphis	5.4	6.8	4.6	5.5	5.9	6.5	2.8	3.6	1.8	1.3
TEXAS:										
Dallas	3.2	3.9	2.9	3.6	5.8	5.2	2.7	3.3	2.3	1.1
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	3.6	4.2	2.9	1.8	3.8	4.7	2.2	2.9	.5	.6
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH ⁴ :										
Salt Lake City ⁴	4.1	4.3	2.8	3.5	5.1	5.7	2.4	4.0	1.9	.8
	4.0	4.6	3.5	4.1	4.0	5.3	2.4	3.9	.8	.6
VERMONT:										
Burlington	2.4	3.1	1.8	2.5	3.4	4.4	1.6	2.6	1.1	1.1
Springfield	1.8	2.0	1.4	1.6	2.6	3.6	1.3	2.5	.8	.6
	2.4	3.0	1.4	2.2	2.8	3.3	.7	1.5	1.4	1.4
VIRGINIA:										
Richmond	4.2	5.0	3.4	3.7	4.0	5.1	2.5	3.7	.8	.7
	3.4	4.6	3.0	3.5	4.9	4.6	2.4	3.3	1.5	.4
WASHINGTON:										
Seattle-Everett ¹⁰	2.2	2.4	1.2	1.6	4.1	4.9	1.0	1.9	2.5	2.4
WEST VIRGINIA:										
Charleston . . . . .	.4	.9	.3	.7	1.1	2.1	.5	1.3	.2	.4
WISCONSIN:										
Milwaukee	2.6	4.0	1.8	2.8	4.8	7.3	1.5	3.6	2.4	2.7
	2.7	3.6	1.8	2.7	4.7	6.4	1.4	3.1	2.2	2.3
WYOMING:										
	3.2	7.0	2.7	6.1	4.9	7.5	3.0	5.1	1.5	1.2

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.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Subarea of New York Standard 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.

ESTABLISHMENT DATA JOB VACANCY

110

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			
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			
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			
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			

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.

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

Industry division and group	1970										1969		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
Job vacancy rates ¹													
Manufacturing	0.5	0.6	0.7	0.6	0.6	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.2
Durable goods . . . . .	.4	.5	.6	.6	.6	.7	.7	.8	.9	1.0	1.0	1.1	1.2
Nondurable goods . . . . .	.6	.7	.8	.7	.7	.9	.9	.9	.8	.9	.9	1.0	1.1
Selected durable goods industries:													
Primary metal industries . . . . .	.3	.4	.6	.4	.5	.6	.7	.6	.6	.8	.7	.9	1.2
Machinery, except electrical . . . . .	.4	.5	.6	.5	.6	.8	.9	1.0	1.0	1.2	1.1	1.4	1.6
Electrical equipment and supplies . . . . .	.4	.6	.7	.6	.6	.8	.8	.9	1.1	1.1	1.2	1.2	1.5
Transportation equipment . . . . .	.4	.4	.6	.5	.5	.6	.5	.7	.6	.8	.8	.8	1.0
Instruments and related products . . . . .	.6	.7	.7	.6	.7	1.1	1.4	1.7	1.7	1.6	1.4	1.6	1.9
Selected nondurable goods industries:													
Textile mill products . . . . .	.8	1.0	1.0	.9	.8	1.1	1.1	1.0	.9	.9	.9	1.0	1.2
Apparel and other textile products	1.1	1.4	1.5	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.5	1.6	1.8
Printing and publishing . . . . .	.4	.5	.6	.5	.5	.6	.7	.7	.7	.8	.8	.9	.9
Chemicals and allied products . . . . .	.4	.6	.6	.6	.7	.8	.8	1.0	.9	.9	.8	.9	1.0
Long-term job vacancy rates ²													
Manufacturing . . . . .	.2	.2	.2	.2	.2	.3	.3	.3	.3	.4	.4	.5	.5
Durable goods . . . . .	.1	.2	.2	.2	.2	.2	.3	.3	.3	.4	.5	.5	.6
Nondurable goods . . . . .	.2	.2	.3	.3	.3	.3	.3	.3	.4	.4	.4	.5	.5
Selected durable goods industries:													
Primary metal industries . . . . .	.1	.1	.1	.2	.1	.2	.3	.2	.2	.3	.3	.5	.6
Machinery, except electrical . . . . .	.2	.2	.2	.2	.2	.3	.4	.4	.5	.5	.6	.7	.8
Electrical equipment and supplies . . . . .	.1	.1	.2	.1	.1	.2	.2	.3	.3	.4	.5	.5	.5
Transportation equipment . . . . .	.1	.1	.2	.2	.1	.2	.2	.3	.2	.3	.4	.4	.5
Instruments and related products . . . . .	.1	.1	.2	.2	.2	.4	.6	.9	.8	.6	.6	.7	.7
Selected nondurable goods industries:													
Textile mill products . . . . .	.2	.2	.2	.2	.2	.3	.3	.3	.3	.3	.4	.4	.4
Apparel and other textile products . . . . .	.6	.7	.8	.7	.8	.8	.8	.8	.8	.8	.9	1.0	1.1
Printing and publishing . . . . .	.1	.1	.1	.1	.1	.2	.2	.3	.2	.3	.3	.3	.3
Chemicals and allied products . . . . .	.2	.2	.2	.3	.3	.4	.4	.4	.3	.4	.4	.5	.5
Long-term job vacancies as a percent of job vacancies ³													
Manufacturing	35	32	31	35	36	37	38	40	41	41	48	49	46
Durable goods	34	30	30	33	33	35	37	40	40	41	48	49	44
Nondurable goods	37	34	33	38	40	39	39	41	42	41	49	48	48
Selected durable goods industries:													
Primary metal industries	44	31	27	36	29	39	37	39	41	40	45	49	49
Machinery, except electrical	40	38	37	42	38	42	42	46	47	46	54	52	48
Electrical equipment and supplies	27	24	25	22	22	27	28	30	32	36	42	42	35
Transportation equipment	34	31	32	37	30	28	41	39	37	38	52	55	47
Instruments and related products	21	20	24	23	34	39	41	51	49	36	42	43	36
Selected nondurable goods industries:													
Textile mill products	23	22	21	24	29	28	26	29	31	30	43	40	36
Apparel and other textile products	51	51	50	52	55	53	54	54	52	52	62	61	60
Printing and publishing	23	22	21	27	32	30	33	38	36	35	38	40	37
Chemicals and allied products	49	38	31	45	43	48	49	42	40	48	52	56	55

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Percentages are computed using unrounded rates.

ESTABLISHMENT DATA NATIONAL AND AREA JOB VACANCY

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

Industry division and group	1970										1969		
	Oct.	Sept.	Aug.	July	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	49.1	48.8	51.5	51.0	52.1	53.7	54.8	56.9	58.9	60.3	61.0	60.4	62.5
Primary metal industries	3.5	5.0	5.5	4.5	5.3	5.6	6.2	4.6	4.4	5.6	5.3	6.2	7.0
Machinery, except electrical	8.6	8.5	8.1	8.4	10.5	10.6	11.3	12.2	12.6	12.9	12.6	13.3	13.3
Electrical equipment and supplies	9.0	9.3	9.8	10.0	9.1	9.7	10.0	10.9	12.5	12.1	13.4	12.0	13.0
Transportation equipment	7.0	5.9	7.2	6.6	7.0	7.2	6.3	8.3	7.1	8.5	8.4	7.9	8.7
Instruments and related products	3.1	2.5	2.4	2.4	2.6	3.6	4.4	5.0	4.9	4.1	3.6	3.7	3.8
Other durable goods industries	17.9	17.5	18.6	19.3	17.6	16.9	16.5	15.8	17.4	17.2	17.6	17.3	16.7
Nondurable goods	50.9	51.2	48.5	49.0	47.9	46.3	45.2	43.1	41.1	39.7	39.0	39.6	37.5
Textile mill products	8.1	8.1	7.1	6.9	6.7	6.8	7.0	6.0	5.1	4.5	4.7	4.7	4.9
Apparel and other textile products	17.2	16.3	15.7	15.0	16.6	14.3	13.2	13.4	13.6	12.1	11.6	11.1	10.7
Printing and publishing	5.2	4.6	5.1	4.4	4.3	4.4	5.0	4.7	4.5	5.1	4.8	4.6	4.1
Chemicals and allied products	4.6	5.2	4.9	5.3	6.0	5.4	5.6	5.9	5.6	5.2	4.5	4.4	4.3
Other nondurable goods industries	15.9	17.0	15.7	17.4	14.3	15.3	14.4	13.2	12.2	12.9	13.3	14.9	13.5

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

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total ¹		Long-term ²			Total ¹		Long-term ²	
	Oct. 1970 P	Sept. 1970	Oct. 1970 P	Sept. 1970		Oct. 1970 P	Sept. 1970	Oct. 1970 P	Sept. 1970
United States ³	0.5	0.6	0.2	0.2	Areas—Continued				
Albany-Schenectady-Troy, N.Y. ....	.8	.8	.3	.2	Minneapolis-St. Paul, Minn.	0.2	0.3	0.1	0.1
Atlanta, Ga. ....	.3	.5	.2	.1	New Orleans, La. ....	.5	.6	.5	.4
Baltimore, Md. ....	.5	.7	.2	.2	Newark, N.J. ....	.4	.5	.2	.2
Boston, Mass. ....	.9	1.0	.3	.3	New York, N.Y. ....	.5	.6	.2	.2
Buffalo, N.Y. ....	.2	.3	.1	.1	Oklahoma City, Okla. ....	.5	.5	.1	.1
Cedar Rapids, Iowa ....	.5	.9	*	*	Paterson-Clifton-Passaic, N.J. ....	.5	.5	.2	.2
Dallas, Tex. ....	.4	.4	.1	.1	Perth Amboy, N.J. ....	.6	.8	.2	.4
Denver, Colo. ....	.6	.6	.2	.3	Philadelphia, Pa. ....	.5	.7	.2	.2
Des Moines, Iowa ....	.5	.3	.2	.2	Phoenix, Ariz. ....	.5	.7	.2	.2
Detroit, Mich. ....	.2	.2	*	*	Portland, Ore. ....	.2	.3	.1	.1
Greensboro-Winston-Salem-High Point, N.C.	1.3	1.2	.4	.3	Providence-Pawtucket-Warwick, R.I. ....	.7	.9	.3	.3
Houston, Tex. ....	.8	.9	.3	.4	Richmond, Va. ....	.4	.8	.2	.4
Jersey City, N.J. ....	.2	.3	*	*	Salt Lake City, Utah ....	.5	.4	.1	.1
Kansas City, Mo. ....	.4	.3	.2	.1	St. Louis, Mo. ....	.2	.3	.1	*
Little Rock-North Little Rock, Ark. ....	.5	1.0	.3	.3	Syracuse, N.Y. ....	.3	.2	.1	.1
Miami, Fla. ....	.8	.7	.4	.2	Tampa-St. Petersburg, Fla. ....	.5	1.0	.1	.4
Milwaukee, Wis. ....	.3	.4	.1	.2	Wichita, Kans. ....	.4	.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.

P* preliminary.

* Less than 0.05.

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)					Dec. 1970	Nov. 1970	Dec. 1969
	Dec. 1970	Nov. 1970	Dec. 1969	Change to Dec. 1970 from ¹				
			Nov. 1970	Dec. 1969				
TOTAL ²	2,222.2	**2,007.3	1,251.3	***215.0	+971.0	4.1	3.7	2.4
SEASONALLY ADJUSTED	2,222.5	**2,423.2	1,253.8	**--200.7	+968.7	4.2	4.5	2.4
Alabama	26.4	25.1	14.4	+1.3	+12.0	3.7	3.5	2.1
Alaska	6.3	4.9	5.1	+1.4	+1.3	11.7	9.1	10.6
Arizona	12.1	10.6	5.1	+1.5	+7.1	3.2	2.8	1.5
Arkansas	18.0	15.7	13.1	+2.3	+5.0	4.5	3.9	3.4
California	346.1	302.8	191.9	+43.3	+154.2	6.5	5.7	3.8
Colorado	7.9	6.5	4.3	+1.3	+3.6	1.6	1.3	.9
Connecticut	60.3	54.3	24.4	+6.1	+35.9	5.9	5.3	2.5
Delaware	4.4	4.1	2.3	+3	+2.1	2.6	2.4	1.4
District of Columbia	6.4	5.7	4.3	+8	+2.1	1.8	1.6	1.2
Florida	36.0	36.4	18.4	-.5	+17.6	2.4	2.4	1.3
Georgia	22.2	20.0	11.4	+2.2	+10.8	2.0	1.8	1.1
Hawaii	8.7	8.4	5.0	+4	+3.8	3.5	3.4	2.2
Idaho	6.8	4.4	4.3	+2.4	+2.4	4.5	2.9	3.0
Illinois	89.6	85.1	50.8	+4.6	+38.8	2.8	2.6	1.6
Indiana	48.9	46.1	20.1	+2.8	+28.7	3.4	3.2	1.5
Iowa	15.8	12.0	9.1	+3.8	+6.6	2.7	2.1	1.6
Kansas	17.3	16.8	7.7	+5	+9.6	3.9	3.8	1.8
Kentucky	22.4	17.9	15.3	+4.4	+7.1	3.6	2.9	2.5
Louisiana	26.5	25.2	21.7	+1.3	+4.9	3.6	3.5	3.0
Maine	14.3	11.4	9.0	+2.9	+5.3	6.4	5.1	4.1
Maryland	26.7	22.8	14.1	+4.0	+12.7	2.8	2.4	1.5
Massachusetts	95.8	85.8	52.6	+9.9	+43.2	5.4	4.9	3.1
Michigan	141.6	143.8	57.7	-2.2	+84.0	5.8	5.8	2.4
Minnesota	38.0	26.6	17.6	+11.4	+20.4	3.8	2.7	1.9
Mississippi	9.6	8.3	6.9	+1.2	+2.6	2.5	2.1	1.9
Missouri	42.6	41.3	24.2	+1.4	+18.5	3.5	3.4	2.1
Montana	6.1	3.9	4.5	+2.2	+1.6	4.9	3.1	3.6
Nebraska	6.9	5.0	3.2	+1.9	+3.7	2.3	1.6	1.1
Nevada	8.0	6.4	4.8	+1.6	+3.2	5.1	4.1	3.4
New Hampshire	7.2	6.4	2.4	+8	+4.8	3.6	3.2	1.2
New Jersey	105.5	88.1	68.7	+17.4	+36.8	5.1	4.3	3.6
New Mexico	9.0	7.9	5.3	+1.1	+3.7	4.9	4.3	3.0
New York	251.9	242.5	160.5	+9.4	+91.4	4.4	4.2	2.9
North Carolina	33.5	30.3	22.3	+3.1	+11.1	2.5	2.3	1.7
North Dakota	4.0	1.6	2.5	+2.5	+1.6	4.8	1.9	3.0
Ohio	101.3	93.6	44.2	+7.8	+57.1	3.4	3.1	1.5
Oklahoma	18.1	16.5	11.1	+1.5	+7.0	3.7	3.4	2.4
Oregon	35.9	27.2	23.5	+8.7	+12.4	6.6	5.0	4.5
Pennsylvania	140.3	120.6	76.4	+19.8	+63.9	4.1	3.5	2.3
Puerto Rico ²	54.3	58.9	40.8	-4.6	+13.5	10.3	8.9	8.5
Rhode Island	15.3	12.5	9.2	+2.7	+6.1	5.4	4.4	3.3
South Carolina	19.3	**17.7	12.0	**+1.7	+7.4	3.1	**2.8	2.0
South Dakota	2.3	1.6	1.7	+7	+6	2.5	1.7	1.9
Tennessee	33.3	32.8	23.5	+5	+9.8	3.5	3.4	2.5
Texas	49.7	43.9	24.9	+5.9	+24.9	1.9	1.7	1.0
Utah	8.5	7.4	6.9	+1.1	+1.6	3.7	3.2	3.2
Vermont	5.8	4.2	2.5	+1.6	+3.3	5.6	4.1	2.5
Virginia	11.9	8.1	7.1	+3.9	+4.8	1.2	.8	.7
Washington	82.0	75.9	47.0	+6.1	+35.0	9.9	9.2	5.7
West Virginia	12.7	11.5	10.5	+1.2	+2.2	3.5	3.2	3.0
Wisconsin	46.9	39.9	24.2	+7.1	+22.8	4.1	3.5	2.1
Wyoming	1.4	.9	1.1	+5	+3	1.9	1.2	1.5

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

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

*Excludes insured unemployment under extended duration provisions of regular State laws.

**Revised.

F-2: Insured unemployment¹ in 150 major labor areas²

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

State and area	Dec. 1970	Dec. 1969	State and area	Dec. 1970	Dec. 1969	State and area	Dec. 1970	Dec. 1969	State and area	Dec. 1970	Dec. 1969
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	6.0	2.8	Evansville.....	2.1	1.3	Manchester.....	1.0	0.6	continued		
Mobile.....	2.9	1.6	Ft. Wayne.....	2.8	.6				York.....	3.3	1.1
			Gary-Hammond..	5.0	1.6	NEW JERSEY			PUERTO RICO*		
ARIZONA			Indianapolis....	9.6	3.3	Atlantic City....	5.1	4.0	Mayaguez.....	1.8	1.8
Phoenix.....	9.0	2.9	South Bend.....	3.3	1.2	Jersey City....	14.1	9.9	Ponce.....	2.0	2.6
			Terre Haute....	1.6	.8	Newark.....	28.3	11.4	San Juan.....	3.7	4.8
ARKANSAS			IOWA			New Brunswick..	9.7	5.8			
Little Rock.....	2.3	1.7	Cedar Rapids....	1.4	.4	Paterson.....	21.5	13.0			
			Des Moines.....	1.5	1.0	Trenton.....	2.7	1.8	RHODE ISLAND		
CALIFORNIA			KANSAS			NEW MEXICO			Providence.....	18.2	9.8
Anaheim-S. Ana-			Wichita.....	7.6	2.7	Albuquerque....	3.6	2.2			
Garden Grove..	25.1	10.5	KENTUCKY			NEW YORK			SOUTH CAROLINA		
Fresno.....	6.9	5.3	Louisville.....	7.0	2.9	Albany.....	6.3	4.0	Charleston.....	1.8	1.0
Los Angeles....	140.8	70.8	LOUISIANA			Binghamton....	4.2	1.9	Greenville.....	2.3	1.2
Sacramento.....	13.8	9.6	Baton Rouge....	2.1	1.5	Buffalo.....	22.9	10.1			
San Bernardino..	15.5	8.5	New Orleans....	7.9	6.5	New York.....	162.8	108.7			
San Diego.....	20.1	10.5	Shreveport.....	2.4	1.2	Rochester.....	12.1	4.6	TENNESSEE		
San Francisco..	54.7	30.7	MAINE			Syracuse.....	7.6	4.6	Chattanooga....	1.8	1.8
San Jose.....	22.0	9.7	Portland.....	1.4	.8	Utica.....	6.8	4.0	Knorrville....	4.0	2.3
Stockton.....	7.6	5.4	MARYLAND			NORTH CAROLINA			Memphis.....	3.9	3.1
COLORADO			Baltimore.....	18.0	8.3	Asheville.....	1.3	.8	Nashville.....	3.6	1.9
Denver.....	4.9	1.9	MASSACHUSETTS			Charlotte.....	1.8	1.1	TEXAS		
CONNECTICUT			Boston.....	40.3	21.3	Durham.....	.8	.7	Austin.....	.7	.4
Bridgeport.....	10.3	3.7	Brockton.....	2.9	1.5	Greensboro- Winston-Salem..	3.0	1.6	Beaumont.....	2.5	1.4
Hartford.....	10.2	4.2	Fall River.....	4.2	3.5	OHIO			Corpus Christi..	1.3	.8
New Britain.....	3.6	1.2	Lawrence.....	6.5	3.0	Akron.....	5.9	2.4	Dallas.....	10.8	2.0
New Haven.....	6.5	3.4	Lowell.....	4.0	2.1	Canton.....	4.2	1.4	El Paso.....	2.2	1.9
Stamford.....	2.7	1.2	New Bedford....	5.8	3.6	Cincinnati.....	10.5	8.9	Ft. Worth.....	5.5	1.0
Waterbury.....	6.6	3.0	Springfield....	9.3	5.3	Cleveland.....	20.6	6.0	Houston.....	5.4	2.1
DELAWARE			Worcester.....	5.8	2.8	Columbus.....	5.3	3.1	San Antonio....	3.3	1.8
Wilmington.....	4.0	2.3	MICHIGAN			Dayton.....	9.9	2.3	UTAH		
DIST. OF COL.			Battle Creek....	2.8	1.3	Hamilton.....	2.6	1.2	Salt Lake City..	4.4	3.6
Washington.....	11.1	6.7	Detroit.....	67.7	23.1	Lorain.....	2.7	.9			
FLORIDA			Flint.....	9.7	3.2	Steubenville... Toledo.....	1.0 6.7	.6 2.9	VIRGINIA		
Jacksonville....	.9	.7	Grand Rapids... Kalamazoo.....	8.1 3.0	3.8 .9	Youngstown....	7.9	1.9	Hampton.....	1.3	.9
Miami.....	9.9	5.1	Lansing.....	4.0	1.4	OKLAHOMA			Norfolk.....	1.9	1.2
Tampa.....	5.5	2.7	Muskegon.....	3.9	1.1	Oklahoma City..	3.2	1.6	Richmond.....	.8	.4
GEORGIA			Saginaw.....	3.0	.8	Tulsa.....	4.3	2.3	Roanoke.....	.5	.2
Atlanta.....	6.6	2.5	MINNESOTA			OREGON			WASHINGTON		
Augusta.....	1.9	.8	Duluth.....	2.6	1.4	Portland.....	16.6	9.6	Seattle.....	45.8	20.5
Columbus.....	1.5	.7	Minneapolis....	20.3	4.2	PENNSYLVANIA			Spokane.....	5.3	3.4
Macon.....	1.0	.5	MISSISSIPPI			Allentown.....	5.7	2.8	Tacoma.....	8.1	4.8
Savannah.....	1.2	.4	Jackson.....	.7	.7	Altoona.....	1.7	1.2	WEST VIRGINIA		
HAWAII			MISSOURI			Erie.....	2.7	1.3	Charleston.....	1.4	1.4
Honolulu.....	6.8	3.6	Kansas City....	9.4	4.2	Harrisburg.....	2.6	1.6	Huntington....	2.5	1.8
ILLINOIS			St. Louis.....	26.6	14.4	Johnstown.....	4.7	2.6	Wheeling.....	1.7	1.0
Chicago.....	51.2	23.9	NEBRASKA			Lancaster.....	2.1	.9	WISCONSIN		
Davenport.....	4.1	3.9	Omaha.....	3.0	1.4	Philadelphia... Pittsburgh.....	54.1 27.1	26.8 13.2	Kenosha.....	.9	.4
Peoria.....	2.1	1.5				Reading.....	3.1	1.0	Madison.....	1.6	.8
Rockford.....	3.7	1.3				Scranton.....	5.8	4.6	Milwaukee.....	15.7	6.6
						Wilkes-Barre... Tulsa.....	7.5 4.3	6.7	Racine.....	2.4	.8

¹Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs.²For full name of labor area, see Area Trends in Employment and Unemployment published by the Manpower Administration.

*Excludes insured unemployed under extended duration provisions of regular State laws.

