

# EMPLOYMENT AND EARNINGS

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## Editors' Note

There are a number of changes being introduced with this issue. As mentioned in the September report, data on job vacancies now appear in Section E as a regular monthly feature. The technical note has been amended to provide information on the scope, concepts, and methods of the job vacancy survey and, in addition, has been revised and updated in a number of other respects. Statistics on insured unemployment, formerly shown in Section E, may be found in Section F. Current data in Table F-2: Insured unemployment in 150 major labor areas, are now compared to an identical month a year ago instead of to the previous month.

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CALENDAR OF FEATURES								
In addition to the monthly data appearing regularly in Employment and Earnings, special features appear in most of the issues, as shown below:								
	Jan.	Feb.	Mar.	Apr.	May	June	July	Oct.
<b>Household data</b>								
Annual averages	x							
Revised seasonally adjusted series and current seasonal factors		x						
Quarterly averages	x			x			x	x
<b>Establishment data</b>								
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, September 1970

Employment remained essentially unchanged in September, while unemployment increased. The increase in unemployment was concentrated among 16-24 year-olds (seasonally adjusted) and brought the overall unemployment rate to 5.5 percent in September. <sup>1/</sup> The increase among young workers may have partly reflected the earlier-than-usual survey week, which included Labor Day, and which occurred before many young people had given up summertime jobseeking efforts to return to school. Jobless rates for men 25 years and over were unchanged over the month at 3.0 percent, while the rate for women 25 and over edged up from 4.1 to 4.4 percent.

Nonagricultural payroll employment, after seasonal adjustment, remained unchanged in September at 70.4 million. This marked the first month since April that payroll employment did not show a decline. Total civilian employment (based on the household survey) also remained unchanged over the month.

### Unemployment

The number of unemployed persons totaled 4.3 million in September. Unemployment usually falls substantially between August and September, but this September it failed to drop. As a result, after seasonal adjustment, unemployment was up by 375,000 over the month, with four-fifths of the increase occurring among workers in the 16 to 24 age group, largely males. The sharp rise in joblessness among young workers partly reflected the impact of an earlier-than-usual survey week this September which included the Labor Day holiday. As a result, the September figures may not have fully reflected the usual exit of youths from the labor market to begin the fall school term. Employment of 16-24 year-olds rose by 300,000 in September (seasonally adjusted), but there was an increase of 600,000 in their labor force.

Primarily as a result of the increased unemployment among young workers, the overall unemployment rate rose to 5.5 percent in September, the highest level since January 1964. The jobless rate for men 20-24 years old, at 11.0 percent, was up significantly from the 8.5 percent in August and reached its highest point since July 1961. By way of contrast, the unemployment rate for men 25 years and over was unchanged over the month at 3.0 percent; the rate for married men (2.9 percent) was also virtually unchanged from its August level. For all adult males (20-24 and 25 years and over combined), the jobless rate rose from 3.7 to 4.0 percent.

The unemployment rate for teenagers, at 16.8 percent in September, was up from 15.9 percent in August, reaching its highest point since January 1965. Jobless rates rose for both male and female youths.

For adult women, the jobless rate rose from 4.8 to 5.1 percent over the month. Unlike the unemployment increase among males, however, the increase for women was mostly among those 25 years and over, whose rate rose from 4.1 to 4.4 percent in September. The jobless rate for 20-24 year-old women, at 8.4 percent in September, was little changed over the month.

Nearly two-thirds of the September increase in unemployment was among workers who had reentered the labor force or were new entrants, reflecting the increase in unemployment among

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<sup>1/</sup> When the seasonal factors are revised early in 1971 to take the recent data into account, the increase in the unemployment rate for September will probably be reduced, as it was last year. Such revisions normally reduce sharp month-to-month changes in the seasonally adjusted figures. (See the February 1970 issue of this publication.)

young workers and adult women. However, unemployment also increased among persons who lost their last job, as their number moved up to 2.5 percent of the labor force in September, slightly above the levels registered in 3 of the last 4 months.

The number of persons unemployed for 15 weeks or longer continued to rise in September, moving up to 790,000; this was twice the level of last September and at the highest point since mid-1965. Long-term unemployment was 1.0 percent of the labor force. Because of the increased short-term joblessness among youths, however, the average duration of unemployment, at 8.9 weeks, showed little change in September following declines in August and July. Since last September, the average duration has risen by 1 full week, although the September average still remained well below the levels of most of the early and mid-1960's.

Unemployment rates for both full-time and part-time jobseekers rose in September. The full-time rate rose to 5.0 percent, after holding relatively steady for the past 4 months. The part-time rate reached 8.6 percent, its highest point since the series began in 1963. Over the year, the rate for full-time workers has increased more rapidly than for part-time workers.

Rates of unemployment for both white and Negro workers were up in September. The white rate rose from 4.8 to 5.1 percent, the highest level since July 1963. The Negro rate, at 9.0 percent, was slightly above the highs reached earlier this year. September marked the eleventh month out of the last 13 in which the ratio of Negro to white joblessness was below the 2 to 1 pattern that has prevailed for many years.

Among the occupation groups, the jobless rate for blue-collar workers rose from 7.0 to 7.5 percent in September, due entirely to increased unemployment among craftsmen and nonfarm laborers. The jobless rate for white-collar workers, at 2.8 percent, remained relatively unchanged over the month, after declining in August from its 9-year high reached in July.

The unemployment rate for persons whose last job was in the construction industry rose sharply over the month to 13.8 percent, the highest rate since March 1963. The rise in construction unemployment also partly reflected the increased joblessness among young workers over the month.

The unemployment rate for workers covered by State unemployment insurance programs rose substantially in September, from 3.7 to 4.2 percent. Since the September survey week included Labor Day, the increase was partly the result of administrative procedures used by State employment security agencies to count insured unemployment during weeks including a holiday.

The number of persons employed part time for economic reasons in nonagricultural industries declined by 190,000 in September to 2.1 million. Despite this drop, the increase in joblessness resulted in a rise in labor force time lost; this is a measure of man-hours lost to the economy through unemployment and involuntary part-time employment as a percent of total man-hours available from those in the labor force. The percent of labor force time lost rose from 5.5 to 6.0 percent in September.

Over the year, unemployment has risen by 1.3 million—650,000 adult men, 395,000 adult women, and 290,000 teenagers. Four-fifths of the increase was among full-time workers, mostly those who had lost their last jobs.

#### Labor force and total employment

There were 82.5 million persons in the civilian labor force in September, about 1.6 million fewer than in August. The decline was less than usual for this time of year, however, possibly reflecting the effects of the earliness of the survey week. After seasonal adjustment, the labor force was up 355,000 over the month, with the increase occurring primarily among young men and teenagers. Compared with September 1969, the civilian labor force has risen by 1.6 million, with nearly three-fifths of the increase occurring among adult full-time workers. The male labor force growth reflected the net reduction in the

number of young men in the Armed Forces over the past year.

Total employment, at 78.3 million, declined in September in line with seasonal expectations, and after seasonal adjustment was unchanged over the month. Since last September, total employment has risen by 230,000 with the increase occurring largely among part-time workers.

#### Payroll employment

Nonagricultural payroll employment rose in line with seasonal expectations in September to 70.8 million and, after seasonal adjustment, was unchanged from the August level. This marked the first month since April that payroll employment did not decline. However, the September level was 200,000 below a year ago.

Over the month, a 70,000 decline in employment in contract construction (seasonally adjusted) countered moderate increases in trade and services (20,000 each) and State and local governments (30,000). The cutback in contract construction brought employment in this industry to 220,000 below last year.

Employment in manufacturing, at 19.3 million (seasonally adjusted) in September, was unchanged from August following 5 consecutive months of substantial declines. Factory employment was unchanged in both the durable and non-durable goods industries. Employment cutbacks in machinery (15,000) and transportation equipment (10,000) were offset by widespread gains elsewhere in the durable goods sector. Since September 1969, factory employment has declined by 975,000, with nearly all of the reduction occurring in durable goods.

#### Hours of work

The average workweek for all rank-and-file workers on private nonagricultural payrolls dropped 0.6 hour between the August and September survey weeks. Average weekly hours usually fall between these 2 months, but the drop this September was greater than usual because the Labor Day holiday was included in the survey week.

As a result, after seasonal adjustment, the average workweek fell 0.4 hour to 36.8 hours. The average workweek was lower in most major industries. (In the payroll employment series, hours of work relate to hours paid for by employers during the survey week; therefore, only persons not being paid for the holiday are reported as having reduced weekly hours.)

#### Earnings

Average hourly earnings of production and nonsupervisory workers on private payrolls rose 3 cents in September to \$3.28. Hourly earnings usually rise in September, as many of the young people returning to school leave jobs with comparatively low hourly rates. Compared with a year ago, average hourly earnings were up 17 cents, or 5.5 percent.

As a result of the reductions in the workweek, average weekly earnings declined by 84 cents over the month to \$121.36. In manufacturing, however, average weekly earnings rose by \$2.04 over the month to a record \$136.17, due to a 6-cent increase in hourly earnings. Compared with September 1969, weekly earnings for all rank-and-file workers increased by \$3.49, or 3.0 percent.

Over the year ending in August 1970, average weekly earnings rose by 4.8 percent; after adjustment for consumer price changes, however, earnings were down by 0.8 percent.

#### Third quarter developments

Civilian labor force and total employment. In the third quarter, the labor force averaged 82.8 million (seasonally adjusted), up 325,000 from the second quarter following a 100,000 advance in the previous quarter. The increase in the July-September period was largely among adult women, in contrast to the second quarter increase which was entirely among adult men.

Total employment, after declining by 460,000 between the first and second quarters, remained relatively unchanged in the third quarter at 78.5 million. An employment increase among adult

females over the quarter was offset by declines among adult males and teenagers. (Total employment includes persons employed in agriculture, private household service, as self-employed and unpaid family workers, and those on unpaid absences, in addition to nonagricultural wage and salary workers.)

Unemployment. In the third quarter of 1970, the number of unemployed persons averaged 4.3 million (seasonally adjusted), up 355,000 over the quarter and the highest average since the fourth quarter of 1961. Although substantial, the third quarter increase in joblessness was somewhat smaller than the increases in the second and first quarters of this year (565,000 and 495,000, respectively).

Nearly three-fifths of the unemployment increase in the third quarter occurred among workers who had reentered the labor force, mainly adult women and 20-24 year-old men. This contrasted with the increases in the two previous quarters, which were primarily due to higher joblessness among persons who had lost their last jobs. Furthermore, over two-fifths of the third quarter increase in unemployment occurred among part-time workers; in the earlier two quarters, the unemployment increases took place almost entirely among full-time workers.

The overall unemployment rate, which had risen from 3.6 to 4.8 percent over the first two quarters, moved up to 5.2 percent in the July-

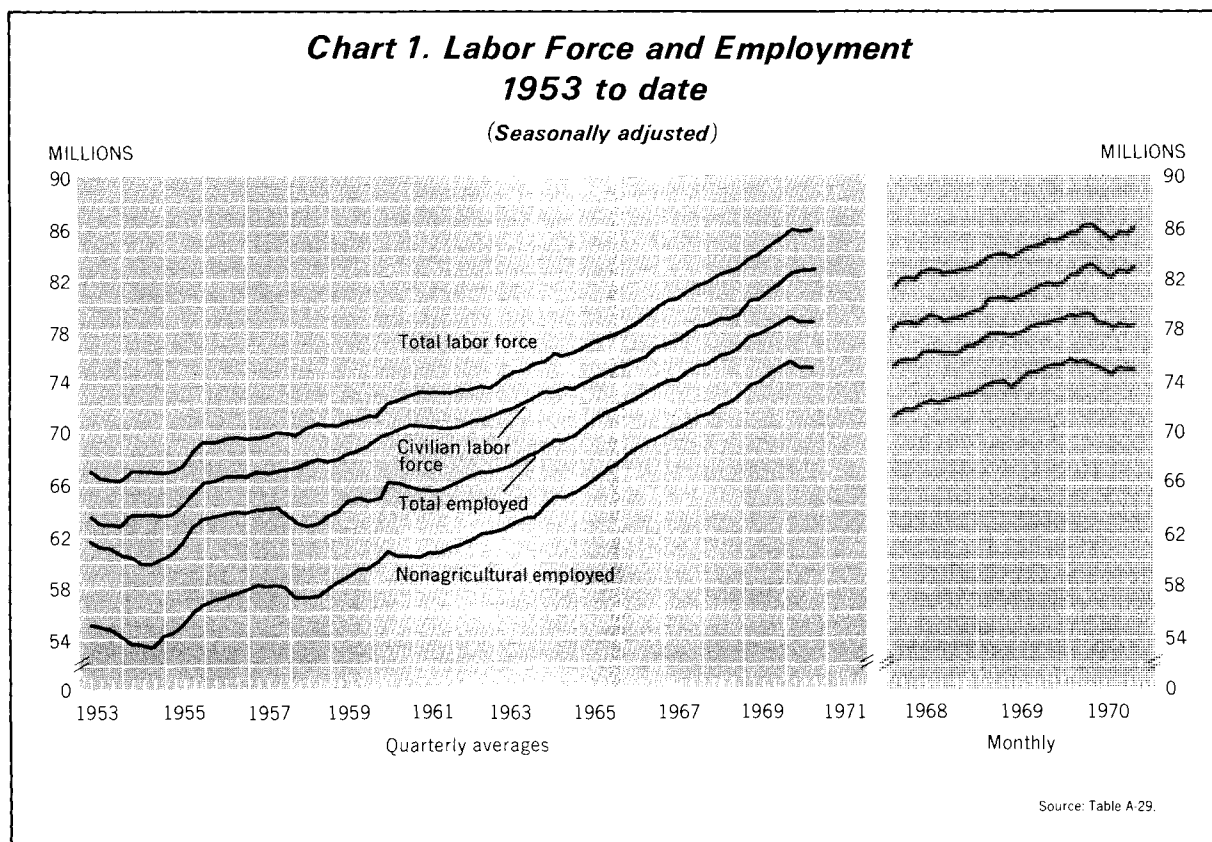
September quarter. Jobless rates for most groups of workers continued to increase in the third quarter but at a less rapid pace than earlier in the year. The third quarter jobless rates averaged 3.8 percent for adult men, 5.0 percent for adult women, and 15.6 percent for teenagers—all were at their highest points in over 5-1/2 years.

White workers accounted for all of the third quarter rise in joblessness, as their rate rose from 4.8 to 4.9 percent. The jobless rate for Negroes, at 8.5 percent, was about the same as in the second quarter. As a result, the ratio of Negro to white jobless rates moved down to 1.7 to 1 in the third quarter, the lowest ratio since 1953.

Industry employment. Nonagricultural payroll employment, at 70.4 million in the third quarter (seasonally adjusted), was down by 440,000 from the second quarter. This compared with a reduction of 250,000 between the first and second quarters. The third quarter reduction in payroll employment reflected a continued cutback in goods-producing industries, along with a small downturn in the service-producing sector. Since the first quarter of 1970, employment in the goods-producing industries has declined by 820,000, with nearly four-fifths of the cutback occurring in manufacturing. Over the same period, employment in the service-producing industries rose by 130,000.

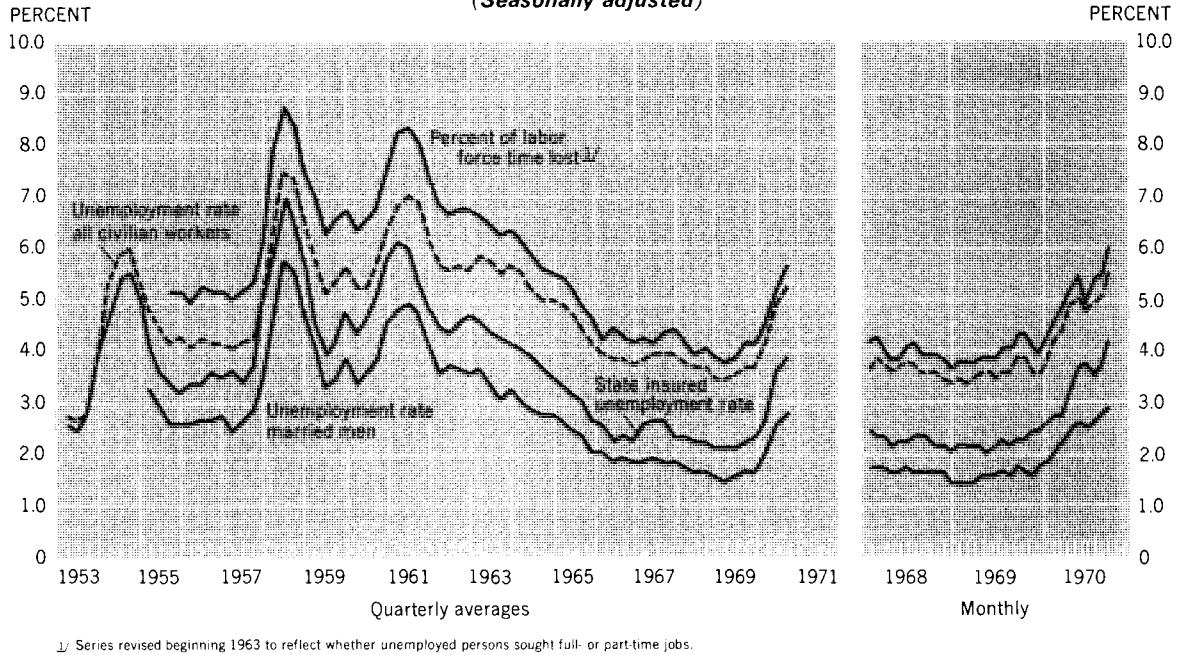
# CHARTS

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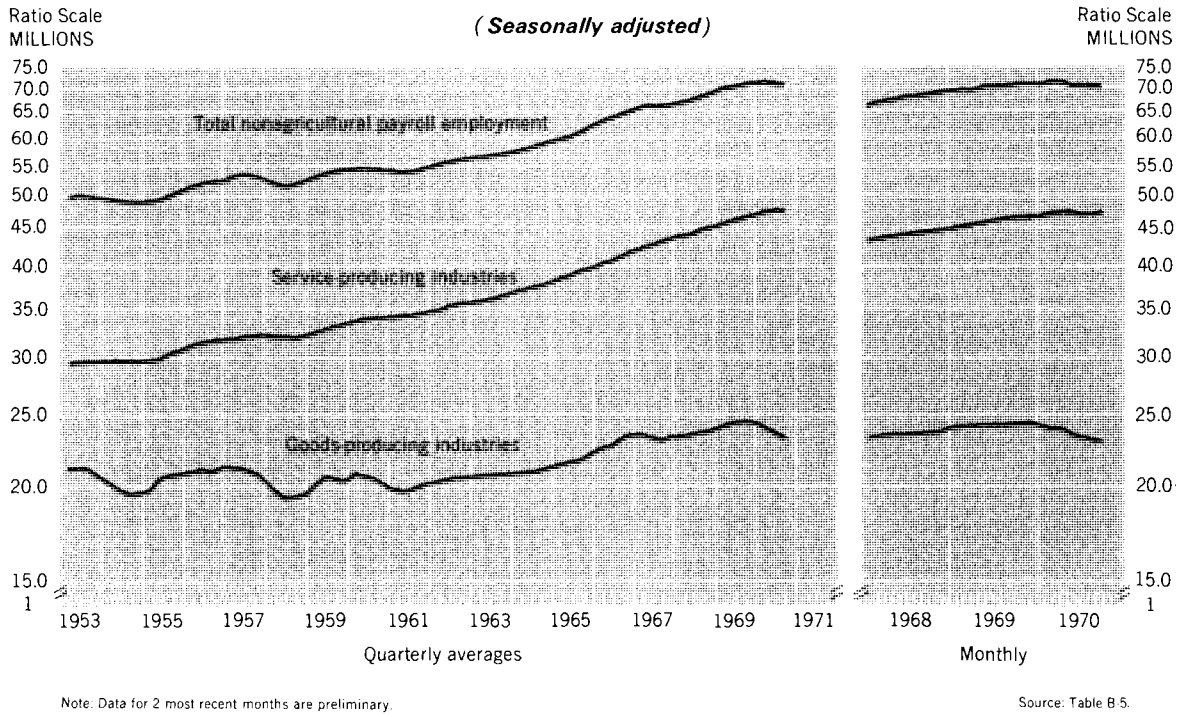
**Chart 2. Major Unemployment Indicators  
1953 to date**

(Seasonally adjusted)



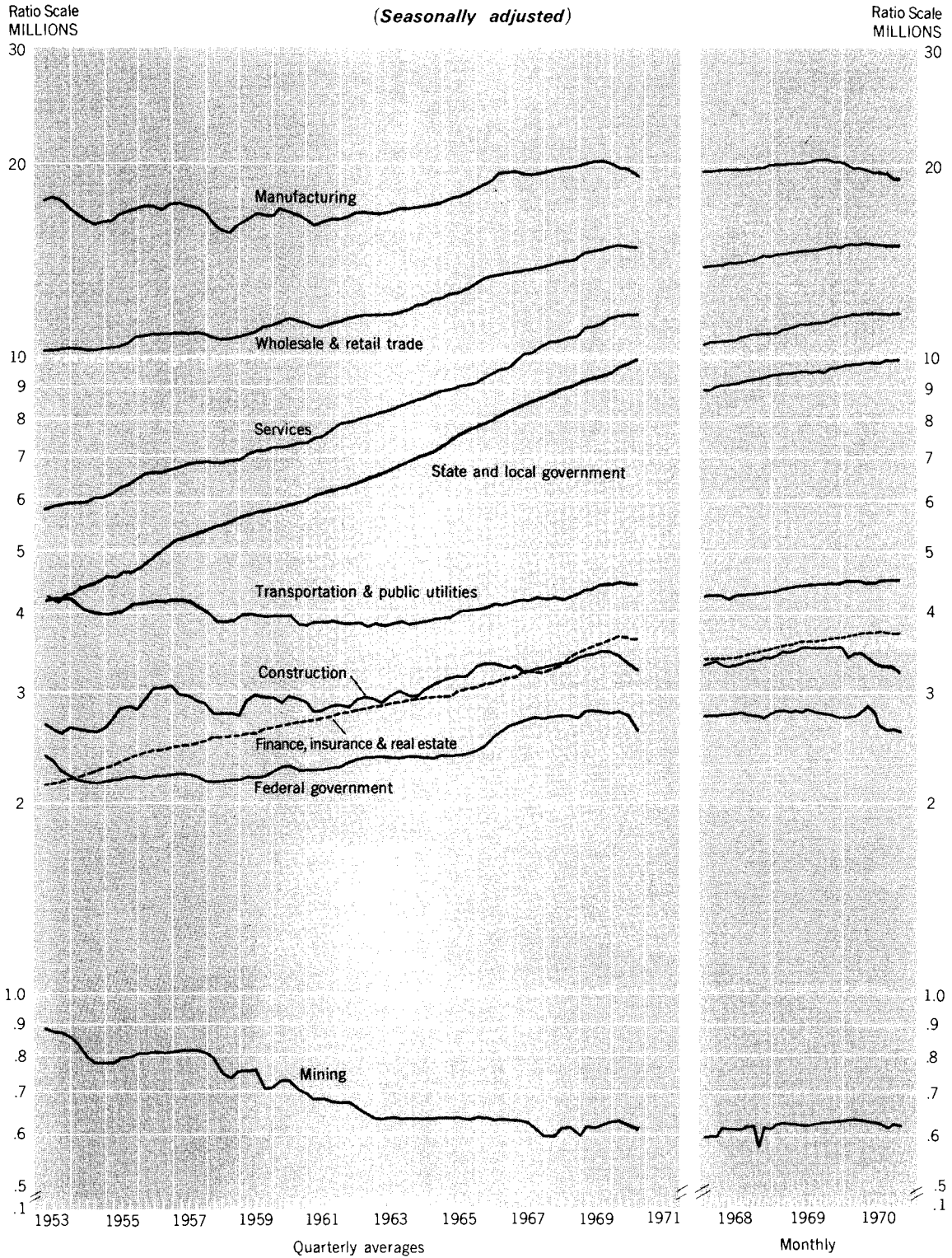
**Chart 3. Payroll Employment in Goods- and Service-Producing Industries  
1953 to date**

(Seasonally adjusted)



# Chart 4. Nonagricultural Payroll Employment by Industry 1953 to date

(Seasonally adjusted)

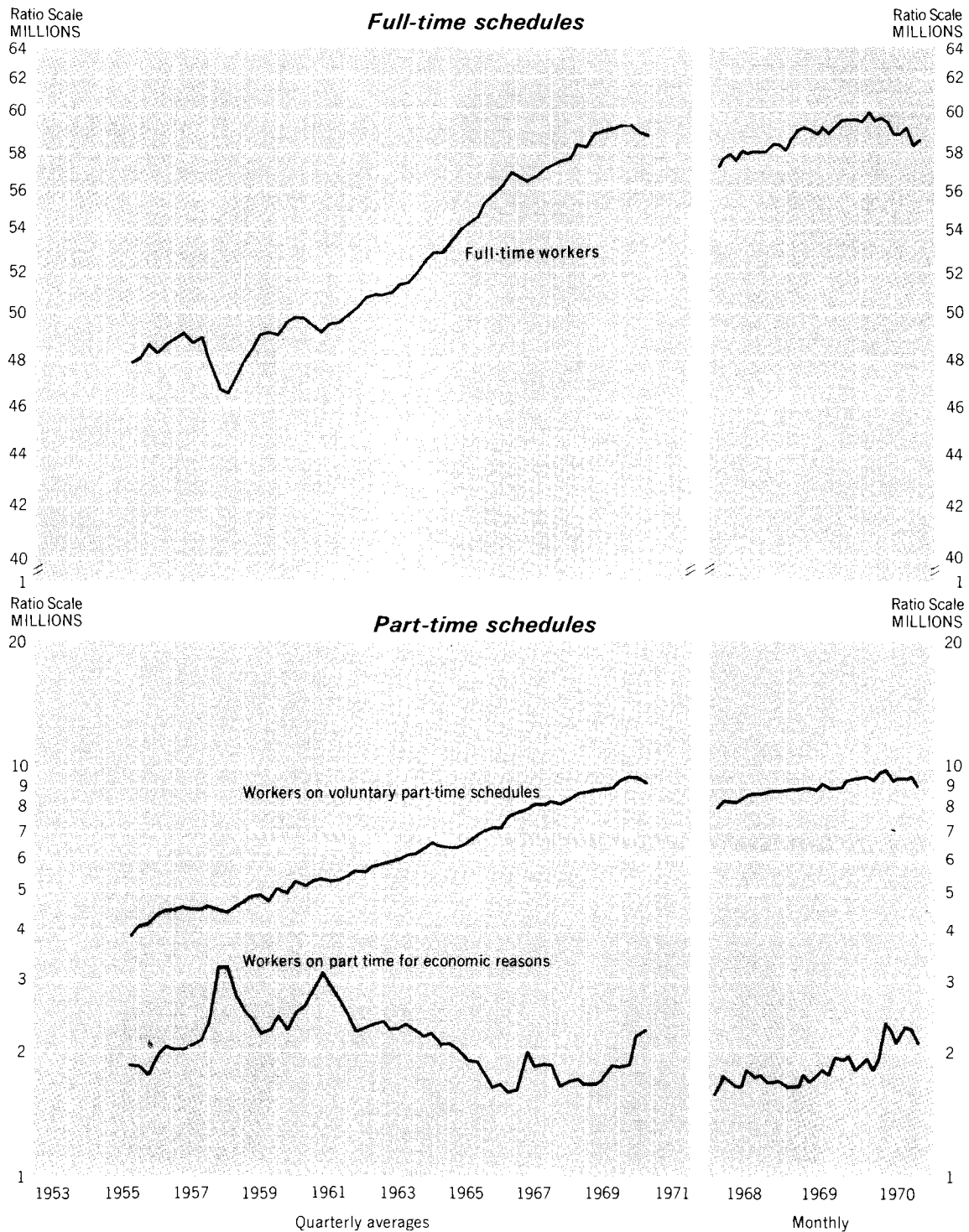


Note: Data for 2 most recent months are preliminary.

Source: Table B-5.



**Chart 5. Persons At Work Full and Part Time  
in Nonagricultural Industries  
1955 to date**  
(Seasonally adjusted)



Source: Table A-29 and unpublished data.

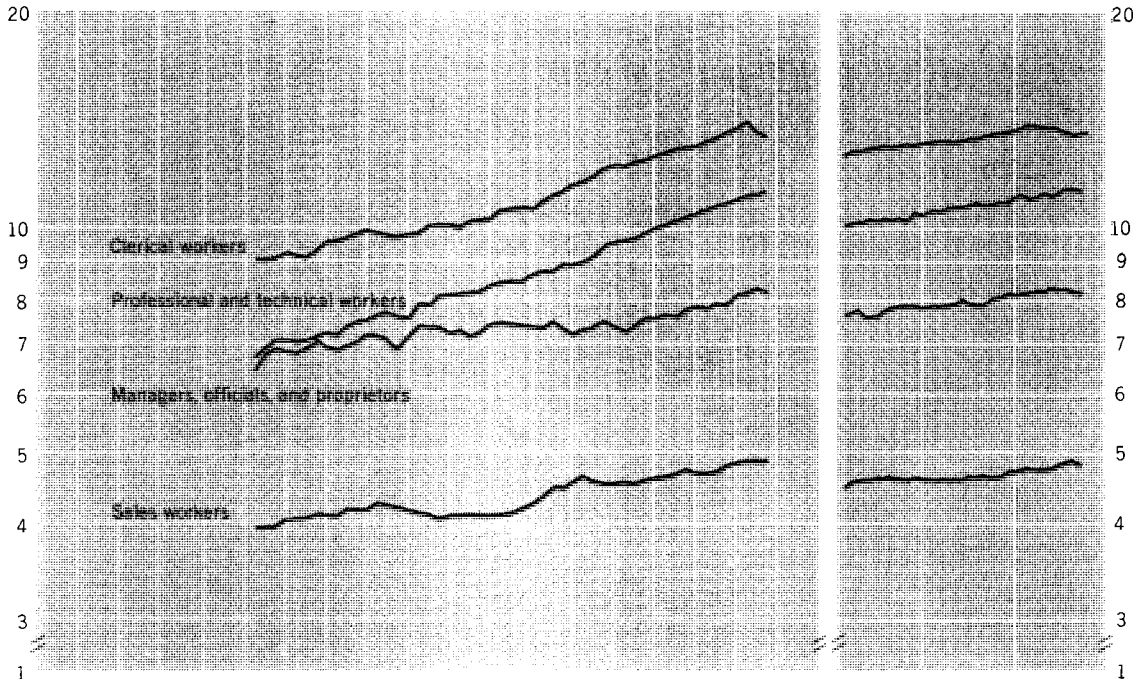
## Chart 6. Employment in Nonfarm Occupations 1958 to date

(Seasonally adjusted)

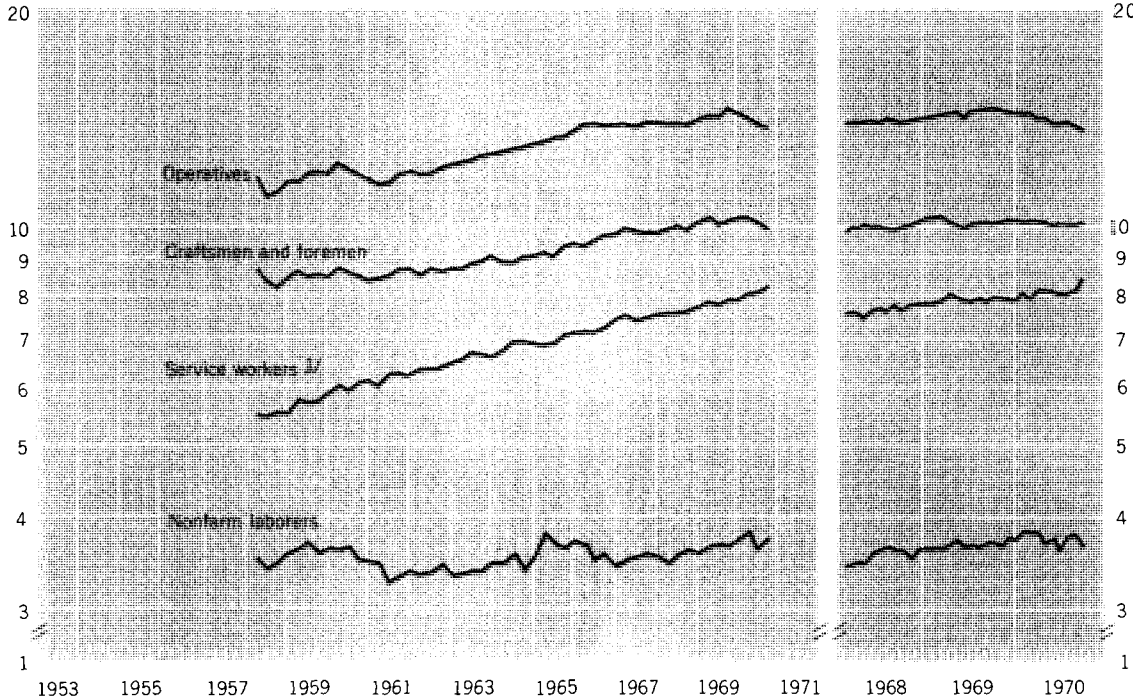
### White-collar workers

Ratio Scale  
MILLIONS

Ratio Scale  
MILLIONS



### Blue-collar and service workers

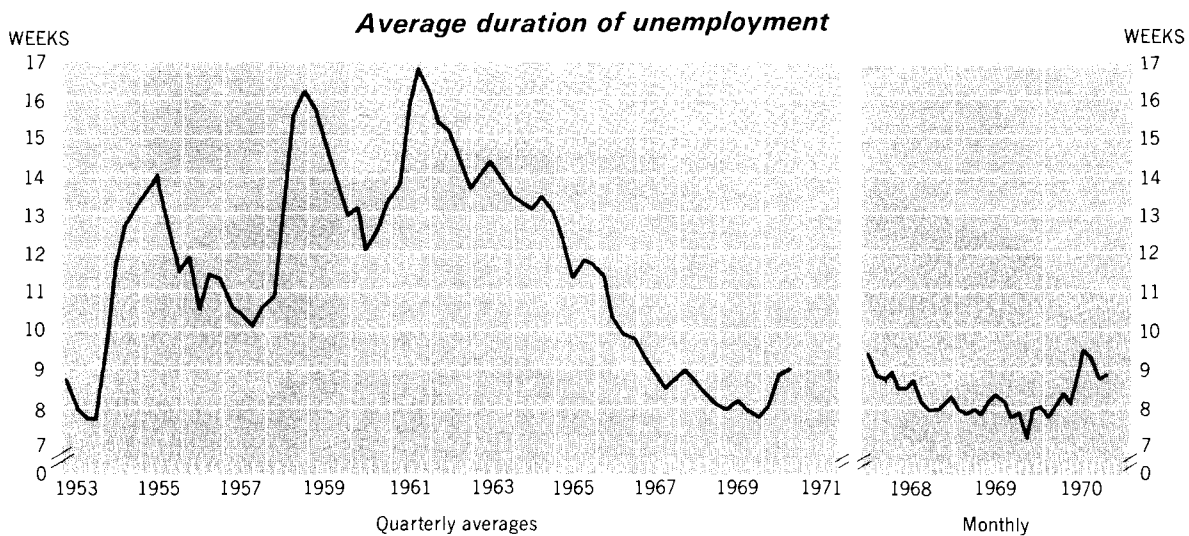
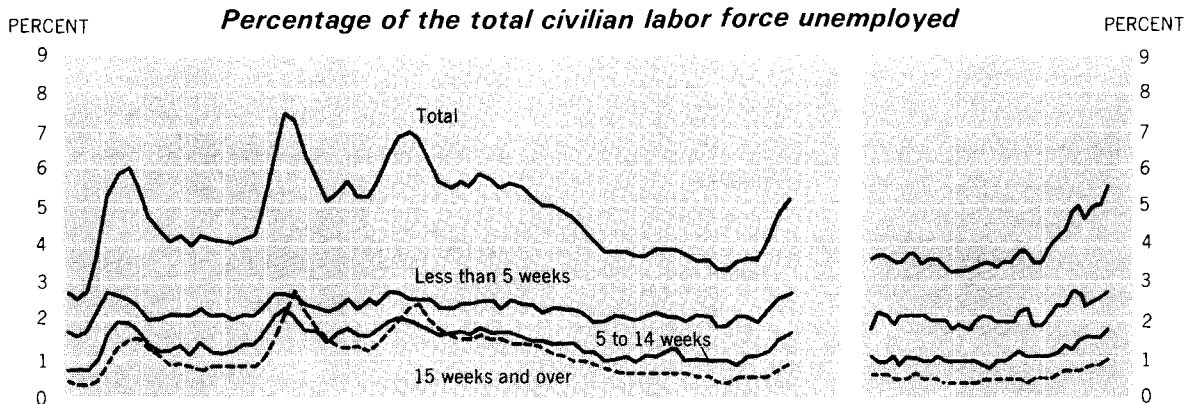
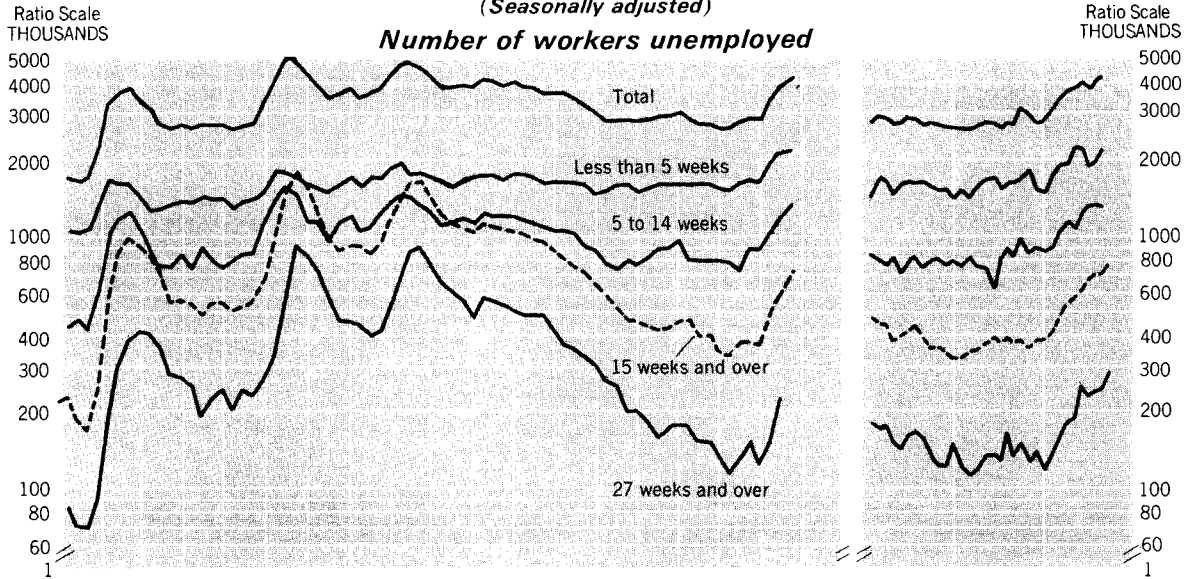


∨ Excludes private household workers.