ANNUAL AVERAGES

Section A -- Labor Force, Employment, And Unemployment

	Page
A- 1: Employment status of the noninstitutional population by sex, age, and color	115
A- 2: Labor force by sex, age, and color	117
A- 3: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex.	119
A- 4: Employment status of the noninstitutional population 16 years and over by sex, age, and color	119
A- 5: Full- and part-time status of the civilian labor force by age and sex	120
A- 6: Unemployed persons by sex and age	121
A- 7: Unemployed persons by marital status, sex, age, and color	121
A- 8: Unemployed persons by occupation of last job and sex	122
A- 9: Unemployed persons by industry of last job and sex	122
A-10: Unemployed persons by reason for unemployment, sex, age, and color	123
A-11: Unemployed persons by reason for unemployment, duration, sex, and age	123
A-12: Unemployed persons by duration of unemployment.	124
A-13: Unemployed persons by duration, sex, age, color, and marital status	124
A-14: Unemployed persons by duration, occupation, and industry of last job	125
A-15: Employed persons by sex and age	125
A-16: Employed persons by occupation group, sex, and age	126
A-17: Employed persons by major occupation group, sex, and color	127
A-18: Employed persons by class of worker, sex, and age	128
A-19: Employed persons with a job but not at work by reason, pay status, and sex	129
A-20: Persons at work by type of industry and hours of work.	129
A-21: Persons at work 1-34 hours by usual status and reason working part-time	130
A-22: Nonagricultural workers by industry and full- or part-time status.	130
A-23: Persons at work in nonagricultural industries by full- or part-time status, sex, age, color, and marital status	131
A-24: Persons at work in nonfarm occupations by full- or part-time status and sex	133
A-25: Employment status of 14-15 year-olds by sex and color	135
A-26: Employed 14-15 year-olds by sex, class of worker, and major occupation group.	135
A-27: Labor force status of civilian noninstitutional population by age, sex, and reasons for nonparticipation	136
A-28: Reasons for nonparticipation in labor force by age and sex	137
A-29: Reasons for nonparticipation in labor force by age, color, and sex	138
A-30: Job desire of persons not in labor force and reasons for not seeking work by age and sex.	139
A-31: Job desire of persons not in labor force and reasons for not seeking work by color and sex.	140
A-32: Persons not in labor force who desire to work but think they cannot get jobs by age, color, sex, and detailed reason	140
A-33: Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age and sex	141
A-34: Most recent work experience of persons not in labor force and reasons leaving last job for those who worked during previous 12 months by color and sex.	142
A-35: Industry and occupation of last job for persons not in labor force who worked during previous 12 months by reasons leaving job	142
A-36: Work-seeking intentions of persons not in labor force and major characteristics of those who intend to seek work within next 12 months by sex and color	143

Section B -- Payroll Employment, Hours And Earnings, By Industry

B- 1: Employees on nonagricultural payrolls, by industry	144
B- 2: Production or nonsupervisory workers on private nonagricultural payrolls, by industry.	145
B- 3: Gross hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls, by industry	146

HOUSEHOLD DATA
ANNUAL AVERAGES

A-1: Employment status of the noninstitutional population by sex, age, and color

1970

(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	54,343	80.6	51,195	48,960	2,235	4.4	13,066	240	3,591	1,540	7,694
16 to 21 years	7,263	65.7	5,949	5,137	812	13.6	3,787	17	3,052	39	678
16 to 19 years	4,395	58.4	4,006	3,407	599	15.0	3,136	14	2,549	24	549
16 and 17 years	1,840	47.5	1,808	1,503	305	16.9	2,037	9	1,684	10	334
18 and 19 years	2,555	69.9	2,197	1,904	294	13.4	1,099	6	865	15	214
20 to 64 years	47,784	92.3	45,025	43,459	1,565	3.5	4,005	79	1,041	948	1,937
20 to 24 years	7,378	86.6	5,709	5,230	478	8.4	1,142	6	832	34	271
25 to 54 years	33,279	96.0	32,193	31,303	890	2.8	1,399	38	206	493	661
25 to 29 years	6,509	95.8	6,110	5,867	243	4.0	284	4	137	40	104
30 to 34 years	5,465	97.5	5,201	5,054	147	2.8	138	4	31	39	65
35 to 39 years	5,259	97.5	5,012	4,892	120	2.4	137	5	16	49	67
40 to 44 years	5,559	96.5	5,452	5,319	133	2.4	202	8	10	85	100
45 to 49 years	5,577	95.4	5,528	5,398	130	2.4	271	7	10	122	131
50 to 54 years	4,910	93.1	4,889	4,773	116	2.4	366	10	3	158	194
55 to 64 years	7,127	83.0	7,124	6,926	197	2.8	1,464	35	3	421	1,005
55 to 59 years	4,221	89.5	4,218	4,094	124	2.9	496	14	2	202	279
60 to 64 years	2,906	75.0	2,906	2,832	74	2.5	968	21	1	220	726
65 years and over	2,164	26.8	2,164	2,094	71	3.3	5,925	147	1	568	5,209
65 to 69 years	1,278	41.6	1,278	1,227	51	4.0	1,795	35	--	164	1,596
70 years and over	886	17.7	886	867	19	2.2	4,130	112	--	404	3,613
White											
16 years and over	48,835	81.0	46,013	44,157	1,856	4.0	11,475	201	3,084	1,256	6,934
16 to 21 years	6,406	66.8	5,225	4,577	648	12.4	3,190	12	2,600	28	550
16 to 19 years	3,901	59.7	3,550	3,065	485	13.7	2,628	10	2,155	16	446
16 and 17 years	1,656	49.4	1,628	1,373	255	15.7	1,699	7	1,410	7	274
18 and 19 years	2,245	70.7	1,922	1,692	230	12.0	929	4	745	9	172
20 to 64 years	42,957	92.6	40,486	39,180	1,307	3.2	3,419	61	928	769	1,661
20 to 24 years	6,493	86.7	4,983	4,596	387	7.8	999	4	748	24	223
25 to 54 years	29,946	96.4	28,988	28,245	743	2.6	1,116	27	178	379	533
25 to 34 years	10,671	96.9	10,088	9,773	315	3.1	341	4	146	58	133
35 to 44 years	9,722	97.4	9,413	9,200	212	2.3	263	9	21	104	130
45 to 54 years	9,553	94.9	9,488	9,272	216	2.3	512	13	11	216	271
55 to 64 years	6,518	83.3	6,515	6,338	177	2.7	1,304	31	2	366	905
55 to 59 years	3,861	90.1	3,858	3,748	110	2.8	425	12	1	173	239
60 to 64 years	2,658	75.2	2,657	2,590	67	2.5	879	19	1	193	666
65 years and over	1,977	26.7	1,977	1,913	64	3.2	5,428	130	1	471	4,826
Negro and other races											
16 years and over	5,507	77.6	5,182	4,803	379	7.3	1,591	39	507	284	761
16 to 21 years	857	59.0	724	560	164	22.6	596	5	452	11	128
16 to 19 years	493	49.3	456	342	114	24.9	508	4	394	8	102
16 and 17 years	183	35.2	180	130	50	27.8	338	2	274	2	60
18 and 19 years	310	64.6	275	212	64	23.1	170	2	120	6	42
20 to 64 years	4,826	89.2	4,538	4,280	258	5.7	586	18	113	179	276
20 to 24 years	885	86.1	725	634	91	12.6	143	2	84	9	48
25 to 54 years	3,332	92.2	3,205	3,058	147	4.6	283	11	29	114	128
25 to 34 years	1,303	94.1	1,223	1,148	74	6.1	82	3	22	20	36
35 to 44 years	1,095	93.5	1,052	1,011	41	3.9	77	4	6	30	37
45 to 54 years	934	88.2	929	899	31	3.3	125	4	1	64	55
55 to 64 years	609	79.2	609	588	20	3.4	160	4	1	55	100
55 to 59 years	361	83.5	360	346	14	4.0	71	2	1	29	40
60 to 64 years	248	73.6	248	242	6	2.4	89	2	--	27	60
65 years and over	188	27.4	188	181	7	3.8	497	17	--	97	382

**HOUSEHOLD DATA
ANNUAL AVERAGES**

A- 1: Employment status of the noninstitutional population by sex, age, and color--Continued
1970
(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	31,560	43.4	31,520	29,667	1,853	5.9	41,214	34,878	3,442	869	2,025
16 to 21 years	5,288	48.7	5,269	4,585	684	13.0	5,567	1,788	3,119	21	639
16 to 19 years	3,250	44.0	3,241	2,734	506	15.6	4,130	865	2,713	11	540
16 and 17 years	1,324	34.9	1,324	1,093	231	17.4	2,470	255	1,845	3	367
18 and 19 years	1,926	53.7	1,917	1,641	275	14.4	1,660	611	868	9	173
20 to 64 years	27,254	50.0	27,223	25,909	1,314	4.8	27,234	25,391	723	296	823
20 to 24 years	4,893	57.8	4,874	4,489	386	7.9	3,579	2,827	556	22	175
25 to 54 years	18,208	50.1	18,196	17,379	816	4.5	18,158	17,410	162	154	433
25 to 29 years	3,118	45.2	3,114	2,931	182	5.8	3,775	3,614	64	18	79
30 to 34 years	2,586	44.7	2,584	2,440	143	5.6	3,197	3,084	34	16	63
35 to 39 years	2,759	49.2	2,757	2,627	130	4.7	2,846	2,740	25	18	63
40 to 44 years	3,211	52.9	3,210	3,077	132	4.1	2,865	2,752	17	25	70
45 to 49 years	3,453	55.0	3,452	3,321	131	3.8	2,829	2,712	13	29	75
50 to 54 years	3,080	53.8	3,079	2,981	98	3.2	2,646	2,607	7	48	83
55 to 64 years	4,153	43.0	4,153	4,042	111	2.7	5,496	5,155	5	121	216
55 to 59 years	2,547	49.0	2,547	2,474	73	2.8	2,654	2,502	2	55	94
60 to 64 years	1,606	36.1	1,606	1,568	39	2.4	2,843	2,653	2	65	122
65 years and over	1,056	9.7	1,056	1,023	33	3.1	9,851	8,622	6	561	662
65 to 69 years	644	17.3	644	619	24	3.8	3,073	2,849	2	70	153
70 years and over	412	5.7	412	404	9	2.1	6,778	5,773	5	491	509
White											
16 years and over	27,541	42.6	27,505	26,025	1,480	5.4	37,119	31,753	2,900	689	1,777
16 to 21 years	4,673	50.0	4,655	4,138	518	11.1	4,679	1,498	2,628	16	538
16 to 19 years	2,897	45.6	2,889	2,504	385	13.3	3,451	713	2,278	8	453
16 and 17 years	1,194	36.6	1,194	1,011	183	15.3	2,066	211	1,541	2	313
18 and 19 years	1,703	55.1	1,695	1,493	202	11.9	1,386	502	737	6	140
20 to 64 years	23,691	49.1	23,664	22,600	1,064	4.5	24,568	23,015	616	224	715
20 to 24 years	4,263	57.8	4,246	3,955	291	6.9	3,118	2,474	479	17	149
25 to 54 years	15,695	48.9	15,684	15,008	674	4.3	16,424	15,810	133	110	370
25 to 34 years	4,796	43.2	4,790	4,536	254	5.3	6,305	6,080	78	25	122
35 to 44 years	5,115	49.9	5,112	4,891	221	4.3	5,140	4,960	36	31	112
45 to 54 years	5,783	53.7	5,781	5,582	199	3.4	4,979	4,770	18	54	137
55 to 64 years	3,735	42.6	3,734	3,637	98	2.6	5,026	4,730	4	97	195
55 to 59 years	2,279	48.5	2,279	2,216	64	2.8	2,420	2,288	2	46	85
60 to 64 years	1,455	35.8	1,455	1,421	34	2.4	2,606	2,442	2	51	110
65 years and over	952	9.5	952	921	31	3.3	9,100	8,026	6	457	610
Negro and other races											
16 years and over	4,019	49.5	4,015	3,642	373	9.3	4,095	3,125	543	180	247
16 to 21 years	616	40.9	613	448	166	27.0	888	290	491	5	102
16 to 19 years	353	34.2	351	231	121	34.4	678	153	436	3	87
16 and 17 years	130	24.3	129	82	48	36.9	404	44	305	1	54
18 and 19 years	223	44.8	222	149	73	32.9	274	109	131	2	32
20 to 64 years	3,562	57.2	3,560	3,310	250	7.0	2,666	2,376	107	72	109
20 to 24 years	630	57.7	628	534	94	15.0	461	353	77	5	26
25 to 54 years	2,513	59.2	2,512	2,370	142	5.7	1,735	1,600	28	44	62
25 to 34 years	908	57.6	907	836	71	7.9	667	618	20	8	20
35 to 44 years	855	60.0	855	814	41	4.8	571	532	6	12	21
45 to 54 years	750	60.2	750	720	30	4.0	496	449	2	24	21
55 to 64 years	419	47.1	419	405	14	3.2	470	425	1	24	21
55 to 59 years	268	53.4	268	259	9	3.4	233	214	1	9	9
60 to 64 years	151	39.0	151	147	5	3.0	237	211	--	15	11
65 years and over	104	12.2	104	102	2	1.9	751	596	--	104	52

**HOUSEHOLD DATA
ANNUAL AVERAGES**
A-2: 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	
	1970	1969	1970	1969	1970	1969	1970	1969
MALE								
16 years and over	54,343	53,688	80.6	80.9	51,195	50,221	79.7	79.8
16 to 19 years	4,395	4,282	58.4	58.3	4,006	3,870	56.1	55.9
16 and 17 years	1,840	1,800	47.5	47.7	1,808	1,769	47.0	47.3
18 and 19 years	2,555	2,482	69.9	69.6	2,197	2,100	66.7	65.9
20 to 24 years	7,378	7,088	86.6	86.6	5,709	5,282	83.3	82.8
25 to 54 years	33,279	33,085	96.0	96.2	32,193	31,840	95.8	96.1
25 to 34 years	11,974	11,706	96.6	96.9	11,311	10,940	96.4	96.7
35 to 44 years	10,818	10,946	97.0	97.0	10,464	10,556	96.9	96.9
45 to 54 years	10,487	10,432	94.3	94.6	10,417	10,343	94.2	94.6
55 to 64 years	7,127	7,062	83.0	83.4	7,124	7,058	83.0	83.4
55 to 59 years	4,221	4,172	89.5	89.6	4,218	4,168	89.5	89.6
60 to 64 years	2,906	2,891	75.0	75.8	2,906	2,890	75.0	75.8
65 years and over	2,164	2,170	26.8	27.2	2,164	2,170	26.8	27.2
White								
16 years and over	48,835	48,283	81.0	81.2	46,013	45,185	80.0	80.2
16 to 19 years	3,901	3,779	59.7	59.3	3,550	3,413	57.5	56.8
16 and 17 years	1,656	1,609	49.4	49.2	1,628	1,583	48.9	48.8
18 and 19 years	2,245	2,170	70.7	70.0	1,922	1,830	67.4	66.3
20 to 24 years	6,493	6,245	86.7	86.5	4,983	4,615	83.3	82.6
25 to 54 years	29,946	29,793	96.4	96.6	28,988	28,695	96.3	96.5
25 to 34 years	10,671	10,442	96.9	97.2	10,088	9,773	96.7	97.0
35 to 44 years	9,722	9,855	97.4	97.5	9,413	9,509	97.3	97.4
45 to 54 years	9,553	9,496	94.9	95.2	9,488	9,413	94.9	95.1
55 to 64 years	6,518	6,471	83.3	83.9	6,515	6,467	83.3	83.9
55 to 59 years	3,861	3,818	90.1	90.3	3,858	3,814	90.1	90.3
60 to 64 years	2,658	2,653	75.2	76.2	2,657	2,653	75.1	76.2
65 years and over	1,977	1,995	26.7	27.3	1,977	1,995	26.7	27.3
Negro and other races								
16 years and over	5,507	5,404	77.6	78.1	5,182	5,036	76.5	76.9
16 to 19 years	493	503	49.3	51.9	456	457	47.3	49.5
16 and 17 years	183	191	35.2	38.2	180	187	34.8	37.7
18 and 19 years	310	312	64.6	66.4	275	271	61.8	63.2
20 to 24 years	885	844	86.1	87.3	725	667	83.5	84.4
25 to 54 years	3,332	3,291	92.2	92.6	3,205	3,145	91.9	92.3
25 to 34 years	1,303	1,263	94.1	94.8	1,223	1,167	93.7	94.4
35 to 44 years	1,095	1,091	93.5	93.0	1,052	1,048	93.2	92.7
45 to 54 years	934	937	88.2	89.5	929	931	88.2	89.5
55 to 64 years	609	592	79.2	77.9	609	592	79.2	77.9
55 to 59 years	361	354	83.5	83.0	360	354	83.5	83.0
60 to 64 years	248	238	73.6	71.2	248	238	73.6	71.2
65 years and over	188	175	27.4	26.1	188	175	27.4	26.1

**HOUSEHOLD DATA
ANNUAL AVERAGES**

A-2: 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	
	1970	1969	1970	1969	1970	1969	1970	1969
FEMALE								
16 years and over	31,560	30,551	43.4	42.7	31,520	30,512	43.3	42.7
16 to 19 years	3,250	3,109	44.0	43.3	3,241	3,099	44.0	43.2
16 and 17 years	1,324	1,240	34.9	33.7	1,324	1,240	34.9	33.7
18 and 19 years	1,926	1,869	53.7	53.5	1,917	1,860	53.6	53.4
20 to 24 years	4,893	4,615	57.8	56.8	4,874	4,597	57.7	56.7
25 to 54 years	18,208	17,693	50.1	49.1	18,196	17,683	50.1	49.1
25 to 34 years	5,704	5,401	45.0	43.8	5,698	5,395	45.0	43.7
35 to 44 years	5,971	5,905	51.1	49.9	5,967	5,901	51.1	49.9
45 to 54 years	6,533	6,388	54.4	53.8	6,531	6,386	54.4	53.8
55 to 64 years	4,153	4,077	43.0	43.1	4,153	4,077	43.0	43.1
55 to 59 years	2,547	2,539	49.0	49.7	2,547	2,538	49.0	49.7
60 to 64 years	1,606	1,538	36.1	35.3	1,606	1,538	36.1	35.3
65 years and over	1,056	1,056	9.7	9.9	1,056	1,057	9.7	9.9
White								
16 years and over	27,541	26,629	42.6	41.9	27,505	26,593	42.6	41.8
16 to 19 years	2,897	2,764	45.6	44.7	2,889	2,755	45.6	44.6
16 and 17 years	1,194	1,115	36.6	35.2	1,194	1,115	36.6	35.2
18 and 19 years	1,703	1,649	55.1	54.8	1,695	1,640	55.0	54.6
20 to 24 years	4,263	4,015	57.8	56.5	4,246	3,999	57.7	56.4
25 to 54 years	15,695	15,227	48.9	47.8	15,684	15,216	48.8	47.8
25 to 34 years	4,796	4,522	43.2	41.8	4,790	4,516	43.2	41.7
35 to 44 years	5,115	5,059	49.9	48.6	5,112	5,055	49.9	48.6
45 to 54 years	5,783	5,646	53.7	53.0	5,781	5,645	53.7	53.0
55 to 64 years	3,735	3,665	42.6	42.6	3,734	3,665	42.6	42.6
55 to 59 years	2,279	2,271	48.5	49.1	2,279	2,271	48.5	49.1
60 to 64 years	1,455	1,394	35.8	35.1	1,455	1,394	35.8	35.1
65 years and over	952	958	9.5	9.7	952	958	9.5	9.7
Negro and other races								
16 years and over	4,019	3,922	49.5	49.8	4,015	3,918	49.5	49.8
16 to 19 years	353	345	34.2	34.7	351	344	34.1	34.6
16 and 17 years	130	125	24.3	24.4	129	125	24.3	24.4
18 and 19 years	223	220	44.8	45.5	222	219	44.7	45.4
20 to 24 years	630	600	57.7	58.7	628	598	57.7	58.6
25 to 54 years	2,513	2,466	59.2	59.3	2,512	2,465	59.1	59.2
25 to 34 years	908	879	57.6	57.9	907	878	57.6	57.8
35 to 44 years	855	846	60.0	59.5	855	846	59.9	59.5
45 to 54 years	750	741	60.2	60.8	750	741	60.2	60.8
55 to 64 years	419	412	47.1	47.5	419	412	47.1	47.5
55 to 59 years	268	268	53.4	54.8	268	268	53.4	54.8
60 to 64 years	151	144	39.0	38.1	151	144	39.0	38.1
65 years and over	104	99	12.2	11.9	104	99	12.2	11.9

HOUSEHOLD DATA ANNUAL AVERAGES

A- 3: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex

1970
(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	21,905	11,049	10,856	18,948	9,596	9,352	2,957	1,453	1,504
Total labor force	12,551	7,263	5,288	11,079	6,406	4,673	1,472	857	616
Percent of population	57.3	65.7	48.7	58.5	66.8	50.0	49.8	59.0	40.9
Civilian labor force	11,217	5,949	5,269	9,880	5,225	4,655	1,337	724	613
Employed	9,722	5,137	4,585	8,714	4,577	4,138	1,008	560	448
Agriculture	477	411	66	421	365	56	56	46	10
Nonagricultural industries	9,245	4,726	4,519	8,293	4,212	4,082	951	514	437
Unemployed	1,495	812	684	1,166	648	518	329	164	166
Percent of labor force	13.3	13.6	13.0	11.8	12.4	11.1	24.6	22.6	27.0
Looking for full-time work	950	507	443	711	387	324	239	120	120
Looking for part-time work	545	305	240	455	261	194	90	44	46
Not in labor force	9,354	3,787	5,567	7,869	3,190	4,679	1,484	596	888
Major activity: going to school									
Civilian labor force	2,839	1,623	1,215	2,597	1,488	1,110	242	136	106
Employed	2,387	1,353	1,034	2,223	1,256	966	164	96	68
Agriculture	127	115	12	119	108	11	8	7	1
Nonagricultural industries	2,260	1,237	1,023	2,104	1,148	955	156	89	67
Unemployed	452	271	181	375	231	144	77	40	37
Percent of labor force	15.9	16.7	14.9	14.4	15.5	12.9	32.0	29.3	35.4
Looking for full-time work	62	36	26	48	28	19	14	7	7
Looking for part-time work	390	235	155	327	203	124	63	32	30
Not in labor force	6,171	3,052	3,119	5,227	2,600	2,628	943	452	491
Major activity: other									
Civilian labor force	8,378	4,325	4,053	7,283	3,737	3,546	1,095	588	507
Employed	7,335	3,784	3,551	6,492	3,320	3,171	843	464	379
Agriculture	350	295	54	302	257	45	48	39	9
Nonagricultural industries	6,985	3,489	3,496	6,190	3,064	3,126	795	425	370
Unemployed	1,044	541	503	791	417	374	252	124	128
Percent of labor force	12.5	12.5	12.4	10.9	11.2	10.6	23.0	21.1	25.3
Looking for full-time work	888	471	417	663	359	304	225	112	113
Looking for part-time work	155	70	85	128	58	70	27	12	16
Not in labor force	3,183	735	2,449	2,642	590	2,052	541	144	397

A- 4: 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	
	1970	1969	1970	1969	1970	1969	1970	1969
	Total							
Total noninstitutional population	140,182	137,841	59,878	59,024	65,394	64,299	14,910	14,517
Total labor force	85,903	84,239	49,948	49,406	28,310	27,442	7,644	7,391
Percent of population	61.3	61.1	83.4	83.7	43.3	42.7	51.3	50.9
Civilian labor force	82,715	80,733	47,189	46,351	28,279	27,413	7,246	6,969
Employed	78,627	77,902	45,553	45,388	26,932	26,397	6,141	6,117
Agriculture	3,462	3,606	2,527	2,636	549	593	386	377
Nonagricultural industries	75,165	74,296	43,026	42,752	26,384	25,804	5,755	5,740
Unemployed	4,088	2,831	1,636	963	1,347	1,016	1,105	852
Percent of labor force	4.9	3.5	3.5	2.1	4.8	3.7	15.3	12.2
Not in labor force	54,280	53,602	9,930	9,619	37,085	36,857	7,266	7,126
White								
Total noninstitutional population	124,970	123,046	53,781	53,075	58,311	57,416	12,878	12,554
Total labor force	76,376	74,912	44,934	44,504	24,643	23,865	6,798	6,543
Percent of population	61.1	60.9	83.6	83.9	42.3	41.6	52.8	52.1
Civilian labor force	73,518	71,778	42,463	41,772	24,616	23,838	6,439	6,168
Employed	70,182	69,518	41,093	40,978	23,521	23,032	5,568	5,508
Agriculture	3,094	3,220	2,263	2,367	492	525	339	328
Nonagricultural industries	67,088	66,298	38,829	38,611	23,029	22,508	5,229	5,180
Unemployed	3,337	2,260	1,371	794	1,095	806	871	660
Percent of labor force	4.5	3.1	3.2	1.9	4.4	3.4	13.5	10.7
Not in labor force	48,594	48,133	8,847	8,571	33,668	33,551	6,079	6,011
Negro and other races								
Total noninstitutional population	15,212	14,795	6,097	5,949	7,083	6,883	2,032	1,963
Total labor force	9,526	9,326	5,014	4,901	3,666	3,577	846	848
Percent of population	62.6	63.0	82.2	82.4	51.8	52.0	41.6	43.2
Civilian labor force	9,197	8,954	4,726	4,579	3,664	3,574	807	801
Employed	8,445	8,384	4,461	4,410	3,412	3,365	573	609
Agriculture	368	386	264	269	57	68	47	49
Nonagricultural industries	8,077	7,997	4,197	4,141	3,355	3,297	526	559
Unemployed	752	570	265	169	252	209	235	192
Percent of labor force	8.2	6.4	5.6	3.7	6.9	5.8	29.1	24.0
Not in labor force	5,686	5,468	1,083	1,048	3,417	3,306	1,186	1,115

HOUSEHOLD DATA ANNUAL AVERAGES

120

A- 5: Full- and part-time status of the civilian labor force by age and sex

1970

(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	71,019	65,376	2,443	3,201	4.5	11,696	10,808	887	7.6
16 to 21 years	7,124	5,592	582	950	13.3	4,093	3,548	545	13.3
16 to 19 years	3,879	2,827	426	625	16.1	3,367	2,888	480	14.2
16 and 17 years	1,001	607	190	204	20.4	2,131	1,799	332	15.6
18 and 19 years	2,877	2,220	236	421	14.6	1,237	1,089	148	12.0
20 years and over	67,141	62,548	2,017	2,576	3.8	8,328	7,921	408	4.9
20 to 24 years	9,190	8,091	357	742	8.1	1,393	1,271	123	8.8
25 years and over	57,951	54,457	1,660	1,834	3.2	6,935	6,650	285	4.1
25 to 54 years	45,956	43,234	1,213	1,509	3.3	4,433	4,234	198	4.5
55 years and over	11,995	11,223	447	326	2.7	2,503	2,415	87	3.5
MALE									
16 years and over	47,111	43,986	1,295	1,830	3.9	4,085	3,679	406	9.9
16 to 21 years	3,785	2,962	316	507	13.4	2,163	1,858	305	14.1
16 to 19 years	2,178	1,607	241	330	15.2	1,828	1,559	269	14.7
20 years and over	44,932	42,379	1,054	1,500	3.3	2,257	2,120	137	6.1
20 to 24 years	5,088	4,482	190	416	8.2	621	558	63	10.1
25 years and over	39,844	37,897	864	1,084	2.7	1,636	1,562	74	4.5
25 to 54 years	31,670	30,198	612	861	2.7	523	493	29	5.5
55 years and over	8,174	7,699	252	223	2.7	1,114	1,069	46	4.1
FEMALE									
16 years and over	23,909	21,390	1,147	1,371	5.7	7,611	7,129	482	6.3
16 to 21 years	3,339	2,629	266	443	13.3	1,930	1,689	240	12.4
16 to 19 years	1,701	1,221	185	295	17.4	1,540	1,329	211	13.7
20 years and over	22,208	20,169	963	1,076	4.8	6,071	5,800	271	4.5
20 to 24 years	4,102	3,609	167	326	7.9	772	713	60	7.7
25 years and over	18,106	16,560	796	750	4.1	5,299	5,087	211	4.0
25 to 54 years	14,286	13,037	600	648	4.5	3,910	3,741	169	4.3
55 years and over	3,821	3,524	195	103	2.7	1,388	1,347	42	3.0

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

**HOUSEHOLD DATA
ANNUAL AVERAGES**
A- 6: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	1970	1969	1970	1969	1970	1969	1970	1969
Total, 16 years and over	2,235	1,403	4.4	2.8	1,853	1,428	5.9	4.7
16 to 19 years	599	440	15.0	11.4	506	412	15.6	13.3
16 and 17 years	305	243	16.9	13.7	231	192	17.4	15.5
18 and 19 years	294	196	13.4	9.3	275	220	14.4	11.8
20 years and over	1,636	963	3.5	2.1	1,347	1,016	4.8	3.7
20 to 24 years	478	270	8.4	5.1	386	290	7.9	6.3
25 years and over	1,158	692	2.8	1.7	961	726	4.1	3.2
25 to 34 years	390	205	3.4	1.9	326	248	5.7	4.6
35 to 44 years	253	155	2.4	1.4	262	203	4.4	3.4
45 to 54 years	247	157	2.4	1.5	229	163	3.5	2.6
55 to 64 years	197	127	2.8	1.8	111	89	2.7	2.2
55 to 59 years	124	79	2.9	1.9	73	59	2.8	2.3
60 to 64 years	74	48	2.5	1.7	39	29	2.4	1.9
65 years and over	71	48	3.3	2.2	33	24	3.1	2.3
Household head, 16 years and over	1,137	673	2.7	1.6	281	213	4.3	3.4
16 to 24 years	170	94	5.2	3.1	51	30	7.7	5.0
25 to 54 years	715	415	2.4	1.4	164	134	4.5	3.8
55 years and over	251	164	2.8	1.8	66	49	3.0	2.2

A- 7: 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	
	1970	1969	1970	1969	1970	1969	1970	1969
Total, 16 years and over	2,235	1,403	4.4	2.8	1,853	1,428	5.9	4.7
Married, spouse present	1,001	582	2.6	1.5	902	689	4.9	3.9
Widowed, divorced, or separated	177	107	6.4	4.0	300	228	5.2	4.0
Single (never married)	1,057	714	11.2	8.0	652	512	9.0	7.3
Total, 20 to 64 years of age	1,565	915	3.5	2.1	1,314	991	4.8	3.8
Married, spouse present	927	536	2.5	1.5	834	629	4.7	3.7
Widowed, divorced, or separated	162	94	6.6	4.0	263	197	5.1	3.9
Single (never married)	475	285	8.5	5.5	218	165	5.1	4.0
White, 16 years and over	1,856	1,137	4.0	2.5	1,480	1,124	5.4	4.2
Married, spouse present	870	499	2.4	1.4	769	580	4.7	3.7
Widowed, divorced, or separated	139	81	6.3	3.8	221	162	4.8	3.5
Single (never married)	848	558	10.3	7.1	490	381	7.7	6.2
White, 20 to 64 years of age	1,307	751	3.2	1.9	1,064	783	4.5	3.4
Married, spouse present	802	455	2.4	1.4	714	530	4.5	3.5
Widowed, divorced, or separated	126	71	6.5	3.9	190	136	4.7	3.4
Single (never married)	379	226	7.8	5.0	159	118	4.3	3.3
Negro and other races, 16 years and over	379	266	7.3	5.3	373	304	9.3	7.8
Married, spouse present	131	84	3.9	2.5	133	108	6.7	5.6
Widowed, divorced, or separated	38	26	6.7	4.5	79	66	6.8	5.8
Single (never married)	209	156	17.1	13.9	161	130	18.3	15.0
Negro and other races, 20 to 64 years of age	258	162	5.7	3.7	250	208	7.0	6.0
Married, spouse present	125	81	3.9	2.5	119	99	6.2	5.3
Widowed, divorced, or separated	36	23	6.9	4.4	72	62	6.7	5.9
Single (never married)	98	60	12.5	8.8	59	47	10.3	8.3

**HOUSEHOLD DATA
ANNUAL AVERAGES**

A- 8: Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	1970	1969	1970	1969	1970	1969	1970	1969
Total.....	4,088	2,831	4.9	3.5	4.4	2.8	5.9	4.7
White-collar workers.....	1,113	780	2.8	2.1	2.0	1.2	3.8	3.0
Professional and technical.....	227	144	2.0	1.3	1.8	1.0	2.3	1.9
Managers, officials, and proprietors.....	112	76	1.3	.9	1.2	.8	2.1	1.9
Clerical workers.....	579	420	4.0	3.0	3.4	2.2	4.3	3.3
Sales workers.....	195	140	3.9	2.9	2.7	1.8	5.3	4.3
Blue-collar workers.....	1,846	1,155	6.2	3.9	5.6	3.4	9.2	6.5
Craftsmen and foremen.....	398	226	3.8	2.2	3.8	2.1	3.9	3.4
Carpenters and other construction craftsmen.....	197	111	6.7	3.8	6.7	3.8	(1)	(1)
All other.....	201	115	2.6	1.5	2.6	1.5	4.0	3.3
Operatives.....	1,057	664	7.1	4.4	5.9	3.4	9.5	6.6
Drivers and deliverymen.....	121	72	4.6	2.7	4.6	2.7	4.7	3.2
All other.....	936	592	7.6	4.8	6.4	3.6	9.6	6.7
Nonfarm laborers.....	391	265	9.5	6.7	9.4	6.6	11.8	8.6
Construction laborers.....	132	90	13.9	10.1	13.8	10.1	--	--
All other.....	259	175	8.2	5.8	8.0	5.6	10.7	9.0
Service workers.....	541	420	5.3	4.2	5.1	4.0	5.4	4.4
Private household.....	69	61	4.2	3.6	(1)	(1)	4.3	3.6
All other.....	472	359	5.5	4.3	5.1	4.0	5.7	4.6
Farmers and farm laborers.....	83	63	2.6	1.9	2.3	1.6	3.8	3.1
No previous work experience.....	506	413	--	--	--	--	--	--
16 to 19 years.....	402	331	--	--	--	--	--	--
20 to 24 years.....	65	50	--	--	--	--	--	--
25 years and over.....	38	32	--	--	--	--	--	--

¹Percent not shown where base is less than 50,000.

A- 9: Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	1970	1969	1970	1969	1970	1969	1970	1969
Total.....	100.0	100.0	4.9	3.5	4.4	2.8	5.9	4.7
Private wage and salary workers.....	77.0	73.0	5.2	3.5	4.8	2.9	6.0	4.5
Mining.....	.4	.5	3.1	2.9	3.0	2.8	(1)	(1)
Construction.....	9.3	7.9	9.7	6.0	9.8	6.1	7.4	3.8
Manufacturing.....	29.2	24.9	5.6	3.3	4.5	2.4	8.1	5.5
Durable goods.....	17.6	13.5	5.7	3.0	5.0	2.4	8.4	5.3
Primary metal industries.....	1.3	1.0	3.9	2.2	3.6	1.8	6.9	6.1
Fabricated metal products.....	2.4	1.9	5.8	3.2	4.7	2.6	10.0	5.5
Machinery.....	2.6	1.8	4.4	2.2	4.0	1.9	6.5	3.6
Electrical equipment.....	3.0	2.2	5.8	3.0	3.7	1.9	8.8	4.6
Motor vehicles and equipment.....	2.0	1.2	7.0	3.0	6.8	2.7	8.2	5.0
All other transportation equipment.....	2.2	1.6	7.6	3.6	7.1	3.0	11.3	7.3
Other durable goods industries.....	4.1	3.7	6.2	3.8	5.6	2.8	7.8	6.6
Nondurable goods.....	11.6	11.4	5.4	3.7	3.8	2.3	7.9	5.7
Food and kindred products.....	2.8	2.9	6.3	4.5	5.0	2.9	10.1	8.7
Textile mill products.....	1.5	1.6	6.0	4.2	3.9	2.8	8.3	5.8
Apparel and other finished textile products.....	2.9	3.0	8.2	5.9	7.5	5.6	8.4	6.0
Other nondurable goods industries.....	4.4	3.9	4.0	2.5	2.9	1.7	6.6	4.4
Transportation and public utilities.....	3.7	3.5	3.2	2.2	3.2	2.0	3.5	2.9
Railroads and railway express.....	.3	.4	2.1	1.6	2.1	1.6	(1)	(1)
Other transportation.....	2.3	2.1	4.8	3.0	4.9	2.8	3.8	4.1
Communication and other public utilities.....	1.0	1.0	2.1	1.5	1.4	1.1	3.5	2.4
Wholesale and retail trade.....	17.9	18.7	5.3	4.1	4.3	3.2	6.7	5.3
Finance, insurance, and real estate.....	2.5	2.6	2.8	2.1	2.2	1.5	3.3	2.7
Service industries.....	14.0	14.8	4.7	3.5	4.5	3.0	4.7	3.8
Professional services.....	4.6	4.6	3.1	2.3	2.8	1.6	3.2	2.6
All other service industries.....	9.5	10.3	6.2	4.7	5.9	4.1	6.4	5.0
Agricultural wage and salary workers.....	2.3	2.7	7.5	6.1	6.9	5.1	11.1	10.6
All other classes of workers.....	8.4	9.7	1.6	1.3	1.3	1.0	2.2	2.0
No previous work experience.....	12.4	14.6	--	--	--	--	--	--

HOUSEHOLD DATA ANNUAL AVERAGES

A-10: 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	
	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969
Unemployment level												
Total unemployed, in thousands	4,088	2,831	1,636	963	1,347	1,015	1,105	853	3,337	2,261	752	570
Lost last job	1,809	1,017	1,065	556	545	335	200	126	1,502	816	308	200
Left last job	549	436	209	164	214	171	126	101	456	357	93	79
Reentered labor force	1,227	965	318	216	530	455	379	294	982	767	244	198
Never worked before	503	413	44	27	58	55	401	331	396	321	107	93
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	44.3	35.9	65.1	57.8	40.4	33.0	18.1	14.8	45.0	36.1	40.9	35.1
Left last job	13.4	15.4	12.8	17.0	15.9	16.8	11.4	11.9	13.7	15.8	12.3	13.9
Reentered labor force	30.0	34.1	19.4	22.4	39.4	44.8	34.3	34.5	29.4	33.9	32.5	34.7
Never worked before	12.3	14.6	2.7	2.8	4.3	5.5	36.2	38.8	11.9	14.2	14.3	16.2
Unemployment rate												
Total unemployment rate	4.9	3.5	3.5	2.1	4.8	3.7	15.3	12.2	4.5	3.1	8.2	6.4
Job-loser rate ¹	2.2	1.2	2.2	1.2	1.9	1.2	2.8	1.8	2.1	1.1	3.3	2.3
Job-leaver rate ¹ . . . . .	.7	.5	.4	.4	.8	.6	1.7	1.5	.6	.5	1.0	.9
Reentrant rate ¹	1.5	1.2	.7	.5	1.9	1.7	5.2	4.2	1.3	1.1	2.7	2.2
New entrant rate ¹ . . . . .	.6	.5	.1	.1	.2	.2	5.5	4.8	.5	.4	1.2	1.0

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

A-11: Unemployed persons by reason for unemployment, duration, sex, and age

1970

(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	4,088	100.0	52.3	31.5	16.1	10.4	5.7
Lost last job	1,809	100.0	44.6	34.7	20.7	13.4	7.3
Left last job	549	100.0	57.3	28.5	14.3	8.6	5.7
Reentered labor force	1,227	100.0	59.4	28.6	12.0	7.7	4.3
Never worked before	503	100.0	57.1	30.4	12.5	8.7	3.8
Male, 20 years and over	1,636	100.0	45.4	34.1	20.5	12.3	8.2
Lost last job	1,065	100.0	42.5	35.5	22.0	13.6	8.4
Left last job	209	100.0	50.7	30.6	18.7	9.6	9.1
Reentered labor force	318	100.0	51.4	32.2	16.4	9.8	6.6
Never worked before	44	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,347	100.0	54.5	29.3	16.2	10.4	5.8
Lost last job	545	100.0	42.8	34.6	22.7	15.3	7.4
Left last job	214	100.0	58.7	27.7	13.7	8.5	5.2
Reentered labor force	530	100.0	64.2	24.9	10.9	6.4	4.5
Never worked before	58	100.0	62.1	24.1	13.8	8.6	5.2
Both sexes, 16 to 19 years	1,105	100.0	59.8	30.4	9.8	7.7	2.1
Lost last job	200	100.0	60.0	31.5	8.5	7.0	1.5
Left last job	126	100.0	65.9	26.2	7.9	6.3	1.6
Reentered labor force	379	100.0	59.9	30.8	9.3	7.4	1.9
Never worked before	401	100.0	57.9	30.9	11.2	8.5	2.7

¹Percent not shown where base is less than 50,000

A-12: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	1970	1969	1970	1969	1970	1969	1970	1969
Total	4,088	2,831	100.0	100.0	1,418	886	100.0	100.0
Less than 5 weeks	2,137	1,629	52.3	57.5	639	446	45.1	50.4
5 to 14 weeks	1,289	827	31.5	29.2	481	278	33.9	31.3
5 to 10 weeks	958	627	23.4	22.1	343	206	24.2	23.2
11 to 14 weeks	331	200	8.1	7.1	138	72	9.7	8.1
15 weeks and over	662	375	16.2	13.3	298	162	21.0	18.3
15 to 26 weeks	427	242	10.4	8.5	176	98	12.4	11.0
27 weeks and over	235	133	5.7	4.7	122	65	8.6	7.3
Average (mean) duration	8.8	7.9	--	--	10.6	10.0	--	--

**A-13: Unemployed persons by duration, sex, age, color, and marital status
1970**

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		1970	1969	1970	1969
16 to 21 years	1,495	884	459	115	37	6.6	59.1	63.4	10.2	8.2
16 to 19 years	1,105	661	336	85	23	6.4	59.8	63.2	9.8	7.8
20 to 24 years	864	483	269	75	37	7.5	55.9	62.5	12.9	9.9
25 to 44 years	1,230	623	390	137	81	9.3	50.7	56.5	17.7	14.4
45 years and over	888	370	293	129	95	12.2	41.7	46.5	25.3	22.5
Male	2,235	1,092	746	250	147	9.5	48.8	55.1	17.8	14.5
16 to 21 years	812	465	259	66	22	6.9	57.2	63.3	10.9	8.1
16 to 19 years	599	349	188	48	13	6.7	58.3	63.6	10.2	7.8
20 to 24 years	478	257	156	43	22	7.9	53.6	61.7	13.7	10.5
25 to 44 years	643	290	228	77	48	10.0	45.1	51.7	19.4	15.8
45 years and over	515	195	174	82	64	13.6	37.9	42.0	28.3	24.9
Female	1,853	1,046	542	177	88	7.9	56.4	59.9	14.3	12.1
16 to 21 years	684	419	200	49	15	6.3	61.3	63.5	9.4	8.4
16 to 19 years	506	312	148	37	10	6.1	61.6	62.8	9.3	7.8
20 to 24 years	386	226	113	32	14	7.1	58.7	63.2	12.0	9.3
25 to 44 years	588	332	163	59	33	8.5	56.5	60.0	15.6	13.3
45 years and over	373	175	120	48	31	10.3	46.9	52.0	21.1	19.5
White: Total	3,337	1,758	1,041	350	188	8.7	52.7	58.1	16.1	13.1
Male	1,856	914	611	208	123	9.5	49.2	55.3	17.9	14.7
Female	1,480	844	429	142	65	7.7	57.0	61.0	14.0	11.5
Negro and other races: Total	752	379	248	77	47	9.0	50.5	55.3	16.5	13.9
Male	379	178	135	42	24	9.5	47.0	54.5	17.5	13.6
Female	373	201	113	35	23	8.6	54.0	56.1	15.6	14.1
Male: Married, wife present	1,001	448	348	124	81	10.3	44.7	49.5	20.4	18.8
Widowed, divorced, or separated	177	72	63	26	15	2.9	40.7	50.4	23.5	18.5
Single (never married)	1,057	572	334	100	51	8.4	54.1	60.4	14.3	10.3
Female: Married, husband present	902	520	250	87	44	7.8	57.7	60.7	14.5	13.1
Widowed, divorced, or separated	300	150	98	32	20	3.0	50.1	56.4	17.2	13.8
Single (never married)	652	375	194	58	24	7.4	57.6	60.4	12.6	9.9

HOUSEHOLD DATA
ANNUAL AVERAGESA-14: Unemployed persons by duration, occupation, and industry of last job
1970

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		1970	1969	1970	1969
	OCCUPATION									
White-collar workers	1,113	582	346	111	75	9.1	52.3	58.1	16.7	13.5
Professional and managerial	339	161	108	35	35	10.9	47.5	55.0	20.6	16.4
Clerical workers	579	312	178	59	30	8.4	53.9	59.3	15.4	12.0
Sales workers	195	109	59	16	10	8.2	56.1	59.7	13.6	14.0
Blue-collar workers	1,846	912	609	213	112	9.0	49.4	55.2	17.6	14.6
Craftsmen and foremen	398	183	137	51	28	9.6	45.9	53.5	19.8	14.6
Operatives	1,057	526	348	119	64	9.0	49.7	54.8	17.3	15.6
Nonfarm laborers	391	204	124	43	20	8.7	52.2	57.5	16.0	11.9
Service workers	541	304	160	51	27	8.4	56.2	59.6	14.2	13.2
INDUSTRY¹										
Agriculture	94	55	26	10	3	7.7	58.9	60.8	14.0	13.8
Construction	394	191	132	53	17	8.7	48.5	52.6	17.9	14.7
Manufacturing	1,197	567	398	143	89	9.7	47.4	55.1	19.3	15.2
Durable goods	722	315	258	91	57	10.1	43.7	52.7	20.6	16.0
Nondurable goods	475	252	141	51	32	9.1	52.9	57.9	17.5	14.2
Transportation and public utilities	163	86	52	13	12	9.4	52.8	56.5	15.4	14.0
Wholesale and retail trade	736	403	229	71	34	8.0	54.7	59.1	14.2	12.7
Finance and service industries	823	453	244	76	50	8.7	55.0	59.4	15.2	13.2
Public administration	100	51	31	11	7	9.4	51.0	55.1	17.7	.9
No previous work experience	506	290	153	44	19	7.4	57.3	60.2	12.5	9.0

¹Includes wage and salary workers only.A-15: Employed persons by sex and age
(In thousands)

Age and type of industry	Total		Male		Female	
	1970	1969	1970	1969	1970	1969
	All industries					
16 to 19 years	78,627	77,902	48,960	48,818	29,667	29,084
16 and 17 years	6,141	6,117	3,407	3,430	2,734	2,687
18 and 19 years	2,596	2,573	1,503	1,526	1,093	1,047
20 to 24 years	3,545	3,543	1,904	1,904	1,641	1,639
25 to 34 years	9,719	9,319	5,230	5,012	4,489	4,307
35 to 44 years	48,682	48,393	31,303	31,324	17,379	17,069
45 to 54 years	16,293	15,883	10,921	10,736	5,372	5,147
55 to 64 years	15,916	16,100	10,211	10,401	5,705	5,699
65 years and over	16,473	16,410	10,171	10,187	6,302	6,223
Nonagricultural industries	10,968	10,919	6,926	6,931	4,042	3,988
16 to 19 years	6,568	6,568	4,094	4,089	2,474	2,479
18 and 19 years	4,400	4,351	2,832	2,842	1,568	1,509
20 to 24 years	3,117	3,155	2,094	2,122	1,023	1,033
25 to 34 years	75,165	74,296	46,099	45,855	29,066	28,441
16 and 17 years	5,755	5,740	3,073	3,103	2,682	2,637
18 and 19 years	2,367	2,340	1,309	1,324	1,058	1,015
20 to 24 years	3,388	3,400	1,764	1,778	1,624	1,621
25 to 34 years	9,487	9,100	5,034	4,828	4,452	4,272
35 to 44 years	46,980	46,577	29,962	29,916	17,019	16,661
45 to 54 years	15,840	15,402	10,557	10,359	5,283	5,043
55 to 64 years	15,358	15,485	9,781	9,930	5,578	5,555
65 years and over	15,782	15,690	9,624	9,627	6,158	6,063
Agriculture	10,296	10,205	6,362	6,324	3,934	3,881
16 to 19 years	6,221	6,188	3,814	3,774	2,407	2,414
18 and 19 years	4,075	4,017	2,549	2,549	1,526	1,467
20 to 24 years	2,647	2,674	1,668	1,684	979	990
25 to 34 years	3,462	3,606	2,861	2,963	601	643
35 to 44 years	386	377	334	327	52	50
45 to 54 years	229	234	194	201	35	32
55 to 64 years	157	144	140	126	17	18
65 years and over	232	219	196	184	36	35
Nonagricultural industries	1,702	1,815	1,342	1,406	360	408
16 to 19 years	453	481	364	376	89	105
18 and 19 years	558	615	431	471	127	143
20 to 24 years	691	719	547	559	144	160
25 to 34 years	672	714	564	607	108	107
35 to 44 years	348	380	280	315	67	65
45 to 54 years	325	334	283	293	41	41
55 to 64 years	470	481	426	438	44	43

**HOUSEHOLD DATA
ANNUAL AVERAGES**

A-16: 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	
	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969
Total	78,627	77,902	45,553	45,388	26,932	26,397	3,407	3,430	2,734	2,687
White-collar workers	37,997	36,845	19,387	18,906	16,436	15,772	667	667	1,508	1,498
Professional and technical	11,140	10,769	6,757	6,652	4,213	3,932	84	98	85	86
Medical and other health	1,743	1,691	647	665	1,069	1,002	4	4	21	20
Teachers, except college.....	2,479	2,312	779	713	1,691	1,591	4	2	6	6
Other professional and technical	6,918	6,766	5,332	5,275	1,453	1,340	77	92	58	59
Managers, officials, and proprietors	8,289	7,987	6,931	6,694	1,309	1,249	37	32	11	11
Salaried workers	6,045	5,692	5,091	4,805	909	849	35	29	10	10
Self-employed workers in retail trade.....	1,096	1,094	839	841	255	249	2	2	1	1
Self-employed workers, except retail trade	1,148	1,201	1,001	1,047	146	152	1	1	--	--
Clerical workers	13,714	13,397	3,181	3,109	9,135	8,869	301	313	1,098	1,106
Stenographers, typists, and secretaries....	3,504	3,449	53	48	3,137	3,080	4	5	309	317
Other clerical workers	10,211	9,948	3,128	3,062	5,998	5,789	296	308	789	788
Sales workers.....	4,854	4,692	2,518	2,451	1,778	1,722	245	224	313	295
Retail trade.....	2,957	2,862	921	894	1,542	1,502	203	184	291	283
Other sales workers	1,897	1,830	1,597	1,558	236	220	43	40	22	12
Blue-collar workers	27,791	28,237	21,130	21,331	4,502	4,685	1,890	1,932	269	289
Craftsmen and foremen	10,158	10,193	9,569	9,589	319	328	257	265	13	11
Carpenters	830	884	809	859	3	2	18	23	--	--
Construction craftsmen, except carpenters	1,933	1,947	1,866	1,875	13	12	52	59	2	1
Mechanics and repairmen	2,792	2,732	2,652	2,591	23	31	114	109	2	1
Metal craftsmen, except mechanics	1,215	1,227	1,182	1,189	16	20	17	18	1	--
Other craftsmen and kindred workers	1,900	1,894	1,689	1,686	154	152	50	50	8	7
Foremen, not elsewhere classified	1,488	1,508	1,371	1,390	110	112	6	5	--	1
Operatives	13,909	14,372	8,796	9,022	4,072	4,237	809	860	232	252
Drivers and deliverymen	2,510	2,577	2,275	2,355	97	87	131	131	7	4
Other operatives	11,399	11,795	6,521	6,667	3,975	4,150	678	729	225	248
Durable goods manufacturing	4,670	4,913	3,144	3,293	1,293	1,348	174	199	58	74
Nondurable goods manufacturing	3,811	3,947	1,575	1,603	1,998	2,075	125	147	113	122
Other industries	2,917	2,935	1,801	1,772	684	728	379	384	53	52
Nonfarm laborers	3,724	3,672	2,766	2,719	111	120	823	807	24	26
Construction	815	804	683	670	3	2	128	130	1	1
Manufacturing	1,015	1,092	823	878	55	69	132	138	5	7
Other industries	1,894	1,776	1,259	1,171	54	48	563	539	19	18
Service workers	9,712	9,528	2,737	2,730	5,515	5,415	548	527	913	856
Private household workers	1,558	1,631	28	28	1,201	1,289	12	11	318	303
Service workers, except private household ..	8,154	7,897	2,709	2,702	4,314	4,125	536	516	595	554
Protective service workers	968	948	893	872	52	43	15	23	8	9
Waiters, cooks, and bartenders	2,231	2,110	415	400	1,377	1,320	138	133	301	258
Other service workers	4,955	4,838	1,401	1,430	2,886	2,761	383	360	286	286
Farm workers	3,126	3,292	2,299	2,420	480	525	302	303	45	43
Farmers and farm managers	1,753	1,844	1,660	1,754	79	78	13	10	--	1
Farm laborers and foremen	1,373	1,448	640	666	401	447	288	293	44	42
Paid workers	887	931	585	620	98	117	184	175	21	20
Unpaid family workers	486	517	55	47	303	330	104	117	24	23

HOUSEHOLD DATA
ANNUAL AVERAGES

A-17: Employed persons by major occupation group, sex, and color

(Percent distribution)

Occupation group and color	Total		Male		Female	
	1970	1969	1970	1969	1970	1969
Total						
Total employed (thousands)	78,627	77,902	48,960	48,818	29,667	29,084
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.3	47.3	41.0	40.1	60.5	59.4
Professional and technical	14.2	13.8	14.0	13.8	14.5	13.8
Managers, officials, and proprietors	10.5	10.3	14.2	13.8	4.5	4.3
Clerical workers	17.4	17.2	7.1	7.0	34.5	34.3
Sales workers	6.2	6.0	5.6	5.5	7.0	6.9
Blue-collar workers	35.3	36.2	47.0	47.7	16.1	17.1
Craftsmen and foremen	12.9	13.1	20.1	20.2	1.1	1.2
Operatives	17.7	18.4	19.6	20.2	14.5	15.4
Nonfarm laborers	4.7	4.7	7.3	7.2	.5	.5
Service workers	12.4	12.2	6.7	6.7	21.7	21.6
Private household workers	2.0	2.1	.1	.1	5.1	5.5
Other service workers	10.4	10.1	6.6	6.6	16.5	16.1
Farm workers	4.0	4.2	5.3	5.6	1.8	2.0
Farmers and farm managers	2.2	2.4	3.4	3.6	.3	.3
Farm laborers and foremen	1.7	1.9	1.9	2.0	1.5	1.7
White						
Total employed (thousands)	70,182	69,518	44,157	44,048	26,025	25,470
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.8	49.8	43.1	42.2	63.9	63.0
Professional and technical	14.8	14.5	14.6	14.6	15.0	14.4
Managers, officials, and proprietors	11.4	11.1	15.3	14.8	4.8	4.7
Clerical workers	18.0	17.7	7.1	7.0	36.4	36.3
Sales workers	6.7	6.5	6.1	5.9	7.7	7.6
Blue-collar workers	34.5	35.5	45.6	46.3	15.7	16.7
Craftsmen and foremen	13.5	13.6	20.8	20.8	1.2	1.2
Operatives	17.0	17.8	18.7	19.4	14.1	15.0
Nonfarm laborers	4.1	4.0	6.2	6.1	.4	.5
Service workers	10.7	10.5	6.0	5.9	18.7	18.4
Private household workers	1.3	1.3	.1	.1	3.4	3.5
Other service workers	9.4	9.2	6.0	5.9	15.3	14.9
Farm workers	4.0	4.2	5.3	5.5	1.8	1.9
Farmers and farm managers	2.4	2.5	3.6	3.8	.3	.3
Farm laborers and foremen	1.6	1.7	1.7	1.7	1.5	1.7
Negro and other races						
Total employed (thousands)	8,445	8,384	4,803	4,770	3,642	3,614
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	27.9	26.2	21.7	20.5	36.0	33.8
Professional and technical	9.1	8.3	7.8	7.0	10.8	10.0
Managers, officials, and proprietors	3.5	3.0	4.7	4.2	1.9	1.5
Clerical workers	13.2	12.9	7.4	7.6	20.8	20.0
Sales workers	2.1	2.0	1.8	1.8	2.5	2.3
Blue-collar workers	42.2	42.8	59.6	60.1	19.2	20.0
Craftsmen and foremen	8.2	8.5	13.8	14.2	.8	.9
Operatives	23.7	23.9	28.4	28.2	17.6	18.3
Nonfarm laborers	10.3	10.5	17.5	17.8	.7	.8
Service workers	26.0	26.7	13.1	13.5	43.1	44.2
Private household workers	7.7	8.5	.3	.3	17.5	19.4
Other service workers	18.3	18.2	12.8	13.2	25.6	24.8
Farm workers	3.9	4.2	5.6	5.9	1.7	2.0
Farmers and farm managers	1.0	1.0	1.7	1.6	.1	.2
Farm laborers and foremen	2.9	3.2	3.9	4.3	1.5	1.8