Source: Table A-37.

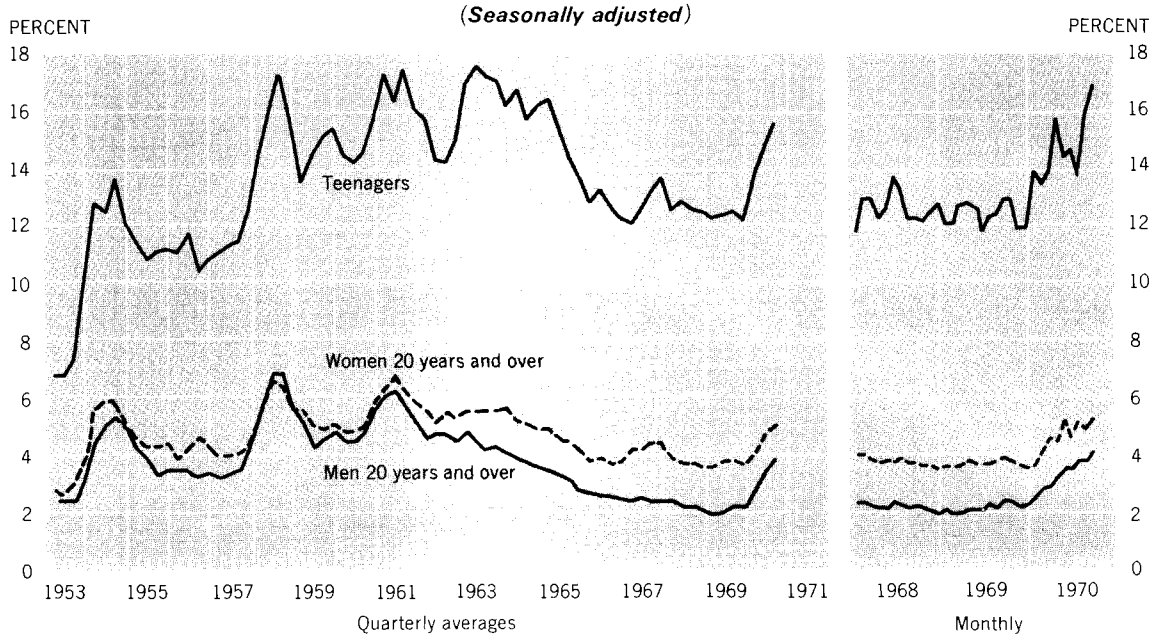
# Chart 7. Duration of Unemployment 1953 to date

(Seasonally adjusted)



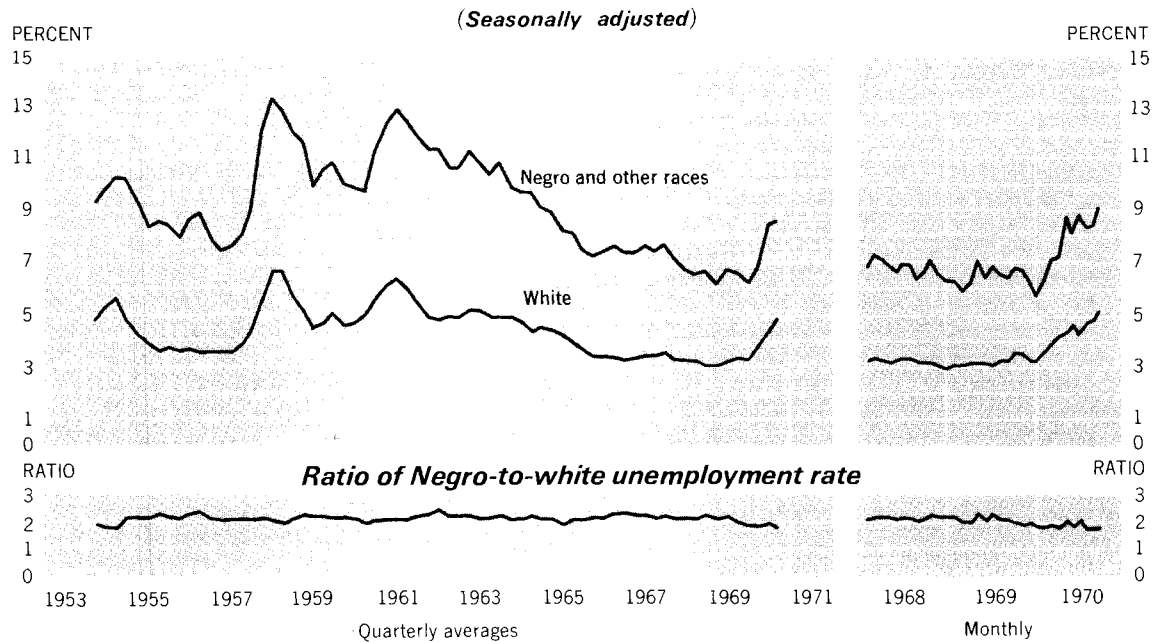
Source: Table A.32.

**Chart 8. Unemployment Rates by Age and Sex  
1953 to date**



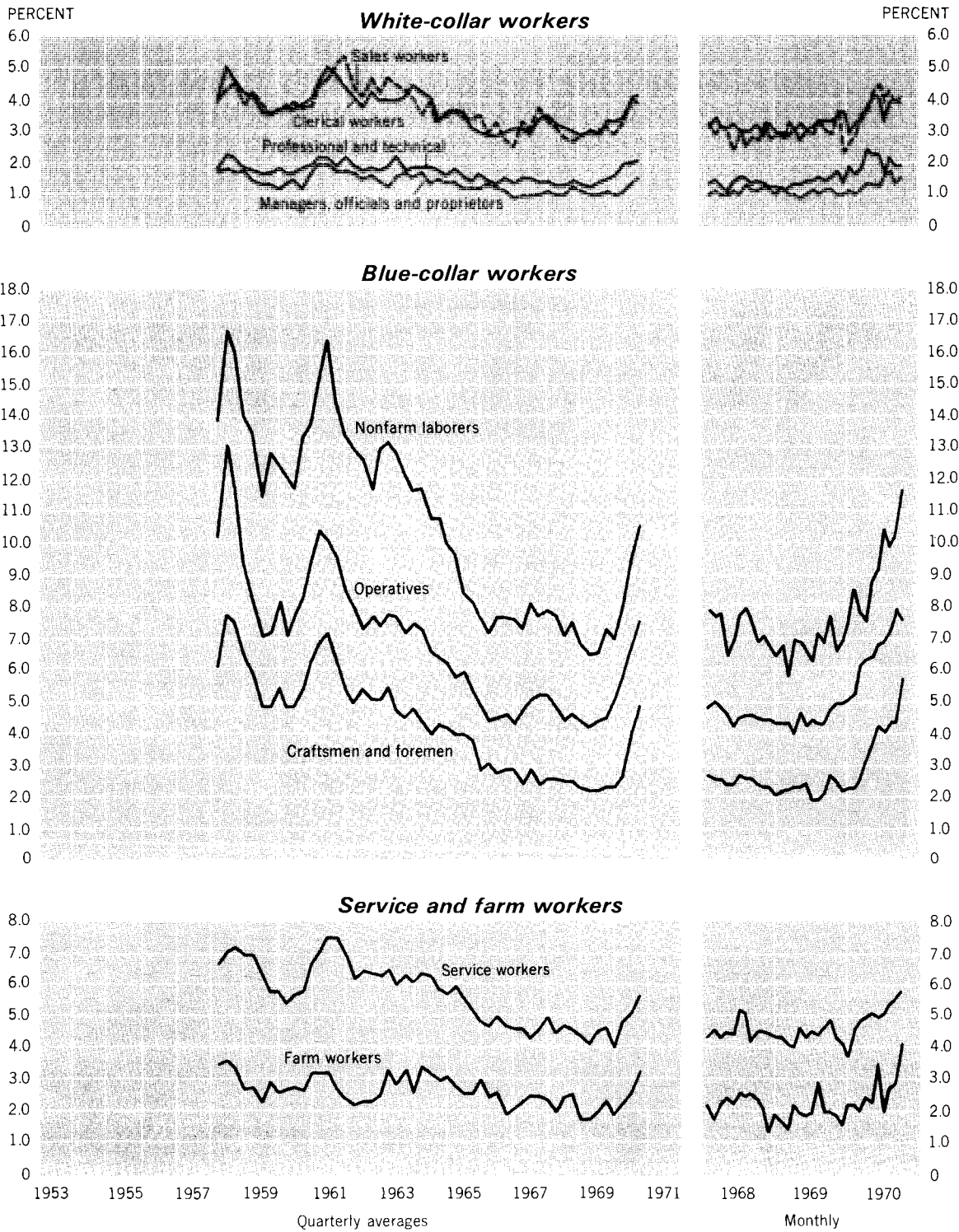
Source: Table A.33.

**Chart 9. Unemployment Rates by Color  
1954 to date**



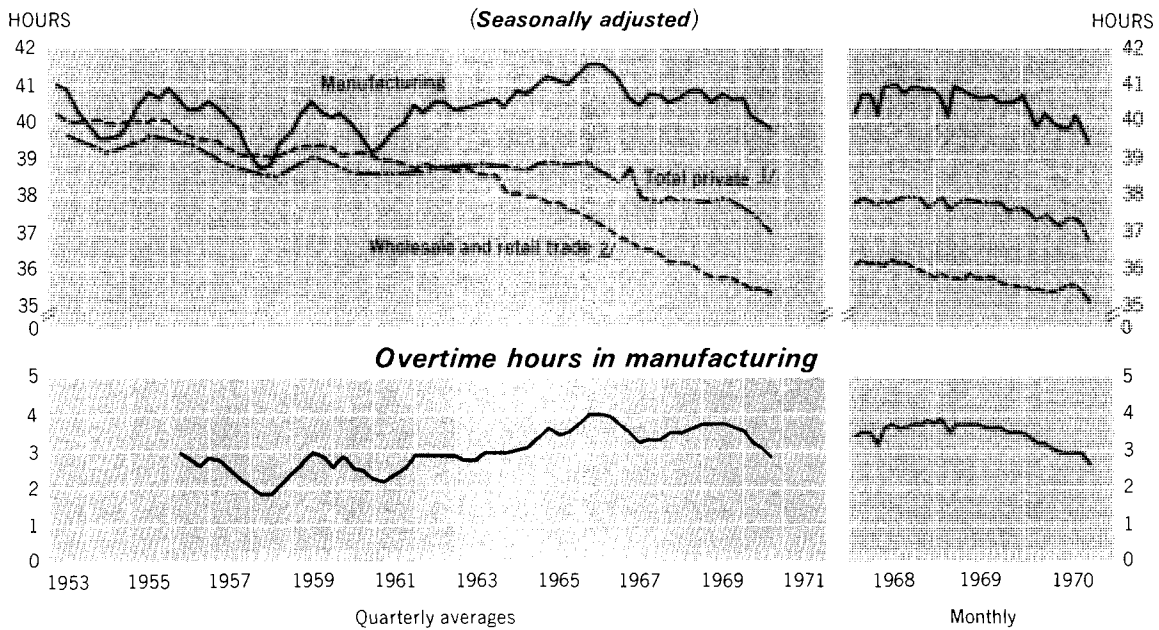
Source: Table A.31.

**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**



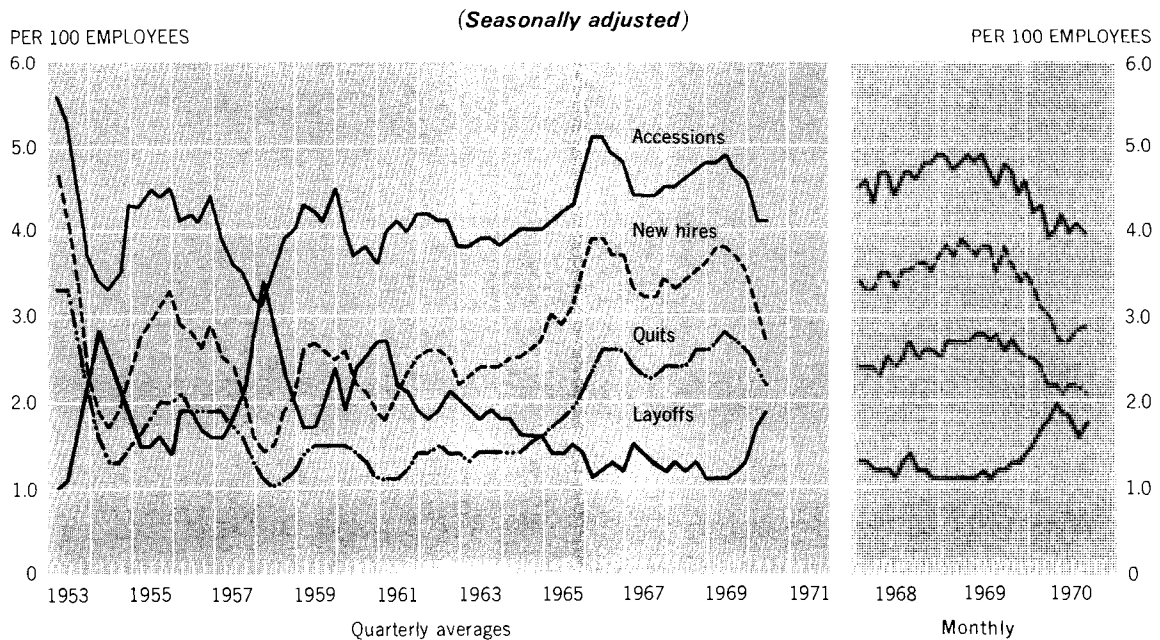
1 Annual averages prior to 1964.

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**

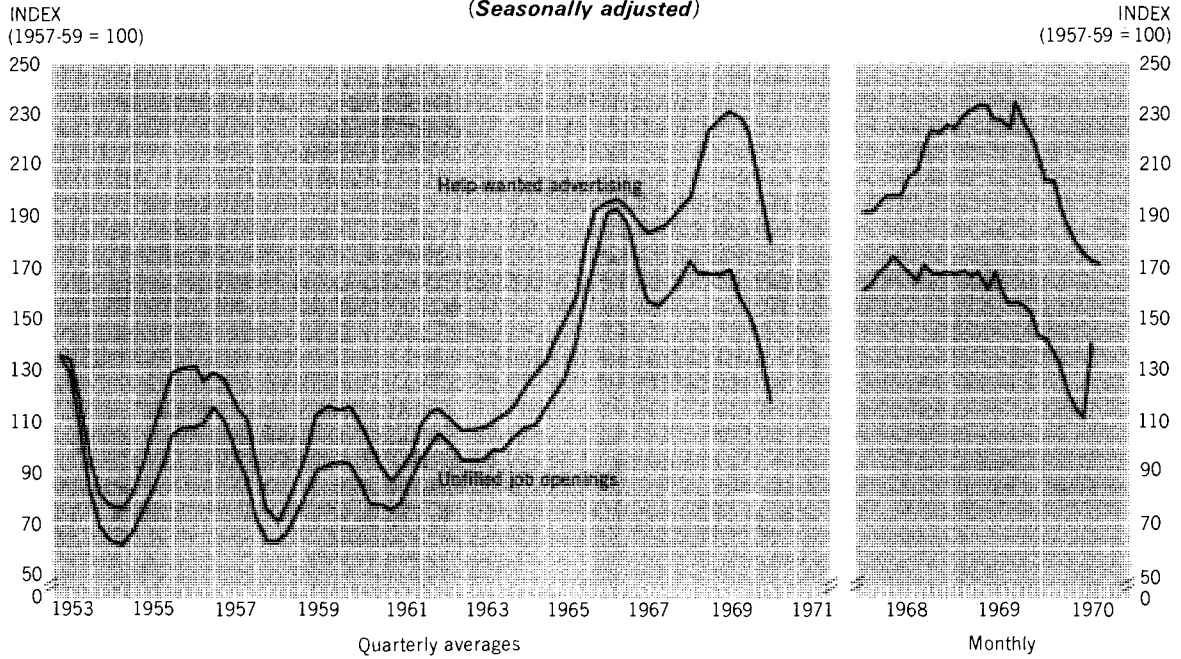


Note: Data for current month are preliminary.

Source: Table D-3.

### Chart 13. Indexes of Help-Wanted Advertising and Unfilled Job Openings 1953 to date

(Seasonally adjusted)



Source: U.S. Department of Labor, Manpower Administration (unfilled job openings) and National Industrial Conference Board.

## 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

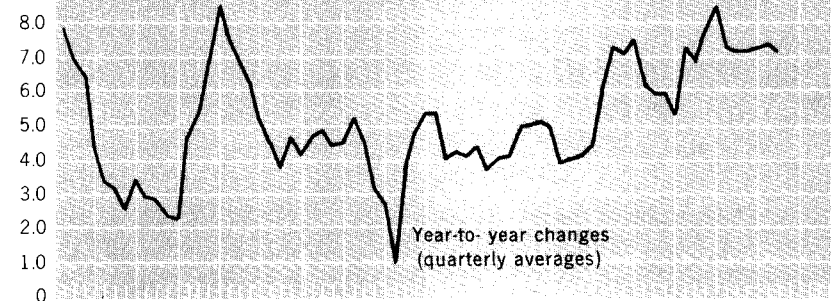
3.0

2.0

1.0

0

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



PERCENT CHANGE

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

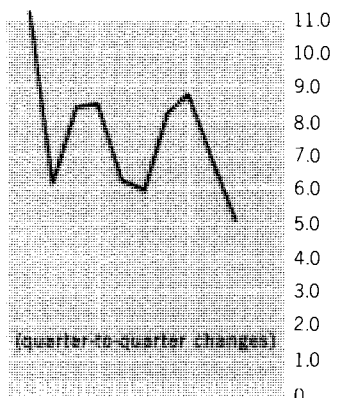
3.0

2.0

1.0

0

(quarter-to-quarter changes)



11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

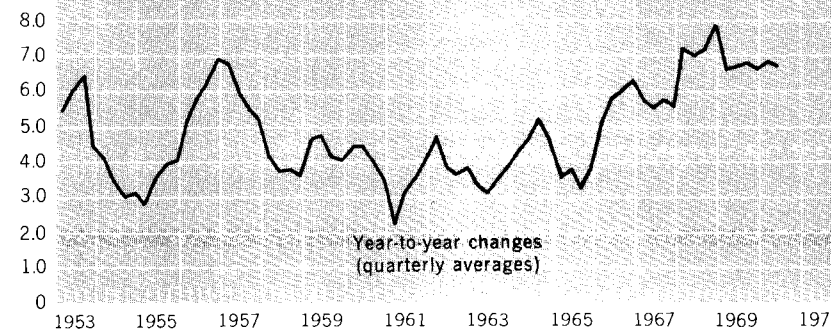
3.0

2.0

1.0

0

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



PERCENT CHANGE

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

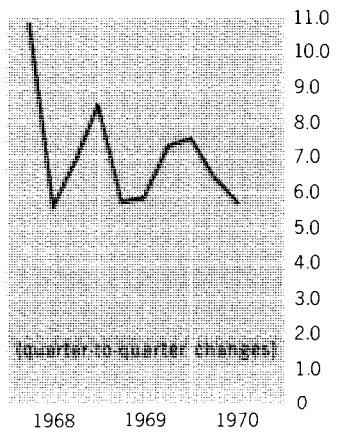
3.0

2.0

1.0

0

(quarter-to-quarter changes)



11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

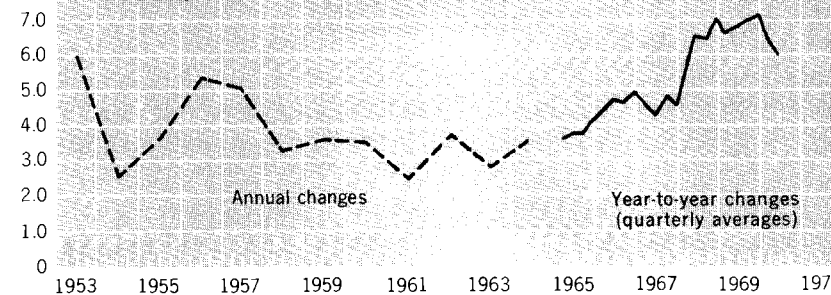
3.0

2.0

1.0

0

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



PERCENT CHANGE

11.0

10.0

9.0

8.0

7.0

6.0

5.0

4.0

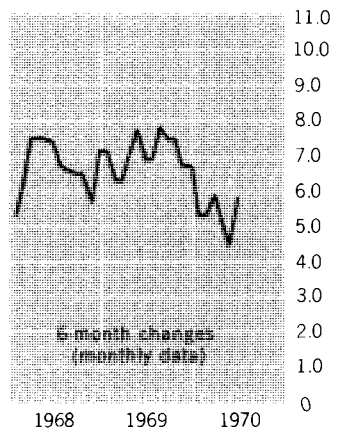
3.0

2.0

1.0

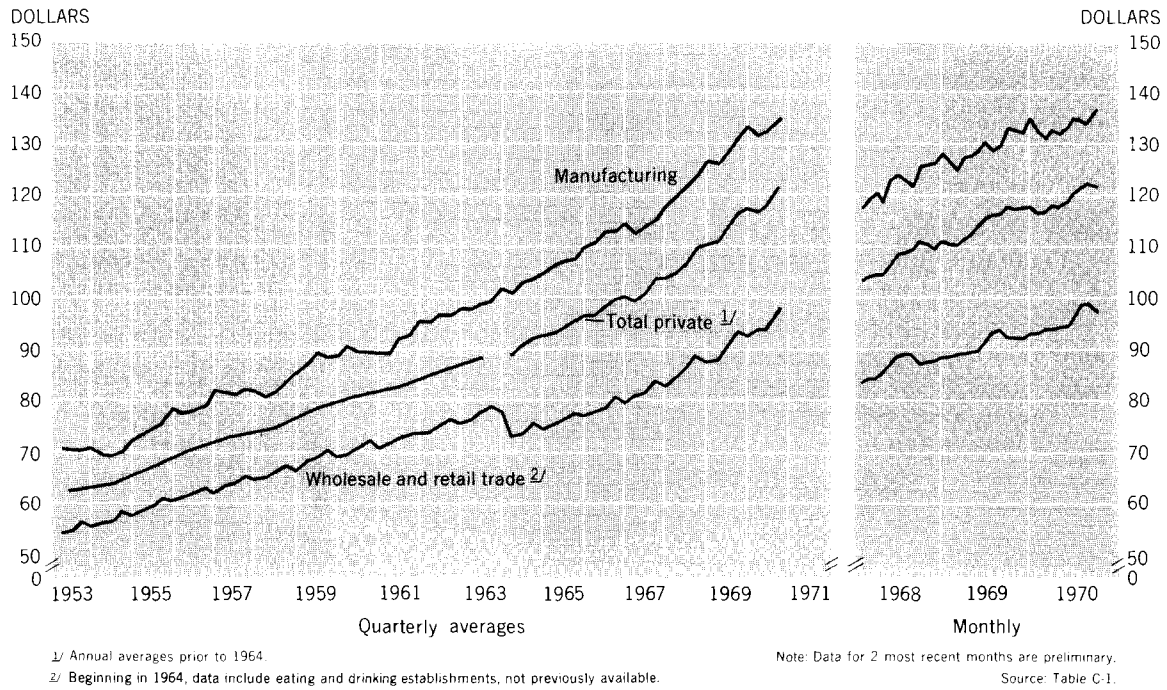
0

6-month changes  
(monthly data)

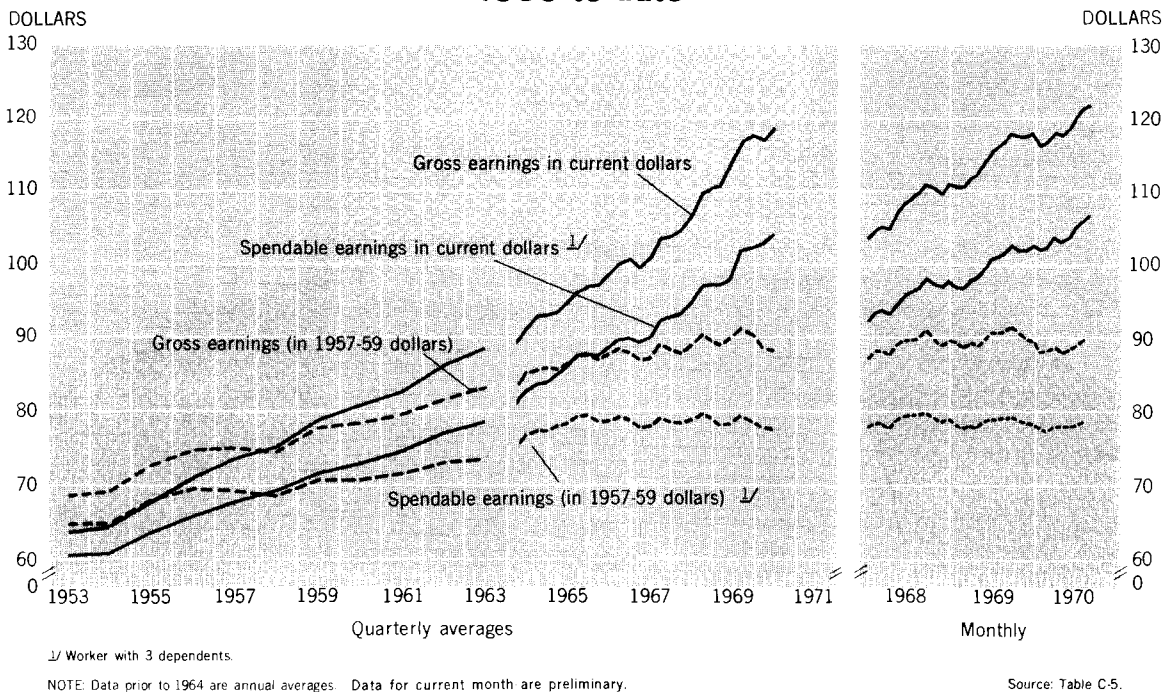




**Chart 15. Average Weekly Earnings in Private Nonagricultural Establishments, Manufacturing, and Trade 1953 to date**



**Chart 16. Average Weekly and Spendable Earnings of Production or Nonsupervisory Workers on Private Nonagricultural Payrolls 1953 to date**



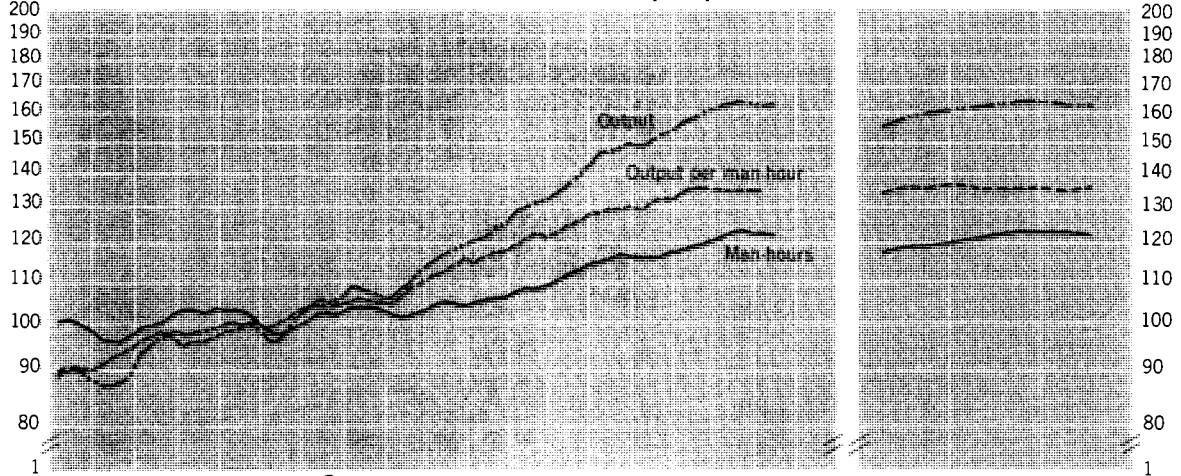
**Chart 17. Indexes of Output Per Man-Hour, Hourly Compensation, and Unit Labor Costs in the Private Nonfarm Economy  
1953 to date**

(Seasonally adjusted quarterly averages)

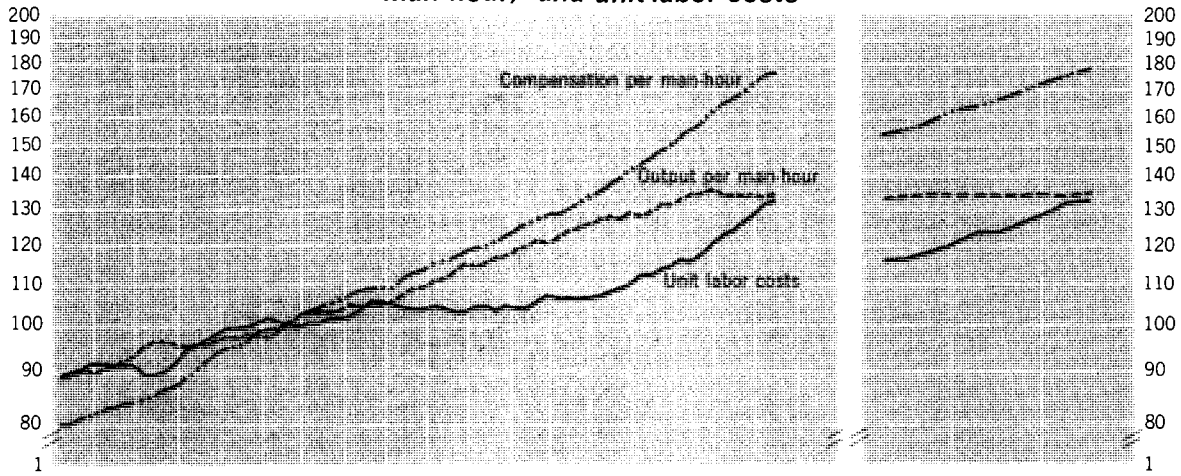
RATIO SCALE  
INDEX (1957-59 = 100)

**Output, man-hours, and output per man-hour**

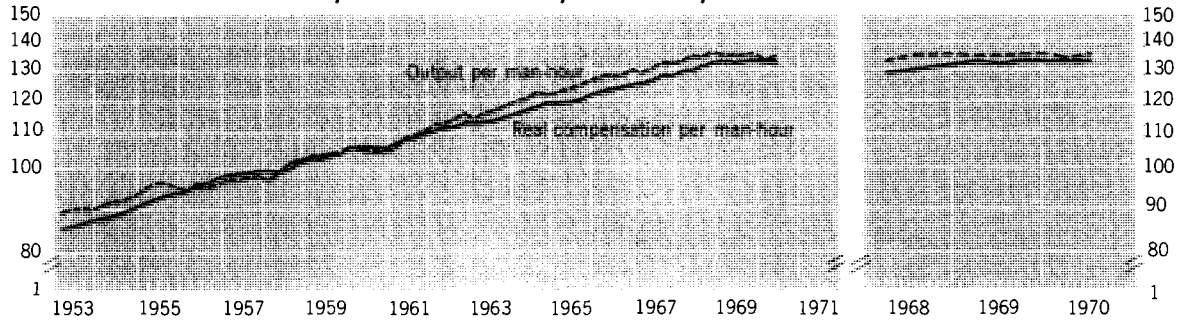
RATIO SCALE  
INDEX (1957-59 = 100)



**Output per man-hour, compensation per man-hour, and unit labor costs**



**Output and real compensation per man-hour**



Source: Table C-10.