**HOUSEHOLD DATA
ANNUAL AVERAGES**

128

A-18: Employed persons by class of worker, sex, and age
1970
(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	69,446	1,754	12,424	55,267	5,217	502	1,153	1,810	499
16 to 19 years	5,656	393	527	4,735	64	35	240	17	129
16 and 17 years	2,307	307	187	1,813	40	20	135	6	87
18 and 19 years	3,349	86	340	2,923	24	15	104	11	42
20 to 24 years	9,292	98	1,530	7,664	176	18	145	47	40
25 to 34 years	14,972	152	2,652	12,167	797	71	197	201	55
35 to 44 years	14,113	207	2,648	11,258	1,136	110	179	294	85
45 to 54 years	14,235	316	2,902	11,017	1,388	159	167	428	95
55 to 64 years	9,099	354	1,848	6,896	1,114	83	148	454	70
55 to 59 years	5,517	191	1,111	4,215	649	55	82	222	43
60 to 64 years	3,581	163	737	2,681	465	28	66	232	27
65 years and over	2,080	233	318	1,529	542	25	77	369	24
Male	42,116	189	6,781	35,145	3,929	53	979	1,722	160
16 to 19 years	3,004	72	232	2,700	42	26	213	17	105
16 and 17 years	1,263	60	97	1,107	30	16	118	6	70
18 and 19 years	1,741	12	136	1,593	12	10	94	11	35
20 to 24 years	4,920	10	639	4,271	107	8	123	45	27
25 to 34 years	9,969	10	1,519	8,440	582	6	163	194	7
35 to 44 years	8,890	12	1,525	7,354	888	3	140	285	6
45 to 54 years	8,555	16	1,648	6,891	1,066	2	137	407	4
55 to 64 years	5,519	32	1,019	4,469	841	2	132	429	3
55 to 59 years	3,325	16	614	2,695	488	1	73	207	1
60 to 64 years	2,195	16	405	1,774	353	1	60	222	2
65 years and over	1,258	39	198	1,020	404	6	71	347	8
Female	27,330	1,565	5,643	20,122	1,288	449	174	88	339
16 to 19 years	2,651	321	295	2,035	22	9	27	-	24
16 and 17 years	1,044	247	91	705	10	4	17	-	17
18 and 19 years	1,608	74	204	1,330	12	5	10	-	7
20 to 24 years	4,373	88	891	3,393	69	10	22	2	13
25 to 34 years	5,002	143	1,132	3,727	215	65	33	8	48
35 to 44 years	5,223	196	1,123	3,904	248	107	39	9	79
45 to 54 years	5,679	300	1,254	4,125	322	157	31	22	91
55 to 64 years	3,579	323	829	2,428	273	81	16	25	67
55 to 59 years	2,193	175	497	1,521	161	54	10	15	42
60 to 64 years	1,387	147	332	907	112	27	6	10	25
65 years and over	822	194	119	509	138	19	6	22	16

HOUSEHOLD DATA ANNUAL AVERAGES

A-19: Employed persons with a job but not at work by reason, pay status, and sex

(In thousands)

Reason not working	All industries		Nonagricultural industries					
	1970	1969	Total		Wage and salary workers ¹			
			1970	1969	Paid absence ²		Unpaid absence ²	
					1970	1969	1970	1969
Total	4,614	4,408	4,481	4,277	2,172	2,180	1,886	1,719
Vacation	2,324	2,298	2,297	2,275	1,617	1,650	553	498
Illness	1,317	1,258	1,280	1,213	436	398	718	688
Bad weather	127	123	89	92	--	--	--	--
Industrial dispute	156	111	156	111	--	--	--	--
All other reasons	690	618	659	587	119	132	616	533
Male	2,642	2,588	2,520	2,467	1,365	1,401	908	842
Vacation	1,289	1,301	1,266	1,280	1,009	1,042	186	164
Illness	777	771	742	728	279	266	389	390
All other reasons	576	516	512	459	76	93	332	288
Female	1,971	1,820	1,961	1,810	807	779	977	878
Vacation	1,036	996	1,032	994	607	608	366	335
Illness	540	487	538	485	157	131	329	298
All other reasons	395	337	391	331	43	40	283	245

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

A-20: Persons at work by type of industry and hours of work

1970

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	74,013	70,684	3,329	100.0	100.0	100.0
1-34 hours	19,296	18,222	1,075	26.1	25.8	32.3
1-4 hours	740	690	50	1.0	1.0	1.5
5-14 hours	3,545	3,272	273	4.8	4.6	8.2
15-29 hours	8,211	7,653	559	11.1	10.8	16.8
30-34 hours	6,800	6,607	193	9.2	9.3	5.8
35 hours and over	54,716	52,462	2,255	73.9	74.2	67.7
35-39 hours	5,082	4,921	161	6.9	7.0	4.8
40 hours	28,970	28,616	355	39.1	40.5	10.7
41 hours and over	20,664	18,925	1,739	27.9	26.8	52.2
41 to 48 hours	8,451	8,158	293	11.4	11.5	8.8
49 to 59 hours	6,414	6,007	407	8.7	8.5	12.2
60 hours and over	5,799	4,760	1,039	7.8	6.7	31.2
Average hours, total at work	39.1	38.7	45.7	--	--	--
Average hours, workers on full-time schedules	43.2	42.7	55.1	--	--	--

**HOUSEHOLD DATA
ANNUAL AVERAGES**

130

A-21: Persons at work 1-34 hours by usual status and reason working part-time
1970

(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.....	19,297	8,196	11,101	18,222	7,841	10,381
Economic reasons	2,443	1,334	1,109	2,196	1,201	995
Slack work	1,298	989	309	1,125	866	259
Material shortages or repairs to plant and equipment.....	75	75	--	73	73	--
New job started during week.....	192	192	--	185	185	--
Job terminated during week.....	78	78	--	76	76	--
Could find only part-time work.....	800	--	800	736	--	736
Other reasons	16,854	6,861	9,993	16,026	6,640	9,387
Does not want, or unavailable for, full-time work	7,842	--	7,842	7,424	--	7,424
Vacation	544	544	--	531	531	--
Illness	1,653	1,393	260	1,562	1,364	198
Bad weather	506	506	--	376	376	--
Industrial dispute.....	66	66	--	66	66	--
Legal or religious holiday.....	3,236	3,236	--	3,225	3,225	--
Full time for this job.....	1,385	--	1,385	1,341	--	1,341
All other reasons	1,621	1,116	505	1,501	1,077	424
Average hours:						
Economic reasons.....	21.4	23.9	18.5	21.7	24.2	18.7
Other reasons	21.9	27.9	17.8	22.1	28.1	17.8
Worked 30 to 34 hours:						
Economic reasons.....	730	531	199	680	496	184
Other reasons	6,070	4,565	1,505	5,927	4,495	1,432

A-22: Nonagricultural workers by industry and full- or part-time status

1970

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	13.3	83.6	56.8	11.5	15.2	38.7	42.7
Wage and salary workers	100.0	3.1	13.0	84.0	59.2	11.6	13.2	38.3	42.0
Construction	100.0	5.7	4.1	90.2	67.4	11.1	11.8	38.4	40.5
Manufacturing	100.0	3.1	2.9	94.0	68.6	13.6	11.7	40.3	41.4
Durable goods	100.0	2.2	2.0	95.8	70.4	13.7	11.7	40.7	41.5
Nondurable goods.....	100.0	4.5	4.2	91.4	66.1	13.6	11.7	39.7	41.4
Transportation and public utilities	100.0	2.1	6.0	91.8	64.0	12.1	15.8	40.8	42.7
Wholesale and retail trade	100.0	3.3	23.7	73.0	43.5	13.6	15.9	37.0	43.6
Finance, insurance, and real estate.....	100.0	1.1	9.7	89.3	67.0	9.1	13.2	38.7	41.0
Service industries	100.0	3.4	23.4	73.1	51.4	9.0	12.7	35.6	42.3
Private households	100.0	12.8	52.6	34.6	22.4	4.7	7.5	24.3	43.9
All other service	100.0	2.4	20.2	77.4	54.6	9.5	13.2	36.8	42.2
Public administration	100.0	.9	5.6	93.5	73.8	8.1	11.5	39.6	41.1
Self-employed workers	100.0	3.9	14.5	81.6	28.7	11.1	41.8	45.0	51.3
Unpaid family workers	100.0	2.0	39.8	58.2	26.1	7.2	24.9	37.9	49.2

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

**HOUSEHOLD DATA
ANNUAL AVERAGES**
**A-23: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status
1970**

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.....	70,684	2,196	9,387	59,101	40,176	18,925	38.7	42.7
16 to 21 years	8,905	534	3,245	5,126	4,033	1,093	30.1	40.3
16 to 19 years	5,566	384	2,634	2,548	2,008	540	27.0	40.2
16 and 17 years	2,292	168	1,626	498	386	112	20.3	40.1
18 and 19 years	3,274	217	1,009	2,048	1,620	428	31.7	40.2
20 years and over	65,117	1,810	6,752	56,555	38,170	18,385	39.7	42.8
20 to 24 years	9,020	335	1,165	7,520	5,631	1,889	37.3	41.1
25 years and over	56,097	1,475	5,587	49,035	32,539	16,496	40.1	43.1
25 to 44 years	29,431	729	2,534	26,168	17,056	9,112	40.6	43.2
45 to 64 years	24,237	664	2,100	21,473	14,584	6,889	40.3	42.8
65 years and over	2,429	81	955	1,393	898	495	32.2	43.8
Males, 16 years and over	43,579	1,105	3,021	39,453	24,085	15,368	41.6	44.0
16 to 21 years	4,561	278	1,651	2,632	1,871	761	31.1	41.5
16 to 19 years	2,974	209	1,376	1,389	997	392	28.2	41.2
16 and 17 years	1,269	98	859	312	230	82	21.9	40.8
18 and 19 years	1,705	110	517	1,078	768	310	32.8	41.3
20 years and over	40,605	896	1,645	38,064	23,087	14,977	42.6	44.1
20 to 24 years	4,816	174	511	4,131	2,746	1,385	39.2	42.6
25 years and over	35,789	722	1,134	33,933	20,341	13,592	43.1	44.3
25 to 44 years	19,340	373	286	18,681	10,855	7,826	43.9	44.3
45 to 64 years	14,917	303	308	14,306	8,886	5,420	43.0	43.9
65 years and over	1,532	46	540	946	599	347	33.5	43.8
Females, 16 years and over	27,105	1,090	6,365	19,650	16,093	3,557	34.0	39.9
16 to 21 years	4,344	256	1,594	2,494	2,164	330	29.1	39.1
16 to 19 years	2,592	177	1,258	1,157	1,008	149	25.7	39.0
16 and 17 years	1,023	70	767	186	156	30	18.3	38.9
18 and 19 years	1,568	107	492	969	850	119	30.6	39.0
20 years and over	24,513	914	5,107	18,492	15,084	3,408	34.9	40.0
20 to 24 years	4,204	162	654	3,388	2,884	504	35.2	39.2
25 years and over	20,309	752	4,453	15,104	12,200	2,904	34.8	40.2
25 to 44 years	10,091	355	2,248	7,488	6,201	1,287	34.4	39.6
45 to 64 years	9,320	362	1,791	7,167	5,696	1,471	35.9	40.5
65 years and over	897	35	414	448	302	146	30.1	43.9
COLOR								
White	63,112	1,736	8,488	52,888	35,244	17,644	38.9	42.9
Male	39,334	897	2,756	35,681	21,250	14,431	41.9	44.3
Female	23,777	839	5,732	17,206	13,993	3,213	34.0	40.0
Negro and other races	7,572	460	899	6,213	4,931	1,282	37.0	40.8
Male	4,245	209	265	3,771	2,834	937	39.2	41.7
Female	3,327	251	633	2,443	2,099	344	34.2	39.5
MARITAL STATUS								
Male:								
Married, wife present	33,939	642	999	32,298	19,117	13,181	43.2	44.4
Widowed, divorced, or separated	2,247	87	142	2,018	1,289	729	40.9	43.4
Single (never married)	7,393	377	1,881	5,135	3,677	1,458	34.5	42.1
Female:								
Married, husband present	15,820	560	3,871	11,389	9,416	1,973	34.0	39.7
Widowed, divorced, or separated	5,072	254	806	4,012	3,119	893	36.4	40.8
Single (never married)	6,213	276	1,688	4,249	3,556	693	32.2	39.7

**HOUSEHOLD DATA
ANNUAL AVERAGES**

132

**A-23: Persons at work in nonagricultural industries by full- or part-time status,
sex, age, color, and marital status--Continued**
1970

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	13.3	83.6	56.8	26.8
16 to 21 years	100.0	6.0	36.4	57.6	45.3	12.3
16 to 19 years	100.0	6.9	47.3	45.8	36.1	9.7
16 and 17 years	100.0	7.3	70.9	21.7	16.8	4.9
18 and 19 years	100.0	6.6	30.8	62.6	49.5	13.1
20 years and over	100.0	2.8	10.4	86.9	58.6	28.2
20 to 24 years	100.0	3.7	12.9	83.4	62.4	20.9
25 years and over	100.0	2.6	10.0	87.4	58.0	29.4
25 to 44 years	100.0	2.5	8.6	88.9	58.0	31.0
45 to 64 years	100.0	2.7	8.7	88.6	60.2	28.4
65 years and over	100.0	3.3	39.3	57.3	37.0	20.4
Males, 16 years and over	100.0	2.5	6.9	90.5	55.3	35.3
16 to 21 years	100.0	6.1	36.2	57.7	41.0	16.7
16 to 19 years	100.0	7.0	46.3	46.7	33.5	13.2
16 and 17 years	100.0	7.7	67.7	24.6	18.1	6.5
18 and 19 years	100.0	6.5	30.3	63.2	45.0	18.2
20 years and over	100.0	2.2	4.1	93.7	56.9	36.9
20 to 24 years	100.0	3.6	10.6	85.8	57.0	28.8
25 years and over	100.0	2.0	3.2	94.8	56.8	38.0
25 to 44 years	100.0	1.9	1.5	96.6	56.1	40.5
45 to 64 years	100.0	2.0	2.1	95.9	59.6	36.3
65 years and over	100.0	3.0	35.2	61.7	39.1	22.7
Females, 16 years and over	100.0	4.0	23.5	72.5	59.4	13.1
16 to 21 years	100.0	5.9	36.7	57.4	49.8	7.6
16 to 19 years	100.0	6.8	48.5	44.6	38.9	5.7
16 and 17 years	100.0	6.8	75.0	18.2	15.2	2.9
18 and 19 years	100.0	6.8	31.4	61.8	54.2	7.6
20 years and over	100.0	3.7	20.8	75.4	61.5	13.9
20 to 24 years	100.0	3.9	15.6	80.6	68.6	12.0
25 years and over	100.0	3.7	21.9	74.4	60.1	14.3
25 to 44 years	100.0	3.5	22.3	74.2	61.5	12.8
45 to 64 years	100.0	3.9	19.2	76.9	61.1	15.8
65 years and over	100.0	3.9	46.2	49.9	33.7	16.3
COLOR						
White	100.0	2.8	13.4	83.8	55.8	28.0
Male	100.0	2.3	7.0	90.7	54.0	36.7
Female	100.0	3.5	24.1	72.4	58.9	13.5
Negro and other races	100.0	6.1	11.9	82.1	65.1	16.9
Male	100.0	4.9	6.2	88.8	66.8	22.1
Female	100.0	7.5	19.0	73.4	63.1	10.3
MARITAL STATUS						
Male:						
Married, wife present	100.0	1.9	2.9	95.2	56.3	38.8
Widowed, divorced, or separated	100.0	3.9	6.3	89.8	57.4	32.4
Single (never married)	100.0	5.1	25.4	69.5	49.7	19.7
Female:						
Married, husband present	100.0	3.5	24.5	72.0	59.5	12.5
Widowed, divorced, or separated	100.0	5.0	15.9	79.1	61.5	17.6
Single (never married)	100.0	4.4	27.2	68.4	57.2	11.2

**HOUSEHOLD DATA
ANNUAL AVERAGES**
A-24: Persons at work in nonfarm occupations by full- or part-time status and sex

1970

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.....	35,779	497	4,881	30,401	20,009	3,804	6,588	39.6	43.3
Professional and technical.....	10,290	95	1,209	8,986	5,781	1,165	2,040	40.0	43.3
Managers, officials, and proprietors.....	7,886	71	313	7,502	3,258	1,175	3,069	47.1	48.5
Clerical workers.....	13,006	212	2,182	10,612	9,025	969	618	35.7	39.4
Sales workers.....	4,597	118	1,177	3,302	1,947	496	859	36.7	43.9
Blue-collar workers.....	26,045	1,215	1,670	23,160	16,275	3,560	3,325	39.4	41.8
Craftsmen and foremen.....	9,528	268	295	8,965	6,027	1,505	1,433	40.9	42.2
Operatives.....	13,005	675	804	11,526	8,239	1,682	1,605	39.5	41.9
Nonfarm laborers.....	3,512	272	571	2,669	2,008	373	287	35.0	40.6
Service workers.....	9,178	503	2,894	5,781	4,011	832	938	33.5	42.9
Private household.....	1,489	176	793	520	340	70	110	24.5	43.5
Other service workers.....	7,689	327	2,102	5,260	3,670	762	828	35.2	42.9
MALE									
White-collar workers.....	19,074	183	1,190	17,701	9,540	2,632	5,529	43.8	45.8
Professional and technical.....	6,461	46	384	6,031	3,609	799	1,623	42.7	44.6
Managers, officials, and proprietors.....	6,644	56	164	6,424	2,618	1,031	2,776	48.0	49.0
Clerical workers.....	3,312	39	326	2,947	2,163	411	373	39.0	41.5
Sales workers.....	2,656	42	316	2,298	1,149	391	758	41.8	45.5
Blue-collar workers.....	21,628	842	1,264	19,522	13,144	3,177	3,200	40.2	42.4
Craftsmen and foremen.....	9,221	257	249	8,715	5,831	1,469	1,415	41.1	42.3
Operatives.....	9,020	325	472	8,223	5,374	1,346	1,503	41.1	43.1
Nonfarm laborers.....	3,386	261	543	2,582	1,940	361	282	35.1	40.6
Service workers.....	3,125	95	600	2,430	1,494	383	553	38.7	44.8
Private household.....	40	3	20	17	10	2	5	27.2	46.5
Other service workers.....	3,085	92	579	2,414	1,485	381	549	38.8	44.8
FEMALE									
White-collar workers.....	16,705	314	3,691	12,700	10,471	1,172	1,057	34.7	39.8
Professional and technical.....	3,829	49	825	2,955	2,172	365	417	35.3	40.7
Managers, officials, and proprietors.....	1,242	15	149	1,078	640	144	293	42.2	45.6
Clerical workers.....	9,694	173	1,856	7,665	6,862	558	246	34.6	38.6
Sales workers.....	1,940	77	861	1,002	797	105	101	29.6	40.3
Blue-collar workers.....	4,418	373	406	3,639	3,130	384	125	35.9	38.9
Craftsmen and foremen.....	307	11	46	250	195	36	18	36.1	39.9
Operatives.....	3,985	350	332	3,303	2,866	335	102	35.9	38.8
Nonfarm laborers.....	125	12	28	85	69	12	5	32.5	39.7
Service workers.....	6,054	407	2,295	3,352	2,518	449	385	30.8	41.5
Private household.....	1,450	173	772	505	333	68	104	24.4	43.4
Other service workers.....	4,604	235	1,523	2,846	2,186	381	280	32.8	41.2

**HOUSEHOLD DATA
ANNUAL AVERAGES**

134

A-24: Persons at work in nonfarm occupations by full- or part-time status and sex--Continued
1970

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	1.4	13.6	85.0	55.9	10.6	18.4
Professional and technical	100.0	.9	11.7	87.3	56.2	11.3	19.8
Managers, officials, and proprietors	100.0	.9	4.0	95.1	41.3	14.9	38.9
Clerical workers	100.0	1.6	16.8	81.6	69.4	7.5	4.8
Sales workers	100.0	2.6	25.6	71.8	42.4	10.8	18.7
Blue-collar workers	100.0	4.7	6.4	88.9	62.5	13.7	12.8
Craftsmen and foremen	100.0	2.8	3.1	94.1	63.3	15.8	15.0
Operatives	100.0	5.2	6.2	88.6	63.4	12.9	12.3
Nonfarm laborers	100.0	7.7	16.3	76.0	57.2	10.6	8.2
Service workers	100.0	5.5	31.5	63.0	43.7	9.1	10.2
Private household	100.0	11.8	53.3	34.9	22.8	4.7	7.4
Other service workers	100.0	4.3	27.3	68.4	47.7	9.9	10.8
MALE							
White-collar workers	100.0	1.0	6.2	92.8	50.0	13.8	29.0
Professional and technical	100.0	.7	5.9	93.3	55.9	12.4	25.1
Managers, officials, and proprietors	100.0	.8	2.5	96.7	39.4	15.5	41.8
Clerical workers	100.0	1.2	9.8	89.0	65.3	12.4	11.3
Sales workers	100.0	1.6	11.9	86.5	43.3	14.7	28.5
Blue-collar workers	100.0	3.9	5.8	90.3	60.8	14.7	14.8
Craftsmen and foremen	100.0	2.8	2.7	94.5	63.2	15.9	15.3
Operatives	100.0	3.6	5.2	91.2	59.6	14.9	16.7
Nonfarm laborers	100.0	7.7	16.0	76.3	57.3	10.7	8.3
Service workers	100.0	3.0	19.2	77.8	47.8	12.3	17.7
Private household	100.0	7.5	50.0	42.5	25.0	5.0	12.5
Other service workers	100.0	3.0	18.8	78.2	48.1	12.4	17.8
FEMALE							
White-collar workers	100.0	1.9	22.1	76.0	62.7	7.0	6.3
Professional and technical	100.0	1.3	21.5	77.2	56.7	9.5	10.9
Managers, officials, and proprietors	100.0	1.2	12.0	86.8	51.5	11.6	23.6
Clerical workers	100.0	1.8	19.1	79.1	70.8	5.8	2.5
Sales workers	100.0	4.0	44.4	51.6	41.1	5.4	5.2
Blue-collar workers	100.0	8.4	9.2	82.4	70.8	8.7	2.8
Craftsmen and foremen	100.0	3.6	15.0	81.4	63.5	11.7	5.9
Operatives	100.0	8.8	8.3	82.9	71.9	8.4	2.6
Nonfarm laborers	100.0	9.6	22.4	68.0	55.2	9.6	4.0
Service workers	100.0	6.7	37.9	55.4	41.6	7.4	6.4
Private household	100.0	11.9	53.2	34.8	23.0	4.7	7.2
Other service workers	100.0	5.1	33.1	61.8	47.5	8.3	6.1

A-25: Employment status of 14- 15 year-olds by sex and color

1970

(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.....	7,981	4,046	3,935	6,853	3,485	3,368	1,128	561	567
Civilian labor force.....	1,530	892	637	1,382	800	582	147	93	55
Employed.....	1,362	784	578	1,258	718	540	104	65	38
Agriculture.....	192	158	34	171	144	27	20	14	6
Nonagricultural industries.....	1,170	626	544	1,087	574	513	83	52	31
Unemployed.....	168	109	59	124	81	43	44	27	17
Not in labor force.....	6,452	3,154	3,298	5,471	2,686	2,785	981	468	513
Keeping house.....	129	11	118	112	10	101	18	1	17
Going to school.....	5,164	2,580	2,584	4,357	2,188	2,169	807	392	415
Unable to work.....	10	5	5	7	4	3	3	1	2
All other reasons.....	1,148	557	591	995	484	512	153	74	79

A-26: Employed 14- 15 year-olds by sex, class of worker, and major occupation group
1970