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<sup>1</sup> 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		
Persons 14 years of age and over											
									Not seasonally adjusted	Seasonally adjusted	
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	-	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	-	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
Persons 16 years of age and over											
1947.....	103,418	60,941	58.9	59,350	57,039	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
1969: September.....	138,317	84,527	61.1	80,984	78,026	3,629	74,397	2,958	3.7	3.8	53,790
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: January.....	139,099	84,105	60.5	80,719	77,313	2,915	74,398	3,406	4.2	3.9	54,993
1970: February.....	139,298	84,625	60.8	81,283	77,489	2,994	74,495	3,794	4.7	4.2	54,673
1970: March.....	139,497	85,008	60.9	81,690	77,957	3,171	74,786	3,733	4.6	4.4	54,489
1970: April.....	139,687	85,231	61.0	81,960	78,408	3,531	74,877	3,552	4.3	4.8	54,456
1970: May.....	139,884	84,968	60.7	81,741	78,357	3,725	74,632	3,384	4.1	5.0	54,915
1970: June.....	140,046	87,230	62.3	84,050	79,382	4,208	75,174	4,669	5.6	4.7	52,816
1970: July.....	140,259	87,955	62.7	84,801	80,291	4,118	76,173	4,510	5.3	5.0	52,304
1970: August.....	140,468	87,248	62.1	84,115	79,894	3,782	76,112	4,220	5.0	5.1	53,220
1970: September.....	140,675	85,656	60.9	82,547	78,256	3,525	74,730	4,292	5.2	5.5	55,019

<sup>1</sup>Not available.

HOUSEHOLD DATA

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

(In thousands)

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agri-culture	Nonagri-cultural indus-tries	Number	Percent of labor force		
									Not season-ally adjusted	Season-ally adjusted	
<b>MALE</b>											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,854	1,403	2.8	-	12,677
1969: September.....	66,569	53,797	80.8	50,294	48,973	2,988	45,985	1,321	2.6	3.2	12,771
1970: March.....	67,098	53,737	80.1	50,460	48,378	2,704	45,674	2,082	4.1	3.6	13,361
April.....	67,183	53,899	80.2	50,667	48,686	2,979	45,708	1,981	3.9	4.2	13,284
May.....	67,271	53,995	80.3	50,807	48,964	3,056	45,908	1,843	3.6	4.4	13,276
June.....	67,341	55,657	82.7	52,518	49,986	3,340	46,646	2,531	4.8	4.3	11,684
July.....	67,439	56,144	83.3	53,030	50,555	3,290	47,265	2,475	4.7	4.5	11,295
August.....	67,538	55,633	82.4	52,540	50,333	3,090	47,243	2,207	4.2	4.6	11,905
September.....	67,633	54,133	80.0	51,065	48,923	2,904	46,019	2,142	4.2	5.0	13,500
<b>FEMALE</b>											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	-	35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3	-	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	-	37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	-	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	-	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	-	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	-	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	-	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	-	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	-	40,976
1969.....	71,476	30,551	42.7	30,512	29,084	643	28,441	1,428	4.7	-	40,924
1969: September.....	71,749	30,730	42.8	30,691	29,053	642	28,412	1,638	5.3	5.0	41,019
1970: March.....	72,398	31,270	43.2	31,230	29,579	467	29,112	1,651	5.3	5.7	41,128
April.....	72,504	31,332	43.2	31,293	29,722	553	29,169	1,571	5.0	5.7	41,172
May.....	72,613	30,974	42.7	30,934	29,393	669	28,724	1,541	5.0	5.9	41,639
June.....	72,705	31,572	43.4	31,533	29,295	867	28,528	2,137	6.8	5.5	41,133
July.....	72,820	31,810	43.7	31,771	29,736	828	28,908	2,035	6.4	5.9	41,009
August.....	72,930	31,615	43.3	31,575	29,562	693	28,869	2,013	6.4	5.9	41,315
September.....	73,042	31,523	43.2	31,483	29,333	621	28,712	2,150	6.8	6.4	41,519

**A - 3: Employment status of the noninstitutional population by sex, age, and color**  
September 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					
<b>MALE</b>											
16 years and over .....	54,133	80.0	51,065	48,923	2,142	4.2	13,500	245	3,492	1,647	8,116
16 to 21 years .....	6,977	62.9	5,726	4,912	814	14.2	4,117	17	3,112	46	943
16 to 19 years .....	4,112	54.3	3,740	3,161	580	15.5	3,464	11	2,724	24	704
16 and 17 years .....	1,680	43.1	1,649	1,352	297	18.0	2,219	8	1,900	10	300
18 and 19 years .....	2,432	66.1	2,092	1,809	283	13.5	1,245	3	824	14	404
20 to 64 years .....	47,873	92.2	45,176	43,671	1,505	3.3	4,073	97	768	1,063	2,145
20 to 24 years .....	7,471	86.9	5,860	5,324	535	9.1	1,127	14	609	45	459
25 to 54 years .....	33,293	95.8	32,212	31,427	785	2.4	1,443	51	155	550	686
25 to 29 years .....	6,572	96.1	6,183	5,964	219	3.5	268	8	99	49	112
30 to 34 years .....	5,473	97.3	5,208	5,099	109	2.1	151	6	21	44	80
35 to 39 years .....	5,233	97.1	4,983	4,882	101	2.0	155	8	15	60	73
40 to 44 years .....	5,530	96.3	5,420	5,300	120	2.2	214	10	10	90	105
45 to 49 years .....	5,575	95.3	5,529	5,400	129	2.3	277	8	8	126	135
50 to 54 years .....	4,910	92.8	4,889	4,781	107	2.2	379	13	3	182	181
55 to 64 years .....	7,109	82.5	7,105	6,920	185	2.6	1,503	32	3	467	1,001
55 to 59 years .....	4,221	89.3	4,218	4,098	120	2.8	507	12	3	226	266
60 to 64 years .....	2,887	74.3	2,887	2,822	65	2.2	997	20	--	241	735
65 years and over .....	2,148	26.5	2,148	2,091	57	2.6	5,963	136	--	561	5,266
65 to 69 years .....	1,237	40.1	1,237	1,194	43	3.5	1,846	39	--	162	1,645
70 years and over .....	911	18.1	911	898	14	1.5	4,117	97	--	400	3,620
<b>White</b>											
16 years and over .....	48,641	80.4	45,908	44,150	1,758	3.8	11,850	203	2,962	1,370	7,315
16 to 21 years .....	6,166	64.0	5,055	4,418	637	12.6	3,464	9	2,627	35	792
16 to 19 years .....	3,679	56.0	3,347	2,884	463	13.8	2,888	7	2,272	17	591
16 and 17 years .....	1,532	45.4	1,504	1,251	253	16.8	1,840	7	1,577	7	249
18 and 19 years .....	2,146	67.2	1,843	1,632	210	11.4	1,048	1	695	10	342
20 to 64 years .....	42,988	92.4	40,587	39,342	1,245	3.1	3,513	75	691	889	1,859
20 to 24 years .....	6,566	86.9	5,121	4,687	435	8.5	989	5	558	31	394
25 to 54 years .....	29,939	96.3	28,987	28,341	646	2.2	1,167	36	130	439	563
25 to 34 years .....	10,732	97.0	10,159	9,886	272	2.7	334	9	101	70	154
35 to 44 years .....	9,673	97.1	9,357	9,179	179	1.9	287	12	18	118	139
45 to 54 years .....	9,533	94.6	9,471	9,276	194	2.1	545	14	11	250	270
55 to 64 years .....	6,483	82.7	6,479	6,314	165	2.5	1,358	35	3	419	902
55 to 59 years .....	3,854	89.7	3,851	3,744	107	2.8	440	13	3	208	216
60 to 64 years .....	2,628	74.1	2,628	2,570	58	2.2	918	21	--	211	686
65 years and over .....	1,974	26.6	1,974	1,924	50	2.5	5,450	120	--	464	4,865
<b>Negro and other races</b>											
16 years and over .....	5,493	76.9	5,156	4,773	384	7.4	1,649	42	530	277	800
16 to 21 years .....	811	55.4	672	495	177	26.3	654	8	485	11	151
16 to 19 years .....	433	42.9	393	277	117	29.6	576	4	453	7	113
16 and 17 years .....	147	28.0	145	101	44	30.4	379	2	324	3	51
18 and 19 years .....	286	59.1	249	176	73	29.2	197	2	129	4	62
20 to 64 years .....	4,886	89.7	4,589	4,329	260	5.7	560	22	77	174	287
20 to 24 years .....	905	86.8	738	638	101	13.6	138	8	51	14	65
25 to 54 years .....	3,355	92.4	3,225	3,085	139	4.3	277	15	26	112	123
25 to 34 years .....	1,312	94.0	1,232	1,176	56	4.5	84	5	19	23	38
35 to 44 years .....	1,091	93.0	1,046	1,003	43	4.1	82	5	6	32	39
45 to 54 years .....	952	89.6	947	906	41	4.4	111	6	1	58	46
55 to 64 years .....	626	81.2	626	605	20	3.2	145	--	--	48	100
55 to 59 years .....	367	84.7	367	354	13	3.5	66	--	--	18	50
60 to 64 years .....	259	76.6	259	252	7	2.8	79	--	--	30	50
65 years and over .....	174	25.3	174	167	7	3.9	513	16	--	97	400

A-3: Employment status of the noninstitutional population by sex, age, and color--Continued  
September 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					
<b>FEMALE</b>											
16 years and over .....	31,523	43.2	31,483	29,333	2,150	6.8	41,519	35,124	3,325	826	2,244
16 to 21 years .....	5,219	47.9	5,200	4,452	748	14.4	5,681	1,752	3,085	27	816
16 to 19 years .....	3,182	42.9	3,173	2,621	552	17.4	4,243	830	2,760	14	639
16 and 17 years .....	1,268	33.2	1,268	1,020	247	19.5	2,548	204	2,020	3	321
18 and 19 years .....	1,914	53.0	1,905	1,601	304	16.0	1,694	625	740	11	318
20 to 64 years .....	27,282	49.9	27,251	25,689	1,563	5.7	27,377	25,581	559	307	930
20 to 24 years .....	4,929	57.7	4,910	4,447	463	9.4	3,615	2,868	434	27	286
25 to 54 years .....	18,192	49.9	18,180	17,213	967	5.3	18,237	17,526	123	156	432
25 to 29 years .....	3,073	44.3	3,068	2,869	199	6.5	3,865	3,727	42	20	76
30 to 34 years .....	2,557	44.1	2,555	2,354	201	7.9	3,248	3,152	29	14	52
35 to 39 years .....	2,754	49.2	2,754	2,589	165	6.0	2,840	2,735	26	12	67
40 to 44 years .....	3,206	52.9	3,205	3,061	144	4.5	2,851	2,733	10	29	79
45 to 49 years .....	3,502	55.7	3,502	3,347	155	4.4	2,785	2,685	9	24	67
50 to 54 years .....	3,096	53.9	3,096	2,992	104	3.3	2,647	2,494	6	57	91
55 to 64 years .....	4,162	43.0	4,161	4,029	133	3.2	5,525	5,187	2	124	212
55 to 59 years .....	2,554	49.0	2,554	2,461	93	3.6	2,663	2,514	1	66	82
60 to 64 years .....	1,607	36.0	1,607	1,567	40	2.5	2,861	2,673	--	58	130
65 years and over .....	1,059	9.7	1,059	1,023	35	3.3	9,900	8,714	6	505	675
65 to 69 years .....	662	17.7	662	632	30	4.6	3,070	2,863	2	65	140
70 years and over .....	396	5.5	396	391	5	1.3	6,831	5,851	4	441	535
<b>White</b>											
16 years and over .....	27,532	42.4	27,496	25,725	1,771	6.4	37,339	31,936	2,780	681	1,943
16 to 21 years .....	4,655	49.6	4,638	4,045	593	12.8	4,730	1,459	2,577	22	672
16 to 19 years .....	2,869	44.9	2,861	2,426	435	15.2	3,517	684	2,308	10	514
16 and 17 years .....	1,171	35.7	1,171	960	210	18.0	2,106	166	1,678	2	261
18 and 19 years .....	1,698	54.6	1,690	1,466	225	13.3	1,410	519	630	8	253
20 to 64 years .....	23,705	49.0	23,677	22,374	1,304	5.5	24,683	23,163	465	248	806
20 to 24 years .....	4,298	57.8	4,281	3,913	367	8.6	3,139	2,506	359	22	253
25 to 54 years .....	15,677	48.7	15,666	14,845	821	5.2	16,482	15,884	104	121	373
25 to 34 years .....	4,728	42.4	4,722	4,399	322	6.8	6,426	6,224	58	24	121
35 to 44 years .....	5,108	50.0	5,105	4,844	261	5.1	5,117	4,938	32	35	112
45 to 54 years .....	5,841	54.2	5,839	5,602	237	4.1	4,939	4,722	14	62	140
55 to 64 years .....	3,731	42.4	3,731	3,615	116	3.1	5,061	4,773	2	105	181
55 to 59 years .....	2,283	48.4	2,282	2,200	83	3.6	2,432	2,308	2	56	66
60 to 64 years .....	1,448	35.5	1,448	1,415	33	2.3	2,630	2,465	--	49	115
65 years and over .....	958	9.5	958	925	32	3.4	9,140	8,089	6	422	623
<b>Negro and other races</b>											
16 years and over .....	3,991	48.8	3,986	3,608	379	9.5	4,180	3,188	545	145	301
16 to 21 years .....	565	37.2	562	407	155	27.5	951	294	509	5	144
16 to 19 years .....	313	30.1	312	195	117	37.4	726	145	452	3	125
16 and 17 years .....	97	18.0	97	60	37	38.2	442	38	342	1	61
18 and 19 years .....	216	43.2	215	135	80	37.1	284	107	110	3	65
20 to 64 years .....	3,577	57.0	3,574	3,315	259	7.2	2,694	2,418	93	58	124
20 to 24 years .....	631	57.0	629	534	95	15.2	476	362	75	5	34
25 to 54 years .....	2,515	58.9	2,514	2,367	147	5.8	1,754	1,642	18	35	59
25 to 34 years .....	902	56.8	902	824	77	8.5	687	656	13	10	8
35 to 44 years .....	854	59.8	854	806	48	5.7	574	529	4	7	34
45 to 54 years .....	759	60.6	758	737	21	2.8	494	456	1	19	18
55 to 64 years .....	431	48.2	431	414	17	3.9	463	414	--	19	30
55 to 59 years .....	272	54.0	272	262	10	3.7	232	206	--	10	16
60 to 64 years .....	159	40.7	159	152	7	4.3	231	208	--	9	14
65 years and over .....	101	11.7	101	98	3	2.8	760	625	--	84	52



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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>MALE</b>								
16 years and over .....	54,133	53,797	80.0	80.8	51,065	50,294	79.1	79.7
16 to 19 years .....	4,112	4,121	54.3	55.9	3,740	3,674	51.9	53.1
16 and 17 years .....	1,680	1,700	43.1	44.8	1,649	1,664	42.6	44.3
18 and 19 years .....	2,432	2,421	66.1	67.7	2,092	2,010	62.7	63.6
20 to 24 years .....	7,471	7,149	86.9	86.8	5,860	5,350	83.9	83.1
25 to 54 years .....	33,293	33,164	95.8	96.3	32,212	31,909	95.7	96.1
25 to 34 years .....	12,045	11,780	96.6	97.1	11,391	10,997	96.5	96.9
35 to 44 years .....	10,764	10,934	96.7	97.1	10,403	10,546	96.6	97.0
45 to 54 years .....	10,485	10,449	94.1	94.5	10,418	10,366	94.1	94.5
55 to 64 years .....	7,109	7,111	82.5	83.6	7,105	7,108	82.5	83.6
55 to 59 years .....	4,221	4,193	89.3	89.7	4,218	4,190	89.3	89.7
60 to 64 years .....	2,887	2,918	74.3	76.2	2,887	2,917	74.3	76.2
65 years and over .....	2,148	2,253	26.5	28.1	2,148	2,253	26.5	28.1
<b>White</b>								
16 years and over .....	48,641	48,380	80.4	81.2	45,908	45,253	79.5	80.1
16 to 19 years .....	3,679	3,646	56.0	57.1	3,347	3,250	53.7	54.2
16 and 17 years .....	1,532	1,531	45.4	46.5	1,504	1,500	45.0	46.0
18 and 19 years .....	2,146	2,115	67.2	68.2	1,843	1,750	63.8	64.0
20 to 24 years .....	6,566	6,279	86.9	86.5	5,121	4,662	83.8	82.6
25 to 54 years .....	29,939	29,865	96.3	96.7	28,987	28,756	96.1	96.6
25 to 34 years .....	10,732	10,498	97.0	97.3	10,159	9,812	96.8	97.1
35 to 44 years .....	9,673	9,858	97.1	97.8	9,537	9,514	97.0	97.7
45 to 54 years .....	9,533	9,509	94.6	95.0	9,471	9,430	94.6	95.6
55 to 64 years .....	6,483	6,513	82.7	84.1	6,479	6,510	82.7	84.1
55 to 59 years .....	3,854	3,840	89.7	90.5	3,851	3,837	89.7	90.4
60 to 64 years .....	2,628	2,673	74.1	76.5	2,628	2,673	74.1	76.5
65 years and over .....	1,974	2,076	26.6	28.3	1,974	2,076	26.6	28.3
<b>Negro and other races</b>								
16 years and over .....	5,493	5,417	76.9	77.9	5,156	5,040	75.8	76.6
16 to 19 years .....	433	475	42.9	48.7	393	424	40.6	45.9
16 and 17 years .....	147	169	28.0	33.6	145	164	27.6	32.9
18 and 19 years .....	286	306	59.1	64.8	249	260	55.8	61.0
20 to 24 years .....	905	869	86.8	88.9	738	688	84.3	86.4
25 to 54 years .....	3,355	3,299	92.4	92.5	3,225	3,153	92.1	92.2
25 to 34 years .....	1,312	1,282	94.0	95.5	1,232	1,185	93.6	95.1
35 to 44 years .....	1,091	1,076	93.0	91.7	1,046	1,032	92.7	91.4
45 to 54 years .....	952	940	89.6	89.7	947	936	89.5	89.6
55 to 64 years .....	626	598	81.2	78.4	626	598	81.2	78.4
55 to 59 years .....	367	353	84.7	82.5	367	353	84.7	82.5
60 to 64 years .....	259	245	76.6	73.0	259	245	76.6	73.0
65 years and over .....	174	177	25.3	26.2	174	177	25.3	26.2

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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>FEMALE</b>								
16 years and over .....	31,523	30,730	43.2	42.8	31,483	30,691	43.1	42.8
16 to 19 years .....	3,182	2,989	42.9	41.5	3,173	2,980	42.8	41.4
16 and 17 years .....	1,268	1,162	33.2	31.4	1,268	1,161	33.2	31.3
18 and 19 years .....	1,914	1,828	53.0	52.1	1,905	1,818	52.9	52.0
20 to 24 years .....	4,929	4,618	57.7	56.3	4,910	4,600	57.6	56.2
25 to 54 years .....	18,192	17,972	49.9	49.8	18,180	17,960	49.9	49.7
25 to 34 years .....	5,630	5,479	44.2	44.1	5,623	5,473	44.2	44.1
35 to 44 years .....	5,962	5,955	51.2	50.5	5,959	5,952	51.1	50.5
45 to 54 years .....	6,600	6,537	54.9	54.9	6,598	6,536	54.8	54.9
55 to 64 years .....	4,162	4,103	43.0	43.1	4,161	4,103	43.0	43.1
55 to 59 years .....	2,554	2,562	49.0	49.9	2,554	2,562	49.0	49.9
60 to 64 years .....	1,607	1,541	36.0	35.2	1,607	1,541	36.0	35.2
65 years and over .....	1,059	1,048	9.7	9.8	1,059	1,048	9.7	9.8
<b>White</b>								
16 years and over .....	27,532	26,768	42.4	41.9	27,496	26,733	42.4	41.9
16 to 19 years .....	2,869	2,687	44.9	43.3	2,861	2,679	44.9	43.2
16 and 17 years .....	1,171	1,062	35.7	33.3	1,171	1,062	35.7	33.3
18 and 19 years .....	1,698	1,625	54.6	53.9	1,690	1,617	54.5	53.7
20 to 24 years .....	4,298	4,003	57.8	55.9	4,281	3,987	57.7	55.8
25 to 54 years .....	15,677	15,433	48.7	48.3	15,666	15,423	48.7	48.3
25 to 34 years .....	4,728	4,563	42.4	41.9	4,722	4,557	42.4	41.9
35 to 44 years .....	5,108	5,097	50.0	49.2	5,105	5,094	49.9	49.1
45 to 54 years .....	5,841	5,773	54.2	54.0	5,839	5,772	54.2	54.0
55 to 64 years .....	3,731	3,697	42.4	42.8	3,731	3,697	42.4	42.8
55 to 59 years .....	2,283	2,310	48.4	49.8	2,282	2,309	48.4	49.8
60 to 64 years .....	1,448	1,387	35.5	34.7	1,448	1,387	35.5	34.7
65 years and over .....	958	948	9.5	9.6	958	948	9.5	9.6
<b>Negro and other races</b>								
16 years and over .....	3,991	3,962	48.8	50.0	3,986	3,957	48.8	50.0
16 to 19 years .....	313	302	30.1	30.2	312	301	30.0	30.1
16 and 17 years .....	97	99	18.0	19.3	97	99	18.0	19.3
18 and 19 years .....	216	203	43.2	41.6	215	202	43.1	41.4
20 to 24 years .....	631	615	57.0	59.2	629	612	56.9	59.2
25 to 54 years .....	2,515	2,539	58.9	60.7	2,514	2,538	58.9	60.7
25 to 34 years .....	902	916	56.8	59.9	902	916	56.8	59.8
35 to 44 years .....	854	858	59.8	60.3	854	858	59.8	60.2
45 to 54 years .....	759	764	60.6	62.3	758	764	60.6	62.3
55 to 64 years .....	431	406	48.2	46.6	431	406	48.2	46.6
55 to 59 years .....	272	252	54.0	51.4	272	252	54.0	51.4
60 to 64 years .....	159	154	40.7	40.5	159	154	40.7	40.5
65 years and over .....	101	100	11.7	12.0	101	100	11.7	12.0

A- 5: Employment status of persons 16-21 years of age in the noninstitutional population by color and sex  
September 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	21,995	11,095	10,900	19,014	9,630	9,384	2,981	1,464	1,516
Total labor force	12,196	6,977	5,219	10,821	6,166	4,655	1,375	811	565
Percent of population	55.5	62.9	47.9	56.9	64.0	49.6	46.1	55.4	37.2
Civilian labor force	10,926	5,726	5,200	9,692	5,055	4,638	1,234	672	562
Employed	9,365	4,912	4,452	8,462	4,418	4,045	902	495	407
Agriculture	477	414	63	425	369	56	52	44	7
Nonagricultural industries	8,888	4,499	4,389	8,037	4,048	3,989	851	450	400
Unemployed	1,561	814	748	1,230	637	593	331	177	155
Percent of labor force	14.3	14.2	14.4	12.7	12.6	12.8	26.9	26.3	27.5
Looking for full-time work	884	437	446	632	307	325	252	130	122
Looking for part-time work	678	376	301	598	330	268	80	47	33
Not in labor force	9,798	4,117	5,681	8,193	3,464	4,730	1,605	654	951
Major activity: going to school									
Civilian labor force	2,468	1,434	1,034	2,280	1,318	963	188	116	72
Employed	1,955	1,129	827	1,841	1,057	784	114	71	43
Agriculture	155	137	17	147	131	16	7	6	1
Nonagricultural industries	1,801	991	809	1,694	926	768	107	65	42
Unemployed	513	305	208	439	260	179	74	45	29
Percent of labor force	20.8	21.3	20.1	19.3	19.8	18.6	39.3	38.5	40.5
Looking for full-time work	31	23	8	21	16	4	10	6	4
Looking for part-time work	482	282	200	419	244	175	64	38	25
Not in labor force	6,197	3,112	3,085	5,204	2,627	2,577	993	485	509
Major activity: other									
Civilian labor force	8,458	4,292	4,165	7,412	3,737	3,675	1,046	556	490
Employed	7,409	3,784	3,626	6,621	3,360	3,261	788	424	365
Agriculture	322	276	46	278	238	40	44	38	6
Nonagricultural industries	7,087	3,507	3,580	6,343	3,122	3,221	744	385	359
Unemployed	1,048	509	540	791	377	414	258	132	125
Percent of labor force	12.4	11.9	13.0	10.7	10.1	11.3	24.6	23.8	25.6
Looking for full-time work	853	415	438	612	291	321	242	124	118
Looking for part-time work	195	94	101	179	86	94	16	8	8
Not in labor force	3,601	1,005	2,596	2,989	837	2,153	612	169	443

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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>Total</b>								
Total noninstitutional population	140,675	138,317	60,057	59,203	65,617	64,539	15,000	14,576
Total labor force	85,656	84,527	50,021	49,676	28,341	27,741	7,294	7,110
Percent of population	60.9	61.1	83.3	83.9	43.2	43.0	48.6	48.8
Civilian labor force	82,547	80,984	47,324	46,620	28,310	27,711	6,913	6,653
Employed	78,256	78,026	45,762	45,706	26,712	26,509	5,782	5,811
Agriculture	3,525	3,629	2,578	2,663	573	605	374	362
Nonagricultural industries	74,730	74,397	43,184	43,043	26,138	25,904	5,408	5,449
Unemployed	4,292	2,958	1,562	914	1,598	1,202	1,131	842
Percent of labor force	5.2	3.7	3.3	2.0	5.6	4.3	16.4	12.7
Not in labor force	55,019	53,790	10,036	9,527	37,277	36,798	7,706	7,465
<b>White</b>								
Total noninstitutional population	125,362	123,436	53,924	53,223	58,486	57,613	12,952	12,600
Total labor force	76,173	75,148	44,962	44,734	24,663	24,081	6,548	6,333
Percent of population	60.8	60.9	83.4	84.1	42.2	41.8	50.6	50.3
Civilian labor force	73,404	71,987	42,561	42,004	24,635	24,055	6,208	5,928
Employed	69,875	69,586	41,266	41,249	23,299	23,070	5,310	5,268
Agriculture	3,139	3,252	2,297	2,398	512	530	330	324
Nonagricultural industries	66,736	66,334	38,969	38,851	22,787	22,540	4,979	4,943
Unemployed	3,529	2,400	1,295	755	1,336	985	898	661
Percent of labor force	4.8	3.3	3.0	1.8	5.4	4.1	14.5	11.1
Not in labor force	49,190	48,288	8,963	8,489	33,823	33,532	6,404	6,267
<b>Negro and other races</b>								
Total noninstitutional population	15,312	14,882	6,133	5,980	7,131	6,925	2,048	1,976
Total labor force	9,483	9,379	5,060	4,942	3,678	3,660	746	777
Percent of population	61.9	63.0	82.5	82.6	51.6	52.8	36.4	39.3
Civilian labor force	9,143	8,998	4,763	4,616	3,675	3,657	705	725
Employed	8,380	8,440	4,496	4,458	3,413	3,439	472	543
Agriculture	386	377	281	265	61	75	44	37
Nonagricultural industries	7,994	8,063	4,215	4,192	3,351	3,364	428	506
Unemployed	762	558	267	159	262	218	233	182
Percent of labor force	8.3	6.2	5.6	3.4	7.1	5.9	33.1	25.1
Not in labor force	5,829	5,502	1,073	1,038	3,454	3,266	1,302	1,199

**HOUSEHOLD DATA**

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

September 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 <sup>1</sup>	Unemployed (looking for part-time work)	
		Full- time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
16 years and over .....	71,329	65,910	2,276	3,143	4.4	11,218	10,069	1,149	10.2
16 to 21 years .....	7,144	5,735	526	884	12.4	3,782	3,104	678	17.9
16 to 19 years .....	3,700	2,802	362	536	14.5	3,213	2,617	596	18.5
16 and 17 years .....	685	469	93	123	18.0	2,232	1,811	421	18.9
18 and 19 years .....	3,015	2,333	269	413	13.7	981	807	175	17.8
20 years and over .....	67,629	63,107	1,914	2,607	3.9	8,005	7,452	553	6.9
20 to 24 years .....	9,580	8,405	342	832	8.7	1,190	1,024	166	13.9
25 years and over .....	58,050	54,703	1,572	1,775	3.1	6,815	6,429	387	5.7
25 to 54 years .....	46,069	43,505	1,118	1,447	3.1	4,322	4,017	305	7.1
55 years and over .....	11,980	11,198	454	328	2.7	2,493	2,411	81	3.2
<b>MALE</b>									
16 years and over .....	47,167	44,302	1,207	1,658	3.5	3,898	3,414	484	12.4
16 to 21 years .....	3,742	3,028	276	437	11.7	1,984	1,608	376	19.0
16 to 19 years .....	2,010	1,558	201	252	12.5	1,730	1,402	328	18.9
20 years and over .....	45,156	42,744	1,006	1,406	3.1	2,168	2,012	156	17.2
20 to 24 years .....	5,348	4,709	183	455	8.5	512	432	80	15.6
25 years and over .....	39,809	38,035	823	951	2.4	1,656	1,580	77	4.6
25 to 54 years .....	31,694	30,375	573	746	2.4	518	478	40	7.7
55 years and over .....	8,115	7,660	250	205	2.5	1,138	1,101	37	3.3
<b>FEMALE</b>									
16 years and over .....	24,162	21,608	1,070	1,485	6.1	7,320	6,656	665	9.1
16 to 21 years .....	3,403	2,707	249	446	13.1	1,797	1,496	301	16.8
16 to 19 years .....	1,690	1,244	162	284	16.8	1,483	1,215	268	18.1
20 years and over .....	22,472	20,363	908	1,201	5.3	5,837	5,440	397	6.8
20 to 24 years .....	4,232	3,696	159	377	8.9	678	592	86	12.7
25 years and over .....	18,241	16,667	749	824	4.5	5,159	4,848	311	6.0
25 to 54 years .....	14,375	13,130	545	701	4.9	3,804	3,538	266	7.0
55 years and over .....	3,866	3,537	205	123	3.2	1,355	1,310	45	3.3

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

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
Total, 16 years and over .....	2,142	1,321	4.2	2.6	2,150	1,638	6.8	5.3
16 to 19 years .....	580	407	15.5	11.1	552	435	17.4	14.6
16 and 17 years .....	297	227	18.0	13.6	247	204	19.5	17.6
18 and 19 years .....	283	180	13.5	9.0	304	231	16.0	12.7
20 years and over .....	1,562	914	3.3	2.0	1,598	1,202	5.6	4.3
20 to 24 years .....	535	282	9.1	5.3	463	343	9.4	7.5
25 years and over .....	1,027	632	2.5	1.5	1,135	859	4.9	3.7
25 to 34 years .....	328	200	2.9	1.8	400	302	7.1	5.5
35 to 44 years .....	221	146	2.1	1.4	309	243	5.2	4.1
45 to 54 years .....	236	129	2.3	1.2	259	183	3.9	2.8
55 to 64 years .....	185	112	2.6	1.6	133	109	3.2	2.7
55 to 59 years .....	120	73	2.8	1.7	93	80	3.6	3.1
60 to 64 years .....	65	40	2.2	1.4	40	29	2.5	1.9
65 years and over .....	57	45	2.6	2.0	35	22	3.3	2.1
Household head, 16 years and over .....	1,046	615	2.5	1.5	312	233	4.8	3.7
16 to 24 years .....	187	96	5.4	3.1	64	31	9.5	5.1
25 to 54 years .....	638	369	2.1	1.2	167	146	4.6	4.1
55 years and over .....	222	150	2.5	1.7	82	56	3.8	2.6

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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
Total, 16 years and over .....	2,142	1,321	4.2	2.6	2,150	1,638	6.8	5.3
Married, spouse present .....	892	514	2.3	1.3	1,126	839	6.1	4.6
Widowed, divorced, or separated .....	186	103	6.5	3.8	347	254	6.0	4.4
Single (never married) .....	1,064	703	11.5	8.0	676	544	9.6	8.1
Total, 20 to 64 years of age .....	1,505	869	3.3	2.0	1,563	1,180	5.7	4.4
Married, spouse present .....	817	476	2.2	1.3	1,046	765	5.8	4.4
Widowed, divorced, or separated .....	176	90	6.9	3.8	306	228	5.9	4.5
Single (never married) .....	512	303	9.0	5.7	210	188	5.0	4.6
White, 16 years and over .....	1,758	1,072	3.8	2.4	1,771	1,328	6.4	5.0
Married, spouse present .....	768	443	2.2	1.3	980	726	5.9	4.5
Widowed, divorced, or separated .....	139	84	6.0	3.9	260	191	5.6	4.1
Single (never married) .....	851	546	10.6	7.1	530	411	8.5	6.9
White, 20 to 64 years of age .....	1,245	716	3.1	1.8	1,304	963	5.5	4.2
Married, spouse present .....	701	408	2.1	1.2	915	660	5.7	4.2
Widowed, divorced, or separated .....	133	72	6.6	3.9	227	166	5.6	4.1
Single (never married) .....	411	236	8.5	5.1	161	138	4.4	3.9
Negro and other races, 16 years and over .....	384	248	7.4	4.9	379	310	9.5	7.8
Married, spouse present .....	123	71	3.6	2.1	146	113	7.3	5.7
Widowed, divorced, or separated .....	48	20	8.3	3.4	87	64	7.5	5.6
Single (never married) .....	213	157	18.1	14.1	146	133	17.5	16.0
Negro and other races, 20 to 64 years of age .....	260	153	5.7	3.4	259	218	7.2	6.1
Married, spouse present .....	116	67	3.6	2.1	131	105	6.8	5.5
Widowed, divorced, or separated .....	44	17	8.5	3.2	78	62	7.2	5.8
Single (never married) .....	100	67	12.5	9.5	49	50	8.7	8.8

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
Total.....	4,292	2,958	5.2	3.7	4.2	2.6	6.9	5.3
White-collar workers.....	1,258	932	3.2	2.5	2.0	1.4	4.6	3.6
Professional and technical.....	279	196	2.5	1.8	2.0	1.2	3.2	2.8
Managers, officials, and proprietors.....	130	83	1.5	1.0	1.3	.9	3.0	1.4
Clerical workers.....	651	516	4.6	3.7	3.3	2.6	5.1	4.1
Sales workers.....	198	137	4.0	2.9	2.5	1.8	5.9	4.3
Blue-collar workers.....	1,804	1,064	6.1	3.6	5.3	2.9	9.7	6.4
Craftsmen and foremen.....	402	175	3.8	1.7	3.7	1.6	6.1	2.3
Carpenters and other construction craftsmen.....	188	70	6.2	2.3	6.0	2.3	(1)	--
All other.....	214	105	2.8	1.4	2.7	1.4	4.8	2.3
Operatives.....	1,007	646	6.8	4.2	5.3	3.0	9.9	6.6
Drivers and deliverymen.....	106	66	4.1	2.5	4.0	2.3	(1)	(1)
All other.....	901	580	7.4	4.6	5.8	3.3	10.0	6.6
Nonfarm laborers.....	395	243	9.6	6.1	9.5	6.0	11.6	10.5
Construction laborers.....	119	89	12.6	10.0	12.4	9.9	(1)	(1)
All other.....	276	154	8.8	5.0	8.6	4.8	10.6	10.0
Service workers.....	598	463	5.8	4.7	4.6	4.3	6.4	5.0
Private household.....	96	53	6.2	3.4	--	5.6	6.3	3.4
All other.....	502	410	5.7	5.0	4.6	4.3	6.5	5.5
Farmers and farm laborers.....	115	55	3.5	1.6	3.3	1.2	4.6	3.5
No previous work experience.....	516	445	--	--	--	--	--	--
16 to 19 years.....	391	333	--	--	--	--	--	--
20 to 24 years.....	72	69	--	--	--	--	--	--
25 years and over.....	54	41	--	--	--	--	--	--

<sup>1</sup> 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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
Total.....	100.0	100.0	5.2	3.7	4.2	2.6	6.8	5.3
Private wage and salary workers.....	77.0	71.5	5.5	3.6	4.6	2.7	6.9	5.1
Mining.....	.1	.3	.9	1.7	.7	1.4	(1)	(1)
Construction.....	8.4	6.2	9.0	4.7	8.9	4.6	10.0	7.1
Manufacturing.....	27.7	24.7	5.6	3.3	4.4	2.4	8.5	5.7
Durable goods.....	16.8	12.8	5.8	2.9	4.8	2.3	9.4	5.2
Primary metal industries.....	1.6	.9	5.1	2.1	5.0	1.4	5.3	9.9
Fabricated metal products.....	2.2	2.3	5.9	3.8	4.8	2.9	10.3	6.5
Machinery.....	3.0	1.9	5.7	2.4	5.0	2.2	9.1	3.2
Electrical equipment.....	3.1	2.4	6.3	3.4	3.4	2.8	10.7	4.1
Motor vehicles and equipment.....	1.1	.7	4.0	1.8	3.8	1.6	5.3	3.7
All other transportation equipment.....	1.7	1.8	6.1	4.3	5.4	2.9	11.2	13.1
Other durable goods industries.....	4.1	2.7	6.3	2.9	5.5	2.2	8.8	4.4
Nondurable goods.....	10.9	11.9	5.3	3.9	3.6	2.5	7.8	6.0
Food and kindred products.....	2.1	2.8	4.6	4.1	4.2	2.5	5.6	7.9
Textile mill products.....	1.8	1.6	7.6	4.2	4.5	3.4	11.0	4.9
Apparel and other finished textile products.....	2.5	2.8	7.6	5.9	5.1	6.4	8.3	5.7
Other nondurable goods industries.....	4.5	4.7	4.3	3.2	3.1	2.0	7.2	6.0
Transportation and public utilities.....	3.0	3.1	2.8	2.0	2.6	1.5	3.4	3.5
Railroads and railway express.....	.2	.1	1.0	.4	1.0	.4	--	--
Other transportation.....	2.0	1.7	4.4	2.5	4.4	2.0	4.9	5.7
Communication and other public utilities.....	.9	1.3	1.9	2.0	1.3	1.5	3.1	2.9
Wholesale and retail trade.....	17.6	18.2	5.6	4.2	4.4	3.0	7.2	5.8
Finance, insurance, and real estate.....	3.1	3.3	3.6	2.9	2.1	1.4	5.0	4.2
Service industries.....	17.1	15.7	5.9	4.0	5.4	3.0	6.3	4.5
Professional services.....	5.5	5.6	3.9	3.0	3.1	1.5	4.3	3.8
All other service industries.....	11.6	10.1	7.9	4.8	7.0	4.2	8.6	5.3
Agricultural wage and salary workers.....	2.6	2.3	8.4	5.3	7.9	3.9	11.8	12.2
All other classes of workers.....	8.3	11.2	1.7	1.6	1.1	1.3	2.7	2.2
No previous work experience.....	12.0	15.0	--	--	--	--	--	--

<sup>1</sup> 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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>Unemployment level</b>												
Total unemployed, in thousands . . . . .	4,292	2,958	1,562	914	1,598	1,202	1,131	842	3,529	2,400	762	558
Lost last job . . . . .	1,698	823	969	440	536	288	193	95	1,416	692	282	131
Left last job . . . . .	675	586	235	209	273	237	168	140	569	475	107	111
Reentered labor force . . . . .	1,404	1,105	313	235	711	596	380	274	1,145	889	260	216
Never worked before . . . . .	514	445	46	30	78	81	391	334	400	344	113	100
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 . . . . .	39.5	27.8	62.0	48.1	33.6	24.0	17.1	11.3	40.1	28.8	37.0	23.4
Left last job . . . . .	15.7	19.8	15.0	22.9	17.1	19.7	14.8	16.6	16.1	19.8	14.0	19.9
Reentered labor force . . . . .	32.7	37.4	20.1	25.7	44.5	49.6	33.6	32.5	32.4	37.0	34.1	38.7
Never worked before . . . . .	12.0	15.0	2.9	3.3	4.9	6.7	34.5	39.6	11.3	14.3	14.9	18.0
<b>Unemployment rate</b>												
Total unemployment rate . . . . .	5.2	3.7	3.3	2.0	5.6	4.3	16.4	12.7	4.8	3.3	8.3	6.2
Job-loser rate <sup>1</sup> . . . . .	2.1	1.0	2.0	1.0	1.9	1.1	2.8	1.4	2.0	1.0	3.1	1.4
Job-leaver rate <sup>1</sup> . . . . .	.8	.7	.5	.4	1.0	.9	2.4	2.1	.8	.7	1.2	1.2
Reentrant rate <sup>1</sup> . . . . .	1.7	1.4	.7	.5	2.5	2.2	5.5	4.1	1.6	1.2	2.8	2.4
New entrant rate <sup>1</sup> . . . . .	.6	.5	.1	.1	.3	.3	5.6	5.0	.5	.5	1.2	1.1

<sup>1</sup>Unemployment rates are calculated as a percent of the civilian labor force.

A-13: Unemployed persons by reason for unemployment, duration, sex, and age  
September 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 . . . . .	4,292	100.0	57.6	27.1	15.2	9.3	5.9
Lost last job . . . . .	1,698	100.0	46.4	32.1	21.5	12.7	8.8
Left last job . . . . .	675	100.0	63.7	24.6	11.7	7.3	4.4
Reentered labor force . . . . .	1,404	100.0	66.6	22.9	10.4	6.1	4.3
Never worked before . . . . .	514	100.0	62.2	25.3	12.4	9.7	2.7
Male, 20 years and over . . . . .	1,562	100.0	50.6	29.5	19.9	11.5	8.4
Lost last job . . . . .	969	100.0	45.7	32.0	22.3	12.9	9.4
Left last job . . . . .	235	100.0	59.1	25.5	15.4	9.4	6.0
Reentered labor force . . . . .	313	100.0	59.6	24.8	15.6	8.9	6.7
Never worked before . . . . .	46	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over . . . . .	1,598	100.0	57.7	26.8	15.4	8.6	6.8
Lost last job . . . . .	536	100.0	37.4	37.8	24.7	14.5	10.2
Left last job . . . . .	273	100.0	61.5	26.7	11.7	7.3	4.4
Reentered labor force . . . . .	711	100.0	70.6	19.3	10.1	4.9	5.2
Never worked before . . . . .	78	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years . . . . .	1,131	100.0	67.3	24.2	8.5	7.3	1.2
Lost last job . . . . .	193	100.0	74.6	16.6	8.8	6.7	2.1
Left last job . . . . .	168	100.0	72.8	20.1	7.1	4.1	3.0
Reentered labor force . . . . .	380	100.0	65.0	27.9	7.1	6.3	.8
Never worked before . . . . .	391	100.0	63.1	26.2	10.8	10.0	.8

<sup>1</sup>Percent 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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
Total.....	4,292	2,958	100.0	100.0	1,358	848	100.0	100.0
Less than 5 weeks.....	2,473	1,863	57.6	63.0	693	456	51.0	53.7
5 to 14 weeks.....	1,163	771	27.1	26.1	384	249	28.3	29.4
5 to 10 weeks.....	801	543	18.7	18.4	294	185	21.6	21.8
11 to 14 weeks.....	362	228	8.4	7.7	89	65	6.6	7.7
15 weeks and over.....	655	324	15.3	11.0	282	143	20.7	16.8
15 to 26 weeks.....	400	191	9.3	6.5	156	63	11.5	7.4
27 weeks and over.....	255	133	5.9	4.5	126	80	9.2	9.4
Average (mean) duration.....	8.3	7.4	--	--	10.2	10.2	--	--

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

September 1970

Sex, age, color, and marital status	Thousands of persons					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	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>Total</b> .....	4,292	2,473	1,163	400	255	57.6	63.0	15.3	11.0
16 to 21 years.....	1,561	1,014	420	104	24	64.9	68.6	8.2	5.2
16 to 19 years.....	1,131	761	274	82	14	67.2	70.1	8.5	4.8
20 to 24 years.....	998	604	283	77	34	60.6	65.5	11.1	7.9
25 to 44 years.....	1,259	695	337	133	93	55.2	63.4	18.0	12.2
45 years and over.....	904	413	270	108	114	45.7	49.8	24.5	20.9
<b>Male</b> .....	2,142	1,168	616	219	139	54.5	60.4	16.7	14.0
16 to 21 years.....	814	500	247	53	13	61.4	67.9	8.2	4.8
16 to 19 years.....	580	377	155	39	8	65.1	68.8	8.2	4.6
20 to 24 years.....	535	300	164	52	19	56.1	66.4	13.2	11.0
25 to 44 years.....	549	268	165	68	49	48.8	57.2	21.3	16.2
45 years and over.....	478	223	132	61	62	46.6	46.6	25.7	27.5
<b>Female</b> .....	2,150	1,305	548	181	115	60.7	65.1	13.8	8.5
16 to 21 years.....	748	514	172	50	11	68.8	69.2	8.2	5.5
16 to 19 years.....	552	383	119	43	6	69.5	71.3	8.9	4.9
20 to 24 years.....	463	304	119	25	14	65.7	64.8	8.6	5.4
25 to 44 years.....	709	427	172	66	44	60.2	67.2	15.5	9.4
45 years and over.....	427	190	138	47	51	44.6	52.9	23.1	14.9
<b>White: Total</b> .....	3,529	2,069	929	323	209	58.6	63.8	15.1	10.8
Male.....	1,758	985	484	177	113	56.0	61.3	16.5	14.7
Female.....	1,771	1,084	445	146	96	61.2	65.8	13.7	7.6
<b>Negro and other races: Total</b> .....	762	404	235	77	46	53.0	59.4	16.2	11.8
Male.....	384	183	132	42	26	47.8	56.4	17.9	11.0
Female.....	379	221	103	35	20	58.3	61.9	14.5	12.4
<b>Male: Married, wife present</b> .....	892	450	256	102	83	50.5	57.7	20.8	19.0
Widowed, divorced, or separated.....	186	96	48	27	16	51.4	55.1	23.0	18.0
Single (never married).....	1,064	622	312	90	40	58.5	63.1	12.2	9.8
<b>Female: Married, husband present</b> .....	1,126	695	275	84	72	61.7	68.0	13.9	10.0
Widowed, divorced, or separated.....	347	172	109	44	23	49.5	51.1	19.2	10.2
Single (never married).....	676	438	164	53	21	64.8	67.1	10.9	5.4



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

Occupation and industry	Thousands of persons					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	Sept.	Sept.	Sept.	Sept.
						1970	1969	1970	1969
<b>OCCUPATION</b>									
White-collar workers .....	1,258	727	324	114	93	57.8	63.3	16.4	10.9
Professional and managerial .....	409	217	118	36	37	53.1	61.3	17.8	12.2
Clerical workers .....	651	387	153	65	45	59.5	63.7	17.0	10.1
Sales workers .....	198	122	52	13	10	61.8	65.7	11.7	10.6
Blue-collar workers .....	1,804	982	530	167	124	54.5	62.7	16.1	12.8
Craftsmen and foremen .....	402	243	97	33	29	60.4	66.3	15.5	6.1
Operatives .....	1,007	515	323	96	72	51.2	61.3	16.8	14.8
Nonfarm laborers .....	395	224	111	38	22	56.8	64.0	15.1	12.4
Service workers .....	598	365	151	64	17	61.1	63.1	13.7	11.1
<b>INDUSTRY<sup>1</sup></b>									
Agriculture .....	113	77	26	5	5	67.6	(2)	9.0	(2)
Construction .....	370	229	86	37	18	61.9	65.3	14.8	8.0
Manufacturing .....	1,188	601	373	120	94	50.6	58.2	18.0	13.9
Durable goods .....	723	344	238	76	66	47.5	56.2	19.6	13.9
Nondurable goods .....	465	258	135	44	28	55.4	60.2	15.6	14.0
Transportation and public utilities .....	141	81	45	7	8	57.4	60.8	10.7	12.8
Wholesale and retail trade .....	761	452	203	65	41	59.4	63.6	13.9	10.0
Finance and service industries .....	1,037	617	252	104	64	59.5	66.8	16.2	10.4
Public administration .....	103	52	36	9	6	50.5	(2)	14.8	(2)
No previous work experience .....	516	322	130	50	14	62.3	61.5	12.4	7.0

<sup>1</sup>Includes wage and salary workers only.

<sup>2</sup>Percent not shown where base is less than 100,000.

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

Age and type of industry	Total		Male		Female	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>All industries .....</b>	<b>78,256</b>	<b>78,026</b>	<b>48,923</b>	<b>48,973</b>	<b>29,333</b>	<b>29,053</b>
16 to 19 years .....	5,782	5,811	3,161	3,267	2,621	2,544
16 and 17 years .....	2,372	2,394	1,352	1,437	1,020	957
18 and 19 years .....	3,409	3,416	1,809	1,830	1,601	1,587
20 to 24 years .....	9,771	9,325	5,324	5,069	4,447	4,256
25 to 54 years .....	48,639	48,667	31,427	31,434	17,213	17,233
25 to 34 years .....	16,287	15,968	11,063	10,797	5,224	5,171
35 to 44 years .....	15,831	16,109	10,182	10,400	5,649	5,709
45 to 54 years .....	16,521	16,591	10,182	10,238	6,339	6,353
55 to 64 years .....	10,948	10,989	6,920	6,995	4,029	3,994
55 to 59 years .....	6,559	6,599	4,098	4,118	2,461	2,481
60 to 64 years .....	4,389	4,390	2,822	2,878	1,567	1,512
65 years and over .....	3,115	3,233	2,091	2,208	1,023	1,026
<b>Nonagricultural industries .....</b>	<b>74,730</b>	<b>74,397</b>	<b>46,019</b>	<b>45,985</b>	<b>28,712</b>	<b>28,412</b>
16 to 19 years .....	5,408	5,449	2,834	2,941	2,573	2,508
16 and 17 years .....	2,159	2,167	1,165	1,233	994	934
18 and 19 years .....	3,249	3,282	1,669	1,709	1,580	1,574
20 to 24 years .....	9,518	9,108	5,111	4,881	4,407	4,226
25 to 54 years .....	46,907	46,813	30,057	30,008	16,849	16,805
25 to 34 years .....	15,803	15,459	10,681	10,409	5,123	5,049
35 to 44 years .....	15,253	15,468	9,732	9,916	5,521	5,551
45 to 54 years .....	15,851	15,887	9,645	9,683	6,206	6,204
55 to 64 years .....	10,269	10,284	6,352	6,385	3,917	3,898
55 to 59 years .....	6,216	6,242	3,821	3,820	2,396	2,422
60 to 64 years .....	4,052	4,042	2,531	2,566	1,522	1,476
65 years and over .....	2,629	2,743	1,664	1,768	965	975
<b>Agriculture .....</b>	<b>3,525</b>	<b>3,629</b>	<b>2,904</b>	<b>2,988</b>	<b>621</b>	<b>642</b>
16 to 19 years .....	374	362	326	325	48	37
16 and 17 years .....	214	228	187	204	27	24
18 and 19 years .....	160	134	139	121	21	13
20 to 24 years .....	254	218	213	187	41	30
25 to 54 years .....	1,732	1,854	1,370	1,426	362	428
25 to 34 years .....	483	509	382	387	101	122
35 to 44 years .....	578	642	450	484	128	158
45 to 54 years .....	671	704	537	555	133	149
55 to 64 years .....	680	705	568	610	112	95
55 to 59 years .....	343	357	277	298	66	59
60 to 64 years .....	337	348	291	312	46	36
65 years and over .....	486	491	427	439	59	51

HOUSEHOLD DATA

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	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>Total</b> .....	78,256	78,026	45,762	45,706	26,712	26,509	3,161	3,267	2,621	2,544
<b>White-collar workers</b> .....	37,539	36,648	19,367	18,959	16,186	15,671	549	550	1,436	1,470
Professional and technical.....	11,099	10,655	6,842	6,694	4,125	3,814	60	77	72	71
Medical and other health.....	1,765	1,661	678	712	1,063	933	--	1	24	16
Teachers, except college.....	2,492	2,317	809	739	1,681	1,574	--	--	2	6
Other professional and technical.....	6,843	6,677	5,355	5,243	1,381	1,307	60	76	47	49
Managers, officials, and proprietors.....	8,287	8,086	6,891	6,745	1,345	1,304	37	27	13	11
Salaried workers.....	6,011	5,791	5,039	4,877	922	882	38	23	11	9
Self-employed workers in retail trade.....	1,104	1,057	831	819	272	234	--	2	1	1
Self-employed workers, except retail trade.....	1,172	1,238	1,021	1,049	151	188	--	2	--	--
Clerical workers.....	13,360	13,288	3,090	3,054	8,990	8,843	229	265	1,051	1,126
Stenographers, typists, and secretaries.....	3,389	3,507	52	57	3,071	3,091	4	4	261	354
Other clerical workers.....	9,971	9,782	3,038	2,997	5,919	5,752	224	261	790	772
Sales workers.....	4,793	4,619	2,544	2,466	1,725	1,710	223	181	300	262
Retail trade.....	2,850	2,774	916	873	1,475	1,485	184	159	276	256
Other sales workers.....	1,942	1,845	1,628	1,593	251	225	39	22	24	5
<b>Blue-collar workers</b> .....	27,819	28,785	21,261	21,652	4,468	4,911	1,809	1,901	282	320
Craftsmen and foremen.....	10,291	10,335	9,658	9,691	329	378	286	252	18	14
Carpenters.....	849	904	826	887	2	--	22	16	--	1
Construction craftsmen, except carpenters.....	2,041	2,065	1,960	1,997	10	7	42	60	1	2
Mechanics and repairmen.....	2,776	2,659	2,613	2,526	22	31	133	101	7	3
Metal craftsmen, except mechanics.....	1,217	1,237	1,170	1,192	19	23	27	20	1	2
Other craftsmen and kindred workers.....	1,918	1,952	1,694	1,721	162	176	55	49	8	7
Foremen, not elsewhere classified.....	1,516	1,517	1,395	1,368	114	142	7	7	--	--
Operatives.....	13,810	14,735	8,755	9,194	4,029	4,414	786	849	240	278
Drivers and deliverymen.....	2,494	2,604	2,269	2,392	80	82	137	126	8	5
Other operatives.....	11,317	12,131	6,486	6,802	3,948	4,333	650	724	232	273
Durable goods manufacturing.....	4,619	5,048	3,110	3,331	1,281	1,401	177	229	50	87
Nondurable goods manufacturing.....	3,829	4,049	1,579	1,620	2,003	2,166	117	131	130	132
Other industries.....	2,869	3,034	1,797	1,851	664	766	356	364	52	54
Nonfarm laborers.....	3,718	3,715	2,848	2,767	110	119	737	800	23	28
Construction.....	824	801	724	665	6	1	93	133	--	2
Manufacturing.....	1,026	1,113	828	908	56	66	137	128	4	12
Other industries.....	1,868	1,800	1,295	1,194	48	53	506	539	19	14
<b>Service workers</b> .....	9,712	9,295	2,797	2,668	5,553	5,377	500	523	864	727
Private household workers.....	1,465	1,492	32	29	1,162	1,220	7	11	264	231
Service workers, except private household.....	8,247	7,803	2,764	2,639	4,390	4,157	492	512	600	496
Protective service workers.....	989	920	906	852	58	40	19	23	5	4
Waiters, cooks, and bartenders.....	2,270	2,117	444	402	1,383	1,303	123	138	319	275
Other service workers.....	4,989	4,766	1,414	1,386	2,949	2,814	350	350	275	217
<b>Farm workers</b> .....	3,185	3,299	2,338	2,426	505	550	303	295	40	28
Farmers and farm managers.....	1,753	1,881	1,652	1,798	86	68	15	15	--	--
Farm laborers and foremen.....	1,432	1,418	686	628	419	482	287	280	39	28
Paid workers.....	948	908	640	589	105	127	189	182	14	11
Unpaid family workers.....	484	510	46	39	315	355	98	98	25	17

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>Total</b>						
Total employed (thousands) .....	78,256	78,026	48,923	48,973	29,333	29,053
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	48.0	47.0	40.7	39.8	60.1	59.0
Professional and technical .....	14.2	13.7	14.1	13.8	14.3	13.4
Managers, officials, and proprietors .....	10.6	10.4	14.2	13.8	4.6	4.5
Clerical workers .....	17.1	17.0	6.8	6.8	34.2	34.3
Sales workers .....	6.1	5.9	5.7	5.4	6.9	6.8
<b>Blue-collar workers</b> .....	35.5	36.9	47.2	48.1	16.2	18.0
Craftsmen and foremen .....	13.2	13.2	20.3	20.3	1.2	1.3
Operatives .....	17.6	18.9	19.5	20.5	14.6	16.1
Nonfarm laborers .....	4.8	4.8	7.3	7.3	.5	.5
<b>Service workers</b> .....	12.4	11.9	6.7	6.5	21.9	21.0
Private household workers .....	1.9	1.9	.1	.1	4.9	5.0
Other service workers .....	10.5	10.0	6.7	6.4	17.0	16.0
<b>Farm workers</b> .....	4.1	4.2	5.4	5.6	1.9	2.0
Farmers and farm managers .....	2.2	2.4	3.4	3.7	.3	.2
Farm laborers and foremen .....	1.8	1.8	2.0	1.9	1.6	1.8
<b>White</b>						
Total employed (thousands) .....	69,875	69,586	44,150	44,181	25,725	25,406
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	50.4	49.6	42.7	42.0	63.6	62.8
Professional and technical .....	14.8	14.3	14.8	14.6	14.8	13.9
Managers, officials, and proprietors .....	11.4	11.3	15.2	14.9	5.0	5.0
Clerical workers .....	17.6	17.6	6.7	6.7	36.2	36.5
Sales workers .....	6.6	6.4	6.0	5.8	7.6	7.4
<b>Blue-collar workers</b> .....	34.7	36.0	45.9	46.6	15.6	17.5
Craftsmen and foremen .....	13.8	13.8	21.1	20.9	1.2	1.4
Operatives .....	16.8	18.1	18.5	19.5	13.9	15.6
Nonfarm laborers .....	4.2	4.1	6.3	6.2	.4	.5
<b>Service workers</b> .....	10.8	10.2	6.0	5.8	18.9	17.7
Private household workers .....	1.2	1.1	.1	.1	3.1	3.0
Other service workers .....	9.6	9.0	6.0	5.8	15.9	14.7
<b>Farm workers</b> .....	4.1	4.3	5.3	5.6	1.9	2.0
Farmers and farm managers .....	2.4	2.6	3.6	3.9	.3	.3
Farm laborers and foremen .....	1.7	1.7	1.8	1.6	1.6	1.7
<b>Negro and other races</b>						
Total employed (thousands) .....	8,380	8,440	4,773	4,792	3,608	3,648
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
<b>White-collar workers</b> .....	27.6	25.3	21.9	20.1	35.1	32.2
Professional and technical .....	9.1	8.0	8.0	6.7	10.5	9.8
Managers, officials, and proprietors .....	3.4	2.9	4.4	4.0	2.2	1.3
Clerical workers .....	12.9	12.4	7.2	7.6	20.3	18.8
Sales workers .....	2.2	2.0	2.2	1.8	2.2	2.2
<b>Blue-collar workers</b> .....	42.2	44.4	58.8	61.7	20.3	21.7
Craftsmen and foremen .....	8.0	8.8	13.5	14.7	.9	1.1
Operatives .....	24.5	25.3	28.7	29.5	19.0	19.8
Nonfarm laborers .....	9.7	10.3	16.7	17.4	.5	.8
<b>Service workers</b> .....	26.0	26.2	13.3	12.8	42.8	43.9
Private household workers .....	7.8	8.2	.3	.3	17.6	18.6
Other service workers .....	18.2	18.0	12.9	12.5	25.2	25.3
<b>Farm workers</b> .....	4.2	4.0	6.0	5.5	1.7	2.2
Farmers and farm managers .....	1.1	1.0	1.9	1.6	.1	.1
Farm laborers and foremen .....	3.0	3.1	4.1	3.9	1.6	2.0

**A-20: Employed persons by class of worker, sex, and age**  
 September 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					
<b>Total</b> .....	68,919	1,707	12,319	54,893	5,305	506	1,231	1,792	503
16 to 19 years.....	5,314	355	443	4,516	59	35	231	17	126
16 and 17 years.....	2,102	267	155	1,679	36	22	124	6	83
18 and 19 years.....	3,212	88	288	2,836	24	13	107	11	42
20 to 24 years.....	9,326	124	1,521	7,681	171	21	166	49	39
25 to 34 years.....	14,918	142	2,638	12,138	807	79	223	192	69
35 to 44 years.....	13,980	212	2,611	11,157	1,156	117	196	300	83
45 to 54 years.....	14,286	285	2,952	11,048	1,420	145	198	396	77
55 to 64 years.....	9,003	357	1,821	6,825	1,180	85	141	464	75
55 to 59 years.....	5,456	188	1,092	4,175	702	59	81	218	44
60 to 64 years.....	3,547	169	729	2,650	478	26	60	246	31
65 years and over.....	2,093	231	333	1,529	511	25	77	374	35
<b>Male</b> .....	41,997	220	6,762	35,014	3,969	53	1,060	1,698	146
16 to 19 years.....	2,777	86	203	2,488	32	26	213	15	98
16 and 17 years.....	1,125	79	79	967	22	17	118	5	64
18 and 19 years.....	1,652	7	124	1,521	9	8	95	10	34
20 to 24 years.....	4,988	13	619	4,357	111	12	140	48	25
25 to 34 years.....	10,103	8	1,556	8,539	575	3	186	189	8
35 to 44 years.....	8,830	18	1,510	7,303	900	2	162	287	2
45 to 54 years.....	8,567	12	1,656	6,900	1,075	2	160	377	--
55 to 64 years.....	5,465	41	1,005	4,419	884	3	129	437	3
55 to 59 years.....	3,306	20	609	2,677	513	1	73	203	1
60 to 64 years.....	2,159	21	396	1,742	371	1	56	234	1
65 years and over.....	1,266	44	213	1,009	393	5	70	346	11
<b>Female</b> .....	26,922	1,487	5,557	19,878	1,336	453	172	93	356
16 to 19 years.....	2,537	269	240	2,028	28	9	18	2	28
16 and 17 years.....	976	188	76	713	13	4	6	2	19
18 and 19 years.....	1,561	81	164	1,315	15	4	12	--	8
20 to 24 years.....	4,338	111	902	3,324	60	9	26	1	13
25 to 34 years.....	4,815	134	1,083	3,598	232	76	37	3	62
35 to 44 years.....	5,149	195	1,101	4,149	257	115	34	13	81
45 to 54 years.....	5,718	274	1,296	2,406	346	142	37	19	77
55 to 64 years.....	3,538	316	816	1,498	297	82	12	27	73
55 to 59 years.....	2,149	169	483	908	189	57	8	15	43
60 to 64 years.....	1,389	148	333	520	108	25	4	12	30
65 years and over.....	827	188	119	3,491	118	20	7	28	24

## 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					
	Sept. 1970	Sept. 1969	Total		Wage and salary workers <sup>1</sup>			
			Sept. 1970	Sept. 1969	Paid absence <sup>2</sup>		Unpaid absence <sup>2</sup>	
					Sept. 1970	Sept. 1969	Sept. 1970	Sept. 1969
<b>Total</b> .....	4,695	3,802	4,576	3,728	2,376	2,032	1,741	1,373
Vacation .....	2,709	2,026	2,673	2,010	1,915	1,558	586	323
Illness .....	1,114	1,125	1,079	1,096	367	381	599	614
Bad weather .....	29	16	16	7	--	--	--	--
Industrial dispute .....	101	74	101	74	--	--	--	--
All other reasons .....	743	561	708	541	93	93	556	436
<b>Male</b> .....	2,710	2,316	2,598	2,247	1,516	1,357	827	712
Vacation .....	1,573	1,294	1,543	1,280	1,223	1,047	242	157
Illness .....	687	677	652	650	241	245	343	351
All other reasons .....	450	345	403	317	51	65	242	204
<b>Female</b> .....	1,985	1,487	1,978	1,482	858	675	914	660
Vacation .....	1,135	732	1,129	731	691	511	343	166
Illness .....	427	448	426	446	126	135	256	262
All other reasons .....	423	307	423	305	42	28	315	232

<sup>1</sup>Excludes private household.<sup>2</sup>Pay 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  
September 1970

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work .....	73,560	70,154	3,406	100.0	100.0	100.0
1-34 hours .....	41,336	40,209	1,127	56.2	57.3	33.1
1-4 hours .....	713	656	57	1.0	.9	1.7
5-14 hours .....	3,435	3,192	243	4.7	4.6	7.1
15-29 hours .....	10,382	9,842	540	14.1	14.0	15.8
30-34 hours .....	26,806	26,519	287	36.4	37.8	8.4
35 hours and over .....	32,224	29,944	2,280	43.8	42.7	66.9
35-39 hours .....	4,446	4,300	146	6.0	6.1	4.3
40 hours .....	13,104	12,772	331	17.8	18.2	9.7
41 hours and over .....	14,674	12,872	1,803	19.9	18.3	52.9
41 to 48 hours .....	5,175	4,901	274	7.0	7.0	8.0
49 to 59 hours .....	4,692	4,223	469	6.4	6.0	13.8
60 hours and over .....	4,807	3,748	1,060	6.5	5.3	31.1
Average hours, total at work .....	35.7	35.1	45.8	--	--	--
Average hours, workers on full-time schedules .....	38.9	38.2	55.3	--	--	--

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

September 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.....	41,336	31,033	10,303	40,209	30,656	9,554
Economic reasons.....	2,276	1,193	1,083	2,044	1,071	973
Slack work.....	1,103	771	332	951	660	291
Material shortages or repairs to plant and equipment.....	38	38	--	37	37	--
New job started during week.....	270	270	--	259	259	--
Job terminated during week.....	114	114	--	114	114	--
Could find only part-time work.....	752	--	752	684	--	684
Other reasons.....	39,060	29,840	9,220	38,164	29,583	8,581
Does not want, or unavailable for, full-time work.....	7,067	--	7,067	6,623	--	6,623
Vacation.....	653	653	--	641	641	--
Illness.....	867	607	260	768	580	188
Bad weather.....	162	162	--	106	106	--
Industrial dispute.....	56	56	--	56	56	--
Legal or religious holiday.....	27,609	--	--	27,492	27,492	--
Full time for this job.....	1,285	--	1,285	1,241	--	1,241
All other reasons.....	1,360	752	608	1,238	710	528
Average hours:						
Economic reasons.....	20.3	21.8	18.7	20.4	21.8	18.8
Other reasons.....	27.3	30.3	17.5	27.4	30.3	17.4
Worked 30 to 34 hours:						
Economic reasons.....	476	304	172	417	260	157
Other reasons.....	26,330	25,195	1,135	26,102	25,042	1,060

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

September 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 <sup>1/</sup> .....	100.0	3.2	13.1	63.7	65.3	7.0	11.4	35.1	38.2
Wage and salary workers.....	100.0	2.9	11.8	85.3	69.2	6.8	9.3	34.5	37.3
Construction.....	100.0	4.9	3.8	91.3	77.3	6.4	7.6	34.6	36.0
Manufacturing.....	100.0	2.8	2.8	94.4	80.1	7.1	7.2	35.3	36.2
Durable goods.....	100.0	1.8	2.2	96.0	82.4	6.8	6.8	35.4	36.0
Nondurable goods.....	100.0	4.2	3.8	92.0	76.9	7.4	7.7	35.2	36.5
Transportation and public utilities.....	100.0	1.9	5.6	92.5	74.0	6.7	11.8	36.9	38.3
Wholesale and retail trade.....	100.0	3.2	22.7	74.1	53.2	9.0	11.9	34.1	39.4
Finance, insurance, and real estate.....	100.0	1.2	9.4	89.5	75.7	5.0	8.8	33.7	35.5
Service industries.....	100.0	3.4	20.3	76.2	61.0	5.8	9.4	33.0	38.1
Private households.....	100.0	12.8	52.4	34.8	24.5	3.6	6.7	23.7	41.9
All other service.....	100.0	2.4	16.9	80.7	64.9	6.1	9.7	34.0	37.9
Public administration.....	100.0	.9	4.9	94.3	79.6	4.5	10.2	35.5	36.7
Self-employed workers.....	100.0	3.6	14.6	81.9	35.1	10.0	36.8	43.0	48.9
Unpaid family workers.....	100.0	1.8	39.6	58.7	32.3	3.6	22.8	36.4	46.5