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,362	784	578	100.0	100.0	100.0
Nonagricultural industries.....	1,170	626	544	85.9	79.8	93.9
Wage and salary workers.....	1,063	532	530	78.0	68.0	91.7
Private household workers.....	499	117	382	36.6	14.9	66.1
Government workers.....	49	29	20	3.6	3.7	3.5
Other wage and salary workers.....	515	387	128	37.8	49.4	22.1
Self-employed workers.....	89	78	10	6.5	9.9	1.7
Unpaid family workers.....	18	15	3	1.3	1.9	.5
Agriculture.....	192	158	34	14.1	20.2	6.1
Wage and salary workers.....	94	77	18	6.9	9.8	3.1
Self-employed workers.....	12	11	1	.9	1.4	.2
Unpaid family workers.....	86	70	16	6.3	8.9	2.8
OCCUPATION						
Total.....	1,362	784	578	100.0	100.0	100.0
White-collar workers.....	288	219	69	21.2	28.1	11.9
Professional and technical.....	15	6	9	1.1	.8	1.6
Managers, officials, and proprietors.....	3	2	1	.2	.3	.2
Clerical workers.....	52	21	31	3.8	2.7	5.4
Sales workers.....	219	191	28	16.1	24.4	4.8
Blue-collar workers.....	299	279	21	22.0	35.6	3.6
Craftsmen and foremen.....	15	14	1	1.1	1.8	.2
Operatives.....	65	55	10	4.8	7.0	1.7
Nonfarm laborers.....	219	210	10	16.1	26.8	1.7
Service workers.....	598	143	455	43.9	18.1	78.8
Private household workers.....	398	20	378	29.2	2.6	65.3
Other service workers.....	200	122	78	14.7	15.6	13.5
Farm workers.....	176	143	33	12.9	18.2	5.7
Farmers and farm managers.....	4	3	1	.3	.4	.2
Farm laborers and foremen.....	172	140	32	12.6	17.9	5.5

**HOUSEHOLD DATA
ANNUAL AVERAGES**

**A-27: Labor force status of civilian noninstitutional population by age, sex, and reasons for nonparticipation
1970**

Labor force status and reasons for nonparticipation	Total	Age in years							
		16-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over
Total									
Civilian noninstitutional population (in thousands)	136,995	14,512	15,305	24,403	22,482	23,060	9,915	8,322	18,996
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	60.4	49.9	69.1	69.7	73.1	73.5	68.2	54.3	17.0
Not in labor force	39.6	50.1	30.9	30.3	26.9	26.5	31.8	45.7	83.0
In school	5.2	36.6	9.3	1.1	.3	.2	(1)	(1)	(1)
Ill health, disability	3.2	.5	.9	1.2	2.0	3.3	5.2	7.2	8.1
Home responsibilities	24.2	5.5	17.4	26.3	22.9	20.7	23.1	29.7	44.9
Retirement, old age	4.3	--	--	--	(1)	.1	.5	6.4	28.0
Think cannot get job . . . . .	.5	.8	.5	.3	.3	.5	.4	.6	.5
All other reasons	2.3	6.7	2.7	1.4	1.4	1.8	2.6	1.9	1.5
Male									
Civilian noninstitutional population (in thousands)	64,261	7,142	6,851	11,733	10,804	11,054	4,714	3,873	8,089
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	79.7	56.1	83.3	96.4	96.9	94.3	89.5	75.0	26.8
Not in labor force	20.3	43.9	16.7	3.6	3.1	5.7	10.5	25.0	73.2
In school	5.6	35.8	12.3	1.5	.2	.1	(1)	(1)	--
Ill health, disability	3.5	.6	.8	.9	1.8	3.6	6.3	9.6	9.8
Home responsibilities . . . . .	.3	.2	.1	(1)	.1	.1	.3	.4	1.8
Retirement, old age	8.1	--	--	--	(1)	.2	.9	11.7	58.1
Think cannot get job . . . . .	.3	.9	.4	.2	.1	.2	.2	.5	.6
All other reasons	2.4	6.4	3.1	.9	.9	1.6	2.9	2.8	2.9
Female									
Civilian noninstitutional population (in thousands)	72,734	7,370	8,454	12,669	11,678	12,006	5,201	4,449	10,907
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	43.3	44.0	57.7	45.0	51.1	54.4	49.0	36.1	9.7
Not in labor force	56.7	56.0	42.3	55.0	48.9	45.6	51.0	63.9	90.3
In school	4.8	37.3	6.8	.8	.4	.2	(1)	.1	.1
Ill health, disability	2.9	.5	1.0	1.3	2.1	3.0	4.2	5.2	6.9
Home responsibilities	45.2	10.5	31.5	50.6	44.0	39.6	43.7	55.3	76.9
Retirement, old age	1.0	--	--	--	--	(1)	.1	1.7	5.7
Think cannot get job . . . . .	.6	.7	.6	.5	.5	.7	.6	.6	.4
All other reasons	2.2	7.0	2.4	1.8	1.9	2.0	2.3	1.1	.4

¹Percent less than 0.05 percent.

NOTE: Because of some modifications in the sampling pattern used in eliciting information on persons not in the labor force, instituted in January 1970, some of the 1970 annual data in tables A-27 through A-36 may not be strictly comparable with the 1969 averages. This appears to apply particularly to data on persons "who want a job now" and on persons who "intend to seek work in the next 12 months."

**HOUSEHOLD DATA
ANNUAL AVERAGES**
A-28: Reasons for nonparticipation in labor force by age and sex

Nonparticipants by reason for status	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969
Thousands of persons										
Total	54,275	53,596	7,265	7,126	4,721	4,608	22,706	22,693	19,582	19,169
In school	7,126	7,084	5,308	5,313	1,416	1,397	391	360	11	14
Ill health, disability	4,358	4,453	75	86	143	147	1,997	2,085	2,144	2,137
Home responsibilities	33,088	32,641	792	747	2,668	2,606	18,633	18,620	10,996	10,666
Retirement, old age	5,918	5,795	--	--	--	--	67	62	5,851	5,730
Think cannot get job	638	574	120	95	79	58	296	255	143	166
All other reasons	3,145	3,049	969	885	416	400	1,325	1,308	437	457
Male	13,065	12,672	3,136	3,059	1,142	1,097	1,894	1,777	6,892	6,739
In school	3,618	3,586	2,559	2,566	841	835	217	183	1	3
Ill health, disability	2,253	2,192	40	40	55	56	992	954	1,165	1,142
Home responsibilities	221	181	14	13	7	7	42	37	158	124
Retirement, old age	5,216	5,109	--	--	--	--	62	58	5,154	5,048
Think cannot get job	221	183	66	40	26	15	61	44	68	83
All other reasons	1,534	1,420	456	399	212	184	519	501	345	337
Female	41,210	40,924	4,130	4,068	3,580	3,512	20,812	20,916	12,690	12,429
In school	3,508	3,498	2,749	2,748	575	562	174	178	10	10
Ill health, disability	2,105	2,261	35	45	88	91	1,002	1,130	979	995
Home responsibilities	32,867	32,461	777	735	2,661	2,599	18,591	18,585	10,839	10,542
Retirement, old age	703	686	--	--	--	--	7	4	696	682
Think cannot get job	417	391	55	54	52	43	235	210	74	82
All other reasons	1,610	1,628	513	486	203	216	801	808	92	118
Percent distribution										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	13.1	13.2	73.1	74.6	30.0	30.3	1.7	1.6	.1	.1
Ill health, disability	8.0	8.3	1.0	1.2	3.0	3.2	8.8	9.2	10.9	11.1
Home responsibilities	61.0	60.9	10.9	10.5	56.5	56.6	82.1	82.1	56.2	55.6
Retirement, old age	10.9	10.8	--	--	--	--	.3	.3	29.9	29.9
Think cannot get job	1.2	1.1	1.7	1.3	1.7	1.3	1.3	1.1	.7	.9
All other reasons	5.8	5.7	13.3	12.4	8.8	8.7	5.8	5.8	2.2	2.4
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	27.7	28.3	81.6	83.9	73.7	76.1	11.5	10.3	(1)	(1)
Ill health, disability	17.2	17.3	1.3	1.3	4.8	5.1	52.4	53.7	16.9	17.0
Home responsibilities	1.7	1.4	.4	.4	.6	.6	2.2	2.1	2.3	1.8
Retirement, old age	39.9	40.3	--	--	--	--	3.3	3.3	74.8	74.9
Think cannot get job	1.7	1.4	2.1	1.3	2.3	1.4	3.2	2.5	1.0	1.2
All other reasons	11.7	11.2	14.5	13.0	18.6	16.8	27.4	28.2	5.0	5.0
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	8.5	8.5	66.6	67.6	16.1	16.0	.8	.9	.1	.1
Ill health, disability	5.1	5.5	.8	1.1	2.5	2.6	4.8	5.4	7.7	8.0
Home responsibilities	79.8	79.3	18.8	18.1	74.4	74.0	89.3	88.9	85.4	84.8
Retirement, old age	1.7	1.7	--	--	--	--	(1)	(1)	5.5	5.5
Think cannot get job	1.0	1.0	1.3	1.3	1.5	1.2	1.1	1.0	.6	.7
All other reasons	3.9	4.0	12.4	12.0	5.7	6.2	3.8	3.9	.7	.9

¹ Percent less than 0.05.

**HOUSEHOLD DATA
ANNUAL AVERAGES**

A-29: Reasons for nonparticipation in labor force by age, color, and sex

Nonparticipants by reason for status	Total		Age in years					
			16-24		25-59		60 and over	
	1970	1969	1970	1969	1970	1969	1970	1969
White								
Male (in thousands)	11,475	11,164	3,627	3,566	1,541	1,444	6,307	6,153
In school	3,108	3,094	2,924	2,935	185	155	1	3
Ill health, disability	1,876	1,800	71	80	802	757	1,003	963
Home responsibilities	185	156	14	20	31	28	141	108
Retirement, old age	4,848	4,768	-	-	57	55	4,791	4,711
Think cannot get job	169	147	68	40	44	36	56	70
All other reasons	1,288	1,198	552	490	422	413	314	296
Female (in thousands)	37,119	36,969	6,570	6,508	18,844	18,999	11,706	11,462
In school	3,948	2,980	2,795	2,826	143	146	10	8
Ill health, disability	1,663	1,777	91	104	769	853	803	820
Home responsibilities	30,134	29,898	2,990	2,931	17,037	17,132	10,105	9,836
Retirement, old age	643	623	-	-	7	3	637	620
Think cannot get job	325	299	81	68	183	159	62	73
All other reasons	1,406	1,392	612	582	704	705	87	106
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	27.1	27.7	80.6	82.3	12.0	10.7	(1)	(1)
Ill health, disability	16.4	16.1	2.0	2.2	52.0	52.4	15.9	15.7
Home responsibilities	1.6	1.4	.4	.6	2.0	1.9	2.2	1.8
Retirement, old age	42.3	42.7	-	-	3.7	3.8	76.0	76.6
Think cannot get job	1.5	1.3	1.9	1.1	2.9	2.5	.9	1.1
All other reasons	11.2	10.7	15.2	13.7	27.4	28.6	5.0	4.8
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	7.9	8.1	42.5	43.4	.8	.8	.1	.1
Ill health, disability	4.5	4.8	1.4	1.6	4.1	4.5	6.9	7.2
Home responsibilities	81.2	80.9	45.5	45.0	90.4	90.2	86.3	85.8
Retirement, old age	1.7	1.7	-	-	(1)	(1)	5.4	5.4
Think cannot get job	.9	.8	1.2	1.0	1.0	.8	.5	.6
All other reasons	3.8	3.8	9.3	8.9	3.7	3.7	.7	.9
Negro and other races								
Male (in thousands)	1,590	1,508	651	589	355	333	585	586
In school	510	492	477	465	32	26	-	-
Ill health, disability	377	392	24	15	192	198	161	179
Home responsibilities	36	25	8	-	10	9	18	16
Retirement, old age	368	341	-	-	4	4	363	337
Think cannot get job	53	36	24	15	16	9	13	13
All other reasons	247	222	116	93	100	88	31	42
Female (in thousands)	4,092	3,955	1,140	1,071	1,967	1,915	984	967
In school	560	518	529	485	32	31	-	1
Ill health, disability	442	483	33	32	234	277	175	174
Home responsibilities	2,734	2,563	447	404	1,554	1,451	733	707
Retirement, old age	59	62	-	-	-	-	59	62
Think cannot get job	92	92	26	31	52	53	14	9
All other reasons	206	236	105	121	97	103	4	12
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	32.1	32.6	73.5	79.1	9.0	7.8	-	-
Ill health, disability	23.7	26.0	3.7	2.6	54.2	59.3	27.5	30.5
Home responsibilities	2.3	1.7	1.2	-	2.8	2.7	3.1	2.7
Retirement, old age	23.1	22.6	-	-	1.1	1.2	61.9	57.4
Think cannot get job	3.3	2.4	3.7	2.6	4.5	2.7	2.2	2.2
All other reasons	15.5	14.7	17.9	15.8	28.2	26.3	5.3	7.2
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	13.7	13.1	46.4	45.2	1.6	1.6	-	.1
Ill health, disability	10.8	12.2	2.9	3.0	11.9	14.5	17.8	18.0
Home responsibilities	66.8	64.8	39.2	37.7	78.9	75.8	74.4	73.3
Retirement, old age	1.4	1.6	-	-	-	-	6.0	6.4
Think cannot get job	2.2	2.3	2.3	2.9	2.6	2.8	1.4	.9
All other reasons	5.0	6.0	9.2	11.3	4.9	5.4	.4	1.2

¹Percent less than 0.05.

HOUSEHOLD DATA ANNUAL AVERAGES

A-30: Job desire of persons not in labor force and reasons for not seeking work by age and sex

Reasons for not seeking work	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969
Thousands of persons										
Total not in labor force	54,275	53,596	7,265	7,126	4,721	4,608	22,706	23,693	19,582	19,169
Do not want job now	50,398	49,137	6,106	5,870	4,128	3,979	20,953	20,622	19,209	18,668
Want job now - total	3,877	4,459	1,159	1,256	593	629	1,753	2,071	373	501
In school	1,075	1,126	831	903	180	161	63	60	2	1
Ill health, disability	489	627	16	29	38	34	319	393	116	170
Home responsibilities	926	1,257	66	90	169	221	662	900	29	45
Think cannot get job	638	574	120	95	79	58	296	255	143	166
All other reasons	749	875	126	139	127	155	413	463	83	119
Male	1,200	1,256	554	556	193	171	281	286	170	242
In school	563	568	425	452	108	96	30	19	--	--
Ill health, disability	208	276	7	15	12	12	128	151	61	100
Think cannot get job	221	205	66	40	26	15	61	44	68	83
All other reasons ¹	208	207	56	49	47	48	62	72	41	59
Female	2,675	3,203	606	700	398	456	1,471	1,787	201	257
In school	511	558	406	451	72	65	32	41	2	1
Ill health, disability	281	351	9	14	26	22	191	243	55	70
Home responsibilities	906	1,235	60	87	167	216	658	896	23	36
Think cannot get job	417	391	55	54	52	43	235	210	74	82
All other reasons	560	668	76	94	81	110	355	397	47	68
Percent distribution										
Want job now - total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	27.7	25.3	71.7	71.9	30.4	25.6	3.6	2.9	.5	.2
Ill health, disability	12.6	14.1	1.4	2.3	6.4	5.4	18.2	19.0	31.1	33.9
Home responsibilities	23.9	28.2	5.7	7.2	28.5	35.1	37.8	43.5	7.8	9.0
Think cannot get job	16.5	12.9	10.4	7.6	13.3	9.2	16.9	12.3	38.3	33.1
All other reasons	19.3	19.6	10.9	11.1	21.4	24.6	23.6	22.4	22.3	23.8
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	46.9	45.2	76.7	81.3	56.0	56.1	10.7	6.6	--	--
Ill health, disability	17.3	22.0	1.3	2.7	6.2	7.0	45.6	52.8	35.9	41.3
Think cannot get job	18.4	16.3	11.9	7.2	13.5	8.8	21.7	15.4	40.0	34.3
All other reasons ¹	17.3	16.5	10.1	8.8	24.4	28.1	22.1	25.2	24.1	24.4
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	19.1	17.4	67.0	64.4	18.1	14.3	2.2	2.3	1.0	.4
Ill health, disability	10.5	11.0	1.5	2.0	6.5	4.8	13.0	13.6	27.4	27.2
Home responsibilities	33.9	38.6	9.9	12.4	42.0	47.4	44.7	50.1	11.4	14.0
Think cannot get job	15.6	12.2	9.1	7.7	13.1	9.4	16.0	11.8	36.8	31.9
All other reasons	20.9	20.9	12.5	13.4	20.4	24.1	24.1	22.2	23.4	26.5

¹Includes small number of men not seeking work because of home responsibilities.

A-31: Job desire of persons not in labor force and reasons for not seeking work by color and sex

Reasons for not seeking work	White				Negro and other races			
	Male		Female		Male		Female	
	1970	1969	1970	1969	1970	1969	1970	1969
Thousands of persons								
Total not in labor force	11,475	11,164	37,119	36,969	1,590	1,508	4,092	3,955
Do not want job now	10,503	10,140	34,995	34,465	1,359	1,276	3,540	3,254
Want job now	972	1,024	2,124	2,504	231	232	552	701
In school	469	457	406	439	95	111	106	120
Ill health, disability	160	223	200	248	48	53	80	103
Home responsibilities ¹	--	--	707	959	--	--	199	277
Think cannot get job	169	147	325	299	53	36	92	92
All other reasons	174	197	486	559	35	32	75	109
Percent distribution								
Want job now	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	48.3	44.6	19.1	17.5	41.1	47.8	19.2	17.1
Ill health, disability	16.5	21.8	9.4	9.9	20.8	22.8	14.5	14.7
Home responsibilities ¹	--	--	33.3	38.3	--	--	36.1	39.5
Think cannot get job	17.4	14.4	15.3	11.9	22.9	15.5	16.7	13.1
All other reasons	17.9	19.2	22.9	22.3	15.2	13.8	13.6	15.5

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

A-32: Persons not in labor force who desire to work but think they cannot get jobs by age, color, sex, and detailed reason
1970

(In thousands)

Detailed reason for not seeking work	Total	Age in years				Color	
		16-19	20-24	25-59	60 and over	White	Negro and other races
Total	638	120	79	296	143	493	145
Employers think too young or old	105	27	--	11	66	91	15
Lacks education or training	60	10	11	35	4	46	14
Other personal handicap	36	6	4	18	7	30	5
Could not find job	244	57	40	119	28	178	66
Thinks no job available	193	19	24	112	38	150	44
Male	221	66	26	61	68	168	53
Employers think too young or old	57	17	--	1	38	51	7
Lacks education or training	11	5	2	4	1	6	5
Other personal handicap	13	2	2	6	4	10	3
Could not find job	88	33	14	28	13	64	24
Thinks no job available	52	8	8	21	14	38	14
Female	417	55	52	235	74	325	92
Employers think too young or old	48	10	--	8	29	40	8
Lacks education or training	49	5	9	30	3	40	9
Other personal handicap	22	4	2	13	3	20	2
Could not find job	156	24	25	92	15	114	42
Thinks no job available	141	11	15	91	24	112	30

**HOUSEHOLD DATA
ANNUAL AVERAGES**
A-33: Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age and sex

Most recent work experience and reason leaving job	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	1970	1969	1970	1969	1970	1969	1970	1969	1970	1969
Total										
Not in labor force (in thousands)	54,275	53,596	7,265	7,126	4,721	4,608	22,706	22,693	19,582	19,169
Never worked	10,079	9,617	3,885	3,619	867	768	2,528	2,479	2,799	2,752
Last worked over 5 years ago	25,222	24,630	17	28	312	297	12,047	11,952	12,846	12,354
Last worked 1 to 5 years ago	8,842	9,171	459	452	1,427	1,414	4,412	4,593	2,544	2,713
Left job previous 12 months	10,130	10,175	2,905	3,027	2,116	2,129	3,718	3,670	1,392	1,349
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	49.3	50.5	63.1	64.4	70.7	71.7	42.4	42.5	6.7	7.4
Ill health, disability	8.9	9.6	1.5	1.6	2.9	2.9	14.4	15.5	18.7	21.9
Retirement, old age	6.7	6.1	--	--	--	--	1.5	1.4	44.2	42.1
Economic reasons	18.0	16.6	16.9	15.0	10.8	10.3	22.6	21.1	19.5	18.2
End of seasonal job	8.1	8.5	9.3	9.3	3.9	5.5	9.4	9.4	9.0	8.9
Slack work	4.3	3.1	3.2	2.2	2.9	1.6	5.8	4.6	4.3	3.0
End of temporary job	5.7	5.1	4.4	3.5	4.0	3.2	7.4	7.1	6.2	6.4
All other reasons	17.1	17.2	18.6	19.0	15.5	15.1	19.1	19.5	10.9	10.3
Male										
Not in labor force (in thousands)	13,065	12,672	3,136	3,059	1,142	1,097	1,894	1,777	6,892	6,739
Never worked	1,755	1,599	1,404	1,283	197	156	129	128	24	31
Last worked over 5 years ago	5,317	4,966	8	12	21	15	643	567	4,646	4,372
Last worked 1 to 5 years ago	2,332	2,437	171	157	173	175	540	532	1,449	1,573
Left job previous 12 months	3,660	3,669	1,553	1,607	752	750	582	549	773	762
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	44.2	46.3	62.9	65.2	66.3	70.5	20.7	18.3	2.7	2.8
Ill health, disability	11.1	11.6	1.4	1.4	2.8	2.7	36.1	37.8	19.8	22.6
Retirement, old age	11.9	11.7	--	--	--	--	5.0	6.2	52.8	51.8
Economic reasons	15.5	13.4	16.5	13.7	10.9	9.1	17.1	15.2	16.9	15.8
End of seasonal job	7.6	7.6	9.3	8.8	4.8	5.3	6.2	6.4	7.9	8.4
Slack work	4.1	2.5	3.2	2.2	3.1	1.2	7.7	5.7	4.1	2.2
End of temporary job	3.9	3.2	4.0	2.7	3.1	2.5	3.3	3.1	4.9	5.1
All other reasons	17.2	17.1	19.2	19.7	20.1	17.7	21.1	22.5	7.8	7.0
Female										
Not in labor force (in thousands)	41,210	40,924	4,130	4,068	3,580	3,512	20,812	20,916	12,690	12,429
Never worked	8,324	8,018	2,481	2,335	670	613	2,399	2,349	2,775	2,720
Last worked over 5 years ago	19,905	19,664	9	16	290	282	11,404	11,384	8,200	7,982
Last worked 1 to 5 years ago	6,510	6,734	288	295	1,254	1,239	3,872	4,061	1,095	1,140
Left job previous 12 months	6,470	6,507	1,352	1,420	1,364	1,379	3,134	3,122	619	587
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	52.2	52.8	63.3	63.5	73.0	72.4	46.4	46.8	11.6	13.3
Ill health, disability	7.7	8.4	1.6	1.8	3.1	2.9	10.4	11.5	17.4	21.0
Retirement, old age	3.7	2.9	--	--	--	--	1.0	.5	33.5	29.5
Economic reasons	19.5	18.5	17.3	16.5	10.8	11.0	23.5	22.1	22.6	21.5
End of seasonal job	8.5	9.0	9.2	9.9	3.4	5.6	10.0	9.9	10.5	9.6
Slack work	4.3	3.4	3.3	2.1	2.9	1.9	5.4	4.5	4.4	3.9
End of temporary job	6.7	6.2	4.9	4.4	4.5	3.6	8.2	7.8	7.7	8.0
All other reasons	16.9	17.3	17.8	18.3	13.1	13.7	18.7	19.0	14.8	14.7

**HOUSEHOLD DATA
ANNUAL AVERAGES**

A-34: Most recent work experience of persons not in labor force and reasons for leaving last job for those who worked during previous 12 months by color and sex

Most recent work experience and reason leaving job	White				Negro and other races			
	Male		Female		Male		Female	
	1970	1969	1970	1969	1970	1969	1970	1969
Total not in labor force (in thousands)	11,475	11,164	37,119	36,969	1,590	1,508	4,092	3,955
Never worked	1,442	1,312	7,415	7,183	313	287	910	835
Last worked over 5 years ago	4,763	4,454	18,252	18,140	555	513	1,653	1,524
Last worked 1 to 5 years ago	2,087	2,173	5,811	6,021	245	264	699	713
Left job previous 12 months	3,183	3,224	5,640	5,625	477	445	830	882
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	44.6	46.6	52.7	54.0	41.4	44.1	49.1	45.2
Ill health, disability	10.7	11.2	6.8	7.5	13.7	14.2	13.6	14.3
Retirement, old age	13.0	12.5	4.1	3.2	5.0	5.6	1.0	1.2
Economic reasons	14.7	12.5	19.3	18.0	20.8	19.1	20.8	21.8
End of seasonal job	7.1	6.9	8.0	8.2	10.7	12.8	11.6	13.6
Slack work	4.0	2.4	4.3	3.3	5.0	3.4	4.8	3.6
End of temporary job	3.7	3.2	7.0	6.4	5.0	2.9	4.5	4.5
All other reasons	17.0	17.1	17.1	17.3	19.1	16.9	15.5	17.5

A-35: Industry and occupation of last job for persons not in labor force who worked during previous 12 months by reasons leaving job

1970

Industry and class of worker and major occupation	Total (thousands of persons)	Reason left job (percent distribution)					
		Total	School, home responsibilities	Ill health, disability	Retirement, old age	Economic reasons	All other
Total who left jobs in previous 12 months	10,130	100.0	49.3	8.9	6.7	18.0	17.1
Industry							
Agriculture ¹	688	100.0	24.6	7.1	3.8	31.1	33.4
Unpaid family workers	204	100.0	7.8	1.5	1.0	3.9	85.8
Wage and salary workers	418	100.0	35.3	6.0	1.2	46.5	11.0
Nonagricultural industries	9,394	100.0	51.4	8.7	7.0	17.0	15.9
Self-employed workers	357	100.0	29.2	15.2	18.0	19.9	17.7
Unpaid family workers	190	100.0	17.9	2.6	1.6	5.3	72.6
Wage and salary workers	8,847	100.0	53.0	8.6	6.6	17.2	14.6
Private household workers	450	100.0	42.4	12.2	2.9	26.2	16.4
Government workers	1,432	100.0	49.1	4.8	10.9	23.0	12.2
All other ²	6,964	100.0	54.5	9.1	6.0	15.4	15.0
Construction	373	100.0	43.7	15.3	6.4	19.6	15.0
Manufacturing	1,753	100.0	49.2	11.7	9.8	14.0	15.2
Transportation and public utilities	301	100.0	55.8	8.3	13.0	11.6	11.3
Trade	2,477	100.0	57.1	7.8	2.9	16.1	16.1
Finance and services	2,020	100.0	57.8	7.4	5.2	15.4	14.1
Occupation							
White-collar workers	4,393	100.0	54.1	5.7	7.4	17.5	15.3
Professional and technical	976	100.0	54.1	4.1	10.5	18.7	12.6
Managers, officials, and proprietors	305	100.0	26.9	15.1	28.2	13.1	16.7
Clerical and sales	3,112	100.0	56.7	5.3	4.4	17.5	16.0
Blue-collar workers	2,880	100.0	46.1	12.4	8.6	16.7	16.2
Craftsmen and foremen	487	100.0	29.0	20.0	21.2	15.4	14.4
Operatives	1,577	100.0	47.5	12.4	7.0	16.7	16.7
Nonfarm laborers	816	100.0	53.6	7.8	4.2	18.0	16.4
Service workers	2,191	100.0	52.3	10.0	3.8	16.9	17.0
Farm workers	618	100.0	23.6	7.1	3.7	31.2	34.3

¹Includes small number of self-employed workers, not shown separately.