<sup>1/</sup>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**

September 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)								
<b>TOTAL</b>								
Total, 16 years and over.....	70,154	2,044	8,581	59,529	46,657	12,872	35.1	38.2
16 to 21 years.....	8,555	488	2,792	5,275	4,543	732	28.5	36.2
16 to 19 years.....	5,249	333	2,353	2,563	2,197	366	25.6	36.1
16 and 17 years.....	2,104	86	1,613	405	338	67	18.4	35.7
18 and 19 years.....	3,145	247	740	2,158	1,860	298	30.5	36.1
20 years and over.....	64,905	1,711	6,228	56,966	44,460	12,506	35.9	38.3
20 to 24 years.....	9,016	320	916	7,780	6,525	1,255	34.1	36.6
25 years and over.....	55,889	1,390	5,312	49,187	37,935	11,252	36.2	38.5
25 to 44 years.....	29,269	683	2,248	26,338	26,119	6,219	36.6	38.6
45 to 64 years.....	24,207	613	2,100	21,494	16,863	4,631	36.2	38.3
65 years and over.....	2,413	94	964	1,355	953	402	30.1	40.9
<b>Males, 16 years and over.....</b>	<b>43,421</b>	<b>1,021</b>	<b>2,736</b>	<b>39,664</b>	<b>29,049</b>	<b>10,615</b>	<b>37.7</b>	<b>39.6</b>
16 to 21 years.....	4,354	250	1,384	2,720	2,185	535	29.7	37.7
16 to 19 years.....	2,765	179	1,203	1,383	1,115	268	26.7	37.3
16 and 17 years.....	1,140	48	868	224	170	54	19.0	37.2
18 and 19 years.....	1,625	132	335	1,158	944	214	32.1	37.4
20 years and over.....	40,656	842	1,533	38,281	27,936	10,345	38.5	39.6
20 to 24 years.....	4,873	168	384	4,321	3,314	1,007	36.0	38.3
25 years and over.....	35,783	675	1,149	33,959	24,621	9,338	38.7	39.8
25 to 44 years.....	19,371	350	255	18,766	13,360	5,406	39.4	40.1
45 to 64 years.....	14,873	271	336	14,266	10,610	3,656	38.7	39.4
65 years and over.....	1,539	54	558	927	651	276	31.0	40.8
<b>Females, 16 years and over.....</b>	<b>26,733</b>	<b>1,023</b>	<b>5,844</b>	<b>19,866</b>	<b>17,608</b>	<b>2,258</b>	<b>30.9</b>	<b>35.4</b>
16 to 21 years.....	4,200	238	1,408	2,554	2,358	196	27.2	34.6
16 to 19 years.....	2,485	154	1,150	1,181	1,084	97	24.5	34.6
16 and 17 years.....	964	38	745	181	168	13	17.6	34.0
18 and 19 years.....	1,521	116	404	1,001	917	84	28.8	34.7
20 years and over.....	24,249	869	4,695	18,685	16,523	2,162	31.6	35.5
20 to 24 years.....	4,143	152	531	3,460	3,213	247	31.8	34.5
25 years and over.....	20,106	715	4,164	15,227	13,314	1,913	31.6	35.7
25 to 44 years.....	9,898	333	1,994	7,571	6,758	813	31.2	35.0
45 to 64 years.....	9,334	342	1,764	7,228	6,252	976	32.3	36.1
65 years and over.....	874	40	406	428	304	124	28.4	41.2
<b>COLOR</b>								
<b>White.....</b>	<b>62,722</b>	<b>1,632</b>	<b>7,812</b>	<b>53,278</b>	<b>41,259</b>	<b>12,019</b>	<b>35.2</b>	<b>38.3</b>
Male.....	39,231	824	2,509	35,898	25,938	9,960	37.9	39.7
Female.....	23,490	809	5,303	17,378	15,319	2,059	30.8	35.4
<b>Negro and other races.....</b>	<b>7,433</b>	<b>411</b>	<b>769</b>	<b>6,253</b>	<b>5,399</b>	<b>854</b>	<b>34.1</b>	<b>37.0</b>
Male.....	4,190	198	228	3,764	3,109	655	36.0	37.9
Female.....	3,243	214	541	2,488	2,289	199	31.7	35.5
<b>MARITAL STATUS</b>								
<b>Male:</b>								
Married, wife present.....	34,012	564	1,028	32,420	23,337	9,083	38.9	39.8
Widowed, divorced, or separated.....	2,320	90	150	2,080	1,617	463	36.9	38.9
Single (never married).....	7,089	367	1,558	5,164	4,095	1,069	32.2	38.1
<b>Female:</b>								
Married, husband present.....	15,743	548	3,617	11,578	10,317	1,261	30.8	35.2
Widowed, divorced, or separated.....	5,043	240	787	4,016	3,404	612	33.1	36.7
Single (never married).....	5,948	236	1,440	4,272	3,887	385	29.3	34.7

A-25: Persons at work in nonagricultural industries by full- or part-time status, sex, age, color, and marital status--Continued  
September 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)						
<b>TOTAL</b>						
Total, 16 years and over.....	100.0	2.9	12.2	84.9	66.5	18.3
16 to 21 years.....	100.0	5.7	32.6	61.7	53.1	8.6
16 to 19 years.....	100.0	6.3	44.8	48.8	41.9	7.0
16 and 17 years.....	100.0	4.1	76.7	19.2	16.1	3.2
18 and 19 years.....	100.0	7.9	23.5	68.6	59.1	9.5
20 years and over.....	100.0	2.6	9.6	87.8	68.5	19.3
20 to 24 years.....	100.0	3.5	10.2	86.3	72.4	13.9
25 years and over.....	100.0	2.5	9.5	88.0	67.9	20.1
25 to 44 years.....	100.0	2.3	7.7	90.0	68.7	21.2
45 to 64 years.....	100.0	2.5	8.7	88.8	69.7	19.1
65 years and over.....	100.0	3.9	40.0	56.2	39.5	16.7
<b>Males, 16 years and over.....</b>	<b>100.0</b>	<b>2.4</b>	<b>6.3</b>	<b>91.3</b>	<b>66.9</b>	<b>24.4</b>
16 to 21 years.....	100.0	5.7	31.8	62.5	50.2	12.3
16 and 19 years.....	100.0	6.5	43.5	50.0	40.3	9.7
16 and 17 years.....	100.0	4.2	76.1	19.6	14.9	4.7
18 and 19 years.....	100.0	8.1	20.6	71.3	58.1	13.2
20 years and over.....	100.0	2.1	3.8	94.2	68.7	25.4
20 to 24 years.....	100.0	3.4	7.9	88.7	68.0	20.7
25 years and over.....	100.0	1.9	3.2	94.9	68.8	26.1
25 to 44 years.....	100.0	1.8	1.3	96.9	69.0	27.9
45 to 64 years.....	100.0	1.8	2.3	95.9	71.3	24.6
65 years and over.....	100.0	3.5	36.3	60.2	42.3	17.9
<b>Females, 16 years and over.....</b>	<b>100.0</b>	<b>3.8</b>	<b>21.9</b>	<b>74.3</b>	<b>65.9</b>	<b>8.4</b>
16 to 21 years.....	100.0	5.7	33.5	60.8	56.1	4.7
16 to 19 years.....	100.0	6.2	46.3	47.5	43.6	3.9
16 and 17 years.....	100.0	3.9	77.3	18.8	17.4	1.3
18 and 19 years.....	100.0	7.6	26.6	65.8	60.3	5.5
20 years and over.....	100.0	3.6	19.4	77.1	68.1	8.9
20 to 24 years.....	100.0	3.7	12.8	83.5	77.6	6.0
25 years and over.....	100.0	3.6	20.7	75.7	66.2	9.5
25 to 44 years.....	100.0	3.4	20.1	76.5	68.3	8.2
45 to 64 years.....	100.0	3.7	18.9	77.4	67.0	10.5
65 years and over.....	100.0	4.6	46.5	49.0	34.8	14.2
<b>COLOR</b>						
<b>White.....</b>	<b>100.0</b>	<b>2.6</b>	<b>12.5</b>	<b>84.9</b>	<b>65.8</b>	<b>19.2</b>
Male.....	100.0	2.1	6.4	91.5	66.1	25.4
Female.....	100.0	3.4	22.6	74.0	65.2	8.8
<b>Negro and other races.....</b>	<b>100.0</b>	<b>5.5</b>	<b>10.3</b>	<b>84.1</b>	<b>72.6</b>	<b>11.5</b>
Male.....	100.0	4.7	5.4	89.8	74.2	15.6
Female.....	100.0	6.6	16.7	76.7	70.6	6.1
<b>MARITAL STATUS</b>						
<b>Male:</b>						
Married, wife present.....	100.0	1.7	3.0	95.3	68.6	26.7
Widowed, divorced, or separated.....	100.0	3.9	6.5	89.7	69.7	20.0
Single (never married).....	100.0	5.2	22.0	72.8	57.8	15.1
<b>Female:</b>						
Married, husband present.....	100.0	3.5	23.0	73.5	65.5	8.0
Widowed, divorced, or separated.....	100.0	4.8	15.6	79.6	67.5	12.1
Single (never married).....	100.0	4.0	24.2	71.8	65.3	6.5



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

September 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)									
<b>TOTAL</b>									
White-collar workers.....	35,164	460	4,319	30,385	23,256	2,234	4,895	35.7	38.4
Professional and technical.....	10,247	115	955	9,177	7,115	633	1,429	35.8	38.0
Managers, officials, and proprietors.....	7,883	59	339	7,485	4,193	840	2,452	43.2	44.4
Clerical workers.....	12,505	183	1,906	10,416	9,594	426	396	31.6	34.2
Sales workers.....	4,528	104	1,119	3,305	2,353	335	617	33.6	39.5
Blue-collar workers.....	26,162	1,080	1,606	23,476	19,106	2,029	2,341	35.4	37.3
Craftsmen and foremen.....	9,633	247	325	9,061	7,221	861	979	36.5	37.6
Operatives.....	13,012	600	720	11,692	9,592	948	1,152	35.5	37.2
Nonfarm laborers.....	3,517	233	560	2,724	2,294	220	210	32.1	36.8
Service workers.....	9,152	519	2,699	5,934	4,432	677	825	32.4	40.5
Private household.....	1,400	176	723	501	362	46	93	24.3	41.3
Other service workers.....	7,752	343	1,976	5,433	4,071	630	732	33.9	40.5
<b>MALE</b>									
White-collar workers.....	18,839	162	1,013	17,664	11,914	1,627	4,123	39.6	41.0
Professional and technical.....	6,461	58	321	6,082	4,469	446	1,167	38.0	39.2
Managers, officials, and proprietors.....	6,609	44	184	6,381	3,468	725	2,188	44.0	44.9
Clerical workers.....	3,121	30	244	2,847	2,429	178	240	34.8	36.5
Sales workers.....	2,649	30	263	2,356	1,552	277	527	38.2	40.6
Blue-collar workers.....	21,717	747	1,221	19,749	15,611	1,877	2,261	36.2	38.0
Craftsmen and foremen.....	9,324	240	283	8,801	6,995	838	968	36.6	37.6
Operatives.....	9,005	281	407	8,317	6,410	819	1,088	37.2	38.7
Nonfarm laborers.....	3,388	227	531	2,630	2,206	219	205	32.2	36.8
Service workers.....	3,117	126	517	2,474	1,635	317	522	37.3	42.4
Private household.....	39	2	17	20	11	2	7	31.8	48.2
Other service workers.....	3,077	124	499	2,454	1,624	315	515	37.4	42.4
<b>FEMALE</b>									
White-collar workers.....	16,325	298	3,306	12,721	11,342	607	772	31.1	34.9
Professional and technical.....	3,786	56	634	3,096	2,648	186	262	32.1	35.6
Managers, officials, and proprietors.....	1,275	15	155	1,105	726	115	264	39.0	42.0
Clerical workers.....	9,385	153	1,662	7,570	7,166	248	156	30.5	33.3
Sales workers.....	1,880	74	856	950	801	58	91	27.2	36.7
Blue-collar workers.....	4,445	332	385	3,728	3,496	152	80	31.5	33.8
Craftsmen and foremen.....	309	7	42	260	227	22	11	32.9	35.5
Operatives.....	4,007	319	314	3,374	3,181	129	64	31.5	33.6
Nonfarm laborers.....	129	6	30	93	87	1	5	28.7	35.0
Service workers.....	6,035	394	2,182	3,459	2,795	360	304	29.9	39.2
Private household.....	1,360	174	705	481	351	44	86	24.1	41.1
Other service workers.....	4,675	219	1,477	2,979	2,445	316	218	31.6	38.9

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

September 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)							
<b>TOTAL</b>							
White-collar workers .....	100.0	1.3	12.3	86.4	66.1	6.4	13.9
Professional and technical .....	100.0	1.1	9.3	89.5	69.4	6.2	13.9
Managers, officials, and proprietors .....	100.0	.7	4.3	95.0	53.2	10.7	31.1
Clerical workers .....	100.0	1.5	15.2	83.3	76.7	3.4	3.2
Sales workers .....	100.0	2.3	24.7	73.0	52.0	7.4	13.6
Blue-collar workers .....	100.0	4.1	6.1	89.7	73.0	7.8	8.9
Craftsmen and foremen .....	100.0	2.6	3.4	94.1	75.0	8.9	10.2
Operatives .....	100.0	4.6	5.5	89.9	73.7	7.3	8.9
Nonfarm laborers .....	100.0	6.6	15.9	77.5	65.2	6.3	6.0
Service workers .....	100.0	5.7	29.5	64.8	48.4	7.4	9.0
Private household .....	100.0	12.6	51.6	35.8	25.9	3.3	6.6
Other service workers .....	100.0	4.4	25.5	70.0	52.5	8.1	9.4
<b>MALE</b>							
White-collar workers .....	100.0	.9	5.4	93.7	63.2	8.6	21.9
Professional and technical .....	100.0	.9	5.0	94.2	69.2	6.9	18.1
Managers, officials, and proprietors .....	100.0	.7	2.8	96.6	52.5	11.0	33.1
Clerical workers .....	100.0	1.0	7.8	91.2	77.8	5.7	7.7
Sales workers .....	100.0	1.1	9.9	89.0	58.6	10.5	19.9
Blue-collar workers .....	100.0	3.4	5.6	90.9	71.9	8.6	10.4
Craftsmen and foremen .....	100.0	2.6	3.0	94.4	75.0	9.0	10.4
Operatives .....	100.0	3.1	4.5	92.4	71.2	9.1	12.1
Nonfam laborers .....	100.0	6.7	15.7	77.7	65.1	6.5	6.1
Service workers .....	100.0	4.0	16.6	79.4	52.5	10.2	16.7
Private household .....	100.0	5.1	43.6	51.2	28.2	5.1	17.9
Other service workers .....	100.0	4.0	16.2	79.7	52.8	10.2	16.7
<b>FEMALE</b>							
White-collar workers .....	100.0	1.8	20.3	77.9	69.5	3.7	4.7
Professional and technical .....	100.0	1.5	16.7	81.7	69.9	4.9	6.9
Managers, officials, and proprietors .....	100.0	1.2	12.2	86.6	56.9	9.0	20.7
Clerical workers .....	100.0	1.6	17.7	80.7	76.4	2.6	1.7
Sales workers .....	100.0	3.9	45.5	50.5	42.6	3.1	4.8
Blue-collar workers .....	100.0	7.5	8.7	83.9	78.7	3.4	1.8
Craftsmen and foremen .....	100.0	2.3	13.6	84.2	73.5	7.1	3.6
Operatives .....	100.0	8.0	7.8	84.2	79.4	3.2	1.6
Nonfam laborers .....	100.0	4.7	23.3	72.1	67.4	.8	3.9
Service workers .....	100.0	6.5	36.2	57.3	46.3	6.0	5.0
Private household .....	100.0	12.8	51.8	35.3	25.8	3.2	6.3
Other service workers .....	100.0	4.7	31.6	63.8	52.3	6.8	4.7

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

September 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.....	8,009	4,060	3,949	6,874	3,496	3,378	1,135	564	571
Civilian labor force.....	1,270	782	487	1,162	707	455	108	76	33
Employed.....	1,145	695	450	1,064	637	427	81	58	23
Agriculture.....	170	145	25	155	134	21	15	11	4
Nonagricultural industries.....	975	550	425	909	503	405	66	47	19
Unemployed.....	125	87	38	98	70	28	27	18	10
Not in labor force.....	6,740	3,278	3,462	5,713	2,789	2,923	1,027	489	538
Keeping house.....	69	13	56	56	10	46	12	3	10
Going to school.....	5,950	2,907	3,042	5,079	2,493	2,586	871	415	456
Unable to work.....	10	6	4	8	5	3	2	1	1
All other reasons.....	712	352	359	570	281	288	142	71	71

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

September 1970

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
<b>CLASS OF WORKER</b>						
Total.....	1,145	695	450	100.0	100.0	100.0
Nonagricultural industries.....	975	550	425	85.2	79.3	94.4
Wage and salary workers.....	892	478	413	77.9	68.9	92.0
Private household workers.....	418	125	292	36.5	18.0	65.0
Government workers.....	28	19	9	2.4	2.7	2.0
Other wage and salary workers.....	446	334	112	39.0	48.1	24.9
Self-employed workers.....	73	64	9	6.4	9.2	2.0
Unpaid family workers.....	10	8	2	.9	1.2	.4
Agriculture.....	170	145	25	14.8	20.7	5.6
Wage and salary workers.....	84	73	11	7.3	10.5	2.4
Self-employed workers.....	10	9	--	.9	1.3	--
Unpaid family workers.....	76	62	14	6.6	8.9	3.1
<b>OCCUPATION</b>						
Total.....	1,145	695	450	100.0	100.0	100.0
White-collar workers.....	224	170	53	19.5	24.5	11.8
Professional and technical.....	8	4	4	.7	.6	.9
Managers, officials, and proprietors.....	3	2	1	.3	.3	.2
Clerical workers.....	33	11	23	2.9	1.6	5.1
Sales workers.....	179	153	26	15.7	22.0	5.8
Blue-collar workers.....	284	264	20	24.8	38.0	4.4
Craftsmen and foremen.....	9	9	--	.8	1.3	--
Operatives.....	59	49	11	5.2	7.1	2.4
Nonfarm laborers.....	215	206	9	18.8	29.6	2.0
Service workers.....	481	129	352	42.0	18.6	78.2
Private household workers.....	297	11	286	26.0	1.6	63.6
Other service workers.....	183	118	66	16.0	17.0	14.7
Farm workers.....	157	132	24	13.7	19.0	5.3
Farmers and farm managers.....	3	3	--	.3	.4	--
Farm laborers and foremen.....	154	129	24	13.4	18.6	5.3

**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			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>Total</b>													
Total labor force . . . . .	86,140	85,810	85,967	85,304	85,783	86,143	86,087	85,590	85,599	85,023	84,872	85,051	84,868
Civilian labor force . . . . .	83,031	82,676	82,813	82,125	82,555	82,872	82,769	82,249	82,213	81,583	81,379	81,523	81,325
Employed . . . . .	78,424	78,445	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528	78,445	78,194
Agriculture . . . . .	3,399	3,420	3,519	3,554	3,613	3,586	3,550	3,499	3,426	3,435	3,434	3,446	3,498
Nonagricultural industries . . . . .	75,025	75,025	75,119	74,671	74,836	75,338	75,562	75,323	75,615	75,302	75,094	74,999	74,696
On part time for economic reasons . . . . .	2,110	2,298	2,326	2,105	2,249	2,360	1,936	1,821	1,915	1,858	1,830	1,945	1,933
Usually work full time . . . . .	1,029	1,329	1,240	1,126	1,253	1,400	1,093	1,064	1,036	1,066	1,005	1,017	1,046
Usually work part time . . . . .	1,081	969	1,086	979	996	960	843	777	879	812	825	928	887
Unemployed . . . . .	4,607	4,231	4,175	3,900	4,106	3,948	3,657	3,427	3,172	2,846	2,851	3,078	3,131
<b>Men, 20 years and over</b>													
Total labor force . . . . .	50,136	49,905	50,024	49,906	50,020	50,032	49,920	49,707	49,736	49,534	49,544	49,642	49,642
Civilian labor force . . . . .	47,439	47,178	47,294	47,154	47,226	47,199	47,060	46,836	46,826	46,578	46,531	46,599	46,586
Employed . . . . .	45,522	45,424	45,524	45,521	45,593	45,667	45,709	45,534	45,674	45,553	45,533	45,511	45,465
Agriculture . . . . .	2,510	2,523	2,593	2,603	2,625	2,602	2,537	2,479	2,473	2,499	2,482	2,575	2,593
Nonagricultural industries . . . . .	43,012	42,901	42,931	42,918	42,968	43,065	43,172	43,055	43,201	43,054	43,051	42,936	42,872
Unemployed . . . . .	1,917	1,754	1,770	1,633	1,633	1,532	1,351	1,302	1,152	1,025	998	1,088	1,121
<b>Women, 20 years and over</b>													
Civilian labor force . . . . .	28,200	28,447	28,500	28,026	27,885	28,274	28,295	28,066	28,073	27,875	27,671	27,767	27,634
Employed . . . . .	26,750	27,092	27,073	26,772	26,476	27,022	27,016	26,925	27,060	26,897	26,663	26,699	26,543
Agriculture . . . . .	507	514	545	573	567	571	583	630	586	585	555	554	535
Nonagricultural industries . . . . .	26,243	26,578	26,528	26,199	25,909	26,451	26,433	26,295	26,474	26,312	26,108	26,145	26,008
Unemployed . . . . .	1,450	1,355	1,427	1,254	1,409	1,252	1,279	1,141	1,013	978	1,008	1,068	1,091
<b>Both sexes, 16-19 years</b>													
Civilian labor force . . . . .	7,392	7,051	7,019	6,945	7,444	7,399	7,414	7,347	7,314	7,130	7,177	7,157	7,105
Employed . . . . .	6,152	5,929	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332	6,235	6,186
Agriculture . . . . .	382	383	381	378	421	413	430	390	367	351	397	317	370
Nonagricultural industries . . . . .	5,770	5,546	5,660	5,554	5,959	5,822	5,957	5,973	5,940	5,936	5,935	5,918	5,816
Unemployed . . . . .	1,240	1,122	978	1,013	1,064	1,164	1,027	984	1,007	843	845	922	919

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 noninstitutional labor force by sex and age, seasonally adjusted**

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1970									1969			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>Full time</b>													
Total, 16 years and over:													
Civilian labor force . . . . .	71,445	71,086	71,132	70,653	71,116	70,810	70,557	70,407	70,623	70,269	70,184	70,190	70,308
Employed . . . . .	67,900	67,778	67,855	67,585	67,742	67,720	67,707	67,781	68,235	68,017	68,039	68,010	67,993
Unemployed . . . . .	3,545	3,308	3,277	3,068	3,374	3,090	2,850	2,626	2,388	2,252	2,145	2,180	2,315
Unemployment rate . . . . .	5.0	4.7	4.6	4.3	4.7	4.4	4.0	3.7	3.4	3.2	3.1	3.1	3.3
Men, 20 years and over:													
Civilian labor force . . . . .	45,120	44,896	45,042	44,966	45,061	44,898	44,715	44,536	44,604	44,486	44,420	44,447	44,482
Employed . . . . .	43,403	43,339	43,403	43,476	43,554	43,487	43,460	43,348	43,561	43,506	43,515	43,539	43,524
Unemployed . . . . .	1,717	1,557	1,639	1,490	1,507	1,411	1,255	1,188	1,043	980	905	908	958
Unemployment rate . . . . .	3.8	3.5	3.6	3.3	3.3	3.1	2.8	2.7	2.3	2.2	2.0	2.0	2.2
Women, 20 years and over:													
Civilian labor force . . . . .	22,233	22,439	22,295	22,050	21,937	22,054	21,982	21,965	22,146	21,813	21,852	21,862	21,878
Employed . . . . .	21,102	21,309	21,211	21,046	20,736	21,042	20,982	21,087	21,332	21,089	21,096	21,059	21,036
Unemployed . . . . .	1,131	1,130	1,084	1,004	1,201	1,012	1,000	878	814	724	756	803	842
Unemployment rate . . . . .	5.1	5.0	4.9	4.6	5.5	4.6	4.5	4.0	3.7	3.3	3.5	3.7	3.8
<b>Part time</b>													
Total, 16 years and over:													
Civilian labor force . . . . .	11,641	11,944	11,640	11,455	11,425	11,949	11,958	11,634	11,803	11,360	11,261	11,314	11,072
Employed . . . . .	10,638	10,984	10,775	10,685	10,689	11,064	11,109	10,828	10,946	10,677	10,580	10,539	10,301
Unemployed . . . . .	1,003	960	865	770	736	885	849	806	857	683	681	775	771
Unemployment rate . . . . .	8.6	8.0	7.4	6.7	6.4	7.4	7.1	6.9	7.3	6.0	6.0	6.9	7.0

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		
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>White</b>													
Total:													
Civilian labor force .....	73,788	73,332	73,454	72,770	73,358	73,662	73,621	73,169	73,159	72,589	72,392	72,447	72,261
Employed .....	70,023	69,838	70,008	69,681	69,998	70,499	70,617	70,406	70,558	70,266	70,093	69,930	69,733
Unemployed .....	3,765	3,494	3,446	3,089	3,360	3,163	3,004	2,763	2,601	2,323	2,299	2,517	2,528
Unemployment rate .....	5.1	4.8	4.7	4.2	4.6	4.3	4.1	3.8	3.6	3.2	3.2	3.5	3.5
Males, 20 years and over:													
Civilian labor force .....	42,640	42,407	42,462	42,411	42,480	42,498	42,407	42,194	42,133	41,953	41,959	41,956	41,965
Employed .....	41,061	40,923	40,974	41,039	41,123	41,232	41,260	41,115	41,165	41,122	41,130	41,022	41,044
Unemployed .....	1,579	1,484	1,488	1,372	1,357	1,266	1,147	1,079	968	831	829	934	921
Unemployment rate .....	3.7	3.5	3.5	3.2	3.2	3.0	2.7	2.6	2.3	2.0	2.0	2.2	2.2
Females, 20 years and over:													
Civilian labor force .....	24,516	24,700	24,775	24,275	24,259	24,601	24,599	24,437	24,504	24,243	24,053	24,174	23,979
Employed .....	23,346	23,583	23,584	23,278	23,139	23,623	23,576	23,520	23,665	23,429	23,245	23,308	23,116
Unemployed .....	1,170	1,117	1,191	997	1,120	978	1,023	917	839	814	808	866	863
Unemployment rate .....	4.8	4.5	4.8	4.1	4.6	4.0	4.2	3.8	3.4	3.4	3.4	3.6	3.6
Both sexes, 16 to 19 years:													
Civilian labor force .....	6,632	6,225	6,217	6,084	6,619	6,563	6,615	6,538	6,522	6,393	6,380	6,317	6,317
Employed .....	5,616	5,332	5,450	5,364	5,736	5,644	5,771	5,728	5,715	5,715	5,718	5,600	5,573
Unemployed .....	1,016	893	767	720	883	919	834	767	794	678	662	717	744
Unemployment rate .....	15.3	14.3	12.3	11.8	13.3	14.0	12.6	11.7	12.2	10.6	10.4	11.4	11.8
<b>Negro and other races</b>													
Total:													
Civilian labor force .....	9,124	9,263	9,243	9,231	9,235	9,213	9,253	9,160	9,259	9,115	9,042	9,011	8,962
Employed .....	8,302	8,488	8,480	8,427	8,500	8,414	8,598	8,520	8,675	8,598	8,484	8,419	8,366
Unemployed .....	822	775	763	804	735	799	655	640	584	517	558	592	596
Unemployment rate .....	9.0	8.4	8.3	8.7	8.0	8.7	7.1	7.0	6.3	5.7	6.2	6.6	6.7
Males, 20 years and over:													
Civilian labor force .....	4,765	4,776	4,790	4,734	4,729	4,656	4,693	4,675	4,731	4,657	4,602	4,607	4,599
Employed .....	4,447	4,507	4,499	4,448	4,455	4,399	4,484	4,461	4,550	4,480	4,430	4,424	4,409
Unemployed .....	318	269	291	286	274	257	209	214	181	177	172	183	190
Unemployment rate .....	6.7	5.6	6.1	6.0	5.8	5.5	4.5	4.6	3.8	3.8	3.7	4.0	4.1
Females, 20 years and over:													
Civilian labor force .....	3,614	3,689	3,655	3,682	3,669	3,713	3,715	3,656	3,676	3,664	3,608	3,576	3,595
Employed .....	3,346	3,419	3,412	3,425	3,403	3,421	3,466	3,440	3,497	3,502	3,412	3,373	3,372
Unemployed .....	268	270	243	257	266	292	249	216	179	162	196	203	223
Unemployment rate .....	7.4	7.3	6.6	7.0	7.2	7.9	6.7	5.9	4.9	4.4	5.4	5.7	6.2
Both sexes, 16 to 19 years:													
Civilian labor force .....	745	798	798	815	837	844	845	829	852	794	832	828	768
Employed .....	509	562	569	554	642	594	648	619	628	616	642	622	585
Unemployed .....	236	236	229	261	195	250	197	210	224	178	190	206	183
Unemployment rate .....	31.7	29.6	28.7	32.0	23.3	29.6	23.3	25.3	26.3	22.4	22.8	24.9	23.8

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

(In thousands)

Duration of unemployment	1970										1969		
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
Less than 5 weeks .....	2,331	2,206	2,061	1,961	2,219	2,295	1,995	1,973	1,756	1,515	1,558	1,882	1,756
5 to 14 weeks .....	1,501	1,320	1,334	1,303	1,214	1,075	1,154	1,016	914	893	912	882	995
15 weeks and over .....	792	736	711	685	612	569	545	465	409	392	389	363	392
15 to 26 weeks .....	501	479	470	450	352	372	363	306	276	272	249	233	240
27 weeks and over .....	291	257	241	235	260	197	182	159	133	120	140	130	152
Average (mean) duration .....	8.9	8.8	9.3	9.5	9.0	8.2	8.4	8.1	7.8	8.1	8.0	7.3	7.9

# HOUSEHOLD DATA SEASONALLY ADJUSTED

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**A-33: Major unemployment indicators, seasonally adjusted**

(Unemployment rates)

Selected categories	1970									1969			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
Total (all civilian workers) . . . . .	5.5	5.1	5.0	4.7	5.0	4.8	4.4	4.2	3.9	3.5	3.5	3.8	3.8
Men, 20 years and over . . . . .	4.0	3.7	3.7	3.5	3.5	3.2	2.9	2.8	2.5	2.2	2.1	2.3	2.4
Women, 20 years and over . . . . .	5.1	4.8	5.0	4.5	5.1	4.4	4.5	4.1	3.6	3.5	3.6	3.8	3.9
Both sexes, 16-19 years . . . . .	16.8	15.9	13.9	14.6	14.3	15.7	13.9	13.4	13.8	11.8	11.8	12.9	12.9
White . . . . .	5.1	4.8	4.7	4.2	4.6	4.3	4.1	3.8	3.6	3.2	3.2	3.5	3.5
Negro and other races . . . . .	9.0	8.4	8.3	8.7	8.0	8.7	7.1	7.0	6.3	5.7	6.2	6.6	6.7
Married men . . . . .	2.9	2.8	2.7	2.5	2.6	2.4	2.2	2.0	1.8	1.7	1.5	1.6	1.7
Full-time workers . . . . .	5.0	4.7	4.6	4.3	4.7	4.4	4.0	3.7	3.4	3.2	3.1	3.1	3.3
Part-time workers . . . . .	8.6	8.0	7.4	6.7	6.4	7.4	7.1	6.9	7.3	6.0	6.0	6.9	7.0
Unemployed 15 weeks and over <sup>1</sup> . . . . .	1.0	.9	.9	.9	.7	.7	.7	.6	.5	.5	.5	.4	.5
State insured <sup>2</sup> . . . . .	4.2	3.7	3.5	3.7	3.6	3.1	2.7	2.7	2.5	2.2	2.3	2.4	2.5
Labor force time lost <sup>3</sup> . . . . .	6.0	5.5	5.4	4.9	5.4	5.1	4.8	4.5	4.2	3.9	4.0	4.3	4.3
<b>Occupation</b>													
White-collar workers . . . . .	2.8	2.7	3.1	2.6	2.8	2.9	2.7	2.3	2.1	2.1	2.1	2.4	2.2
Professional and technical . . . . .	1.9	1.9	2.2	1.5	2.1	2.1	2.3	1.7	1.5	1.8	1.2	1.6	1.4
Managers, officials, and proprietors . . . . .	1.5	1.3	1.7	1.5	1.1	1.2	1.2	1.0	.9	1.0	.9	.9	1.0
Clerical workers . . . . .	3.9	3.9	4.4	4.0	3.9	4.0	3.6	3.2	3.1	2.8	3.5	3.4	3.2
Sales workers . . . . .	3.9	4.0	4.0	3.4	4.4	4.1	3.5	3.4	2.8	2.6	2.2	3.5	2.8
Blue-collar workers . . . . .	7.5	7.0	6.6	6.3	6.2	5.7	5.2	5.0	4.6	4.3	4.2	4.2	4.4
Craftsmen and foremen . . . . .	5.8	4.4	4.4	4.0	4.2	3.5	3.1	2.5	2.3	2.3	2.1	2.4	2.6
Operatives . . . . .	7.6	7.9	7.2	6.8	6.7	6.3	6.2	6.0	5.1	5.0	4.9	4.9	4.7
Nonfarm laborers . . . . .	11.7	10.2	9.9	10.4	9.1	8.8	7.4	7.7	8.5	7.4	6.9	6.5	7.6
Service workers . . . . .	5.8	5.5	5.3	5.0	4.9	5.0	4.9	4.8	4.5	3.6	4.0	4.2	4.8
Farm workers . . . . .	4.1	2.8	2.7	2.0	3.5	2.1	2.3	1.9	2.1	2.1	1.4	1.8	1.9
<b>Industry</b>													
Private wage and salary workers <sup>4</sup> . . . . .	6.0	5.5	5.6	5.2	5.2	4.8	4.6	4.3	3.9	3.6	3.6	3.8	3.9
Construction . . . . .	13.8	12.2	11.0	10.9	11.9	8.1	8.1	7.9	7.1	6.0	5.4	7.3	7.4
Manufacturing . . . . .	6.1	5.7	6.0	5.3	5.2	4.7	4.7	4.6	3.8	3.8	3.7	3.6	3.7
Durable goods . . . . .	6.3	5.5	5.9	5.1	4.9	4.9	4.8	4.7	3.8	3.7	3.6	3.2	3.2
Nondurable goods . . . . .	5.8	5.9	6.2	5.6	5.7	4.5	4.6	4.4	3.8	3.9	3.9	4.2	4.3
Transportation and public utilities . . . . .	2.8	3.1	3.3	3.3	3.3	3.9	3.1	2.4	2.9	2.4	2.4	2.9	2.0
Wholesale and retail trade . . . . .	6.0	5.4	5.3	5.4	5.1	5.5	4.7	4.7	4.3	3.9	3.9	4.2	4.5
Finance and service industries . . . . .	5.0	4.4	4.8	4.1	4.2	3.9	4.0	3.2	3.1	2.7	3.2	3.1	3.4
Government wage and salary workers . . . . .	1.9	2.1	2.0	1.9	2.2	2.2	2.1	2.0	2.2	2.0	2.1	2.4	1.9
Agricultural wage and salary workers . . . . .	10.2	8.2	8.6	5.5	9.3	5.9	6.4	5.8	6.2	6.5	5.2	6.3	6.5

<sup>1</sup>Unemployment rate calculated as a percent of civilian labor force.

<sup>2</sup>Insured unemployment under State programs as a percent of average covered employment.

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

<sup>4</sup>Includes mining, not shown separately.