²Includes forestries, fisheries, and mining, not shown separately.

**HOUSEHOLD DATA
ANNUAL AVERAGES**
A-36: Work-seeking intentions of persons not in labor force and major characteristics of those who intend to seek work within next 12 months by sex and color

Work-seeking intentions, most recent work experience, and major occupation	Total		Male		Female	
	1970	1969	1970	1969	1970	1969
Total						
Total not in labor force (in thousands)	54,275	53,596	13,065	12,672	41,210	40,294
Do not intend to seek work	46,021	44,889	10,024	9,595	35,997	35,294
Intend to seek work in next 12 months	8,254	8,707	3,041	3,077	5,213	5,630
Never worked	1,582	1,680	579	570	1,003	1,111
Last worked over 5 years ago	838	984	95	102	743	882
Last worked 1 to 5 years ago	1,394	1,433	368	378	1,025	1,055
Worked during previous 12 months	4,440	4,609	1,998	2,027	2,442	2,582
Percent distribution by occupation	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	38.4	37.1	23.2	23.9	51.2	47.5
Professional and technical	9.0	8.5	7.7	8.0	10.1	8.9
Managerial	1.8	2.0	2.5	2.6	1.3	1.5
Clerical and sales	27.5	26.6	13.0	13.3	39.8	37.1
Blue-collar workers	33.3	33.2	53.3	53.3	16.4	17.4
Craftsman and foremen	5.1	4.8	10.2	10.1	.7	.7
Operatives	16.4	17.8	18.0	20.2	14.9	16.0
Nonfarm laborers	11.9	10.5	25.0	23.0	.8	.7
Service workers	22.8	23.4	14.9	14.0	29.5	30.8
Farm workers	5.5	6.3	8.6	8.8	2.9	4.4
White						
Total not in labor force (in thousands)	48,594	48,133	11,475	11,164	37,119	36,969
Do not intend to seek work	41,786	40,983	8,899	8,543	32,887	32,440
Intend to seek work in next 12 months	6,808	7,150	2,576	2,621	4,232	4,529
Never worked	1,276	1,337	473	461	803	876
Last worked over 5 years ago	701	832	77	79	624	753
Last worked 1 to 5 years ago	1,116	1,130	309	323	807	807
Worked during previous 12 months ¹	3,716	3,850	1,717	1,757	1,999	2,093
Negro and other races						
Total not in labor force (in thousands)	5,682	5,463	1,590	1,508	4,092	3,955
Do not intend to seek work	4,237	3,906	1,126	1,052	3,111	2,854
Intend to seek work in next 12 months	1,445	1,557	464	456	981	1,101
Never worked	306	344	106	109	200	235
Last worked over 5 years ago	136	151	17	22	119	129
Last worked 1 to 5 years ago	278	303	59	55	219	248
Worked during previous 12 months ¹	725	759	282	270	443	489

¹Occupational data not available by color.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

144

B-1: Employees on nonagricultural payrolls, by industry

(In thousands)

Industry	1970 p	1969	1968	1967	Change from	
					1969-1970	1968-1969
TOTAL	70,669	70,274	67,915	65,857	395	2,359
GOODS-PRODUCING	23,369	24,225	23,672	23,268	-856	553
MINING	622	619	606	613	3	13
CONTRACT CONSTRUCTION	3,346	3,437	3,285	3,208	-91	152
MANUFACTURING	19,401	20,169	19,781	19,447	-768	388
DURABLE GOODS	11,210	11,893	11,626	11,439	-683	267
Ordnance and accessories	248.8	318.8	338.0	317.2	-70.0	-19.2
Lumber and wood products	580.2	609.2	600.1	596.8	-29.0	9.1
Furniture and fixtures	459.9	483.5	471.6	455.4	-23.6	11.9
Stone, clay, and glass products	637.6	656.3	635.5	628.3	-18.7	20.8
Primary metal industries	1,308.2	1,358.0	1,315.5	1,322.1	-49.8	42.5
Fabricated metal products	1,387.2	1,442.1	1,390.4	1,363.1	-54.9	51.7
Machinery, except electrical	1,966.3	2,027.7	1,965.9	1,969.6	-61.4	61.8
Electrical equipment	1,916.2	2,013.0	1,974.5	1,958.9	-96.8	38.5
Transportation equipment	1,822.2	2,067.1	2,038.6	1,948.5	-244.9	28.5
Instruments and related products	458.8	476.5	461.9	450.8	-17.7	14.6
Miscellaneous manufacturing	424.4	440.2	433.4	428.4	-15.8	6.8
NONDURABLE GOODS	8,190	8,277	8,155	8,008	-87	122
Food and kindred products	1,795.8	1,795.9	1,781.5	1,786.3	-.1	14.4
Tobacco manufactures	79.2	82.0	84.6	86.5	-2.8	-2.6
Textile-mill products	964.8	998.7	993.9	958.5	-33.9	4.8
Apparel and other textile products	1,385.0	1,412.3	1,405.8	1,397.5	-27.3	6.5
Paper and allied products	709.8	712.1	691.2	679.1	-2.3	20.9
Printing and publishing	1,106.4	1,093.3	1,065.1	1,047.8	13.1	28.2
Chemicals and allied products	1,057.0	1,060.7	1,029.9	1,001.4	-3.7	30.8
Petroleum and coal products	192.0	182.9	186.8	183.2	9.1	-3.9
Rubber and plastics products, nec	571.7	593.9	561.3	516.4	-22.2	32.6
Leather and leather products	328.6	345.1	355.2	350.9	-16.5	-10.1
SERVICE-PRODUCING	47,300	46,048	44,244	42,589	1,252	1,804
TRANSPORTATION AND PUBLIC UTILITIES	4,499	4,431	4,310	4,261	68	121
WHOLESALE AND RETAIL TRADE	14,947	14,645	14,084	13,606	302	561
WHOLESALE TRADE	3,849	3,738	3,611	3,525	111	127
RETAIL TRADE	11,098	10,907	10,473	10,081	191	434
FINANCE, INSURANCE, AND REAL ESTATE	3,679	3,557	3,382	3,225	122	175
SERVICES	11,577	11,211	10,623	10,099	366	588
GOVERNMENT	12,599	12,204	11,845	11,398	395	359
FEDERAL	2,707	2,758	2,737	2,719	-51	21
STATE AND LOCAL	9,893	9,446	9,109	8,679	447	337

p - preliminary.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**
**B-2: Production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry**

(In thousands)

Industry	1970 p	1969	1968	1967	Change from	
					1969-1970	1968-1969
TOTAL PRIVATE	47,939	48,093	46,475	45,169	-154	1,618
MINING	473	472	461	469	1	11
CONTRACT CONSTRUCTION	2,792	2,898	2,768	2,708	-106	130
MANUFACTURING	14,057	14,768	14,514	14,308	-711	254
DURABLE GOODS	8,052	8,648	8,457	8,364	-596	191
Ordnance and accessories	135.5	183.5	191.7	174.1	-48.0	-8.2
Lumber and wood products	499.5	528.6	520.8	518.7	-29.1	7.8
Furniture and fixtures	378.9	401.2	389.5	374.9	-22.3	11.7
Stone, clay, and glass products	506.5	526.2	509.0	499.9	-19.7	17.2
Primary metal industries	1,037.8	1,084.7	1,046.3	1,060.1	-46.9	38.4
Fabricated metal products	1,057.0	1,109.8	1,071.8	1,053.5	-52.8	38.0
Machinery, except electrical	1,311.8	1,378.7	1,342.5	1,368.8	-66.9	36.2
Electrical equipment	1,267.8	1,340.8	1,319.1	1,322.2	-73.0	21.7
Transportation equipment	1,251.6	1,456.3	1,441.1	1,371.4	-204.7	15.2
Instruments and related products	278.0	294.3	284.9	281.8	-16.3	9.4
Miscellaneous manufacturing	327.4	344.0	340.3	338.3	-16.6	3.7
NONDURABLE GOODS	6,005	6,120	6,056	5,944	-115	64
Food and kindred products	1,209.0	1,205.2	1,191.6	1,187.3	3.8	13.6
Tobacco manufactures	66.0	68.7	72.0	73.9	-2.7	-3.3
Textile-mill products	847.0	880.8	880.7	850.2	-33.8	.1
Apparel and other textile products	1,214.0	1,240.7	1,240.1	1,237.2	-26.7	.6
Paper and allied products	546.8	551.5	536.2	526.3	-4.7	15.3
Printing and publishing	681.8	681.9	666.9	661.6	-1.1	15.0
Chemicals and allied products	606.4	622.4	610.0	592.3	-16.0	12.4
Petroleum and coal products	117.4	112.6	118.1	114.7	4.8	-5.5
Rubber and plastics products, nec.	436.5	459.8	434.6	397.0	-23.3	25.2
Leather and leather products	280.5	296.0	306.2	303.7	-15.5	-10.2
TRANSPORTATION AND PUBLIC UTILITIES	3,899	3,851	3,749	3,712	48	102
WHOLESALE AND RETAIL TRADE	13,291	13,039	12,528	12,121	252	511
WHOLESALE TRADE	3,235	3,144	3,036	2,971	91	108
RETAIL TRADE	10,056	9,895	9,492	9,151	161	403
FINANCE, INSURANCE, AND REAL ESTATE	2,907	2,828	2,687	2,566	79	141
SERVICES	10,520	10,237	9,768	9,284	283	469

¹For coverage of series, see footnote 1, table B-2 (page 59).
p = preliminary.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

146

**B-3: Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry**

Industry	Average weekly hours				Average hourly earnings				Average weekly earnings			
	1970 p	1969	1968	1967	1970 p	1969	1968	1967	1970 p	1969	1968	1967
TOTAL PRIVATE	37.2	37.7	37.8	38.0	\$3.22	\$3.04	\$2.85	\$2.68	\$119.78	\$114.61	\$107.73	\$101.84
MINING	42.6	43.0	42.6	42.6	3.84	3.60	3.35	3.19	163.58	154.80	142.71	135.89
CONTRACT CONSTRUCTION	37.4	37.9	37.4	37.7	5.22	4.78	4.41	4.11	195.23	181.16	164.93	154.95
MANUFACTURING	39.8	40.6	40.7	40.6	3.36	3.19	3.01	2.83	133.73	129.51	122.51	114.90
<i>Overtime hours</i>	3.0	3.6	3.6	3.4	-	-	-	-	-	-	-	-
DURABLE GOODS	40.3	41.3	41.4	41.2	3.56	3.39	3.19	3.00	143.47	140.01	132.07	123.60
<i>Overtime hours</i>	2.9	3.8	3.8	3.5	-	-	-	-	-	-	-	-
Ordnance and accessories	40.6	40.4	41.5	41.7	3.62	3.42	3.26	3.18	146.97	138.17	135.29	132.61
Lumber and wood products	39.7	40.2	40.6	40.2	2.96	2.74	2.57	2.37	117.51	110.15	104.34	95.27
Furniture and fixtures	39.2	40.4	40.6	40.4	2.77	2.62	2.47	2.33	108.58	105.85	100.28	94.13
Stone, clay, and glass products	41.3	42.0	41.8	41.6	3.40	3.19	2.99	2.82	140.42	133.98	124.98	117.31
Primary metal industries	40.4	41.8	41.6	41.1	3.94	3.79	3.55	3.34	159.18	158.42	147.68	137.27
Fabricated metal products	40.7	41.6	41.7	41.5	3.53	3.34	3.16	2.98	143.67	138.94	131.77	123.67
Machinery, except electrical	41.1	42.5	42.1	42.6	3.77	3.58	3.36	3.19	154.95	152.15	141.46	135.89
Electrical equipment	39.8	40.4	40.3	40.2	3.29	3.09	2.93	2.77	130.94	124.84	118.08	111.35
Transportation equipment	40.3	41.5	42.2	41.4	4.06	3.90	3.69	3.44	163.62	161.85	155.72	142.42
Instruments and related products	40.1	40.7	40.5	41.3	3.34	3.15	2.98	2.85	133.93	128.21	120.69	117.71
Miscellaneous manufacturing	38.7	39.0	39.4	39.4	2.83	2.66	2.50	2.35	109.52	103.74	98.50	92.59
NONDURABLE GOODS	39.1	39.7	39.8	39.7	3.08	2.91	2.74	2.57	120.43	115.53	109.05	102.03
<i>Overtime hours</i>	3.0	3.4	3.3	3.1	-	-	-	-	-	-	-	-
Food and kindred products	40.5	40.8	40.8	40.9	3.16	2.96	2.80	2.64	127.98	120.77	114.24	107.98
Tobacco manufactures	37.5	37.4	37.9	38.6	2.92	2.62	2.48	2.27	109.50	97.99	93.99	87.62
Textile mill products	39.9	40.8	41.2	40.9	2.45	2.34	2.21	2.06	97.76	95.47	91.05	84.25
Apparel and other textile products	35.3	35.9	36.1	36.0	2.40	2.31	2.21	2.03	84.72	82.93	79.78	73.08
Paper and allied products	41.9	43.0	42.9	42.8	3.44	3.24	3.05	2.87	144.14	139.32	130.85	122.84
Printing and publishing	37.7	38.4	38.3	38.4	3.92	3.69	3.48	3.28	147.78	141.70	133.28	125.95
Chemicals and allied products	41.6	41.8	41.8	41.6	3.69	3.47	3.26	3.10	153.50	145.05	136.27	128.96
Petroleum and coal products	42.7	42.6	42.5	42.7	4.27	4.00	3.75	3.58	182.33	170.40	159.38	152.87
Rubber and plastics products, nec	40.3	41.1	41.5	41.4	3.20	3.07	2.92	2.74	128.96	126.18	121.18	113.44
Leather and leather products	37.3	37.2	38.3	38.1	2.49	2.36	2.23	2.07	92.88	87.79	85.41	78.87
TRANSPORTATION AND PUBLIC UTILITIES	40.5	40.7	40.6	40.5	3.85	3.63	3.42	3.24	155.93	147.74	138.85	131.22
WHOLESALE AND RETAIL TRADE	35.3	35.6	36.0	36.5	2.71	2.56	2.40	2.24	95.66	91.14	86.40	81.76
WHOLESALE TRADE	40.0	40.2	40.1	40.3	3.44	3.23	3.05	2.88	137.60	129.85	122.31	116.06
RETAIL TRADE	33.8	34.2	34.7	35.3	2.44	2.30	2.16	2.01	82.47	78.66	74.95	70.95
FINANCE, INSURANCE, AND REAL ESTATE	36.8	37.1	37.0	37.0	3.07	2.92	2.75	2.58	112.98	108.33	101.75	95.46
SERVICES	34.5	34.7	34.7	35.1	2.84	2.63	2.43	2.29	97.78	91.26	84.32	80.38

¹For coverage of series, see footnote 1, table B-2 (page 59).
p = preliminary unweighted averages.

QUARTERLY AVERAGES

Seasonally Adjusted Data

	Page
1: Employment status of the noninstitutional population by sex and age, seasonally adjusted . . .	148
2: Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted	149
3: Employment status by color, sex, and age, seasonally adjusted.	150
4: Unemployed persons by duration of unemployment, seasonally adjusted	150
5: Major unemployment indicators, seasonally adjusted	151
6: Rates of unemployment by sex and age, seasonally adjusted	152
7: Unemployed persons by reason for unemployment, seasonally adjusted.	152
8: Employed persons by sex and age, seasonally adjusted.	153
9: Employed persons by major occupation group, seasonally adjusted	153

Persons Not In Labor Force

1: Labor force status of civilian noninstitutional population by age, sex, and reasons for nonparticipation	154
2: Reasons for nonparticipation in labor force by age and sex.	155
3: Reasons for nonparticipation in labor force by age, color, and sex.	156
4: Job desire of persons not in labor force and reasons for not seeking work by age and sex.	157
5: Job desire of persons not in labor force and reasons for not seeking work by color and sex.	158
6: Persons not in labor force who desire to work but think they cannot get jobs by age, color, sex, and detailed reason	158
7: Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age and sex	159
8: Most recent work experience of persons not in labor force and reasons leaving last job for those who worked during previous 12 months by color and sex.	160
9: Industry and occupation of last job for persons not in labor force who worked during previous 12 months by reasons leaving job.	160
10: Work-seeking intentions of persons not in labor force and major characteristics of those who intend to seek work within next 12 months by sex and color	161

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

148

1: Employment status of the noninstitutional population by sex and age, seasonally adjusted

(In thousands)

Employment status, sex, and age	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
Total													
Total labor force	86,441	85,972	85,743	85,759	84,982	84,566	83,876	83,596	82,638	82,411	82,265	81,757	81,650
Civilian labor force	83,397	82,840	82,517	82,410	81,495	81,035	80,355	80,111	79,098	78,822	78,729	78,283	78,183
Employed	78,564	78,502	78,533	78,992	78,570	78,090	77,550	77,418	76,409	76,017	75,898	75,392	75,121
Agriculture	3,344	3,446	3,584	3,492	3,439	3,558	3,707	3,754	3,696	3,753	3,874	3,984	3,944
Nonagricultural industries	75,220	75,056	74,948	75,500	75,131	74,532	73,843	73,664	72,713	72,264	72,024	71,408	71,177
On part time for economic reasons	2,424	2,245	2,238	1,891	1,878	1,892	1,757	1,693	1,699	1,747	1,723	1,688	1,893
Usually work full time	1,310	1,199	1,260	1,058	1,023	991	920	885	890	948	907	835	1,028
Usually work part time	1,113	1,045	978	833	855	901	837	807	809	799	816	854	864
Unemployed	4,833	4,338	3,985	3,419	2,925	2,945	2,805	2,693	2,689	2,805	2,831	2,891	3,062
Men, 20 years and over													
Total labor force	50,120	50,022	49,986	49,788	49,574	49,511	49,306	49,250	49,003	48,991	48,791	48,540	48,438
Civilian labor force	47,475	47,304	47,193	46,907	46,570	46,455	46,211	46,185	45,928	45,890	45,830	45,748	45,667
Employed	45,472	45,490	45,594	45,639	45,533	45,428	45,279	45,297	45,006	44,900	44,831	44,702	44,603
Agriculture	2,454	2,542	2,610	2,496	2,519	2,636	2,689	2,702	2,727	2,784	2,848	2,910	2,868
Nonagricultural industries	43,018	42,948	42,984	43,143	43,014	42,792	42,590	42,595	42,279	42,116	41,983	41,792	41,735
Unemployed	2,004	1,814	1,599	1,268	1,037	1,027	932	888	922	990	999	1,046	1,064
Women, 20 years and over													
Civilian labor force	28,576	28,382	28,062	28,145	27,771	27,608	27,207	27,091	26,595	26,312	26,212	25,976	26,099
Employed	27,023	26,972	26,757	27,000	26,753	26,561	26,185	26,119	25,641	25,327	25,235	24,954	24,980
Agriculture	523	522	570	600	565	555	613	668	619	575	610	650	671
Nonagricultural industries	26,500	26,450	26,186	26,401	26,188	26,006	25,572	25,451	25,022	24,752	24,625	24,304	24,309
Unemployed	1,553	1,411	1,305	1,144	1,018	1,047	1,022	972	954	985	977	1,022	1,119
Both sexes, 16-19 years													
Civilian labor force	7,346	7,154	7,263	7,358	7,154	6,972	6,937	6,835	6,575	6,620	6,687	6,559	6,417
Employed	6,070	6,041	6,182	6,352	6,284	6,101	6,086	6,002	5,962	5,790	5,832	5,736	5,538
Agriculture	367	382	404	396	355	367	405	384	350	394	416	424	405
Nonagricultural industries	5,703	5,659	5,778	5,957	5,929	5,734	5,681	5,618	5,412	5,396	5,416	5,312	5,133
Unemployed	1,276	1,113	1,080	1,006	870	871	851	833	813	830	855	823	879

NOTE: Because of the independent seasonal adjustment of the various series, detail for the household data shown in tables 1 through 9 will not necessarily add to totals.

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

2: 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	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
Full time													
Total 16 years and over:													
Civilian labor force	71,811	71,221	70,860	70,529	70,214	70,032	69,401	69,120	68,508	68,342	68,354	68,059	68,064
Employed ¹	67,927	67,844	67,682	67,908	68,022	67,827	67,243	67,059	66,517	66,225	66,224	65,801	65,703
Unemployed	3,884	3,377	3,177	2,621	2,192	2,205	2,158	2,061	1,991	2,117	2,130	2,258	2,361
Unemployment rate	5.4	4.7	4.5	3.7	3.1	3.1	3.1	3.0	2.9	3.1	3.1	3.3	3.5
Men, 20 years and over:													
Civilian labor force	45,235	45,019	44,975	44,618	44,451	44,321	44,145	44,083	43,922	43,916	43,907	43,787	43,754
Employed ¹	43,375	43,382	43,506	43,456	43,520	43,429	43,296	43,282	43,101	43,033	43,009	42,827	42,789
Unemployed	1,860	1,638	1,469	1,162	931	891	849	801	821	883	898	960	965
Unemployment rate	4.1	3.6	3.3	2.6	2.1	2.0	1.9	1.8	1.9	2.0	2.0	2.2	2.2
Women, 20 years and over:													
Civilian labor force	22,481	22,322	22,014	22,031	21,842	21,867	21,576	21,390	20,991	20,773	20,742	20,594	20,627
Employed ¹	21,231	21,207	20,941	21,134	21,081	21,036	20,748	20,609	20,254	20,016	19,990	19,782	19,766
Unemployed	1,250	1,115	1,072	897	761	831	828	781	737	757	752	812	861
Unemployment rate	5.6	5.0	4.9	4.1	3.5	3.8	3.8	3.7	3.5	3.6	3.6	3.9	4.2
Both sexes, 16-19 years:													
Civilian labor force	4,095	3,879	3,871	3,880	3,921	3,844	3,679	3,648	3,595	3,653	3,705	3,678	3,683
Employed ¹	3,321	3,255	3,235	3,318	3,421	3,361	3,198	3,168	3,162	3,176	3,225	3,192	3,148
Unemployed	773	624	636	562	500	483	481	480	433	477	480	486	535
Unemployment rate	18.9	16.1	16.4	14.5	12.8	12.6	13.1	13.2	12.0	13.1	13.0	13.2	14.5
Part time													
Total 16 years and over:													
Civilian labor force	11,635	11,742	11,610	11,798	11,312	10,996	10,899	10,887	10,600	10,503	10,392	10,137	10,166
Employed ¹	10,674	10,799	10,813	10,961	10,599	10,262	10,254	10,220	9,938	9,834	9,680	9,457	9,475
Unemployed	962	943	797	837	713	734	645	667	662	669	712	680	691
Unemployment rate	8.3	8.0	6.9	7.1	6.3	6.7	5.9	6.1	6.2	6.4	6.9	6.7	6.8
Men, 20 years and over:													
Civilian labor force	2,248	2,284	2,229	2,274	2,118	2,135	2,087	2,076	2,006	1,960	1,958	1,915	1,919
Employed ¹	2,096	2,130	2,097	2,159	2,015	2,011	2,000	1,984	1,914	1,867	1,850	1,819	1,825
Unemployed	152	154	132	114	103	124	88	92	92	93	108	96	94
Unemployment rate	6.8	6.7	5.9	5.0	4.9	5.8	4.2	4.4	4.6	4.7	5.5	5.0	4.9
Women, 20 years and over:													
Civilian labor force	6,018	6,077	6,067	6,121	5,855	5,746	5,661	5,685	5,534	5,559	5,506	5,363	5,377
Employed ¹	5,737	5,782	5,825	5,854	5,619	5,533	5,463	5,478	5,331	5,340	5,271	5,133	5,137
Unemployed	281	295	242	268	236	213	198	207	203	219	235	230	240
Unemployment rate	4.7	4.9	4.0	4.4	4.0	3.7	3.5	3.6	3.7	3.9	4.3	4.3	4.5
Both sexes, 16-19 years:													
Civilian labor force	3,369	3,381	3,313	3,403	3,338	3,114	3,151	3,126	3,060	2,984	2,928	2,859	2,870
Employed ¹	2,841	2,887	2,890	2,948	2,964	2,717	2,792	2,758	2,693	2,627	2,559	2,505	2,513
Unemployed	529	494	423	455	374	397	359	367	367	357	369	354	357
Unemployment rate	15.7	14.6	12.8	13.4	11.2	12.7	11.4	11.7	12.0	12.0	12.6	12.4	12.4

¹Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

150

3: Employment status by color, sex, and age, seasonally adjusted

(In thousands)