## HOUSEHOLD DATA SEASONALLY ADJUSTED

### A-34: Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1970									1969			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>Total, 16 years and over</b> .....	5.5	5.1	5.0	4.7	5.0	4.8	4.4	4.2	3.9	3.5	3.5	3.8	3.8
16 to 19 years .....	16.8	15.9	13.9	14.6	14.3	15.7	13.9	13.4	13.8	11.8	11.8	12.9	12.9
16 and 17 years .....	19.6	17.4	15.2	16.0	15.6	18.7	15.7	16.3	17.2	13.7	14.3	16.5	16.1
18 and 19 years .....	14.6	14.7	13.2	13.3	13.8	13.8	12.4	11.7	11.6	10.2	9.2	10.4	10.6
20 to 24 years .....	9.8	8.3	8.6	7.4	8.1	7.7	6.8	7.3	6.1	5.8	5.8	6.4	6.5
25 years and over .....	3.5	3.4	3.5	3.2	3.3	3.1	3.0	2.6	2.4	2.2	2.2	2.4	2.4
25 to 54 years .....	3.6	3.6	3.7	3.3	3.4	3.2	3.1	2.7	2.5	2.3	2.1	2.4	2.5
55 years and over .....	3.1	2.7	2.9	3.0	3.3	2.8	2.7	2.4	2.0	2.1	1.9	2.3	2.2
<b>Males, 16 years and over</b> .....	5.0	4.6	4.5	4.3	4.4	4.2	3.6	3.6	3.3	2.9	2.9	3.1	3.2
16 to 19 years .....	16.7	15.8	14.1	14.8	15.0	15.2	12.5	13.0	12.6	11.0	11.7	11.8	12.0
16 and 17 years .....	19.6	17.2	15.2	16.6	16.4	17.2	14.6	15.4	14.9	13.1	13.7	14.4	15.0
18 and 19 years .....	14.1	14.6	13.6	13.2	14.6	13.9	10.8	11.0	10.8	9.3	8.9	9.6	9.4
20 to 24 years .....	11.0	8.5	9.1	7.2	7.7	7.9	6.4	6.9	6.1	5.5	5.3	6.3	6.4
25 years and over .....	3.0	3.0	3.0	2.9	2.9	2.6	2.4	2.2	2.0	1.8	1.7	1.9	1.8
25 to 54 years .....	2.9	3.0	3.0	2.9	2.8	2.6	2.3	2.1	2.0	1.7	1.4	1.8	1.8
55 years and over .....	3.1	2.9	2.8	2.8	3.1	2.8	2.8	2.4	2.1	2.2	1.9	2.2	2.0
<b>Females, 16 years and over</b> .....	6.4	5.9	5.9	5.5	5.9	5.7	5.7	5.1	4.8	4.5	4.5	4.9	5.0
16 to 19 years .....	16.9	16.0	13.7	14.3	13.4	16.4	15.6	13.9	15.2	12.8	11.9	14.2	14.2
16 and 17 years .....	19.6	17.6	15.1	15.3	14.6	20.6	17.0	17.3	20.3	14.7	15.0	19.2	17.7
18 and 19 years .....	15.1	14.9	12.7	13.4	12.9	13.7	14.3	12.7	12.4	11.2	9.6	11.3	12.0
20 to 24 years .....	8.4	8.0	8.1	7.7	8.7	7.5	7.2	7.6	6.2	6.1	6.5	6.5	6.6
25 years and over .....	4.4	4.1	4.5	3.8	4.2	3.8	4.0	3.3	3.0	3.0	3.1	3.4	3.4
25 to 54 years .....	4.8	4.6	4.8	4.1	4.3	4.2	4.4	3.6	3.3	3.3	3.4	3.6	3.7
55 years and over .....	3.2	2.5	3.1	3.2	3.6	2.7	2.5	2.3	1.7	1.9	2.0	2.5	2.5

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

(Numbers in thousands)

Reason for unemployment	1970									1969			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>Number of unemployed</b>													
Lost last job .....	2,048	1,946	1,833	1,928	1,912	1,613	1,503	1,390	1,202	1,170	1,033	1,010	993
Left last job .....	556	570	600	569	550	573	466	473	460	455	426	411	483
Reentered labor force .....	1,371	1,296	1,284	1,036	1,168	1,207	1,225	1,089	1,106	916	999	1,079	1,079
Never worked before .....	572	495	439	468	464	550	479	477	509	358	358	462	495
<b>Percent distribution</b>													
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 .....	45.0	45.2	44.1	48.2	46.7	40.9	40.9	40.5	36.7	40.4	36.7	34.1	32.6
Left last job .....	12.2	13.2	14.4	14.2	13.4	14.5	12.7	13.8	14.0	15.7	15.1	13.9	15.8
Reentered labor force .....	30.2	30.1	30.9	25.9	28.5	30.6	33.4	31.8	33.8	31.6	35.5	36.4	35.4
Never worked before .....	12.6	11.5	10.6	11.7	11.3	13.9	13.0	13.9	15.5	12.3	12.7	15.6	16.2
<b>Unemployed as a percent of the civilian labor force</b>													
Lost last job .....	2.5	2.3	2.1	2.3	2.3	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.2
Left last job .....	.7	.7	.8	.7	.7	.7	.6	.6	.6	.6	.5	.5	.6
Reentered labor force .....	1.7	1.5	1.6	1.3	1.4	1.5	1.5	1.3	1.3	1.1	1.2	1.3	1.3
Never worked before .....	.7	.6	.9	.6	.6	.7	.6	.6	.6	.5	.4	.6	.6

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1970									1969			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>Total</b>													
16 years and over .....	78,424	78,445	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528	78,445	78,194
16 to 19 years .....	6,152	5,929	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332	6,235	6,186
16 and 17 years .....	2,588	2,519	2,532	2,484	2,686	2,656	2,774	2,760	2,713	2,667	2,707	2,625	2,614
18 and 19 years .....	3,558	3,380	3,467	3,440	3,672	3,590	3,654	3,634	3,647	3,660	3,654	3,598	3,565
20 to 24 years .....	9,878	9,803	9,745	9,588	9,593	9,583	9,593	9,538	9,644	9,441	9,506	9,457	9,428
25 years and over .....	62,411	62,694	62,787	62,626	62,557	63,078	63,134	62,970	63,132	62,998	62,709	62,770	62,589
25 to 54 years .....	48,406	48,621	48,658	48,607	48,558	48,909	48,846	48,821	49,043	48,945	48,619	48,600	48,435
55 years and over .....	13,950	14,041	14,045	13,965	13,980	14,188	14,326	14,203	14,223	14,117	14,075	14,096	14,108
<b>Male</b>													
16 years and over .....	48,899	48,662	48,855	48,778	49,081	49,099	49,313	49,058	49,204	49,055	49,067	48,949	48,956
16 to 19 years .....	3,377	3,238	3,331	3,257	3,488	3,432	3,604	3,524	3,530	3,502	3,534	3,438	3,491
16 and 17 years .....	1,492	1,446	1,489	1,445	1,519	1,529	1,601	1,558	1,580	1,550	1,600	1,536	1,586
18 and 19 years .....	1,892	1,772	1,812	1,809	1,954	1,896	2,027	1,984	1,974	1,987	1,954	1,905	1,914
20 to 24 years .....	5,326	5,260	5,215	5,188	5,213	5,154	5,146	5,102	5,117	5,093	5,088	5,068	5,071
25 years and over .....	40,207	40,180	40,260	40,288	40,395	40,501	40,567	40,468	40,571	40,500	40,418	40,421	40,403
25 to 54 years .....	31,280	31,206	31,278	31,280	31,328	31,369	31,402	31,352	31,409	31,469	31,353	31,324	31,288
55 years and over .....	8,908	8,952	8,965	8,972	9,073	9,131	9,181	9,148	9,209	9,067	9,076	9,076	9,098
<b>Female</b>													
16 years and over .....	29,525	29,783	29,783	29,447	29,368	29,825	29,799	29,764	29,837	29,682	29,461	29,496	29,238
16 to 19 years .....	2,775	2,691	2,710	2,675	2,892	2,803	2,783	2,839	2,777	2,785	2,798	2,797	2,695
16 and 17 years .....	1,096	1,073	1,043	1,039	1,167	1,127	1,173	1,202	1,133	1,117	1,107	1,089	1,028
18 and 19 years .....	1,666	1,608	1,655	1,631	1,718	1,694	1,627	1,650	1,673	1,673	1,700	1,693	1,651
20 to 24 years .....	4,552	4,543	4,530	4,400	4,380	4,429	4,447	4,436	4,527	4,348	4,418	4,389	4,357
25 years and over .....	22,204	22,514	22,527	22,338	22,162	22,577	22,576	22,502	22,561	22,498	22,291	22,349	22,186
25 to 54 years .....	17,126	17,415	17,380	17,327	17,230	17,540	17,444	17,469	17,634	17,476	17,266	17,276	17,147
55 years and over .....	5,042	5,089	5,080	4,993	4,907	5,057	5,145	5,055	5,014	5,050	4,999	5,020	5,010

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

(In thousands)

Occupation group	1970									1969			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>White-collar workers</b> .....	37,945	37,852	38,019	38,049	37,889	38,006	37,936	37,927	37,950	37,641	37,483	37,406	37,047
Professional and technical .....	11,211	11,280	11,281	11,198	11,023	11,166	11,016	10,966	11,097	11,007	10,887	10,915	10,763
Managers, officials, and proprietors .....	8,221	8,224	8,300	8,285	8,378	8,206	8,268	8,186	8,190	8,164	8,222	8,037	8,022
Clerical workers .....	13,647	13,450	13,582	13,696	13,700	13,848	13,884	13,965	13,869	13,699	13,530	13,737	13,573
Sales workers .....	4,866	4,898	4,856	4,870	4,788	4,786	4,768	4,810	4,794	4,771	4,844	4,717	4,689
<b>Blue-collar workers</b> .....	27,559	27,685	27,677	27,441	27,621	27,927	28,192	28,274	28,241	28,323	28,432	28,412	28,520
Craftsmen and foremen .....	10,119	10,042	10,074	10,079	10,036	10,211	10,375	10,268	10,148	10,323	10,258	10,215	10,162
Operatives .....	13,755	13,851	13,867	13,790	13,863	14,021	14,018	14,204	14,281	14,268	14,433	14,535	14,676
Nonfarm laborers .....	3,685	3,792	3,736	3,572	3,722	3,695	3,799	3,802	3,812	3,732	3,741	3,662	3,682
<b>Service workers</b> .....	9,956	9,781	9,648	9,544	9,589	9,634	9,729	9,562	9,728	9,688	9,558	9,520	9,531
Farmers and farm laborers .....	3,087	3,057	3,180	3,226	3,266	3,210	3,214	3,160	3,084	3,037	3,087	3,143	3,199





**ESTABLISHMENT DATA  
EMPLOYMENT**

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

SIC CODE	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969
-	<b>TOTAL</b> .....	70,760	70,534	70,602	70,964	70,758	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	58,310	58,507	58,485	58,916	59,059	48,202	48,337	48,297	48,844	48,953
-	<b>MINING</b> .....	621	637	635	630	638	471	484	483	483	489
10	<b>METAL MINING</b> .....	-	98.2	98.5	92.1	92.7	-	79.2	79.2	74.5	75.0
101	Iron ores .....	-	27.8	27.7	26.5	26.9	-	22.8	22.6	21.7	22.0
102	Copper ores .....	-	38.5	38.4	34.8	34.7	-	30.4	30.3	27.8	27.7
11,12	<b>COAL MINING</b> .....	-	146.6	143.4	136.9	136.6	-	126.7	124.1	118.8	118.4
12	Bituminous coal and lignite mining .....	-	140.9	137.9	131.2	131.0	-	121.7	119.1	113.8	113.4
13	<b>OIL AND GAS EXTRACTION</b> .....	-	269.3	270.9	281.8	286.4	-	177.2	178.8	190.4	194.6
131,2	Crude petroleum and natural gas fields ...	-	145.6	145.1	144.9	148.3	-	75.3	75.3	75.0	77.6
138	Oil and gas field services .....	-	123.7	125.8	136.9	138.1	-	101.9	103.5	115.4	117.0
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b>	-	122.5	121.9	119.6	121.8	-	101.2	100.8	98.9	100.7
142	Crushed and broken stone .....	-	43.8	43.6	42.1	42.6	-	37.0	36.7	35.7	36.3
144	Sand and gravel .....	-	40.7	40.4	38.7	39.5	-	-	-	-	-
-	<b>CONTRACT CONSTRUCTION</b> .....	3,468	3,601	3,572	3,687	3,731	2,915	3,037	3,006	3,145	3,180
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	1,037.4	1,040.6	1,107.4	1,137.9	-	874.0	876.4	948.0	974.4
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	862.8	856.7	828.7	828.1	-	747.1	741.1	722.0	722.6
161	Highway and street construction .....	-	409.4	407.3	398.8	401.5	-	368.7	365.8	359.1	361.6
162	Heavy construction, n e c .....	-	453.4	449.4	429.9	426.6	-	378.4	375.3	362.9	361.0
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,700.5	1,675.1	1,751.2	1,765.0	-	1,415.7	1,388.8	1,474.6	1,483.2
171	Plumbing, heating, air conditioning .....	-	404.4	395.2	409.8	410.4	-	325.2	316.1	331.4	331.3
172	Painting, paper hanging, decorating .....	-	141.9	141.2	142.2	150.0	-	125.3	124.8	127.1	134.5
173	Electrical work .....	-	292.4	290.4	291.6	293.2	-	234.2	232.2	236.9	237.3
174	Masonry, stonework, and plastering .....	-	219.1	217.1	243.2	247.5	-	197.5	195.5	221.8	225.1
176	Roofing and sheet metal work .....	-	122.9	119.9	126.5	127.3	-	102.3	99.0	105.7	106.2
-	<b>MANUFACTURING</b> .....	19,508	19,454	19,325	20,482	20,497	14,210	14,110	13,958	15,041	15,014
19,24,25,32-39	<b>DURABLE GOODS</b> .....	11,203	11,104	11,156	12,030	11,992	8,093	7,966	7,993	8,767	8,701
20-23,26-31	<b>NONDURABLE GOODS</b> .....	8,305	8,350	8,169	8,452	8,505	6,117	6,144	5,965	6,274	6,313
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	232.5	238.2	242.6	305.8	313.9	125.7	128.0	130.2	174.5	179.4
192	Ammunition, except for small arms .....	(*)	168.1	170.4	222.5	228.6	(*)	85.2	86.1	122.0	125.9
1925	Complete guided missiles .....	-	98.0	99.3	119.0	122.0	-	30.2	30.4	38.1	39.2
1929	Ammunition, exc. for small arms, nec ...	-	70.1	71.1	103.5	106.6	-	55.0	55.7	83.9	86.7
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	582.3	589.5	589.0	616.7	629.3	502.0	508.8	508.3	535.9	547.6
241	Logging camps & logging contractors .....	74.4	78.7	80.9	86.7	90.0	-	-	-	-	-
242	Sawmills and planing mills .....	(*)	218.0	217.9	230.8	235.5	(*)	198.7	198.4	210.2	214.4
2421	Sawmills and planing mills, general .....	-	185.5	185.4	193.9	198.2	-	169.4	169.2	177.0	180.8
243	Millwork, plywood & related products .....	169.0	170.9	168.2	171.0	174.7	140.5	142.4	139.7	143.2	146.8
2431	Millwork .....	-	76.0	73.7	74.2	75.6	-	61.5	59.1	60.3	61.6
2432	Veneer and plywood .....	-	72.7	72.0	73.9	75.5	-	64.9	64.4	66.5	68.2
244	Wooden containers .....	31.7	32.1	34.5	36.4	36.8	27.9	28.5	30.8	32.6	33.1
2441,2	Wooden boxes, shooks, and crates .....	-	26.2	28.2	29.2	29.9	-	23.3	25.3	26.1	26.9
249	Miscellaneous wood products .....	89.4	89.8	87.5	91.8	92.3	74.0	74.6	72.5	77.5	77.9

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 <sup>1</sup>				
		Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969
<i>Durable Goods--Continued</i>											
25	<b>FURNITURE AND FIXTURES.....</b>	454.9	456.1	446.2	486.8	488.4	375.3	375.8	365.6	404.3	406.7
251	Household furniture.....	316.6	317.9	307.8	339.8	341.5	268.5	269.0	258.7	290.0	292.1
2511	Wood household furniture.....	—	158.2	152.6	174.3	176.6	—	138.9	133.4	154.4	156.9
2512	Upholstered household furniture.....	—	85.9	82.6	90.0	90.0	—	71.5	68.0	75.4	75.4
2515	Mattresses and bedsprings.....	—	38.0	37.3	39.8	39.9	—	29.5	28.9	31.2	31.5
252	Office furniture.....	—	36.5	36.1	40.3	40.0	—	28.2	28.0	31.6	31.7
254	Partitions and fixtures.....	—	52.0	52.4	52.1	52.4	—	40.5	40.7	40.4	40.7
253,9	Other furniture and fixtures.....	50.8	49.7	49.9	54.6	54.5	38.9	38.1	38.2	42.3	42.2
32	<b>STONE, CLAY, AND GLASS PRODUCTS...</b>	648.3	647.6	643.8	669.0	674.0	518.6	516.8	513.4	538.0	541.8
321	Flat glass.....	—	22.9	22.8	26.9	26.4	—	16.7	16.5	20.4	19.6
322	Glass and glassware, pressed or blown...	(*)	134.0	132.3	132.1	131.8	(*)	116.7	115.3	116.3	116.3
3221	Glass containers.....	—	78.8	78.5	73.7	74.4	—	70.4	70.3	66.3	67.2
3229	Pressed and blown glass, n e c.....	—	55.2	53.8	58.4	57.4	—	46.3	45.0	50.0	49.1
324	Cement, hydraulic.....	34.4	35.1	35.4	35.1	35.4	26.8	27.5	27.6	26.9	27.1
325	Structural clay products.....	58.1	59.1	59.1	63.4	65.3	47.5	48.1	48.2	52.3	53.9
3251	Brick and structural clay tile.....	—	26.2	26.3	28.2	29.4	—	22.7	22.8	24.8	25.7
326	Pottery and related products.....	—	42.9	41.1	45.7	45.2	—	35.8	33.9	38.7	38.2
327	Concrete, gypsum, and plaster products...	186.9	190.6	189.4	195.0	197.9	146.4	149.8	147.9	153.8	156.4
328,9	Other stone and nonmetallic mineral products	134.1	134.7	136.7	141.8	143.5	100.4	100.4	102.8	106.4	107.7
3291	Abrasive products.....	—	26.0	26.5	27.5	27.9	—	18.0	18.2	18.9	19.4
33	<b>PRIMARY METAL INDUSTRIES.....</b>	1,306.9	1,307.4	1,316.6	1,373.9	1,375.5	1,036.6	1,036.0	1,044.2	1,098.7	1,096.5
331	Blast furnace and basic steel products...	(*)	640.7	642.9	653.2	662.0	(*)	511.5	513.2	521.7	528.7
3312	Blast furnaces and steel mills.....	—	560.9	562.9	570.7	578.6	—	449.7	451.2	458.0	464.4
332	Iron and steel foundries.....	(*)	217.1	223.3	237.5	229.2	(*)	179.2	184.8	200.0	191.5
3321	Gray iron foundries.....	—	132.1	137.3	149.3	141.9	—	110.3	115.3	127.9	120.5
3322	Malleable iron foundries.....	—	22.1	21.6	24.0	23.9	—	18.4	17.9	20.1	20.0
3323	Steel foundries.....	—	62.9	64.4	64.2	63.4	—	50.5	51.6	52.0	51.0
333,4	Nonferrous metals.....	85.9	88.2	88.8	86.8	88.3	66.1	68.3	68.7	67.1	68.0
3334	Primary aluminum.....	—	31.7	31.7	30.5	31.0	—	25.8	25.8	24.9	25.1
335	Nonferrous rolling and drawing.....	212.3	209.6	208.5	225.4	225.1	157.8	155.3	154.8	170.4	169.3
3351	Copper rolling and drawing.....	—	42.9	42.3	47.4	47.5	—	31.5	31.2	35.7	35.5
3352	Aluminum rolling and drawing.....	—	67.6	67.7	73.7	74.4	—	49.0	49.3	54.6	55.2
3357	Nonferrous wire drawing and insulating..	—	77.0	76.5	80.5	79.3	—	59.4	58.9	63.2	61.7
336	Nonferrous foundries.....	83.5	82.5	82.8	94.0	94.1	68.3	67.5	67.6	78.2	78.1
3361	Aluminum castings.....	—	43.2	43.5	48.6	48.5	—	36.0	36.2	41.0	41.2
3362,9	Other nonferrous castings.....	—	39.3	39.3	45.4	45.6	—	31.5	31.4	37.2	36.9
339	Miscellaneous primary metal products....	70.0	69.3	70.3	77.0	76.8	54.7	54.2	55.1	61.3	60.9
3391	Iron and steel forgings.....	—	46.1	46.9	50.8	50.5	—	36.5	37.2	40.7	40.4
34	<b>FABRICATED METAL PRODUCTS.....</b>	1,399.2	1,384.3	1,370.0	1,459.6	1,449.2	1,070.0	1,055.0	1,039.1	1,123.5	1,111.4
341	Metal cans.....	(*)	71.7	72.1	71.9	73.0	(*)	60.9	61.3	60.6	61.7
342	Cutlery, hand tools, and hardware.....	157.2	150.8	147.5	166.4	165.0	121.6	115.7	111.5	130.2	128.6
3421,3,5	Cutlery and hand tools, incl. saws.....	—	63.5	64.2	66.8	67.0	—	48.7	48.7	51.5	51.6
3429	Hardware, n e c.....	—	87.3	83.3	99.6	98.0	—	67.0	62.8	78.7	77.0
343	Plumbing and heating, except electric....	79.1	79.9	80.5	86.9	87.3	57.5	57.8	58.6	64.7	64.8
3431,2	Sanitary ware & plumbers' brass goods...	—	33.5	35.2	38.8	39.1	—	25.8	27.5	30.9	31.0
3433	Heating equipment, except electric.....	—	46.4	45.3	48.1	48.2	—	32.0	31.1	33.8	33.8
344	Fabricated structural metal products.....	427.2	430.3	426.0	438.8	438.6	308.2	311.1	306.1	317.1	315.6
3441	Fabricated structural steel.....	—	108.9	108.1	111.9	112.6	—	80.3	79.2	82.5	83.0
3442	Metal doors, sash, and trim.....	—	67.0	66.7	71.7	73.0	—	48.4	48.2	52.6	53.8
3443	Fabricated plate work (boiler shops)....	—	123.3	121.5	119.8	115.7	—	87.9	85.2	83.7	78.4
3444	Sheet metal work.....	—	82.4	81.2	83.4	85.0	—	59.9	59.0	60.6	62.0
3446,9	Architectural and misc. metal work.....	—	48.7	48.5	52.0	52.3	—	34.6	34.5	37.7	38.4
345	Screw machine products, bolts, etc.....	109.1	106.8	107.6	114.5	113.3	84.1	82.1	83.5	90.0	88.7
3451	Screw machine products.....	—	47.4	47.8	50.9	50.8	—	38.7	39.8	42.8	42.7
3452	Bolts, nuts, rivets, and washers.....	—	59.4	59.8	63.6	62.5	—	43.4	43.7	47.2	46.0
346	Metal stampings.....	244.2	235.8	227.9	260.6	249.2	198.9	190.0	181.8	213.1	201.4
347	Metal stencils, n e c.....	87.8	87.2	87.8	93.9	94.9	72.0	71.5	71.9	77.0	78.8
348	Misc. fabricated wire products.....	66.5	65.1	64.1	68.7	69.0	52.8	51.4	50.3	54.8	55.2
349	Misc. fabricated metal products.....	155.6	156.7	156.5	157.9	158.9	113.4	114.5	114.1	116.0	116.6
3494,8	Valves, pipe, and pipe fittings.....	—	93.7	92.6	93.1	94.2	—	65.7	64.7	65.1	65.9

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 <sup>1</sup>				
		Sept. 1970 P	Aug. 1970 P	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 P	Aug. 1970 P	July 1970	Sept. 1969	Aug. 1969
	<i>Durable Goods--Continued</i>										
	<b>TRANSPORTATION EQUIPMENT--Continued</b>										
3732	Boat building and repairing.....	-	29.5	31.3	43.8	42.9	-	22.6	24.4	35.7	34.7
374	Railroad equipment.....	-	47.2	48.4	52.7	53.4	-	35.3	36.5	41.3	42.0
375,9	Other transportation equipment.....	-	103.7	104.6	101.2	104.5	-	84.7	85.7	83.4	87.0
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> ....	456.1	456.3	457.2	476.8	482.1	276.7	274.5	275.5	294.3	297.2
381	Engineering & scientific instruments.....	-	66.7	67.7	75.9	76.9	-	32.4	33.1	37.4	37.2
382	Mechanical measuring & control devices....	105.8	107.9	108.8	115.2	116.1	64.7	65.1	66.5	72.7	73.3
3821	Mechanical measuring devices.....	-	68.7	69.2	72.2	72.4	-	39.0	39.9	42.8	42.7
3822	Automatic temperature controls.....	-	39.2	39.6	43.0	43.7	-	26.1	26.6	29.9	30.6
383,5	Optical and ophthalmic goods.....	53.4	53.1	53.1	54.6	54.6	36.5	36.2	36.4	38.8	38.8
385	Ophthalmic goods.....	-	35.5	35.3	35.0	34.9	-	26.7	26.7	26.7	26.7
384	Medical instruments and supplies.....	84.9	84.6	84.9	83.0	83.3	56.4	56.0	56.4	56.4	56.7
386	Photographic equipment and supplies.....	(*)	111.1	111.9	111.9	114.2	(*)	58.2	58.5	59.3	61.0
387	Watches, clocks, and watchcases.....	-	32.9	30.8	36.2	37.0	-	26.6	24.6	29.7	30.2
	<b>MISCELLANEOUS MANUFACTURING</b>										
39	<b>INDUSTRIES</b> .....	432.4	430.8	412.9	454.9	452.0	335.9	334.4	316.4	357.5	354.4
391	Jewelry, silverware, and plated ware.....	50.7	50.3	47.9	53.7	53.4	37.8	37.4	34.8	40.7	40.4
394	Toys and sporting goods.....	-	122.2	115.8	134.6	131.0	-	99.9	93.3	112.0	108.4
3941-3	Games, toys, dolls, & play vehicles....	-	74.5	67.7	81.9	79.3	-	62.1	54.9	69.1	66.6
3949	Sporting and athletic goods, n e c.....	-	47.7	48.1	52.7	51.7	-	37.8	38.4	42.9	41.8
395	Pens, pencils, office, and art supplies....	-	34.8	34.9	35.9	35.6	-	25.0	24.9	26.3	25.9
396	Costume jewelry and notions.....	-	58.7	54.5	61.8	61.5	-	48.1	44.2	51.1	51.0
393,9	Other manufacturing industries.....	163.5	164.8	159.8	168.9	170.5	123.4	124.0	119.2	127.4	128.7
393	Musical instruments and parts.....	-	21.3	20.8	24.6	25.2	-	16.6	16.3	19.3	20.0
	<i>Nondurable Goods</i>										
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	1,915.1	1,930.7	1,826.4	1,928.8	1,941.9	1,325.5	1,335.0	1,230.6	1,331.4	1,338.0
201	Meat products.....	354.8	354.6	351.6	338.5	343.5	291.1	290.3	287.2	273.6	278.4
2011	Meat packing plants.....	-	186.8	186.4	183.0	185.6	-	147.7	147.0	142.7	145.0
2013	Sausages and other prepared meats.....	-	60.3	60.0	58.0	58.4	-	43.9	43.4	41.7	42.2
2015	Poultry dressing plants.....	-	107.5	105.2	97.5	99.5	-	98.7	96.8	89.2	91.2
202	Dairy products.....	240.7	245.2	248.0	248.9	255.4	114.8	118.4	119.9	117.3	121.3
2024	Ice cream and frozen desserts.....	-	26.0	26.7	25.8	27.8	-	14.0	14.4	13.4	14.7
2026	Fluid milk.....	-	171.9	173.3	176.7	179.7	-	67.7	68.0	67.9	69.2
203	Canned, cured, and frozen foods.....	-	397.7	300.0	404.6	396.8	-	349.2	251.2	357.2	349.4
2031,6	Canned, cured, and frozen sea foods....	-	43.1	44.3	43.3	45.5	-	38.0	38.8	38.1	40.5
2032,3	Canned food, except sea foods.....	-	237.7	155.2	245.6	234.5	-	209.8	127.1	218.3	207.0
2037	Frozen fruits and vegetables.....	-	75.3	63.6	75.1	74.0	-	66.9	55.8	67.4	66.4
204	Grain mill products.....	136.9	138.6	138.9	136.3	138.7	97.2	98.4	99.5	97.6	99.6
2041	Flour and other grain mill products....	-	28.5	28.4	28.6	28.9	-	20.8	20.9	21.3	21.4
2042	Prepared feeds for animals and fowls....	-	68.9	68.3	65.2	67.2	-	46.9	46.6	43.9	45.5
205	Bakery products.....	284.6	285.3	284.6	276.6	285.4	169.1	169.1	168.9	158.4	167.8
2051	Bread, cake, and related products.....	-	236.2	236.2	239.0	239.6	-	129.1	129.5	129.9	130.7
2052	Cookies and crackers.....	-	49.1	48.4	37.6	45.8	-	40.0	39.4	28.5	37.1
206	Sugar.....	-	31.5	30.9	35.3	33.1	-	23.3	22.7	27.3	25.2
207	Confectionery and related products.....	(*)	84.0	79.5	91.5	88.7	(*)	68.2	63.6	75.7	73.0
2071	Confectionery products.....	-	67.1	63.1	74.4	71.5	-	55.3	51.3	62.9	60.0
208	Beverages.....	(*)	249.0	248.6	249.3	253.6	(*)	125.1	125.2	128.3	129.5
2082	Malt liquors.....	-	60.6	60.6	61.8	63.6	-	40.3	40.3	40.9	42.4
2086	Bottled and canned soft drinks.....	-	140.5	140.9	137.3	141.3	-	53.2	53.9	53.1	54.3
209	Misc. foods and kindred products.....	144.1	144.8	144.3	147.8	146.7	92.9	93.0	92.4	96.0	93.8
21	<b>TOBACCO MANUFACTURES</b> .....	82.3	87.8	71.8	97.6	93.0	69.4	74.3	58.5	83.7	79.3
211	Cigarettes.....	-	42.1	42.4	40.2	40.7	-	34.1	34.0	32.5	32.8
212	Cigars.....	-	17.1	16.9	18.5	18.4	-	15.5	15.3	16.9	16.8
22	<b>TEXTILE MILL PRODUCTS</b> .....	957.2	958.3	948.2	997.2	1,000.1	839.9	841.3	831.1	878.7	881.4
221	Weaving mills, cotton.....	208.8	220.5	221.3	224.5	220.8	200.1	200.0	200.8	204.2	200.1
222	Weaving mills, synthetics.....	94.4	93.9	93.4	101.4	102.2	82.8	82.2	81.6	90.4	91.4
223	Weaving and finishing mills, wool.....	(*)	37.2	37.8	41.0	42.1	(*)	31.5	32.2	35.0	36.1
224	Narrow fabric mills.....	(*)	29.1	28.8	31.8	31.9	(*)	25.5	25.2	28.3	28.3
225	Knitting mills.....	232.0	235.1	231.9	248.1	251.2	204.1	207.1	203.6	218.5	221.4
2251	Women's hosiery, except socks.....	-	63.0	62.8	68.5	68.7	-	57.0	56.6	62.1	62.2
2252	Hosiery, n e c.....	-	36.0	35.7	36.4	37.4	-	32.2	31.9	32.8	33.8
2253	Knit outerwear mills.....	-	67.2	65.5	71.7	72.6	-	58.4	56.5	61.5	62.4
2254	Knit underwear mills.....	-	29.1	28.9	32.1	32.5	-	25.5	25.3	28.3	28.6

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

54

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers <sup>1</sup>				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
<i>Nondurable Goods--Continued</i>											
<b>TEXTILE MILL PRODUCTS--Continued</b>											
226	Textile finishing, except wool .....	83.4	83.0	81.9	81.7	82.5	71.0	70.4	69.3	69.1	69.9
227	Floor covering mills .....	—	55.2	52.9	58.1	57.7	—	43.8	41.6	46.6	46.5
228	Yarn and thread mills .....	131.4	130.7	128.2	129.9	131.0	121.2	120.7	118.2	120.1	121.1
229	Miscellaneous textile goods .....	73.5	73.6	72.0	80.7	80.7	60.0	60.1	58.6	66.5	66.6
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS...</b>	1,384.3	1,391.6	1,346.8	1,421.4	1,427.1	1,214.8	1,220.7	1,177.5	1,248.1	1,253.9
231	Men's and boys' suits and coats .....	(*)	125.7	121.6	134.8	135.4	(*)	109.8	105.5	118.3	119.1
232	Men's and boys' furnishings .....	386.7	387.1	379.1	370.2	373.3	342.5	342.5	335.4	328.2	331.0
2321	Men's and boys' shirts and nightwear ...	—	124.4	124.4	117.4	117.9	—	111.4	111.6	105.0	105.6
2327	Men's and boys' separate trousers .....	—	82.4	80.3	81.1	82.0	—	74.6	72.5	73.8	74.8
2328	Men's and boys' work clothing .....	—	87.0	84.5	83.8	85.2	—	74.6	72.5	72.4	73.2
233	Women's and misses' outerwear .....	428.2	429.1	412.5	435.1	437.4	380.4	380.9	364.8	385.8	387.6
2331	Women's and misses' blouses and waists ..	—	52.3	49.6	50.9	51.4	—	46.7	44.2	45.5	46.0
2335	Women's and misses' dresses .....	—	201.1	191.8	206.6	207.0	—	181.2	171.9	185.8	185.9
2337	Women's and misses' suits and coats ...	—	85.6	83.3	90.9	92.3	—	75.8	73.4	80.8	81.9
2339	Women's and misses' outerwear, n e c ..	—	90.1	87.8	86.7	86.7	—	77.2	75.3	73.7	73.8
234	Women's and children's undergarments ...	119.6	117.7	113.6	125.3	125.3	104.0	102.2	98.5	109.0	109.1
2341	Women's and children's underwear .....	—	84.3	80.8	86.5	86.5	—	74.6	71.3	76.5	76.6
2342	Corsets and allied garments .....	—	33.4	32.8	38.8	38.8	—	27.6	27.2	32.5	32.5
235	Hats, caps, and millinery .....	—	19.1	17.4	20.3	21.3	—	17.2	15.6	18.1	19.1
236	Children's outerwear .....	70.1	73.3	75.7	76.0	76.6	61.9	65.1	67.2	67.3	68.0
2361	Children's dresses and blouses .....	—	30.1	32.7	33.0	32.8	—	27.0	29.5	29.7	29.6
237,8	Fur goods and miscellaneous apparel ....	—	74.7	72.2	80.3	80.3	—	64.2	61.7	69.3	69.5
239	Misc. fabricated textile products .....	164.4	164.9	154.7	179.4	177.5	138.5	138.4	128.8	152.1	150.5
2391,2	Housefurnishings .....	—	65.1	61.8	68.6	67.9	—	55.9	53.0	59.2	58.5
26	<b>PAPER AND ALLIED PRODUCTS .....</b>	711.3	712.5	709.8	718.0	722.6	548.7	548.2	545.5	556.5	560.1
261,2,6	Paper and pulp mills .....	221.5	225.6	227.3	226.2	230.2	169.8	173.4	175.0	176.5	179.7
263	Paperboard mills .....	72.3	72.6	71.7	70.8	70.7	58.6	58.6	57.5	56.4	56.0
264	Misc. converted paper products .....	(*)	188.0	186.0	189.3	189.8	(*)	136.7	134.8	137.7	138.3
2643	Bags, except textile bags .....	—	42.2	41.1	43.0	42.7	—	33.5	32.6	34.8	34.6
265	Paperboard containers and boxes .....	228.0	226.3	224.8	231.7	231.9	181.5	179.5	178.2	185.9	186.1
2651,2	Folding and setup paperboard boxes ....	—	69.5	67.8	70.8	70.5	—	57.3	55.6	58.9	58.5
2653	Corrugated and solid fiber boxes .....	—	107.5	107.2	111.3	111.2	—	82.2	81.8	86.3	86.3
2654	Sanitary food containers .....	—	29.8	30.6	29.8	30.1	—	24.0	25.0	24.1	24.6
27	<b>PRINTING AND PUBLISHING .....</b>	1,108.0	1,104.5	1,104.8	1,098.5	1,098.0	685.5	675.5	676.9	685.3	682.2
271	Newspapers .....	372.1	373.5	373.6	368.0	369.2	181.9	178.8	180.6	180.5	179.9
272	Periodicals .....	—	75.0	74.9	75.1	75.4	—	24.3	24.1	26.5	26.1
273	Books .....	—	99.6	99.6	98.0	99.0	—	53.8	53.6	54.3	55.0
275	Commercial printing .....	359.0	355.0	354.1	353.6	350.3	278.3	274.0	272.9	274.8	271.7
2751	Commercial printing, ex. lithographic ...	—	216.9	216.7	217.7	214.9	—	169.1	168.6	171.1	168.5
2752	Commercial printing, lithographic .....	—	126.7	126.1	124.4	123.8	—	96.4	95.9	95.0	94.4
278	Blankbooks and bookbinding .....	(*)	58.6	59.1	59.3	60.1	(*)	48.0	48.7	49.1	49.6
274,6,7,9	Other publishing & printing ind. ....	142.4	142.8	143.5	144.5	144.0	96.2	96.6	97.0	100.1	99.9
28	<b>CHEMICALS AND ALLIED PRODUCTS...</b>	1,057.8	1,066.0	1,066.0	1,063.9	1,076.5	603.5	608.3	608.0	619.5	629.8
281	Industrial chemicals .....	320.9	324.1	323.3	320.0	321.3	173.3	174.9	173.5	174.8	175.6
2812	Alkalies and chlorine .....	—	22.0	22.2	22.9	22.8	—	14.8	14.9	16.0	15.9
2818	Industrial organic chemicals, n e c .....	—	131.7	132.1	128.5	129.2	—	57.9	57.6	56.9	57.4
2819	Industrial inorganic chemicals, n e c ...	—	103.2	102.2	100.3	100.7	—	59.2	58.4	58.2	58.4
282	Plastics materials and synthetics .....	223.0	224.6	225.9	228.3	229.9	144.8	145.3	146.2	149.5	150.6
2821	Plastics materials and resins .....	—	96.7	97.5	95.9	97.1	—	58.4	59.0	58.2	59.2
2823,4	Synthetic fibers .....	—	114.0	114.7	118.6	119.1	—	77.5	77.9	82.2	82.4
283	Drugs .....	151.6	153.0	152.0	145.0	148.7	72.7	73.7	73.2	70.4	73.6
2834	Pharmaceutical preparations .....	—	117.7	117.5	112.8	115.9	—	55.4	55.3	54.0	57.1
284	Soap, cleaners, and toilet goods .....	127.4	128.8	127.4	124.6	126.6	73.0	73.6	72.7	73.6	75.1
2841	Soap and other detergents .....	—	42.4	42.5	42.0	42.2	—	27.3	27.6	27.5	27.7
2844	Toilet preparations .....	—	51.4	50.1	50.1	51.0	—	29.9	28.3	30.7	31.5
285	Paints and allied products .....	71.6	72.8	73.4	72.6	74.3	39.9	41.2	41.6	40.1	41.6
287	Agricultural chemicals .....	54.6	54.3	55.5	53.5	53.0	31.5	35.1	32.5	31.8	31.4
2871,2	Fertilizers, complete & mixing only ....	—	36.5	37.4	36.3	35.4	—	22.9	23.6	23.4	22.5
286,9	Other chemical products .....	108.7	108.4	108.5	119.9	122.7	68.3	68.1	68.3	79.3	81.9
2892	Explosives .....	—	33.5	34.2	43.7	45.8	—	23.6	24.4	33.6	35.4
29	<b>PETROLEUM AND COAL PRODUCTS .....</b>	193.7	196.5	197.3	191.9	195.0	118.0	120.9	121.8	120.0	122.2
291	Petroleum refining .....	153.9	156.1	156.5	152.3	154.7	89.6	91.6	92.1	91.2	92.8
295,9	Other petroleum and coal products .....	39.8	40.4	40.8	39.6	40.3	28.4	29.3	29.7	28.8	29.4

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 <sup>1</sup>				
		Sept. 1970 <sup>b</sup>	Aug. 1970 <sup>b</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>b</sup>	Aug. 1970 <sup>b</sup>	July 1970	Sept. 1969	Aug. 1969
<i>Nonurable Goods--Continued</i>											
30	<b>RUBBER AND PLASTICS PRODUCTS, N.E.C.</b>	573.9	571.3	569.7	599.0	599.4	437.8	436.8	434.8	463.9	464.4
301	Tires and inner tubes.....	114.9	113.4	116.5	119.4	120.2	77.4	76.8	79.9	83.2	83.9
302,3,6	Other rubber products.....	170.8	168.3	168.2	183.0	182.8	133.1	130.7	130.4	143.5	143.5
302	Rubber footwear.....	-	23.8	23.1	25.4	25.5	-	20.7	19.8	21.3	21.5
307	Miscellaneous plastics products.....	288.2	289.6	285.0	296.6	296.4	227.3	229.3	224.5	237.2	237.0
31	<b>LEATHER AND LEATHER PRODUCTS...</b>	321.4	330.4	328.0	336.1	351.0	274.2	282.5	280.0	287.1	301.2
311	Leather tanning and finishing.....	27.1	26.5	27.0	28.5	29.4	23.3	22.8	23.0	24.6	25.4
314	Footwear, except rubber.....	211.9	221.3	220.5	218.9	230.6	184.2	192.6	191.8	189.9	201.0
312,3,5-7,9	Other leather products.....	82.4	82.6	80.5	88.7	91.0	66.7	67.1	65.2	72.6	74.8
316	Luggage.....	-	18.0	17.8	22.3	22.1	-	13.6	13.4	17.9	17.7
317	Handbags and personal leather goods.....	-	36.0	34.8	36.8	38.3	-	30.6	29.5	30.9	32.5
-	<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,576	4,576	4,593	4,508	4,510	3,970	3,972	3,989	3,928	3,928
40	<b>RAILROAD TRANSPORTATION.....</b>	-	636.3	644.3	642.4	652.6	-	-	-	-	-
4011	Class I railroads <sup>2</sup> .....	-	568.9	576.3	571.8	581.3	-	-	-	-	-
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT.....</b>	-	265.4	267.9	287.6	260.0	-	-	-	-	-
411	Local and suburban transportation.....	-	74.9	75.1	78.2	76.1	-	70.5	70.7	73.1	71.9
412	Taxicabs.....	-	114.4	114.4	110.0	109.9	-	-	-	-	-
413	Intercity highway transportation.....	-	44.8	44.9	44.4	44.9	-	41.1	41.2	40.5	41.2
42	<b>TRUCKING AND WAREHOUSING.....</b>	-	1,126.8	1,131.2	1,112.3	1,102.0	-	1,020.0	1,023.6	1,010.2	1,000.8
421,3	Trucking and trucking terminals.....	-	1,040.2	1,044.5	1,025.5	1,015.3	-	946.0	949.5	934.7	925.0
422	Public warehousing.....	-	86.6	86.7	86.8	86.7	-	74.0	74.1	75.5	75.8
45	<b>TRANSPORTATION BY AIR.....</b>	-	344.9	344.6	363.1	356.5	-	-	-	-	-
451,2	Air transportation.....	-	314.0	313.2	329.8	323.6	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION.....</b>	-	18.4	18.4	18.1	18.6	-	14.7	14.7	14.6	15.1
44,47	<b>OTHER TRANSPORTATION AND SERVICES</b>	-	320.9	327.3	345.1	350.3	-	-	-	-	-
44	WATER TRANSPORTATION.....	-	216.8	219.8	238.5	242.4	-	-	-	-	-
47	TRANSPORTATION SERVICES.....	-	104.1	107.5	106.6	107.9	-	-	-	-	-
48	<b>COMMUNICATION.....</b>	-	1,154.3	1,152.3	1,063.5	1,081.0	-	906.7	905.6	838.6	855.0
481	Telephone communication.....	-	961.6	961.4	879.5	895.4	-	765.9	765.8	704.0	719.4
482	Telegraph communication <sup>3</sup> .....	-	31.6	31.5	32.1	32.7	-	21.7	21.5	22.4	22.6
483	Radio and television broadcasting.....	-	140.3	139.0	134.7	136.0	-	111.4	110.7	106.2	107.2
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	709.0	707.3	675.6	688.7	-	611.8	610.6	581.6	593.6
491	Electric companies and systems.....	-	294.7	292.7	279.9	284.2	-	252.2	250.1	239.1	243.0
492	Gas companies and systems.....	-	167.2	167.2	159.3	164.0	-	143.3	143.3	135.7	140.3
493	Combination companies and systems.....	-	193.0	193.5	186.4	189.6	-	168.6	169.6	162.9	165.4
494-7	Water, steam, & sanitary systems.....	-	54.1	53.9	50.0	50.9	-	47.7	47.6	43.9	44.9
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	14,906	14,867	14,924	14,714	14,670	13,254	13,211	13,269	13,092	13,055
50	<b>WHOLESALE TRADE.....</b>	3,853	3,889	3,902	3,781	3,796	3,246	3,271	3,283	3,181	3,197
501	Motor vehicles & automotive equipment.....	-	333.7	330.3	310.8	311.8	-	273.0	270.5	256.9	258.2
502	Drugs, chemicals, and allied products.....	-	237.2	236.8	228.3	227.4	-	191.4	191.9	186.5	186.2
503	Dry goods and apparel.....	-	149.7	150.0	148.5	151.1	-	118.3	118.2	117.2	120.4
504	Groceries and related products.....	-	555.1	569.7	554.2	554.4	-	486.8	499.5	484.7	485.1
506	Electrical goods.....	-	338.6	337.9	308.2	311.5	-	287.0	285.9	257.4	260.3
507	Hardware; plumbing & heating equipment.....	-	175.1	174.9	172.0	173.5	-	148.3	148.3	145.9	147.4
508	Machinery, equipment, and supplies.....	-	752.8	757.6	739.5	739.2	-	641.0	645.8	629.0	628.4
509	Miscellaneous wholesalers.....	-	1,255.0	1,260.2	1,224.8	1,232.7	-	1,048.7	1,054.1	1,024.5	1,033.0
52-59	<b>RETAIL TRADE.....</b>	11,053	10,978	11,022	10,933	10,874	10,008	9,940	9,986	9,911	9,858
53	<b>RETAIL GENERAL MERCHANDISE.....</b>	-	2,214.1	2,220.0	2,233.2	2,188.4	-	2,025.5	2,033.1	2,051.1	2,008.4
531	Department stores.....	-	1,425.2	1,438.7	1,445.2	1,416.2	-	1,305.9	1,320.8	1,329.7	1,301.5
532	Mail order houses.....	-	122.5	118.6	129.1	124.6	-	113.3	109.4	120.1	115.5
533	Variety stores.....	-	310.4	308.4	323.1	311.4	-	285.8	284.2	298.2	287.1
54	<b>FOOD STORES.....</b>	-	1,712.5	1,724.3	1,676.2	1,645.0	-	1,592.1	1,603.5	1,559.6	1,529.3
541-3	Grocery, meat, and vegetable stores.....	-	1,546.0	1,557.0	1,511.5	1,483.3	-	1,437.0	1,447.4	1,406.3	1,379.0

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 <sup>1</sup>				
		Sept. 1970 P	Aug. 1970 P	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 P	Aug. 1970 P	July 1970	Sept. 1969	Aug. 1969
-	<b>WHOLESALE AND RETAIL TRADE (Continued)</b>										
56	<b>APPAREL AND ACCESSORY STORES . . . . .</b>	-	676.6	679.9	706.8	691.6	-	604.7	607.4	633.1	620.1
561	Men's & boys' clothing & furnishings . . . . .	-	121.8	125.7	120.7	119.7	-	108.4	112.1	106.7	106.6
562	Women's ready-to-wear stores . . . . .	-	255.9	254.7	266.0	261.0	-	229.2	227.9	238.6	234.2
565	Family clothing stores . . . . .	-	97.3	98.3	105.3	104.4	-	89.9	91.0	97.9	97.1
566	Shoe stores . . . . .	-	132.2	131.8	143.0	138.4	-	116.0	115.5	126.4	122.2
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b>	-	451.2	450.3	454.3	456.0	-	392.3	392.0	398.0	398.6
571	Furniture and home furnishings . . . . .	-	287.1	285.0	286.9	288.1	-	248.7	246.8	250.3	251.2
58	<b>EATING AND DRINKING PLACES . . . . .</b>	-	2,524.4	2,534.4	2,502.3	2,525.4	-	2,364.1	2,373.6	2,341.5	2,362.2
52,55,59	<b>OTHER RETAIL TRADE . . . . .</b>	-	3,399.4	3,413.0	3,360.1	3,367.3	-	2,960.8	2,976.5	2,927.7	2,938.9
52	Building materials and farm equipment . . . . .	-	571.6	572.0	555.9	568.8	-	492.7	492.6	477.4	490.2
55	Automotive dealers & service stations . . . . .	-	1,619.5	1,629.3	1,613.7	1,617.2	-	-	-	-	-
551.2	Motor vehicle dealers . . . . .	-	770.8	772.5	777.5	777.5	-	651.6	653.7	659.3	660.5
553.9	Other automotive & accessory dealers . . . . .	-	236.4	236.5	225.8	230.2	-	203.8	204.3	194.5	199.1
554	Gasoline service stations . . . . .	-	612.3	620.3	610.4	609.5	-	-	-	-	-
59	Miscellaneous retail stores . . . . .	-	1,208.3	1,211.7	1,190.5	1,181.3	-	-	-	-	-
591	Drug stores and proprietary stores . . . . .	-	433.9	436.3	439.4	435.6	-	385.3	388.7	392.4	388.0
594	Book and stationery stores . . . . .	-	62.9	63.4	64.3	60.4	-	53.9	54.2	55.2	51.6
596	Farm and garden supply stores . . . . .	-	106.3	108.2	105.0	104.8	-	-	-	-	-
598	Fuel and ice dealers . . . . .	-	101.0	101.2	102.7	101.7	-	87.4	87.3	89.0	88.2
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>4</sup></b>	3,686	3,730	3,738	3,595	3,641	2,911	2,955	2,965	2,856	2,908
60	Banking . . . . .	-	1,067.1	1,067.2	999.7	1,013.1	-	880.1	881.5	829.9	843.5
61	Credit agencies other than banks . . . . .	-	372.8	375.4	362.3	365.0	-	291.7	294.1	283.3	286.2
612	Savings and loan associations . . . . .	-	110.1	111.0	104.3	105.1	-	88.1	88.9	83.1	84.2
614	Personal credit institutions . . . . .	-	193.5	195.0	192.9	194.9	-	-	-	-	-
62	Security, commodity brokers & services . . . . .	-	191.1	193.4	218.3	226.2	-	162.7	165.5	191.7	201.0
63	Insurance carriers . . . . .	-	1,071.9	1,070.6	1,023.0	1,024.4	-	756.1	753.8	712.1	717.0
631	Life insurance . . . . .	-	555.5	554.3	533.5	529.2	-	333.3	330.3	315.4	310.5
632	Accident and health insurance . . . . .	-	96.1	96.3	87.6	88.8	-	83.0	82.8	75.5	76.7
633	Fire, marine, and casualty insurance . . . . .	-	375.1	374.8	357.0	360.9	-	302.4	303.0	283.5	291.5
64	Insurance agents, brokers, and service . . . . .	-	279.9	279.7	266.7	269.8	-	-	-	-	-
65	Real estate . . . . .	-	662.9	667.2	642.1	657.1	-	-	-	-	-
655	Subdividers and developers . . . . .	-	94.6	96.2	87.3	93.3	-	-	-	-	-
656	Operative builders . . . . .	-	41.4	42.7	46.9	48.1	-	-	-	-	-
66,67	Other finance, insurance, & real estate . . . . .	-	84.0	84.4	83.0	84.9	-	-	-	-	-
-	<b>SERVICES . . . . .</b>	11,545	11,642	11,698	11,300	11,372	10,471	10,568	10,627	10,299	10,379
70	Hotels and other lodging places . . . . .	-	835.3	842.6	764.8	852.3	-	-	-	-	-
701	Hotels, tourist courts, and motels . . . . .	-	711.3	717.3	682.7	731.1	-	660.2	666.2	632.7	679.1
72	Personal services . . . . .	-	980.9	995.9	1,022.1	1,023.8	-	-	-	-	-
721	Laundries and dry cleaning plants . . . . .	-	506.0	513.5	535.7	538.3	-	459.3	466.8	487.0	490.5
722	Photographic studios . . . . .	-	37.8	36.5	40.1	37.9	-	32.3	31.1	35.0	33.0
73	Miscellaneous business services . . . . .	-	1,567.2	1,558.3	1,550.7	1,545.7	-	-	-	-	-
731	Advertising . . . . .	-	122.0	123.3	121.9	123.3	-	-	-	-	-
732	Credit reporting and collection . . . . .	-	77.8	77.7	76.2	76.7	-	-	-	-	-
734	Services to buildings . . . . .	-	295.5	297.1	275.4	273.1	-	-	-	-	-
76	Miscellaneous repair services . . . . .	-	181.0	180.9	183.0	182.1	-	-	-	-	-
78	Motion pictures . . . . .	-	203.5	202.9	207.1	215.4	-	-	-	-	-
781	Motion picture filming & distributing . . . . .	-	50.5	50.6	57.3	61.0	-	33.5	33.5	38.0	39.5
782,3	Motion picture theaters and services . . . . .	-	153.0	152.3	149.8	154.4	-	-	-	-	-
80	Medical and other health services . . . . .	-	3,116.2	3,116.6	2,907.8	2,905.1	-	-	-	-	-
806	Hospitals . . . . .	-	1,902.8	1,905.8	1,790.7	1,789.0	-	-	-	-	-
81	Legal services . . . . .	-	245.8	246.7	226.0	230.1	-	-	-	-	-
82	Educational services . . . . .	-	973.6	1,004.5	1,061.6	958.4	-	-	-	-	-
821	Elementary and secondary schools . . . . .	-	333.1	340.1	368.3	322.7	-	-	-	-	-
822	Colleges and universities . . . . .	-	551.2	575.3	603.6	550.5	-	-	-	-	-
89	Miscellaneous services . . . . .	-	661.6	662.9	639.0	648.8	-	-	-	-	-
891	Engineering & architectural services . . . . .	-	306.4	307.5	308.3	314.5	-	-	-	-	-
892	Nonprofit research agencies . . . . .	-	107.1	106.7	106.5	108.3	-	-	-	-	-

See footnotes at end of table.



**ESTABLISHMENT DATA**  
**EMPLOYMENT**

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

(In thousands)

SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969
-	<b>GOVERNMENT</b> .....	12,450	12,027	12,117	12,048	11,699	-	-	-	-	-
91	<b>FEDERAL GOVERNMENT</b> <sup>5</sup> .....	2,598	2,675	2,700	2,733	2,804	-	-	-	-	-
	Executive .....	-	2,637.4	2,662.9	2,697.3	2,767.2	-	-	-	-	-
	Department of Defense .....	-	1,021.9	1,034.5	1,111.6	1,142.9	-	-	-	-	-
	Post Office Department .....	-	723.5	726.8	726.5	741.0	-	-	-	-	-
	Other agencies .....	-	892.0	901.6	859.2	883.3	-	-	-	-	-
	Legislative .....	-	30.7	30.6	29.2	29.7	-	-	-	-	-
	Judicial .....	-	6.8	6.9	6.7	6.7	-	-	-	-	-
92,93	<b>STATE AND LOCAL GOVERNMENT</b> ...	9,852	9,352	9,417	9,315	8,895	-	-	-	-	-
92	State government .....	-	2,572.0	2,580.0	2,489.5	2,424.4	-	-	-	-	-
	State education .....	-	943.5	956.5	967.2	879.8	-	-	-	-	-
	Other State government .....	-	1,628.5	1,623.5	1,522.3	1,544.6	-	-	-	-	-
93	Local government .....	-	6,779.5	6,836.9	6,825.8	6,470.7	-	-	-	-	-
	Local education .....	-	3,449.7	3,495.6	3,780.0	3,301.0	-	-	-	-	-
	Other local government .....	-	3,329.8	3,341.3	3,045.8	3,169.7	-	-	-	-	-

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

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

<sup>3</sup>Data for nonsupervisory workers exclude messengers.

<sup>4</sup>Data for nonoffice salesmen excluded from nonsupervisory count for all series in this division.

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

\*Not available.

p = preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

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

Year and month	1957-59=100												
	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
1969: September	134.4	80.9	119.0	122.0	109.4	135.0	129.9	136.8	141.7	163.8	155.3	124.1	167.6
October..	134.9	80.8	119.3	121.9	109.5	135.7	130.4	137.7	142.1	164.8	156.7	123.7	169.6
November..	134.8	81.0	120.3	121.0	109.5	135.9	130.6	137.9	142.7	165.1	157.1	123.3	170.3
December..	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: January..	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
February..	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
March....	135.7	81.3	120.6	120.2	110.5	137.2	132.8	138.8	144.9	167.3	159.5	125.6	172.9
April....	135.5	80.8	118.7	119.3	109.6	137.3	133.0	138.8	145.2	167.7	160.9	128.8	173.5
May.....	134.9	80.5	116.1	117.9	109.9	137.1	133.3	138.4	145.3	167.8	160.8	125.6	174.6
June.....	134.4	80.5	115.1	117.3	110.7	136.7	132.9	138.0	145.4	167.3	159.7	120.3	175.2
July.....	134.3	80.3	114.8	116.9	111.4	136.7	133.1	138.0	145.3	167.0	160.0	118.7	176.2
August <sup>P</sup> ..	134.0	80.5	114.3	116.1	110.9	136.5	132.7	137.9	145.0	167.0	160.2	118.5	176.7
September <sup>P</sup>	134.0	79.7	112.0	116.1	111.0	136.7	132.4	138.3	145.3	167.3	160.5	117.9	177.2

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**

Industry division and group	1970									1969			
	Sept. p	Aug. p	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>TOTAL</b> .....	70,380	70,384	70,546	70,603	70,852	71,163	71,256	71,135	70,992	70,842	70,808	70,836	70,567
<b>MINING</b> .....	614	620	618	620	620	622	626	626	625	627	624	622	623
<b>CONTRACT CONSTRUCTION</b> .....	3,232	3,301	3,314	3,324	3,351	3,426	3,481	3,466	3,394	3,496	3,473	3,445	3,436
<b>MANUFACTURING</b> .....	19,276	19,276	19,402	19,477	19,572	19,795	19,944	19,937	20,018	20,082	20,082	20,233	20,252
<b>DURABLE GOODS</b> .....	11,137	11,133	11,217	11,286	11,386	11,529	11,648	11,625	11,679	11,773	11,782	11,965	11,968
Ordnance and accessories .....	233	239	243	250	256	261	271	277	281	290	296	298	306
Lumber and wood products .....	572	568	570	575	582	585	593	598	605	606	603	601	606
Furniture and fixtures .....	452	452	454	453	456	468	471	472	477	478	479	483	483
Stone, clay, and glass products .....	636	629	628	636	638	644	651	657	653	659	659	658	657
Primary metal industries .....	1,313	1,300	1,301	1,305	1,309	1,323	1,337	1,349	1,360	1,380	1,384	1,386	1,381
Fabricated metal products .....	1,392	1,386	1,387	1,388	1,394	1,411	1,425	1,428	1,436	1,447	1,444	1,445	1,452
Machinery, except electrical .....	1,929	1,943	1,969	1,982	2,004	2,032	2,046	2,048	2,043	2,051	2,043	2,050	2,041
Electrical equipment .....	1,911	1,905	1,934	1,936	1,956	1,979	1,995	1,993	1,922	1,930	1,934	2,051	2,049
Transportation equipment .....	1,827	1,839	1,853	1,876	1,897	1,925	1,950	1,890	1,988	2,009	2,028	2,078	2,078
Instruments and related products .....	456	453	458	461	468	471	472	472	474	476	476	476	477
Miscellaneous manufacturing .....	416	419	420	424	426	430	437	441	440	447	436	439	438
<b>NONDURABLE GOODS</b> .....	8,139	8,143	8,185	8,191	8,186	8,266	8,296	8,312	8,339	8,309	8,300	8,268	8,284
Food and kindred products .....	1,786	1,791	1,789	1,800	1,805	1,805	1,823	1,830	1,817	1,805	1,806	1,780	1,799
Tobacco manufactures .....	70	81	81	81	81	81	81	80	80	77	80	81	83
Textile mill products .....	952	951	955	959	971	979	980	987	999	995	993	991	992
Apparel and other textile products .....	1,372	1,375	1,393	1,385	1,375	1,394	1,396	1,398	1,416	1,410	1,405	1,406	1,409
Paper and allied products .....	708	704	706	711	714	721	721	720	721	720	718	716	715
Printing and publishing .....	1,109	1,103	1,105	1,103	1,108	1,111	1,113	1,113	1,113	1,110	1,109	1,106	1,100
Chemicals and allied products .....	1,058	1,053	1,054	1,055	1,060	1,063	1,066	1,067	1,068	1,067	1,064	1,062	1,064
Petroleum and coal products .....	191	191	191	193	192	193	194	193	193	192	191	191	189
Rubber and plastics products, nec .....	571	569	578	570	548	585	589	591	595	594	596	596	596
Leather and leather products .....	322	325	333	334	332	334	333	333	337	339	338	339	337
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,526	4,522	4,539	4,511	4,478	4,468	4,502	4,496	4,507	4,469	4,464	4,463	4,459
<b>WHOLESALE AND RETAIL TRADE</b> .....	14,931	14,910	14,933	14,927	14,968	14,991	14,984	14,987	14,938	14,750	14,848	14,824	14,739
<b>WHOLESALE TRADE</b> .....	3,834	3,843	3,856	3,849	3,859	3,853	3,847	3,834	3,828	3,807	3,782	3,775	3,762
<b>RETAIL TRADE</b> .....	11,097	11,067	11,077	11,078	11,109	11,138	11,137	11,153	11,110	10,943	11,066	11,049	10,977
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,675	3,668	3,676	3,679	3,677	3,673	3,665	3,652	3,648	3,626	3,611	3,596	3,584
<b>SERVICES</b> .....	11,533	11,515	11,514	11,532	11,572	11,564	11,537	11,530	11,472	11,431	11,383	11,361	11,289
Hotels and other lodging places .....	-	716	722	749	764	768	772	770	775	770	760	761	748
Personal services .....	-	983	989	1,000	1,005	1,006	1,015	1,018	1,016	1,016	1,021	1,025	1,026
Medical and other health services .....	-	3,101	3,086	3,070	3,058	3,034	3,025	3,007	2,992	2,973	2,950	2,931	2,914
Educational services .....	-	1,135	1,147	1,145	1,146	1,151	1,143	1,145	1,125	1,129	1,125	1,122	1,105
<b>GOVERNMENT</b> .....	12,593	12,572	12,550	12,533	12,614	12,624	12,517	12,441	12,390	12,361	12,323	12,292	12,185
<b>FEDERAL</b> .....	2,611	2,623	2,627	2,663	2,781	2,852	2,780	2,718	2,717	2,721	2,730	2,739	2,747
<b>STATE AND LOCAL</b> .....	9,982	9,949	9,923	9,870	9,833	9,772	9,737	9,723	9,673	9,640	9,593	9,553	9,438

p = preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

**B-6: Production workers in industrial and construction activities<sup>1</sup>**  
**seasonally adjusted**

Major industry group	(In thousands)												
	1970									1969			
	Sept. P	Aug. P	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>TOTAL</b> .....	17,144	17,200	17,327	17,382	17,447	17,734	17,905	17,878	17,890	18,062	18,041	18,172	18,198
<b>MINING</b> .....	464	469	469	471	470	474	476	477	477	477	475	475	476
<b>CONTRACT CONSTRUCTION</b> .....	2,684	2,753	2,768	2,771	2,797	2,871	2,917	2,912	2,840	2,947	2,928	2,903	2,896
<b>MANUFACTURING</b> .....	13,996	13,978	14,090	14,140	14,180	14,389	14,512	14,489	14,573	14,638	14,638	14,794	14,826
<b>DURABLE GOODS</b> .....	8,036	8,015	8,082	8,134	8,186	8,318	8,409	8,367	8,425	8,516	8,522	8,703	8,713
Ordnance and accessories .....	126	129	131	137	141	143	151	155	156	164	168	170	174
Lumber and wood products .....	492	489	491	495	501	504	511	515	523	524	522	520	525
Furniture and fixtures .....	372	372	373	372	375	386	390	390	395	396	397	401	401
Stone, clay, and glass products .....	507	500	499	505	506	512	517	522	520	527	526	526	526
Primary metal industries .....	1,044	1,033	1,033	1,034	1,037	1,049	1,063	1,072	1,086	1,103	1,108	1,112	1,106
Fabricated metal products .....	1,063	1,058	1,058	1,057	1,060	1,079	1,087	1,090	1,100	1,110	1,106	1,107	1,116
Machinery, except electrical .....	1,283	1,291	1,316	1,321	1,340	1,366	1,381	1,381	1,383	1,391	1,384	1,391	1,386
Electrical equipment and supplies .....	1,278	1,269	1,289	1,297	1,294	1,313	1,323	1,319	1,246	1,255	1,264	1,373	1,367
Transportation equipment .....	1,273	1,278	1,290	1,309	1,317	1,345	1,358	1,291	1,384	1,403	1,418	1,468	1,477
Instruments and related products .....	277	273	278	280	286	289	289	289	289	292	292	293	294
Miscellaneous manufacturing industries .....	321	323	324	327	329	332	339	343	343	351	337	342	341
<b>NONDURABLE GOODS</b> .....	5,960	5,963	6,008	6,006	5,994	6,071	6,103	6,122	6,148	6,122	6,116	6,091	6,113
Food and kindred products .....	1,202	1,206	1,203	1,214	1,216	1,217	1,235	1,241	1,226	1,213	1,214	1,187	1,207
Tobacco manufactures .....	57	68	67	67	68	67	67	67	67	64	67	68	69
Textile mill products .....	836	835	839	842	852	860	861	867	878	874	873	872	874
Apparel and other textile products .....	1,203	1,205	1,223	1,214	1,206	1,221	1,223	1,226	1,242	1,238	1,233	1,234	1,236
Paper and allied products .....	546	541	544	549	551	556	558	557	558	557	554	554	554
Printing and publishing .....	685	676	680	679	681	687	690	690	691	691	690	689	685
Chemicals and allied products .....	605	602	605	603	606	610	613	616	619	620	619	619	621
Petroleum and coal products .....	116	117	118	118	118	118	119	119	119	118	118	118	118
Rubber and plastics products, nec .....	436	435	444	434	412	450	453	454	459	457	459	460	462
Leather and leather products .....	274	278	285	286	284	285	284	285	289	290	289	290	287

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

p = preliminary.