Characteristics	1970				1969				1968				1967	
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	
White														
Total:														
Civilian labor force	74,242	73,525	73,263	73,316	72,475	71,942	71,466	71,285	70,392	70,045	69,851	69,587	69,440	
Employed	70,226	69,956	70,059	70,527	70,096	69,575	69,260	69,135	68,267	67,804	67,617	67,311	67,032	
Unemployed	4,016	3,568	3,204	2,789	2,379	2,367	2,206	2,150	2,125	2,241	2,234	2,276	2,408	
Unemployment rate	5.4	4.9	4.4	3.8	3.3	3.3	3.1	3.0	3.0	3.2	3.2	3.3	3.5	
Males, 20 years and over:														
Civilian labor force	42,741	42,503	42,463	42,245	41,956	41,842	41,639	41,656	41,423	41,373	41,235	41,230	41,175	
Employed	41,048	40,986	41,131	41,180	41,091	40,995	40,871	40,926	40,677	40,553	40,405	40,376	40,300	
Unemployed	1,693	1,517	1,332	1,065	865	847	768	730	746	820	830	854	875	
Unemployment rate	3.9	3.6	3.1	2.5	2.1	2.0	1.8	1.8	1.8	2.0	2.0	2.1	2.1	
Females, 20 years and over:														
Civilian labor force	24,938	24,664	24,378	24,513	24,156	23,949	23,684	23,566	23,122	22,843	22,741	22,565	22,632	
Employed	23,653	23,504	23,347	23,587	23,327	23,120	22,891	22,794	22,372	22,066	21,987	21,777	21,766	
Unemployed	1,286	1,159	1,032	926	829	829	793	772	750	777	754	788	866	
Unemployment rate	5.1	4.7	4.2	3.8	3.4	3.5	3.3	3.3	3.2	3.4	3.3	3.5	3.8	
Both sexes, 16 to 19 years:														
Civilian labor force	6,563	6,358	6,422	6,558	6,363	6,151	6,143	6,063	5,847	5,829	5,875	5,792	5,633	
Employed	5,525	5,466	5,581	5,760	5,678	5,460	5,498	5,415	5,218	5,185	5,225	5,158	4,966	
Unemployed	1,038	892	841	798	685	691	645	648	629	644	650	634	667	
Unemployment rate	15.8	14.0	13.1	12.2	10.8	11.2	10.5	10.7	10.8	11.0	11.1	10.9	11.8	
Negro and other races														
Total:														
Civilian labor force	9,167	9,210	9,226	9,224	9,056	8,979	8,867	8,914	8,737	8,700	8,828	8,762	8,733	
Employed	8,332	8,423	8,447	8,598	8,500	8,394	8,271	8,371	8,164	8,132	8,233	8,147	8,073	
Unemployed	835	787	779	626	556	585	596	543	573	568	595	615	660	
Unemployment rate	9.1	8.5	8.4	6.8	6.1	6.5	6.7	6.1	6.6	6.5	6.7	7.0	7.6	
Males, 20 years and over:														
Civilian labor force	4,747	4,777	4,706	4,700	4,622	4,593	4,549	4,554	4,513	4,517	4,562	4,543	4,496	
Employed	4,428	4,484	4,434	4,498	4,445	4,416	4,382	4,397	4,335	4,349	4,388	4,351	4,305	
Unemployed	320	293	272	201	177	177	167	157	178	168	174	192	191	
Unemployment rate	6.8	6.1	5.8	4.3	3.8	3.9	3.7	3.4	3.9	3.7	3.8	4.2	4.2	
Females, 20 years and over:														
Civilian labor force	3,639	3,653	3,688	3,682	3,616	3,595	3,535	3,550	3,468	3,414	3,467	3,433	3,444	
Employed	3,374	3,392	3,416	3,468	3,429	3,372	3,307	3,352	3,264	3,205	3,246	3,200	3,191	
Unemployed	265	260	272	215	187	223	228	198	204	209	221	233	253	
Unemployment rate	7.3	7.1	7.4	5.8	5.2	6.2	6.4	5.6	5.9	6.1	6.4	6.8	7.3	
Both sexes, 16 to 19 years:														
Civilian labor force	781	780	832	842	818	791	783	810	756	769	799	786	793	
Employed	530	547	597	632	626	606	582	622	565	578	599	596	577	
Unemployed	250	234	235	210	192	185	201	188	191	191	200	190	216	
Unemployment rate	32.0	30.0	28.2	24.9	23.5	23.4	25.7	23.2	25.3	24.8	25.0	24.2	27.2	

4: Unemployed persons by duration of unemployment, seasonally adjusted

(In thousands)

Duration of unemployment	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
Less than 5 weeks	2,345	2,199	2,158	1,908	1,652	1,686	1,670	1,531	1,523	1,618	1,618	1,603	1,641
5 to 14 weeks	1,618	1,385	1,197	1,028	896	891	733	792	808	807	799	821	963
15 weeks and over	887	746	622	473	381	392	389	345	353	409	408	466	466
15 to 26 weeks	581	483	391	315	251	241	255	227	219	254	253	289	290
27 weeks and over	306	263	231	158	130	151	134	118	133	154	155	178	175
Average (mean) duration	9.2	9.0	8.9	8.1	7.8	8.0	8.2	8.0	8.1	8.3	8.6	9.0	8.7

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

5: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
Total (all civilian workers)	5.8	5.2	4.8	4.1	3.6	3.6	3.5	3.4	3.4	3.6	3.6	3.7	3.7
Men, 20 years and over	4.2	3.8	3.4	2.7	2.2	2.2	2.0	1.9	2.0	2.2	2.2	2.3	2.3
Women, 20 years and over	5.4	5.0	4.7	4.1	3.7	3.8	3.8	3.6	3.6	3.7	3.7	3.9	4.3
Both sexes, 16-19 years	17.4	15.6	14.9	13.7	12.2	12.5	12.3	12.2	12.4	12.5	12.8	12.5	13.7
White	5.4	4.9	4.4	3.8	3.3	3.3	3.1	3.0	3.0	3.2	3.2	3.3	3.5
Negro and other races	9.1	8.5	8.4	6.8	6.1	6.5	6.7	6.1	6.6	6.5	6.7	7.0	7.6
Married men	3.2	2.8	2.5	2.0	1.6	1.6	1.5	1.4	1.5	1.6	1.6	1.7	1.8
Full-time workers	5.4	4.7	4.5	3.7	3.1	3.1	3.1	3.0	2.9	3.1	3.1	3.3	3.5
Part-time workers	8.2	8.0	6.9	7.1	6.3	6.7	5.9	6.1	6.4	6.4	6.8	6.5	7.0
Unemployed 15 weeks and over ¹	1.1	.9	.7	.6	.5	.5	.5	.4	.4	.5	.5	.6	.6
State insured ²	4.4	3.8	3.5	2.6	2.3	2.2	2.1	2.1	2.1	2.2	2.2	2.3	2.4
Labor force time lost ³	6.2	5.6	5.1	4.5	4.1	4.1	3.8	3.7	3.8	4.0	3.9	4.1	4.4
Occupation													
White-collar workers	3.5	2.9	2.8	2.4	2.2	2.2	2.0	2.0	1.9	2.0	2.0	2.0	2.2
Professional and technical	2.5	2.0	1.9	1.9	1.5	1.4	1.3	1.1	1.2	1.3	1.2	1.2	1.3
Managers, officials, and proprietors	1.6	1.5	1.3	1.0	.9	1.0	.9	.9	1.0	1.1	.9	.9	1.0
Clerical workers	5.0	4.1	4.0	3.3	3.2	3.2	2.8	2.9	2.8	2.9	3.0	3.1	3.4
Sales workers	4.6	3.9	4.0	3.2	2.8	3.0	2.9	2.9	2.8	2.6	2.7	3.0	3.2
Blue-collar workers	7.4	7.0	6.0	4.9	4.3	4.0	3.8	3.7	3.8	4.2	4.0	4.4	4.5
Craftsmen and foremen	4.4	4.9	3.9	2.6	2.2	2.2	2.1	2.1	2.2	2.4	2.4	2.5	2.5
Operatives	8.7	7.6	6.6	5.7	5.0	4.4	4.3	4.1	4.3	4.5	4.3	4.8	5.1
Nonfarm laborers	10.5	10.6	9.4	7.9	6.9	7.2	6.5	6.4	6.7	7.4	7.0	7.7	7.8
Service workers	5.9	5.6	5.0	4.7	3.9	4.5	4.4	4.0	4.3	4.5	4.6	4.3	4.9
Farm workers	2.9	3.2	2.5	2.1	1.8	2.2	1.9	1.6	2.4	2.3	2.3	1.9	2.3
Industry													
Private wage and salary workers ⁴	6.2	5.7	5.1	4.2	3.7	3.7	3.5	3.4	3.4	3.6	3.6	3.7	4.0
Construction	10.7	12.3	10.3	7.7	6.2	6.8	5.6	5.7	6.0	6.4	6.8	7.8	6.9
Manufacturing	7.1	5.9	5.1	4.4	3.7	3.3	3.2	3.1	3.1	3.3	3.2	3.4	3.7
Durable goods	7.7	5.9	5.0	4.4	3.5	2.9	3.0	2.7	2.9	3.0	2.8	3.1	3.4
Nondurable goods	6.3	6.0	5.3	4.3	4.0	3.8	3.4	3.6	3.4	3.7	3.8	3.9	4.2
Transportation and public utilities	3.7	3.1	3.5	2.8	2.5	2.0	2.2	2.0	2.0	2.3	1.6	2.0	2.4
Wholesale and retail trade	6.1	5.6	5.3	4.6	4.0	4.3	4.2	3.9	4.0	3.9	4.0	4.2	4.5
Finance and service industries	4.7	4.8	4.0	3.4	3.0	3.5	3.3	3.1	3.1	3.5	3.5	3.4	3.7
Government wage and salary workers	2.8	2.0	2.1	2.1	2.2	1.9	1.7	1.7	1.7	1.9	1.8	1.9	2.1
Agricultural wage and salary workers	8.7	9.0	6.9	6.2	6.0	7.3	5.6	5.4	5.4	7.5	6.7	5.6	6.8

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
QUARTERLY AVERAGES**

6: Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
Total, 16 years and over	5.8	5.2	4.8	4.1	3.6	3.6	3.5	3.4	3.4	3.6	3.6	3.7	3.9
16 to 19 years.....	17.4	15.6	14.9	13.7	12.2	12.5	12.3	12.2	12.4	12.5	12.8	12.6	13.7
16 and 17 years.....	19.2	17.5	16.8	16.4	14.8	15.5	14.1	13.8	14.3	14.2	14.7	15.1	15.4
18 and 19 years.....	15.8	14.2	13.6	11.9	10.0	10.3	11.0	11.1	10.8	11.3	11.4	11.0	12.2
20 to 24 years.....	9.7	8.9	7.8	6.7	6.0	5.9	5.5	5.4	5.8	5.8	5.8	6.0	5.9
25 years and over.....	3.9	3.5	3.2	2.7	2.3	2.3	2.2	2.1	2.1	2.3	2.3	2.4	2.6
25 to 54 years.....	4.1	3.6	3.3	2.7	2.3	2.4	2.3	2.2	2.2	2.3	2.3	2.4	2.7
55 years and over.....	3.3	2.9	3.0	2.3	2.1	2.1	1.9	1.9	2.1	2.1	2.2	2.3	2.5
Males, 16 years and over	5.2	4.7	4.3	3.5	2.9	2.9	2.7	2.7	2.7	2.8	2.9	3.0	3.1
16 to 19 years.....	16.8	15.5	15.0	12.7	11.5	11.7	11.2	11.4	11.3	11.1	11.6	12.0	13.1
16 and 17 years.....	19.0	17.4	16.8	15.0	13.7	14.9	13.3	13.1	13.7	13.2	14.3	13.9	15.4
18 and 19 years.....	14.8	14.1	13.9	10.9	9.3	9.0	9.4	10.0	9.4	9.4	9.2	10.3	11.1
20 to 24 years.....	10.6	9.5	7.6	6.5	5.7	5.4	4.8	4.8	4.9	5.1	5.2	5.2	5.1
25 years and over.....	3.4	3.0	2.8	2.2	1.8	1.8	1.6	1.6	1.7	1.8	1.8	1.9	2.0
25 to 54 years.....	3.4	3.0	2.8	2.1	1.6	1.7	1.6	1.5	1.6	1.7	1.7	1.8	1.8
55 years and over.....	3.4	2.9	2.9	2.4	2.1	2.0	1.7	1.8	1.9	2.0	2.1	2.3	2.6
Females, 16 years and over	6.7	6.1	5.7	5.2	4.6	4.8	4.8	4.5	4.6	4.8	4.8	4.9	5.3
16 to 19 years.....	18.0	15.6	14.7	14.9	13.0	13.5	13.8	13.2	13.6	14.3	14.3	13.3	14.2
16 and 17 years.....	19.5	17.6	16.9	18.3	16.3	16.2	15.2	14.8	15.2	15.8	15.2	16.8	15.5
18 and 19 years.....	17.1	14.2	13.3	13.1	10.7	11.7	12.9	12.5	12.5	13.4	13.7	11.8	13.4
20 to 24 years.....	8.7	8.2	8.0	7.0	6.4	6.4	6.4	6.1	6.8	6.5	6.5	6.9	6.9
25 years and over.....	4.8	4.3	3.9	3.5	3.1	3.3	3.2	3.1	3.0	3.2	3.1	3.4	3.8
25 to 54 years.....	5.3	4.8	4.2	3.8	3.4	3.6	3.5	3.4	3.2	3.5	3.4	3.6	4.3
55 years and over.....	3.0	2.9	3.2	2.2	2.1	2.3	2.2	2.1	2.3	2.2	2.2	2.5	2.3

7: Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reason for unemployment	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
Number of unemployed													
Lost last job.....	2,306	1,942	1,818	1,365	1,071	994	1,045	971	967	1,042	1,049	1,178	1,242
Left last job.....	591	575	564	466	431	456	432	421	407	431	437	453	467
Reentered labor force.....	1,342	1,317	1,137	1,140	998	1,029	919	933	888	920	924	880	912
Never worked before.....	564	502	494	488	393	444	408	410	402	402	412	407	418
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.....	48.0	44.8	45.3	39.5	37.0	34.0	37.3	35.5	36.3	37.3	37.2	40.4	40.9
Left last job.....	12.3	13.3	14.1	13.5	14.9	15.6	15.4	15.4	15.3	15.4	15.5	15.5	15.4
Reentered labor force.....	27.9	30.4	28.3	33.0	34.5	35.2	32.8	34.1	33.3	32.9	32.7	30.2	30.0
Never worked before.....	11.8	11.6	12.3	14.1	13.6	15.2	14.6	15.0	15.1	14.4	14.6	13.9	13.8
Unemployed as a percent of the civilian labor force													
Lost last job.....	2.8	2.3	2.2	1.7	1.3	1.2	1.3	1.2	1.2	1.3	1.3	1.5	1.6
Left last job.....	.7	.7	.7	.6	.5	.6	.5	.5	.5	.5	.6	.6	.6
Reentered labor force.....	1.6	1.6	1.4	1.4	1.2	1.3	1.1	1.2	1.1	1.2	1.2	1.1	1.2
Never worked before.....	.7	.6	.6	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

8: Employed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
Total													
16 years and over	78,564	78,502	78,533	78,992	78,570	78,090	77,550	77,418	76,409	76,017	75,898	75,392	75,121
16 to 19 years	6,070	6,041	6,182	6,352	6,284	6,101	6,086	6,002	5,762	5,790	5,832	5,736	5,538
16 and 17 years	2,536	2,547	2,609	2,749	2,666	2,538	2,565	2,545	2,390	2,399	2,432	2,383	2,333
18 and 19 years	3,546	3,468	3,567	3,645	3,638	3,537	3,513	3,489	3,391	3,368	3,391	3,361	3,212
20 to 24 years	9,889	9,808	9,588	9,592	9,468	9,425	9,133	8,910	8,819	8,819	8,662	8,660	8,686
25 years and over	62,620	62,631	62,754	63,081	62,826	62,550	62,204	62,312	61,748	61,402	61,391	60,999	60,921
25 to 54 years	48,565	48,562	48,692	48,904	48,722	48,411	48,153	48,270	47,807	47,541	47,560	47,367	47,148
55 years and over	14,047	14,012	14,045	14,250	14,096	14,094	14,039	14,077	13,924	13,831	13,807	13,677	13,730
Male													
16 years and over	48,894	48,805	48,986	49,192	49,024	48,826	48,699	48,729	48,312	48,173	48,098	47,855	47,705
16 to 19 years	3,423	3,315	3,392	3,553	3,491	3,398	3,420	3,432	3,306	3,273	3,267	3,153	3,102
16 and 17 years	1,488	1,476	1,498	1,580	1,562	1,512	1,516	1,537	1,453	1,448	1,461	1,446	1,432
18 and 19 years	1,949	1,825	1,886	1,995	1,949	1,871	1,894	1,918	1,867	1,815	1,797	1,722	1,678
20 to 24 years	5,343	5,267	5,185	5,122	5,083	5,069	5,005	4,884	4,858	4,806	4,764	4,821	4,843
25 years and over	40,131	40,216	40,395	40,535	40,447	40,361	40,260	40,425	40,151	40,102	40,052	39,890	39,776
25 to 54 years	31,230	31,255	31,326	31,388	31,383	31,303	31,240	31,353	31,145	31,064	31,048	30,992	30,846
55 years and over	8,908	8,942	9,059	9,179	9,073	9,042	9,012	9,091	9,009	9,023	8,992	8,916	8,916
Female													
16 years and over	29,670	29,698	29,547	29,800	29,546	29,264	28,851	28,689	28,097	27,844	27,800	27,537	27,416
16 to 19 years	2,647	2,726	2,790	2,800	2,793	2,703	2,666	2,570	2,456	2,517	2,565	2,583	2,436
16 and 17 years	1,048	1,071	1,111	1,169	1,104	1,026	1,049	1,008	937	951	971	937	901
18 and 19 years	1,597	1,643	1,681	1,650	1,689	1,666	1,619	1,571	1,524	1,553	1,594	1,639	1,534
20 to 24 years	4,546	4,541	4,403	4,470	4,385	4,356	4,247	4,249	4,052	4,013	3,898	3,839	3,843
25 years and over	22,489	22,415	22,359	22,546	22,379	22,189	21,944	21,887	21,597	21,300	21,339	21,105	21,145
25 to 54 years	17,335	17,307	17,366	17,516	17,339	17,108	16,913	16,917	16,662	16,477	16,512	16,375	16,302
55 years and over	5,138	5,072	4,986	5,071	5,023	5,052	5,027	4,986	4,915	4,808	4,815	4,761	4,814

9: Employed persons by major occupation group, seasonally adjusted

(In thousands)

Occupation group	1970				1969				1968				1967
	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th
White-collar workers	38,144	37,939	37,981	37,938	37,509	36,923	36,677	36,264	35,906	35,732	35,419	35,140	34,888
Professional and technical	11,161	11,257	11,129	11,026	10,936	10,764	10,740	10,638	10,473	10,392	10,295	10,142	10,067
Managers, officials, and proprietors	8,401	8,248	8,290	8,215	8,141	7,970	7,993	7,841	7,897	7,827	7,661	7,716	7,633
Clerical workers	13,648	13,560	13,748	13,906	13,655	13,478	13,281	13,171	12,876	12,823	12,816	12,694	12,624
Sales workers	4,935	4,873	4,815	4,791	4,777	4,711	4,663	4,614	4,660	4,690	4,647	4,588	4,564
Blue-collar workers	27,644	27,640	27,663	28,236	28,389	28,425	27,931	28,202	27,774	27,491	27,513	27,297	27,279
Craftsmen and foremen	10,193	10,078	10,109	10,264	10,265	10,174	10,044	10,298	10,147	9,972	10,003	9,936	9,827
Operatives	13,746	13,824	13,891	14,168	14,412	14,589	14,208	14,264	14,051	13,911	13,956	13,896	13,918
Nonfarm laborers	3,705	3,738	3,663	3,804	3,712	3,662	3,679	3,640	3,576	3,608	3,554	3,465	3,534
Service workers	9,793	9,795	9,589	9,673	9,589	9,493	9,467	9,558	9,411	9,385	9,395	9,337	9,330
Farmers and farm laborers	2,997	3,108	3,234	3,153	3,089	3,231	3,417	3,438	3,346	3,400	3,507	3,649	3,654

HOUSEHOLD DATA
QUARTERLY AVERAGES

Table 1. Labor force status of civilian noninstitutional population by age, sex, and reasons for nonparticipation
4th Quarter 1970

Labor force status and reasons for nonparticipation	Total	Age in years							
		16-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over
Total									
Civilian noninstitutional population (in thousands)	138,049	14,702	15,681	24,664	22,386	23,135	9,963	8,380	19,138
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	60.3	47.2	68.9	70.2	73.7	74.1	68.2	54.1	16.7
Not in labor force	39.7	52.8	31.1	29.8	26.3	25.9	31.8	45.9	83.3
In school	6.4	44.9	10.9	1.4	.5	.2	.1	--	--
Ill health, disability	3.1	.5	.8	1.1	1.8	3.3	5.4	7.2	7.8
Home responsibilities	23.7	5.1	16.9	25.7	22.2	19.9	23.1	29.7	45.0
Retirement, old age	4.4	--	--	--	--	.1	.4	6.3	28.4
Think cannot get job . . . . .	.5	.4	.6	.4	.3	.5	.3	.7	.5
All other reasons	1.7	2.0	1.9	1.2	1.5	1.9	2.5	2.0	1.5
Male									
Civilian noninstitutional population (in thousands)	64,821	7,252	7,090	11,874	10,758	11,087	4,732	3,895	8,133
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	78.8	51.7	81.9	96.3	96.8	94.1	89.3	73.9	26.1
Not in labor force	21.2	48.3	18.1	3.7	3.2	5.9	10.7	26.1	73.9
In school	7.0	44.8	14.7	1.8	.4	.2	.1	--	--
Ill health, disability	3.4	.5	.7	.9	1.6	3.7	6.5	9.7	9.2
Home responsibilities . . . . .	.3	.3	.1	.1	.1	.1	.3	.4	1.7
Retirement, old age	8.3	--	--	--	--	.2	.7	12.2	59.3
Think cannot get job . . . . .	.3	.4	.3	.2	.1	.1	.1	.6	.8
All other reasons	1.9	2.3	2.3	.8	1.0	1.7	3.0	3.2	2.9
Female									
Civilian noninstitutional population (in thousands)	73,228	7,450	8,591	12,790	11,628	12,048	5,230	4,485	11,005
Percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force	43.9	42.7	58.2	46.0	52.3	55.6	49.2	36.9	9.8
Not in labor force	56.1	57.3	41.8	54.0	47.7	44.4	50.8	63.1	90.2
In school	5.8	45.0	7.9	1.0	.5	.2	--	--	.1
Ill health, disability	2.8	.4	.9	1.3	2.0	3.0	4.4	5.1	6.7
Home responsibilities	44.4	9.7	30.7	49.6	42.7	38.1	43.7	55.1	76.9
Retirement, old age . . . . .	.9	--	--	--	--	--	.1	1.2	5.6
Think cannot get job . . . . .	.6	.5	.8	.6	.6	1.0	.5	.8	.4
All other reasons	1.5	1.7	1.5	1.6	1.9	2.1	2.0	.9	.5

HOUSEHOLD DATA QUARTERLY AVERAGES

Table 2. Reasons for nonparticipation in labor force by age and sex

Nonparticipants by reason for status	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969
Thousands of persons										
Total	54,824	53,781	7,767	7,414	4,871	4,764	22,406	22,261	19,780	19,343
In school	8,828	8,430	6,602	6,300	1,716	1,708	502	416	9	7
Ill health, disability	4,266	4,379	69	85	126	106	1,974	2,031	2,097	2,157
Home responsibilities	32,712	32,156	747	649	2,649	2,623	18,219	18,206	11,096	10,679
Retirement, old age	6,040	5,869	--	--	--	--	71	48	5,968	5,822
Think cannot get job	641	548	62	54	89	54	328	262	162	178
All other reasons	2,338	2,398	288	326	291	273	1,312	1,297	449	500
Male	13,754	13,218	3,500	3,357	1,280	1,248	1,948	1,813	7,026	6,799
In school	4,569	4,405	3,249	3,118	1,039	1,060	282	225	--	2
Ill health, disability	2,200	2,153	37	50	48	42	990	949	1,127	1,113
Home responsibilities	225	194	22	12	10	10	40	25	155	147
Retirement, old age	5,359	5,126	--	--	--	--	59	44	5,300	5,082
Think cannot get job	189	167	28	19	22	11	52	45	87	92
All other reasons	1,212	1,173	164	157	164	126	526	525	359	365
Female	41,070	40,563	4,266	4,056	3,591	3,516	20,459	20,447	12,753	12,543
In school	4,258	4,025	3,353	3,181	677	648	220	190	9	6
Ill health, disability	2,065	2,226	32	35	78	64	985	1,082	969	1,045
Home responsibilities	32,486	31,963	725	637	2,639	2,613	18,181	18,179	10,942	10,532
Retirement, old age	681	743	--	--	--	--	12	4	668	739
Think cannot get job	452	381	34	35	67	43	276	219	76	86
All other reasons	1,128	1,225	124	169	128	147	786	773	90	135
Percent distribution										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	16.1	15.7	85.0	85.0	35.2	35.9	2.2	1.9	(1)	(1)
Ill health, disability	7.8	8.1	.9	1.1	2.6	2.2	8.8	9.1	10.6	11.2
Home responsibilities	59.7	59.8	9.6	8.8	54.4	55.1	81.3	81.8	56.1	55.2
Retirement, old age	11.0	10.9	--	--	--	--	.3	.2	30.2	30.1
Think cannot get job	1.2	1.0	.8	.7	1.8	1.1	1.5	1.2	.8	.9
All other reasons	4.3	4.5	3.7	4.4	6.0	5.7	5.9	5.8	2.3	2.6
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	33.2	33.3	92.8	92.9	81.0	84.9	14.5	12.4	--	(1)
Ill health, disability	16.0	16.3	1.1	1.5	3.7	3.4	50.8	52.3	16.0	16.4
Home responsibilities	1.6	1.5	.6	.4	.8	.8	2.1	1.4	2.2	2.2
Retirement, old age	39.0	38.8	--	--	--	--	3.0	2.4	75.4	74.7
Think cannot get job	1.4	1.3	.8	.6	1.7	.9	2.7	2.5	1.2	1.4
All other reasons	8.8	8.9	4.7	4.7	12.8	10.1	27.0	29.0	5.1	5.4
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	10.4	9.9	78.6	78.4	18.9	18.4	1.1	.9	.1	(1)
Ill health, disability	5.0	5.5	.7	.9	2.2	1.8	4.8	5.3	7.6	8.3
Home responsibilities	79.1	78.8	17.0	15.7	73.5	74.3	88.9	88.9	85.8	84.0
Retirement, old age	1.7	1.8	--	--	--	--	.1	(1)	5.2	5.9
Think cannot get job	1.1	.9	.8	.9	1.9	1.2	1.3	1.1	.6	.7
All other reasons	2.7	3.0	2.9	4.2	3.6	4.2	3.8	3.8	.7	1.1

¹ Percent less than 0.05 percent.

HOUSEHOLD DATA
QUARTERLY AVERAGES

Table 3. Reasons for nonparticipation in labor force by age, color, and sex

Nonparticipants by reason for status	Total		Age in years					
			16-24		25-59		60 and over	
	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969
White								
Male (in thousands)	12,058	11,682	4,046	3,978	1,586	1,490	6,424	6,215
In school	3,931	3,823	3,692	3,625	240	196	-	2
Ill health, disability	1,837	1,777	63	78	795	761	978	937
Home responsibilities	188	157	10	20	30	13	148	124
Retirement, old age	4,955	4,783	-	-	57	43	4,897	4,740
Think cannot get job	154	149	34	22	46	41	74	87
All other reasons	991	992	249	233	416	436	328	324
Female (in thousands)	36,892	36,619	6,675	6,505	18,459	18,555	11,757	11,559
In school	3,565	3,441	3,381	3,275	176	160	9	6
Ill health, disability	1,655	1,776	82	72	752	829	821	875
Home responsibilities	29,695	29,389	2,930	2,864	16,590	16,711	10,175	9,815
Retirement, old age	619	672	-	-	12	4	606	668
Think cannot get job	355	296	69	61	228	162	58	74
All other reasons	1,003	1,044	212	233	701	688	88	121
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	32.6	32.7	91.2	91.1	15.2	13.2	-	(1)
Ill health, disability	15.2	15.2	1.6	2.0	50.2	51.1	15.2	15.1
Home responsibilities	1.6	1.3	.2	.5	1.9	.9	2.3	2.0
Retirement, old age	41.1	40.9	-	-	3.6	2.9	76.2	76.3
Think cannot get job	1.3	1.3	.8	.6	2.9	2.8	1.2	1.4
All other reasons	8.2	8.5	6.2	5.9	26.3	29.3	5.1	5.2
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	9.7	9.4	50.7	50.3	1.0	.9	.1	.1
Ill health, disability	4.5	4.9	1.2	1.1	4.1	4.5	7.0	7.6
Home responsibilities	80.5	80.3	43.9	44.0	89.9	90.1	86.6	84.9
Retirement, old age	1.7	1.8	-	-	(1)	(1)	5.2	5.8
Think cannot get job	1.0	.8	1.0	.9	1.2	.9	.5	.6
All other reasons	2.7	2.9	3.2	3.6	3.8	3.7	.7	1.0
Negro and other races								
Male (in thousands)	1,697	1,536	733	627	362	323	601	585
In school	638	582	595	553	42	29	-	-
Ill health, disability	363	377	22	14	192	188	149	175
Home responsibilities	37	36	21	2	9	12	7	23
Retirement, old age	404	343	-	-	2	1	403	342
Think cannot get job	35	18	16	9	6	4	13	5
All other reasons	220	179	81	51	110	89	30	39
Female (in thousands)	4,177	3,945	1,183	1,068	1,999	1,893	996	983
In school	694	584	650	552	44	30	-	-
Ill health, disability	410	450	28	26	235	255	148	169
Home responsibilities	2,791	2,573	435	388	1,590	1,469	767	718
Retirement, old age	62	71	-	-	-	-	62	71
Think cannot get job	96	85	32	17	47	55	18	12
All other reasons	125	182	38	83	85	84	2	14
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	37.6	37.9	81.0	87.9	11.6	9.0	-	-
Ill health, disability	21.4	24.6	3.0	2.2	53.2	58.2	24.8	30.0
Home responsibilities	2.2	2.3	2.9	.3	2.5	3.7	1.2	3.9
Retirement, old age	23.8	22.3	-	-	.6	.3	66.9	58.6
Think cannot get job	2.1	1.2	2.2	1.4	1.7	1.2	2.2	.9
All other reasons	13.0	11.7	11.0	8.1	30.5	27.6	5.0	6.7
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	16.6	14.8	54.9	51.8	2.2	1.6	-	-
Ill health, disability	9.8	11.4	2.4	2.4	11.7	13.5	14.8	17.2
Home responsibilities	66.8	65.2	36.8	36.4	79.5	77.6	76.9	73.0
Retirement, old age	1.5	1.8	-	-	-	-	6.2	7.2
Think cannot get job	2.3	2.2	2.7	1.6	2.3	2.9	1.8	1.2
All other reasons	3.0	4.6	3.2	7.8	4.2	4.4	.2	1.4

¹Percent less than 0.05 percent.

HOUSEHOLD DATA QUARTERLY AVERAGES

Table 4. Job desire of persons not in labor force and reasons for not seeking work by age and sex

Reasons for not seeking work	Total		Age in years							
			16-19		20-24		25-59		60 and over	
	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969
Thousands of persons										
Total not in labor force	54,824	53,781	7,767	7,414	4,871	4,764	22,406	22,261	19,780	19,343
Do not want job now	50,935	49,490	6,704	6,272	4,304	4,186	20,542	20,200	19,385	18,833
Want job now - total	3,889	4,291	1,063	1,142	567	578	1,864	2,061	395	510
In school	1,080	1,081	840	883	162	135	78	63	--	--
Ill health, disability	512	613	21	32	26	28	338	387	125	167
Home responsibilities	969	1,185	70	78	193	212	670	854	37	41
Think cannot get job	641	548	62	54	89	54	328	262	162	178
All other reasons	687	864	70	95	97	149	450	495	71	124
Male	1,114	1,262	485	538	161	167	278	304	193	250
In school	562	567	419	456	101	92	41	18	--	--
Ill health, disability	213	283	9	21	4	12	137	145	65	104
Think cannot get job	189	167	28	19	22	11	52	45	87	92
All other reasons ¹	150	245	29	42	34	52	48	96	41	54
Female	2,777	3,030	579	604	405	412	1,588	1,758	205	261
In school	518	515	421	426	59	44	37	44	--	--
Ill health, disability	299	330	13	12	23	16	202	241	61	63
Home responsibilities	946	1,159	60	74	193	204	664	849	29	33
Think cannot get job	452	381	34	35	67	43	276	219	76	86
All other reasons	562	645	51	57	63	105	409	405	39	79
Percent distribution										
Want job now - total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	27.8	25.2	79.0	77.3	28.6	23.4	4.2	3.1	--	--
Ill health, disability	13.2	14.3	2.0	2.8	4.6	4.8	18.1	18.8	31.6	32.7
Home responsibilities	24.9	27.6	6.6	6.8	34.0	36.7	35.9	41.4	9.4	8.0
Think cannot get job	16.5	12.8	5.8	4.7	15.7	9.3	17.6	12.7	41.0	34.9
All other reasons	17.7	20.1	6.6	8.3	17.1	25.8	24.1	24.0	18.0	24.3
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	50.4	44.9	86.4	84.8	62.7	55.1	14.7	5.9	--	--
Ill health, disability	19.1	22.4	1.9	3.9	2.5	7.2	49.3	47.7	33.7	41.6
Think cannot get job	17.0	13.2	5.8	3.5	13.7	6.6	18.7	14.8	45.1	36.8
All other reasons ¹	13.5	19.4	6.0	7.8	21.1	31.1	17.3	31.6	21.2	21.6
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	18.7	17.0	72.7	70.5	14.6	10.7	2.3	2.5	--	--
Ill health, disability	10.8	10.9	2.2	2.0	5.7	3.9	12.7	13.7	29.8	24.1
Home responsibilities	34.1	38.3	10.4	12.3	47.7	49.5	41.8	48.3	14.1	12.6
Think cannot get job	16.3	12.6	5.9	5.8	16.5	10.4	17.4	12.5	37.1	33.0
All other reasons	20.2	21.3	8.8	9.4	15.6	25.5	25.8	23.0	19.0	30.3

¹Includes small number of men not seeking work because of home responsibilities.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

Table 5. Job desire of persons not in labor force and reasons for not seeking work by color and sex

Reasons for not seeking work	White				Negro and other races			
	Male		Female		Male		Female	
	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969
Thousands of persons								
Total not in labor force	12,058	11,682	36,892	36,619	1,697	1,536	4,177	3,945
Do not want job now	11,148	10,641	34,695	34,216	1,491	1,316	3,598	3,316
Want job now	910	1,041	2,197	2,403	206	220	579	629
In school	459	456	399	397	104	110	119	118
Ill health, disability	172	236	214	243	42	47	85	87
Home responsibilities ¹	--	--	734	901	--	--	212	259
Think cannot get job	154	149	355	296	35	18	96	85
All other reasons	125	200	495	566	25	45	67	80
Percent distribution								
Want job now	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	50.4	43.8	18.2	16.5	50.5	50.0	20.6	18.8
Ill health, disability	18.9	22.7	9.7	10.1	20.4	21.4	14.7	13.8
Home responsibilities ¹	--	--	33.4	37.5	--	--	36.6	41.2
Think cannot get job	16.9	14.3	16.2	12.3	17.0	8.2	16.6	13.5
All other reasons	13.7	19.2	22.5	23.6	12.1	20.5	11.6	12.7

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

Table 6. Persons not in labor force who desire to work but think they cannot get jobs by age, color, sex, and detailed reason

4th Quarter 1970

(In thousands)

Detailed reason for not seeking work	Total	Age in years				Color	
		16-19	20-24	25-59	60 and over	White	Negro and other races
Total	641	62	89	328	162	509	131
Employers think too young or old	103	5	--	18	80	91	11
Lacks education or training	62	7	9	43	4	48	14
Other personal handicap	36	7	4	23	3	33	3
Could not find job	238	31	38	130	39	179	59
Thinks no job available	202	12	39	114	38	157	45
Male	189	28	22	52	87	154	35
Employers think too young or old	49	2	--	2	46	46	2
Lacks education or training	11	7	--	4	--	7	4
Other personal handicap	16	--	2	10	3	16	--
Could not find job	70	18	9	24	19	49	21
Thinks no job available	44	2	11	11	20	36	8
Female	452	34	67	276	76	355	96
Employers think too young or old	54	4	--	16	34	45	9
Lacks education or training	51	--	9	39	4	41	10
Other personal handicap	20	7	2	13	--	17	3
Could not find job	168	13	30	105	20	130	38
Thinks no job available	158	10	27	103	18	121	37

HOUSEHOLD DATA QUARTERLY AVERAGES

Table 7. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age and sex

Most recent work experience and reason leaving job	Total		Age in years								
			16-19		20-24		25-59		60 and over		
	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	
Total											
Not in labor force (in thousands)	54,824	53,781	7,767	7,414	4,871	4,764	22,406	22,261	19,780	19,343	
Never worked	10,128	9,435	4,092	3,498	860	732	2,497	2,484	2,679	2,719	
Last worked over 5 years ago	25,174	24,504	18	28	311	279	11,826	11,766	13,019	12,432	
Last worked 1 to 5 years ago	9,219	9,269	477	448	1,488	1,453	4,563	4,569	2,691	2,799	
Left job previous 12 months	10,302	10,571	3,179	3,440	2,211	2,300	3,520	3,441	1,390	1,391	
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
School, home responsibilities	52.5	54.4	68.0	70.2	73.4	75.4	43.0	43.7	7.5	6.9	
Ill health, disability	8.4	8.7	1.3	1.6	2.3	2.1	14.8	16.0	18.1	19.0	
Retirement, old age	7.0	6.5	--	--	--	--	1.8	1.4	47.4	45.7	
Economic reasons	16.7	15.6	15.4	14.2	10.8	9.1	21.9	19.8	16.2	19.5	
End of seasonal job	7.1	7.8	8.2	9.7	3.4	4.9	8.4	7.3	6.9	9.6	
Slack work	4.3	3.0	3.6	1.8	3.0	1.9	5.9	4.8	3.9	3.2	
End of temporary job	5.4	4.8	3.6	2.7	4.4	2.3	7.6	7.9	5.5	6.6	
All other reasons	15.4	14.9	15.4	14.0	13.6	13.3	18.5	19.1	10.7	9.0	
Male											
Not in labor force (in thousands)	13,754	13,218	3,500	3,357	1,280	1,248	1,948	1,813	7,026	6,799	
Never worked	1,943	1,553	1,558	1,241	203	163	160	121	23	28	
Last worked over 5 years ago	5,349	5,004	12	13	24	16	692	546	4,622	4,430	
Last worked 1 to 5 years ago	2,469	2,459	205	170	212	222	517	536	1,535	1,532	
Left job previous 12 months	3,992	4,201	1,726	1,932	841	848	579	610	846	811	
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
School, home responsibilities	48.6	52.3	67.6	71.8	72.1	76.7	23.2	21.2	3.9	3.4	
Ill health, disability	9.9	10.4	1.2	1.4	1.7	1.4	34.6	38.2	19.1	20.4	
Retirement, old age	12.2	10.8	--	--	--	--	5.0	5.4	54.3	52.1	
Economic reasons	14.9	12.9	16.1	13.2	10.9	8.7	16.8	13.4	15.0	16.5	
End of seasonal job	7.1	8.2	8.4	9.9	5.0	6.2	6.7	4.7	6.7	8.6	
Slack work	4.3	2.0	4.0	1.2	3.3	1.3	6.4	4.7	4.6	3.0	
End of temporary job	3.5	2.7	3.7	2.0	2.6	1.2	3.6	3.9	3.7	4.9	
All other reasons	14.3	13.5	15.1	13.7	15.3	13.2	20.4	21.9	7.7	7.5	
Female											
Not in labor force (in thousands)	41,070	40,563	4,266	4,056	3,591	3,516	20,459	20,447	12,753	12,543	
Never worked	8,185	7,882	2,535	2,258	657	569	2,338	2,363	2,656	2,691	
Last worked over 5 years ago	19,825	19,500	7	15	287	263	11,134	11,221	8,397	8,002	
Last worked 1 to 5 years ago	6,749	6,811	271	278	1,276	1,231	4,044	4,034	1,156	1,269	
Left job previous 12 months	6,310	6,370	1,454	1,507	1,370	1,452	2,941	2,830	544	581	
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
School, home responsibilities	54.9	55.8	68.6	68.3	74.1	74.7	46.9	48.5	13.1	11.7	
Ill health, disability	7.4	7.5	1.4	1.8	2.6	2.5	10.9	11.2	16.2	17.0	
Retirement, old age	3.7	3.6	--	--	--	--	1.2	.5	37.0	36.5	
Economic reasons	17.9	17.4	14.2	15.5	10.7	9.4	22.9	21.2	18.2	23.6	
End of seasonal job	7.0	7.5	7.8	9.4	2.4	4.1	8.7	7.7	7.0	10.8	
Slack work	4.2	3.6	3.0	2.6	2.8	2.3	5.8	4.8	2.9	3.6	
End of temporary job	6.6	6.3	3.4	3.6	5.6	3.0	8.4	8.8	8.3	9.1	
All other reasons	16.1	15.7	15.7	14.4	12.5	13.4	18.2	18.5	15.5	11.2	

HOUSEHOLD DATA
QUARTERLY AVERAGES

Table 8. Most recent work experience of persons not in labor force and reasons for leaving last job for those who worked during previous 12 months by color and sex

Most recent work experience and reason leaving job	White				Negro and other races			
	Male		Female		Male		Female	
	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969
Total not in labor force (in thousands)	12,058	11,682	36,892	36,619	1,697	1,536	4,177	3,945
Never worked	1,559	1,281	7,261	7,049	384	272	923	833
Last worked over 5 years ago	4,776	4,499	18,164	17,944	573	506	1,661	1,556
Last worked 1 to 5 years ago	2,200	2,200	5,977	6,133	269	259	772	678
Left job previous 12 months	3,522	3,703	5,489	5,492	470	499	821	877
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	49.5	52.3	54.7	56.5	41.7	51.9	55.5	51.3
Ill health, disability	9.6	10.0	6.6	7.0	12.6	13.4	12.4	10.7
Retirement, old age	13.2	11.4	4.2	3.9	5.1	7.0	.5	1.7
Economic reasons	14.6	12.6	17.8	17.2	17.4	15.4	18.4	18.5
End of seasonal job	7.1	8.0	6.7	7.0	7.0	10.0	9.5	11.3
Slack work	4.2	1.8	4.0	3.5	5.7	4.0	5.9	4.1
End of temporary job	3.3	2.8	7.1	6.8	4.7	1.4	3.0	3.1
All other reasons	13.1	13.7	16.6	15.3	23.2	12.2	13.2	17.8

Table 9. Industry and occupation of last job for persons not in labor force who worked during previous 12 months by reasons leaving job

4th Quarter 1970

Industry and class of worker and major occupation	Total (thousands of persons)	Reason left job (percent distribution)					
		Total	School, home responsibilities	Ill health, disability	Retirement, old age	Economic reasons	All other
Total who left jobs in previous 12 months	10,302	100.0	52.5	8.4	7.0	16.7	15.4
Industry							
Agriculture ¹	644	100.0	28.9	6.7	3.7	29.8	30.9
Unpaid family workers	181	100.0	5.5	--	--	2.2	92.3
Wage and salary workers	405	100.0	41.9	6.4	1.5	43.8	6.4
Nonagricultural industries	9,632	100.0	54.0	8.3	7.4	15.9	14.5
Self-employed workers	330	100.0	24.6	14.9	20.4	23.4	16.7
Unpaid family workers	183	100.0	18.6	--	2.7	4.4	74.3
Wage and salary workers	9,119	100.0	55.8	8.2	7.0	15.8	13.2
Private household workers	368	100.0	43.5	12.2	3.5	25.8	14.9
Government workers	1,497	100.0	53.8	4.9	11.0	19.9	10.4
All other ²	7,254	100.0	56.9	8.6	6.3	14.5	13.7
Construction	369	100.0	46.9	16.0	6.5	15.7	14.9
Manufacturing	1,856	100.0	50.8	11.5	11.4	13.5	12.8
Transportation and public utilities	336	100.0	60.7	6.8	13.7	10.4	8.3
Trade	2,447	100.0	60.3	7.7	2.4	13.9	15.8
Finance and services	2,206	100.0	59.3	6.2	5.2	16.4	12.8
Occupation							
White-collar workers	4,362	100.0	56.3	6.0	7.7	15.6	14.4
Professional and technical	953	100.0	59.7	4.9	10.1	14.8	10.5
Managers, officials, and proprietors	346	100.0	31.6	14.2	21.2	16.2	16.8
Clerical and sales	3,063	100.0	58.0	5.5	5.5	15.8	15.3
Blue-collar workers	3,094	100.0	50.3	11.1	9.6	15.1	13.9
Craftsmen and foremen	569	100.0	35.9	18.8	22.3	11.4	11.6
Operatives	1,591	100.0	50.4	11.2	7.6	15.5	15.3
Nonfarm laborers	935	100.0	58.9	6.3	5.3	16.5	12.9
Service workers	2,236	100.0	54.6	8.6	3.5	17.5	15.8
Farm workers	585	100.0	26.7	6.3	3.8	31.3	31.8

¹Includes small number of self-employed workers, not shown separately.

²Includes forestries, fisheries, and mining, not shown separately.

HOUSEHOLD DATA
QUARTERLY AVERAGES

Table 10. Work-seeking intentions of persons not in labor force and major characteristics of those who intend to seek work within next 12 months by sex and color

Work-seeking intentions, most recent work experience, and major occupation	Total		Male		Female	
	4th 1970	4th 1969	4th 1970	4th 1969	4th 1970	4th 1969
Total						
Total not in labor force (in thousands)	54,824	53,781	13,754	13,218	41,070	40,563
Do not intend to seek work	45,721	44,337	10,209	9,558	35,512	34,779
Intend to seek work in next 12 months	9,103	9,444	3,545	3,660	5,558	5,784
Never worked	1,745	1,761	652	603	1,093	1,158
Last worked over 5 years ago	842	946	110	90	732	856
Last worked 1 to 5 years ago	1,562	1,483	435	409	1,127	1,073
Worked during previous 12 months	4,954	5,255	2,348	2,557	2,606	2,698
Percent distribution by occupation	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	37.3	35.3	23.4	22.1	50.0	47.8
Professional and technical	9.1	8.3	7.9	8.6	10.1	8.0
Managerial	2.4	1.7	2.8	1.5	2.0	1.9
Clerical and sales	25.8	25.3	12.7	12.0	38.0	37.9
Blue-collar workers	34.3	35.8	54.9	55.9	15.2	16.9
Craftsman and foremen	5.8	4.7	11.4	8.7	.6	1.0
Operatives	15.7	18.4	17.7	21.4	13.8	15.6
Nonfarm laborers	12.9	12.7	25.8	25.7	.8	.3
Service workers	23.5	22.5	15.0	13.3	31.5	31.2
Farm workers	4.9	6.3	6.6	8.7	3.3	4.1
White						
Total not in labor force (in thousands)	48,950	48,301	12,058	11,682	36,892	36,619
Do not intend to seek work	41,451	40,416	9,046	8,513	32,405	31,903
Intend to seek work in next 12 months	7,499	7,885	3,012	3,169	4,487	4,716
Never worked	1,376	1,448	509	515	867	933
Last worked over 5 years ago	720	808	85	73	635	735
Last worked 1 to 5 years ago	1,204	1,195	358	351	846	844
Worked during previous 12 months ¹	4,198	4,434	2,060	2,230	2,138	2,204
Negro and other races						
Total not in labor force (in thousands)	5,874	5,481	1,697	1,536	4,177	3,945
Do not intend to seek work	4,270	3,922	1,164	1,045	3,106	2,877
Intend to seek work in next 12 months	1,604	1,559	533	491	1,071	1,068
Never worked	369	313	143	89	226	224
Last worked over 5 years ago	121	138	24	17	97	121
Last worked 1 to 5 years ago	359	287	78	58	281	229
Worked during previous 12 months ¹	756	822	288	328	468	494

¹Occupational data not available by color.

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.

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 contract construction, 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 28 States (as of January 1, 1970). 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 1960 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.

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 for 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.

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

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	—	—	—	—	—

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	0.8	1.2	1.8	2.5	2.9	3.3	3.4	3.9	4.0
250 . . . . .	.7	.8	1.4	1.9	2.3	2.5	2.8	3.0	3.2
500 . . . . .	.5	.7	1.0	1.4	1.6	1.8	1.9	2.1	2.3
1,000 . . . . .	.3	.4	.7	1.0	1.2	1.4	1.4	1.6	1.6
2,000 . . . . .	.3	.3	.5	.7	.7	.8	1.0	1.1	1.2
3,000 . . . . .	.2	.3	.4	.7	.7	.7	.8	.8	1.0
5,000 . . . . .	.2	.2	.3	.4	.5	.7	.7	.7	.7
10,000 . . . . .	.1	.2	.3	.3	.3	.4	.4	.5	.5
25,000 . . . . .	.1	.1	.2	.2	.3	.3	.3	.3	.3
50,000 . . . . .	.1	.1	.1	.2	.2	.2	.2	.3	.3
75,000 . . . . .	.1	.1	.1	.1	.2	.2	.2	.2	.2

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 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 foremen 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 work-

ers, 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, part-time work, stoppages for varying causes, labor turnover, and absenteeism.

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

Average Overtime Hours

The overtime hours represent that portion of the gross average weekly hours which 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 1) 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 gross 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.

"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 (1957-59).

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 1957-59 period. The man-hour aggregates are the product of average weekly hours and production-worker employment, and the payroll aggregates are the product of gross average weekly earnings and production-worker employment.

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 another establishment of the company.

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 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 K, 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 1969 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 as shown in table E.

Table E. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1967-1969

Industry division	1967	1968	1969
Total	100.0	100.4	99.8
Mining	99.5	101.7	101.5
Contract construction. . .	101.6	99.5	99.0
Manufacturing	99.5	99.8	99.8
Transportation and public utilities	99.8	100.7	100.4
Wholesale and retail trade	100.7	100.3	100.0
Finance, insurance, and real estate	100.2	99.2	100.0
Services	99.8	99.2	99.1
Government.	100.0	102.8	100.1

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 samples 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 larger 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 smaller ones. Many industries in the trade and service 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 specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

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

Reliability of the Employment Estimates

The estimates derived from the establishment 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. The relatively large size of the BLS establishment sample assures a high degree of accuracy. However, since the link relative technique requires the use of the previous month's estimate as the base in computing the current month's estimate, 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 the sampling

Table F. Approximate size and coverage of BLS employment and payrolls sample, March 1969 ¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Per cent of total
Mining	2,300	297,000	49
Contract construction . . .	16,400	773,000	25
Manufacturing	47,000	12,550,000	63
Transportation and public utilities:			
Railroad transportation (ICC)	100	590,000	92
Other transportation and public utilities	7,100	2,082,000	56
Wholesale and retail trade . .	40,000	2,813,000	20
Finance, insurance, and real estate	9,600	1,243,000	36
Services	23,500	2,377,000	22
Government:			
Federal (Civil Service Commission) ²	3,300	2,737,000	100
State and local	9,600	5,065,000	53

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. Approximate size and coverage of BLS job vacancy labor turnover sample March 1969

Industry	Employees	
	Number reported	Percent of total
Manufacturing ¹	10,448,400	52
Metal mining	64,400	72
Coal mining	59,000	44
Communication:		
Telephone	605,200	71
Telegraph	22,400	69

¹ Since some establishments do not report the information, job vacancy estimates currently are based on reports from approximately 90 percent of the sample establishments covering about 43 percent of universe employment.

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. (A detailed description of the March 1969 benchmark is available from the Bureau upon request.)

One measure of the reliability of ratio estimates is the root-mean-square error (RMSE). This measure is the standard deviation adjusted for the bias in estimates

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

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

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

Table H. Root-mean-square errors of differences between benchmarks and estimates

Size of employment estimate	Root-mean-square error ¹
50,000	2,000
100,000	2,800
200,000	3,800
500,000	7,500
1,000,000	11,200
2,000,000	17,500

¹ Assuming 12-month intervals between benchmark revisions.

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

Table I. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	700	600
100,000	900	800
200,000	1,800	1,700
500,000	3,000	2,900
1,000,000	5,000	5,000
2,000,000	9,700	9,400
10,000,000	31,400	30,600
Total nonagricultural employment	88,000	80,000

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 J. A relative error is standard error expressed as a percent of the estimate. 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.

Table J. 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.

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 figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

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

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 disputes 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

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 weekly hours 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, for mining, contract construction, and the

major industries in manufacturing are obtained by multiplying average weekly hours, seasonally adjusted, by production workers, seasonally adjusted, and dividing by the 1957-59 base. For total, 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 1957-59 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Post Office Department 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 Post Office Department. 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 February 1970. Seasonal factors to be used for current adjustment are shown in the June 1970 *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 aggre-

gated. 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 1969 are published

in the February 1970 *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 eight years of data, although there are special adjustment programs for as few as three 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 1969 benchmarks. Data from April 1969 forward are subject to revision at the time of the next benchmark.

Beginning with the June 1970 and subsequent issues of *Employment and Earnings*, the national data in Section B, C, and D supersede those published in previous issues, as well as those appearing in the *Handbook of Labor Statistics, 1970*. Comparable data will be published in *Employment and Earnings, United States, 1909-70*, BLS Bulletin 1312-7.

Table K. 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 nonsupervisory 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.

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