Advertisement on page 61 omitted.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969
1	ALABAMA .....	1,005.9	1,008.4	1,010.2	8.5	8.4	8.3	56.8	55.9	59.7	321.9	323.0	328.5
2	Birmingham .....	(*)	260.7	259.8	(*)	5.6	5.4	(*)	16.5	16.5	(*)	71.8	73.2
3	Huntsville .....	76.1	76.5	77.7	(1)	(1)	(1)	3.0	3.0	3.3	12.8	13.1	12.2
4	Mobile .....	(*)	105.7	105.5	(*)	(1)	(1)	(*)	6.4	6.9	(*)	26.0	25.4
5	Montgomery .....	(*)	70.1	69.7	(*)	(1)	(1)	(*)	5.4	6.1	(*)	10.9	10.7
6	Tuscaloosa .....	36.5	36.5	36.3	(1)	(1)	(1)	2.9	2.7	2.7	10.4	10.4	10.4
7	ALASKA .....	99.6	99.9	96.4	2.8	2.5	3.7	9.7	9.6	10.0	12.1	13.4	11.3
8	ARIZONA .....	536.4	536.7	513.2	20.7	20.7	18.6	33.6	31.5	33.8	89.7	89.6	94.3
9	Phoenix .....	315.4	315.1	303.7	.2	.2	.2	18.2	16.7	18.8	69.2	69.1	75.1
10	Tucson .....	103.8	103.7	97.4	6.6	6.6	5.4	9.3	9.0	9.6	9.4	9.6	8.5
11	ARKANSAS .....	538.8	534.7	542.8	4.2	4.3	4.6	30.8	29.9	32.6	167.8	165.7	172.0
12	Fayetteville .....	25.6	25.3	25.4	(1)	(1)	(1)	1.4	1.3	1.3	7.9	7.6	8.0
13	Fort Smith .....	45.4	45.0	44.6	.5	.5	.5	3.9	3.6	3.3	15.9	16.0	15.7
14	Little Rock-North Little Rock .....	124.1	124.3	124.4	(1)	(1)	(1)	9.4	9.7	9.6	26.8	26.6	28.5
15	Pine Bluff .....	24.0	24.0	24.6	(1)	(1)	(1)	1.1	1.1	1.3	5.5	5.5	5.8
16	CALIFORNIA .....	7,043.5	7,014.6	6,978.3	32.0	32.3	33.4	311.2	308.2	281.2	1,591.6	1,566.7	1,715.7
17	Anaheim-Santa Ana-Garden Grove ..	417.9	417.9	401.3	2.0	2.0	2.1	23.4	23.2	17.1	116.8	118.1	128.7
18	Bakersfield <sup>2</sup> .....	90.4	92.1	89.9	6.6	6.7	7.4	4.2	4.1	3.7	8.0	8.0	8.1
19	Fresno <sup>2</sup> .....	122.3	120.4	119.9	.9	.9	.7	5.0	4.9	5.2	20.4	17.6	21.0
20	Los Angeles-Long Beach .....	2,902.1	2,903.1	2,884.7	11.3	11.3	12.0	109.4	107.0	88.5	807.1	811.7	885.0
21	Modesto-Turlock <sup>2</sup> .....	60.3	55.4	60.0	.1	.1	.1	3.3	3.2	3.3	20.3	15.4	19.8
22	Oxnard-Ventura .....	90.9	91.1	90.4	1.9	1.9	2.0	4.2	4.3	3.8	13.2	13.0	14.9
23	Sacramento <sup>2</sup> .....	266.8	263.0	265.1	.1	.1	.1	12.7	12.4	12.9	25.0	21.9	26.9
24	Salinas-Monterey .....	65.1	64.0	63.1	.5	.5	.4	2.6	2.5	2.8	8.0	7.7	7.7
25	San Bernardino-Riverside-Ontario ..	291.9	293.0	282.5	2.3	2.4	2.2	14.1	14.3	12.0	52.8	52.9	54.7
26	San Diego .....	383.8	383.3	376.1	.5	.5	.5	21.0	21.2	20.3	66.3	67.0	69.8
27	San Francisco-Oakland .....	1,278.8	1,271.1	1,276.5	1.8	1.8	1.7	63.8	62.9	65.2	206.2	199.6	217.9
28	San Jose .....	378.4	376.0	380.3	.2	.2	.1	18.7	18.5	18.7	127.4	125.1	138.2
29	Santa Barbara .....	80.1	80.6	78.2	1.0	1.0	1.0	4.2	4.2	4.1	10.0	10.0	10.4
30	Santa Rosa .....	51.1	50.1	51.0	.4	.4	.4	2.4	2.3	2.8	7.8	6.8	8.3
31	Stockton .....	93.3	88.7	94.4	.1	.1	.1	3.7	3.5	3.7	20.3	16.3	21.7
32	Vallejo-Napa .....	68.1	68.1	68.3	.2	.2	.2	2.6	2.5	2.7	7.7	7.6	7.9
33	COLORADO .....	733.9	733.0	715.4	13.9	14.0	13.4	43.5	43.3	41.4	114.0	113.2	117.5
34	Denver .....	473.2	473.0	461.2	4.4	4.4	4.7	30.2	29.9	27.2	81.6	81.3	84.7
35	CONNECTICUT .....	1,178.8	1,192.4	1,191.2	(3)	(3)	(3)	61.5	62.2	62.4	435.2	445.0	466.5
36	Bridgeport .....	151.9	153.1	157.0	(3)	(3)	(3)	7.2	7.1	6.9	67.6	69.0	76.2
37	Hartford .....	319.7	325.7	316.0	(3)	(3)	(3)	16.9	16.7	16.5	97.9	103.5	103.1
38	New Britain .....	44.3	45.3	46.5	(3)	(3)	(3)	2.2	2.2	2.4	23.2	23.5	24.9
39	New Haven .....	155.7	156.5	153.3	(3)	(3)	(3)	8.8	8.6	8.8	41.5	42.5	42.6
40	Stamford .....	84.7	84.7	81.0	(3)	(3)	(3)	4.3	4.3	4.1	28.7	28.6	27.8
41	Waterbury .....	76.6	77.2	80.1	(3)	(3)	(3)	3.8	3.8	3.8	35.7	36.3	39.9
42	DELAWARE .....	207.6	210.8	213.4	(1)	(1)	(1)	13.9	14.5	13.5	69.7	72.4	76.0
43	Wilmington .....	187.9	190.9	191.7	(1)	(1)	(1)	12.8	13.3	12.6	67.1	69.7	72.3
44	DISTRICT OF COLUMBIA <sup>4</sup> .....	693.4	698.1	691.6	(1)	(1)	(1)	17.9	18.2	19.7	20.1	20.2	20.8
45	Washington SMSA .....	1,149.4	1,156.3	1,136.8	(1)	(1)	(1)	70.8	71.4	74.0	45.2	45.4	45.9
46	FLORIDA .....	2,088.9	2,093.0	2,033.8	7.9	8.0	8.0	168.9	169.0	174.0	315.3	315.3	322.7
47	Fort Lauderdale-Hollywood .....	163.4	165.2	163.6	(1)	(1)	(1)	22.5	24.0	28.0	19.2	19.2	20.7
48	Jacksonville .....	189.9	189.6	189.5	(1)	(1)	(1)	13.1	13.2	13.2	24.7	24.3	25.2
49	Miami .....	491.4	490.8	474.9	(1)	(1)	(1)	33.7	33.3	34.2	77.3	77.3	77.3
50	Orlando .....	134.4	133.5	127.8	(1)	(1)	(1)	14.6	14.3	12.2	19.4	19.4	21.6
51	Pensacola .....	66.7	66.6	66.4	(1)	(1)	(1)	5.4	5.0	5.0	14.4	14.3	14.6
52	Tampa-St. Petersburg .....	300.9	298.2	287.9	(1)	(1)	(1)	24.7	24.7	23.2	56.0	52.6	53.4
53	West Palm Beach .....	106.4	106.2	100.5	(1)	(1)	(1)	12.2	12.0	12.4	20.3	20.5	18.4
54	GEORGIA .....	1,525.2	1,525.8	1,540.7	6.7	6.7	7.0	72.3	73.2	86.2	459.5	458.6	488.2
55	Atlanta .....	602.3	606.1	608.0	(1)	(1)	(1)	24.8	25.1	37.3	122.3	125.4	135.4

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**
**for States and selected areas, by industry division**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	
57.9	58.2	56.7	188.0	187.6	185.2	42.7	42.5	41.6	128.2	127.7	129.2	201.9	205.1	201.0	1
(*)	18.8	18.8	(*)	59.5	58.9	(*)	17.8	17.3	(*)	36.7	35.6	(*)	34.0	34.1	2
1.9	1.9	1.9	12.1	12.1	12.2	2.0	2.0	2.0	15.8	15.8	16.9	28.5	28.6	29.2	3
(*)	11.1	10.6	(*)	25.0	25.2	(*)	5.1	5.0	(*)	15.9	16.3	(*)	16.2	16.1	4
(*)	4.5	4.5	(*)	15.0	15.2	(*)	4.8	4.4	(*)	10.7	10.6	(*)	18.8	18.2	5
1.6	1.6	1.6	6.0	6.0	5.9	1.1	1.2	1.2	3.5	3.5	3.4	11.0	11.1	11.1	6
9.3	9.2	8.6	15.1	14.9	14.2	3.0	3.0	2.7	11.6	11.5	11.5	36.0	35.8	34.4	7
30.8	30.6	28.8	127.0	126.9	115.4	30.1	30.2	27.1	90.8	92.0	85.4	113.7	115.2	109.8	8
18.1	18.2	16.5	81.4	81.3	73.5	22.2	22.2	20.1	52.1	52.4	48.2	54.0	55.0	51.3	9
5.9	6.0	5.6	23.5	23.6	20.9	4.7	4.8	4.1	18.7	18.6	17.7	25.7	25.5	25.6	10
31.7	31.8	32.2	107.4	107.2	106.0	21.5	21.5	21.1	75.4	75.1	73.1	100.0	99.2	101.2	11
2.3	2.3	2.2	4.9	5.0	4.7	.6	.6	.6	3.4	3.4	3.3	5.1	5.1	5.3	12
2.8	2.8	2.8	8.9	8.8	8.9	1.5	1.4	1.4	6.5	6.5	6.6	5.4	5.4	5.4	13
9.6	9.6	9.5	26.7	26.6	26.2	8.8	8.9	8.6	18.6	18.6	18.5	24.2	24.3	23.5	14
3.3	3.3	3.1	4.6	4.6	4.6	.9	.9	.9	3.3	3.3	3.4	5.3	5.3	5.5	15
480.1	478.6	472.3	1,565.0	1,562.8	1,510.4	384.1	383.4	370.9	1,301.0	1,295.4	1,242.8	1,378.5	1,387.2	1,351.6	16
14.4	14.4	13.0	103.8	103.4	93.3	21.1	20.8	19.2	72.9	72.4	67.2	63.5	63.6	60.7	17
6.4	6.4	6.7	21.1	22.1	20.6	3.6	3.6	3.5	14.7	15.4	14.1	25.8	25.8	25.8	18
8.5	8.3	8.7	33.9	34.3	33.0	5.4	5.4	5.2	22.2	22.5	21.7	26.0	26.5	24.4	19
183.2	182.9	178.5	649.8	649.6	628.6	172.5	172.1	164.9	560.6	558.8	536.3	408.2	409.7	390.9	20
2.7	2.6	2.7	12.2	12.4	12.1	1.6	1.6	1.5	10.2	10.2	10.1	9.9	9.9	10.4	21
4.3	4.3	4.2	20.9	21.1	19.7	3.3	3.3	3.1	14.9	14.8	14.4	28.2	28.4	28.3	22
17.9	17.7	18.0	54.7	54.2	53.2	10.6	10.6	10.4	39.5	38.8	37.6	106.3	107.3	106.0	23
4.2	4.2	4.1	17.1	16.8	16.7	2.4	2.4	2.4	13.1	12.6	12.3	17.2	17.3	16.7	24
17.8	17.8	17.7	67.3	67.1	63.6	10.3	10.3	9.8	55.0	54.5	51.6	72.3	73.7	70.9	25
21.2	21.2	20.5	86.1	85.5	81.9	18.2	18.3	17.5	75.6	75.0	72.0	94.9	94.6	93.6	26
137.5	136.9	138.4	276.0	275.5	269.7	98.0	98.2	97.3	227.5	226.4	219.3	268.0	269.8	267.0	27
17.3	17.1	16.3	70.8	70.3	67.3	13.6	13.5	13.2	73.3	73.6	72.1	57.1	57.7	54.4	28
3.7	3.7	3.6	17.8	17.9	17.1	3.2	3.2	3.1	20.5	20.4	19.7	19.7	20.2	19.2	29
2.8	2.7	2.9	12.6	12.4	12.4	3.2	3.2	3.1	9.3	9.3	9.0	12.6	13.0	12.1	30
7.3	7.1	7.2	20.2	19.6	20.3	3.1	3.1	3.1	14.3	14.5	13.9	24.3	24.5	24.4	31
3.7	3.7	3.8	12.2	12.1	11.9	1.9	1.9	1.9	10.5	10.5	10.2	29.3	29.6	29.7	32
53.8	53.4	51.9	175.0	174.5	170.8	38.6	38.5	36.8	130.3	130.1	126.4	164.8	166.0	157.2	33
37.6	37.3	36.0	118.3	118.2	114.0	29.5	29.5	28.5	86.8	87.1	84.3	84.8	85.3	81.8	34
52.8	53.6	52.8	224.0	225.7	217.0	73.8	73.1	71.0	183.6	183.1	178.8	148.0	149.7	142.8	35
6.5	6.5	6.3	30.0	30.1	28.1	4.8	4.8	4.6	21.7	21.6	21.2	14.1	14.0	13.7	36
11.6	11.7	11.4	59.6	60.8	58.8	43.1	42.7	41.8	46.0	46.1	44.6	44.6	44.3	39.9	37
1.6	1.6	1.5	7.0	7.1	6.9	1.1	1.2	1.1	5.1	5.2	5.1	4.1	4.6	4.5	38
13.8	13.8	13.5	31.6	31.7	30.4	8.3	8.3	8.3	33.1	33.0	31.5	18.7	18.7	18.2	39
3.3	3.4	3.1	17.6	17.8	16.7	4.6	4.6	4.3	18.0	18.2	17.4	8.1	8.0	7.6	40
3.2	3.2	3.2	12.9	13.0	12.7	2.3	2.3	2.1	10.9	10.8	10.4	7.9	7.9	8.0	41
10.8	11.0	10.6	42.7	42.9	43.8	9.4	9.2	8.9	29.0	29.6	31.2	32.1	31.2	29.4	42
9.5	9.7	9.4	36.1	36.2	36.3	8.3	8.2	8.0	26.7	27.3	28.2	27.4	26.5	24.9	43
32.3	32.4	31.5	85.5	85.8	85.3	32.9	33.0	32.2	144.0	143.8	139.2	360.7	364.7	362.9	44
62.9	63.0	60.4	226.3	227.6	221.0	66.4	66.8	64.7	252.5	252.9	246.8	425.3	429.2	424.0	45
162.4	161.8	151.8	550.6	549.7	522.0	131.6	131.8	126.4	393.1	394.8	383.2	359.1	362.6	345.7	46
10.3	10.4	8.6	45.5	45.4	43.2	11.2	11.3	10.6	31.9	32.1	31.2	22.8	22.8	21.3	47
21.3	21.4	20.9	52.0	51.8	51.6	18.8	18.7	17.9	28.3	28.5	28.4	31.7	31.7	32.3	48
56.3	56.3	54.7	131.6	131.2	125.6	32.5	32.6	31.7	108.7	109.6	100.3	51.3	50.5	51.1	49
8.5	8.5	7.8	37.6	37.4	35.6	9.5	9.3	9.0	23.7	23.6	22.0	21.1	21.0	19.6	50
3.5	3.6	3.4	14.7	15.0	14.3	2.6	2.6	2.6	8.7	8.6	8.6	17.4	17.5	17.9	51
20.9	21.1	20.1	86.1	86.6	81.7	17.9	17.9	17.4	54.4	54.4	52.5	40.9	40.9	39.6	52
5.3	5.3	4.6	26.8	26.4	25.2	6.8	6.9	6.5	19.9	19.9	18.8	15.1	15.2	14.6	53
109.9	110.4	105.0	327.1	326.5	319.7	75.5	75.3	72.9	180.2	180.1	177.3	294.0	295.0	284.4	54
60.9	61.2	57.8	166.1	165.8	158.5	43.1	43.1	41.4	89.8	89.6	87.9	95.3	95.9	89.7	55

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969
	<b>GEORGIA (continued)</b>												
1	Augusta .....	86.4	86.7	88.4	(1)	(1)	(1)	6.0	6.1	5.8	29.3	29.4	31.4
2	Columbus .....	69.7	70.2	70.5	(1)	(1)	(1)	4.2	4.6	4.3	18.8	18.8	19.6
3	Macon .....	76.9	77.1	79.3	(1)	(1)	(1)	4.9	5.3	5.1	12.9	12.9	15.8
4	Savannah .....	66.7	67.4	69.3	(1)	(1)	(1)	4.5	4.5	4.3	15.9	16.2	17.8
5	<b>HAWAII.</b> .....	295.5	299.4	284.7	(1)	(1)	(1)	23.7	23.9	23.6	28.4	31.6	30.1
6	Honolulu .....	251.4	255.3	242.1	(1)	(1)	(1)	21.0	21.2	21.2	20.9	23.8	21.7
7	<b>IDAHO</b> <sup>2</sup> .....	211.6	208.1	210.0	3.5	3.6	3.9	12.2	11.8	12.8	40.9	38.2	41.3
8	Boise <sup>2</sup> .....	42.6	42.5	40.7	(1)	(1)	(1)	3.0	3.0	2.9	5.0	4.9	4.7
9	<b>ILLINOIS</b> .....	4,419.1	4,408.4	4,420.6	23.1	23.0	24.2	213.3	207.8	217.3	1,367.1	1,359.5	1,422.6
10	Chicago <sup>5</sup> .....	3,056.9	3,051.5	3,072.1	5.0	4.9	5.3	138.3	135.7	142.6	950.5	944.6	990.9
11	Chicago-Northwestern Indiana .....	(*)	(*)	3,299.4	(*)	(*)	5.3	(*)	(*)	158.7	(*)	(*)	1,101.7
12	Davenport-Rock Island-Moline .....	(*)	131.8	132.0	(*)	(3)	(3)	(*)	6.4	6.7	(*)	42.9	43.2
13	Peoria .....	134.7	132.9	129.1	(3)	(3)	(3)	9.2	8.8	9.1	50.8	49.1	46.5
14	Rockford .....	111.4	108.5	114.5	(3)	(3)	(3)	5.1	4.0	5.6	55.1	53.6	58.9
15	<b>INDIANA</b> .....	1,851.8	1,851.6	1,879.9	7.6	7.5	7.7	93.0	89.3	99.3	710.3	710.9	754.9
16	Evansville .....	89.2	88.4	90.6	1.7	1.6	1.6	4.6	2.8	4.9	33.0	34.8	34.5
17	Fort Wayne .....	122.8	123.4	121.4	(1)	(1)	(1)	6.0	6.1	6.7	45.5	46.1	47.3
18	Gary-Hammond-East Chicago <sup>5</sup> .....	227.7	224.2	227.3	(1)	(1)	(1)	15.3	11.6	16.1	110.0	109.8	110.7
19	Indianapolis .....	430.3	431.3	434.7	(1)	(1)	(1)	23.2	23.2	24.1	132.2	132.2	140.5
20	Muncie .....	46.0	46.2	46.3	(1)	(1)	(1)	2.0	2.0	2.3	18.8	18.8	19.4
21	South Bend .....	94.4	94.6	97.9	(1)	(1)	(1)	4.4	4.4	4.7	32.9	33.1	35.7
22	Terre Haute .....	54.7	54.3	53.7	1.2	1.1	1.0	2.8	2.7	2.7	15.8	15.7	15.7
23	<b>IOWA</b> .....	884.1	885.2	883.8	3.5	3.5	3.4	47.6	47.0	47.5	210.9	211.7	224.8
24	Cedar Rapids .....	64.1	64.3	68.1	(1)	(1)	(1)	2.6	2.6	3.2	24.6	24.9	28.6
25	Des Moines .....	129.5	129.7	129.0	(1)	(1)	(1)	7.0	7.1	6.8	25.1	25.1	26.0
26	Dubuque .....	32.0	33.4	31.1	(1)	(1)	(1)	1.8	1.9	1.8	12.6	14.0	12.0
27	Sioux City .....	41.8	41.1	42.0	(1)	(1)	(1)	1.2	1.3	2.4	10.4	9.6	10.0
28	Waterloo .....	47.8	48.8	48.4	(1)	(1)	(1)	2.9	2.8	2.6	17.2	18.2	18.7
29	<b>KANSAS</b> .....	661.5	672.8	674.8	11.3	11.6	12.0	36.4	37.0	40.2	126.2	133.3	143.3
30	Topeka .....	59.6	63.4	61.1	.1	.1	.1	3.5	3.7	3.8	6.6	9.7	9.3
31	Wichita .....	135.5	136.8	143.8	1.9	2.0	2.4	7.0	7.2	7.8	37.7	38.3	44.6
32	<b>KENTUCKY</b> .....	906.8	902.8	901.8	28.2	28.3	27.8	51.1	50.6	62.6	249.0	245.2	249.5
33	Lexington .....	77.6	76.8	78.0	(1)	(1)	(1)	6.1	6.0	6.7	15.4	14.7	16.5
34	Louisville .....	338.3	339.9	334.5	(1)	(1)	(1)	17.8	17.7	18.9	114.1	116.2	119.9
35	<b>LOUISIANA</b> .....	1,040.5	1,043.1	1,053.1	51.1	51.2	53.0	78.7	79.3	86.5	177.8	177.7	182.6
36	Baton Rouge .....	101.8	102.3	103.5	.7	.7	.5	12.9	13.4	12.5	18.0	18.0	18.7
37	Lake Charles .....	40.4	40.9	42.3	1.6	1.6	1.5	4.7	5.1	6.5	9.1	9.1	9.2
38	Monroe .....	37.5	37.6	37.9	.4	.4	.4	3.6	3.5	3.8	6.2	6.4	6.7
39	New Orleans .....	372.6	374.2	374.4	14.3	14.6	15.1	21.6	21.8	22.6	53.9	54.5	57.1
40	Shreveport .....	93.2	93.8	93.5	3.8	3.9	4.2	6.3	6.3	5.7	16.4	16.6	17.5
41	<b>MAINE</b> .....	335.8	334.1	339.2	(1)	(1)	(1)	17.6	17.5	17.7	110.9	108.4	118.7
42	Lewiston-Auburn .....	28.7	28.3	29.2	(1)	(1)	(1)	1.5	1.5	1.6	13.2	12.7	13.9
43	Portland .....	65.6	65.4	64.7	(1)	(1)	(1)	3.7	3.7	3.3	14.4	14.4	15.7
44	<b>MARYLAND</b> <sup>4</sup> .....	1,311.2	1,312.1	1,288.0	1.8	1.8	1.8	91.7	90.9	92.7	276.0	273.0	286.0
45	Baltimore .....	808.7	812.3	802.2	.3	.3	.3	45.6	45.4	46.0	197.1	197.6	205.4
46	<b>MASSACHUSETTS</b> .....	2,258.4	2,251.6	2,273.0	(1)	(1)	(1)	105.0	101.9	104.5	634.8	629.7	680.2
47	Boston .....	1,290.5	1,291.6	1,288.5	(1)	(1)	(1)	55.3	54.1	55.0	274.0	273.4	294.8
48	Brockton .....	50.3	50.4	49.7	-	-	-	2.4	2.4	2.1	15.6	15.6	17.2
49	Fall River .....	48.1	47.3	48.0	(1)	(1)	(1)	(1)	(1)	(1)	22.8	21.9	23.3
50	Lawrence-Haverhill .....	79.3	79.5	81.8	(1)	(1)	(1)	2.2	2.2	2.1	37.1	36.8	38.9
51	Lowell .....	53.5	53.9	53.8	(1)	(1)	(1)	3.0	3.1	3.0	20.3	20.2	21.5
52	New Bedford .....	53.7	52.9	56.6	(1)	(1)	(1)	2.0	1.9	2.0	24.6	23.8	27.6
53	Springfield-Chicopee-Holyoke .....	194.8	194.4	196.6	(1)	(1)	(1)	9.2	9.0	8.9	67.4	66.6	72.7
54	Worcester .....	129.9	130.1	131.2	(1)	(1)	(1)	6.4	6.3	5.7	45.0	45.3	48.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

far 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			
Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	
4.0	4.1	4.1	14.6	14.6	14.5	3.2	3.2	3.2	9.7	9.7	9.9	19.6	19.6	19.5	1
3.4	3.4	3.4	13.8	13.7	13.4	4.1	4.1	3.8	8.5	8.5	8.8	16.9	17.1	17.2	2
3.7	3.6	3.5	14.6	14.5	14.5	4.3	4.3	4.0	9.4	9.4	8.8	27.1	27.1	27.6	3
6.9	7.1	7.3	15.3	15.4	15.6	3.2	3.2	3.2	9.4	9.4	9.5	11.5	11.6	11.7	4
24.6	24.5	23.6	67.5	67.9	63.5	18.5	18.4	17.4	57.4	57.2	54.4	75.4	75.9	72.1	5
20.8	20.8	19.9	58.0	58.4	54.2	17.1	17.0	16.1	47.9	47.8	45.1	65.7	66.3	63.9	6
14.4	14.3	14.5	50.1	49.4	49.5	7.9	7.9	7.8	32.9	32.8	32.3	49.7	50.1	47.9	7
3.2	3.2	3.2	11.7	11.7	11.2	2.8	2.8	2.7	6.6	6.6	6.2	10.3	10.3	9.8	8
297.6	298.4	293.6	959.0	958.6	940.7	240.9	241.8	233.6	697.0	697.3	683.6	621.1	621.9	605.1	9
216.9	216.9	213.7	676.2	677.6	669.7	187.7	188.6	182.5	521.3	520.5	508.6	361.0	362.7	358.7	10
(*)	(*)	227.7	(*)	(*)	707.1	(*)	(*)	188.7	(*)	(*)	530.5	(*)	(*)	379.6	11
(*)	7.0	7.0	(*)	29.4	29.0	(*)	5.0	5.2	(*)	18.5	(*)	18.0	(*)	22.5	12
7.1	7.2	7.3	28.3	28.2	27.7	5.4	5.4	5.4	19.3	19.5	18.6	14.7	14.8	14.6	13
3.6	3.5	3.5	20.3	20.6	20.8	3.2	3.3	3.2	14.1	14.0	13.6	10.1	9.5	9.0	14
101.1	101.3	101.0	369.6	369.4	364.0	76.5	76.5	75.4	208.1	208.7	203.4	285.7	288.1	274.2	15
5.2	5.2	5.3	18.9	18.9	19.2	3.4	3.3	3.3	14.1	13.5	13.6	8.3	8.3	8.2	16
8.6	8.7	8.5	28.3	28.1	26.5	6.7	6.7	6.4	16.1	16.1	15.1	11.6	11.6	10.9	17
13.9	13.9	14.0	38.3	38.3	37.4	6.3	6.4	6.2	22.4	22.6	22.0	21.5	21.6	20.9	18
28.7	28.7	28.3	95.8	95.8	95.0	30.1	30.0	29.1	54.9	55.1	53.1	65.4	66.3	64.6	19
2.5	2.5	2.6	9.1	9.0	8.7	1.4	1.4	1.4	5.4	5.4	5.2	6.8	7.1	6.7	20
5.0	4.9	5.1	20.4	20.5	21.1	4.9	4.9	4.9	16.3	16.3	16.2	10.5	10.5	10.2	21
4.1	4.1	4.2	13.0	12.8	13.2	1.7	1.7	1.7	6.6	6.6	6.5	9.5	9.6	8.7	22
52.0	52.1	52.2	208.5	207.7	205.3	43.1	43.2	41.5	143.6	143.1	141.2	175.0	176.9	167.8	23
3.2	3.2	3.2	13.5	13.4	13.5	3.2	3.2	3.2	9.8	9.8	9.6	7.3	7.4	6.9	24
9.6	9.4	9.3	31.3	31.8	32.6	15.6	15.8	14.9	22.3	21.7	21.2	18.5	18.7	18.1	25
1.7	1.7	1.7	6.6	6.7	6.8	1.0	.9	.9	5.7	5.7	5.6	2.6	2.6	2.2	26
3.2	3.3	3.3	11.8	11.6	11.6	2.0	2.1	2.1	7.5	7.5	7.4	5.6	5.6	5.3	27
2.4	2.4	2.5	9.9	9.8	9.7	1.5	1.5	1.5	7.4	7.4	7.4	6.5	6.6	6.0	28
52.7	52.7	52.6	160.2	160.5	158.0	30.6	30.7	30.2	102.9	103.0	100.4	141.2	144.0	138.1	29
7.4	7.4	7.5	13.1	13.2	13.0	4.0	4.0	3.9	10.1	10.1	9.7	15.0	15.3	14.1	30
7.9	8.0	8.0	31.6	31.7	33.1	6.6	6.5	6.7	25.3	25.3	24.2	17.6	18.0	17.2	31
60.8	61.0	61.4	187.2	186.9	181.7	35.5	35.9	35.5	127.9	127.7	124.7	167.1	167.2	158.6	32
4.3	4.3	4.3	14.7	14.8	14.6	3.7	3.7	3.8	13.1	13.1	12.3	20.3	20.2	19.8	33
23.2	23.5	23.2	72.6	72.0	69.2	17.6	17.5	17.1	49.6	49.6	46.8	43.4	43.4	39.5	34
97.2	97.2	96.1	226.8	227.3	229.3	49.9	50.1	49.5	152.6	153.8	154.9	206.4	206.5	201.2	35
5.4	5.4	5.5	21.1	21.1	22.4	5.4	5.4	5.7	14.7	14.6	14.2	23.7	23.8	24.0	36
3.1	3.2	3.1	8.2	8.2	8.4	1.5	1.5	1.5	5.9	5.9	5.9	6.3	6.3	6.2	37
2.5	2.5	2.5	10.2	10.1	9.9	2.4	2.4	2.4	5.1	5.2	5.2	7.1	7.1	7.0	38
47.6	47.5	47.5	89.2	88.9	89.6	22.5	22.4	22.8	64.9	64.9	64.0	58.5	59.5	55.7	39
9.7	9.7	9.6	23.3	23.2	23.3	4.8	4.8	4.7	14.2	14.6	14.2	14.7	14.7	14.3	40
18.0	17.9	17.7	68.5	68.3	66.9	12.4	12.4	11.8	45.2	45.1	44.6	63.2	64.5	61.8	41
.9	.9	.9	6.2	6.2	6.1	.9	.9	.9	4.1	4.2	4.0	1.9	1.9	1.8	42
5.3	5.4	5.3	17.8	17.8	17.1	5.6	5.5	5.3	11.7	11.6	11.3	7.1	7.0	6.7	43
82.1	82.3	79.5	307.0	307.7	293.2	70.6	70.9	68.0	240.8	239.9	233.6	241.2	245.6	233.2	44
57.5	57.7	56.5	174.5	174.8	169.3	44.5	44.7	43.2	139.4	139.1	135.4	149.8	152.7	146.1	45
119.5	119.5	114.8	482.8	484.1	477.7	131.8	132.0	128.1	479.3	480.7	465.9	305.2	303.7	301.8	46
78.7	79.1	74.2	286.7	287.9	283.8	94.6	95.3	92.3	322.6	323.6	310.5	178.6	178.2	177.9	47
3.7	3.7	3.2	13.0	13.0	12.1	1.4	1.4	1.4	6.6	6.7	6.2	7.6	7.6	7.5	48
1.8	2.0	1.9	9.3	9.2	9.2	(1)	(1)	(1)	9.9	9.9	9.4	4.3	4.3	4.2	49
2.4	2.4	2.4	14.6	14.5	14.6	2.4	2.4	2.4	10.1	10.0	10.4	10.5	11.2	11.0	50
2.0	2.0	1.9	10.8	11.1	10.5	1.4	1.5	1.4	9.1	9.1	8.8	6.9	6.9	6.7	51
2.8	2.7	2.7	9.8	10.0	9.8	(1)	(1)	(1)	9.7	9.7	9.8	4.8	4.8	4.7	52
8.3	8.3	8.2	39.5	40.3	38.6	9.4	9.4	9.2	35.4	35.3	34.1	25.6	25.5	24.9	53
6.3	6.3	6.6	25.9	25.9	25.2	7.5	7.4	6.9	22.2	22.3	21.8	16.6	16.6	16.1	54



# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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## B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1970	July 1970	Aug. 1969	Aug. 1970	July 1970	Aug. 1969	Aug. 1970	July 1970	Aug. 1969	Aug. 1970	July 1970	Aug. 1969
1	MICHIGAN.....	2,917.7	2,915.1	3,026.5	13.2	13.3	13.3	105.3	101.0	123.8	1,044.5	1,039.4	1,155.8
2	Ann Arbor.....	101.2	98.8	101.8	(1)	(1)	(1)	3.3	3.3	3.6	32.4	29.9	37.2
3	Battle Creek.....	58.5	58.7	60.2	(1)	(1)	(1)	2.3	2.3	2.4	25.6	25.8	27.2
4	Bay City.....	29.5	29.5	30.6	(1)	(1)	(1)	1.1	1.1	1.4	11.1	11.1	12.3
5	Detroit.....	1,443.1	1,451.7	1,508.2	1.1	1.2	1.1	49.5	48.2	62.1	532.1	539.4	586.7
6	Flint.....	143.5	132.8	160.9	(1)	(1)	(1)	7.7	6.5	7.2	71.9	61.2	84.8
7	Grand Rapids.....	182.8	181.5	190.1	(1)	(1)	(1)	8.3	8.2	10.5	71.2	70.0	76.6
8	Jackson.....	46.2	46.1	47.5	(1)	(1)	(1)	2.4	2.4	2.5	18.3	18.3	19.8
9	Kalamazoo.....	70.2	69.9	71.7	(1)	(1)	(1)	3.4	3.4	3.6	28.2	27.9	30.2
10	Lansing.....	119.0	124.0	130.8	(1)	(1)	(1)	5.9	5.6	6.6	32.9	37.9	41.8
11	Muskegon-Muskegon Heights.....	50.5	50.7	52.8	(1)	(1)	(1)	1.7	1.7	2.1	25.9	26.0	28.3
12	Saginaw.....	73.6	67.7	74.0	(1)	(1)	(1)	3.3	3.3	4.4	32.3	26.5	33.1
13	MINNESOTA.....	1,320.9	1,311.1	1,325.7	16.0	15.8	15.7	76.7	70.8	80.8	326.4	322.9	344.2
14	Duluth-Superior.....	58.4	57.6	58.2	(1)	(1)	(1)	2.9	2.8	2.8	10.7	10.5	10.8
15	Minneapolis-St. Paul.....	788.4	786.8	791.7	(1)	(1)	(1)	50.6	48.1	46.6	210.7	211.8	224.9
16	MISSISSIPPI.....	577.6	575.1	574.0	6.0	6.0	6.1	38.8	38.2	38.3	180.2	179.6	183.6
17	Jackson.....	89.8	89.6	89.4	.7	.7	.7	5.4	5.8	6.6	13.4	13.3	14.6
18	MISSOURI.....	1,629.7	1,639.4	1,673.0	8.8	8.8	9.3	66.6	67.3	79.0	439.5	440.9	466.8
19	Kansas City.....	498.2	501.9	516.5	.6	.6	.6	13.8	13.5	26.7	125.4	128.5	134.2
20	St. Joseph.....	33.2	32.8	33.0	(3)	(3)	(3)	2.7	2.4	2.5	10.4	10.3	10.3
21	St. Louis.....	901.0	907.9	911.2	2.2	2.2	2.5	43.8	44.6	36.3	273.0	276.3	298.2
22	Springfield.....	57.5	57.0	56.2	.1	.1	.1	3.2	3.4	3.2	16.1	15.3	16.1
23	MONTANA.....	208.7	208.9	206.5	7.4	7.3	6.5	12.2	12.1	12.6	25.2	24.9	24.9
24	Billings.....	28.3	28.4	28.2	(1)	(1)	(1)	1.5	1.5	1.4	2.7	2.8	2.9
25	Great Falls.....	25.6	25.4	25.7	(1)	(1)	(1)	2.2	2.1	2.5	3.0	3.0	3.1
26	NEBRASKA.....	481.2	483.3	472.4	1.9	1.9	1.9	29.5	29.9	29.7	85.1	84.9	88.0
27	Lincoln.....	70.8	71.0	70.2	-	-	-	3.9	3.8	4.6	10.6	10.6	10.9
28	Omaha.....	209.5	211.2	204.2	(3)	(3)	(3)	12.9	12.9	13.3	39.5	39.8	39.2
29	NEVADA.....	200.8	201.0	197.4	4.3	4.3	4.1	11.4	11.0	11.7	8.2	8.2	7.9
30	Las Vegas.....	109.1	109.0	108.5	.2	.2	.2	7.0	6.7	7.1	4.0	4.1	4.0
31	Reno.....	57.6	57.3	53.2	.2	.2	.2	3.6	3.5	3.1	2.9	2.9	2.7
32	NEW HAMPSHIRE.....	273.5	272.2	273.9	.4	.4	.4	14.0	13.9	15.7	93.1	92.7	98.8
33	Manchester.....	50.1	49.8	49.7	(1)	(1)	(1)	2.9	2.9	3.0	16.6	16.3	17.3
34	NEW JERSEY.....	2,614.7	2,629.7	2,627.1	3.4	3.4	3.6	127.0	128.6	125.6	860.3	863.4	907.1
35	Atlantic City.....	71.8	71.2	73.8	-	-	-	4.0	4.0	3.7	10.6	10.8	11.7
36	Camden <sup>5</sup> .....	251.3	250.0	249.2	.1	.1	.1	15.5	15.4	14.2	70.0	68.9	77.8
37	Jersey City <sup>7</sup> .....	268.1	268.7	273.2	-	-	-	8.0	8.3	7.6	109.5	109.5	116.4
38	Newark <sup>7</sup> .....	791.7	799.0	802.0	.9	.9	1.0	33.6	33.8	35.3	243.9	248.0	262.0
39	Paterson-Clifton-Passaic <sup>7</sup> .....	502.2	506.2	497.9	.5	.5	.4	23.7	23.7	23.7	185.3	186.6	192.6
40	Perth Amboy <sup>7</sup> .....	274.6	275.9	270.4	.8	.8	.8	14.8	15.2	14.1	110.7	111.2	116.7
41	Trenton.....	133.1	133.5	132.5	(1)	(1)	(1)	4.7	4.7	3.6	40.3	40.2	41.8
42	NEW MEXICO.....	293.1	293.7	288.5	17.5	17.6	17.6	17.0	17.5	18.4	21.5	21.1	20.4
43	Albuquerque.....	107.3	107.1	105.1	(1)	(1)	(1)	7.6	7.4	7.6	9.3	9.2	8.8
44	NEW YORK.....	7,262.2	7,246.6	7,264.0	8.3	8.3	8.6	290.1	281.2	288.8	1,808.1	1,780.7	1,897.1
45	Albany-Schenectady-Troy.....	277.9	274.4	278.4	(1)	(1)	(1)	15.2	14.9	15.8	60.6	59.5	64.6
46	Binghamton.....	103.5	103.7	105.3	(1)	(1)	(1)	5.1	5.0	4.8	42.8	43.1	45.4
47	Buffalo.....	500.0	495.5	506.6	(1)	(1)	(1)	22.3	21.7	24.3	170.4	165.9	179.5
48	Elmira.....	38.7	38.8	37.9	(1)	(1)	(1)	2.2	2.0	2.0	15.7	15.5	14.7
49	Monroe County <sup>8</sup> .....	304.7	301.6	310.1	(1)	(1)	(1)	11.2	8.2	15.3	132.8	133.1	137.2
50	Nassau and Suffolk Counties <sup>8</sup> .....	720.4	725.6	702.9	(1)	(1)	(1)	43.4	43.5	41.0	148.7	148.8	163.5
51	New York-Northeastern New Jersey.....	(*)	6,772.3	6,746.6	(*)	4.8	4.9	(*)	256.7	254.7	(*)	1,683.6	1,786.7
52	New York SMSA <sup>7</sup> .....	4,928.9	4,923.4	4,903.0	2.6	2.7	2.6	176.8	175.7	174.1	1,047.7	1,026.8	1,099.0
53	New York City <sup>9</sup> .....	3,840.6	3,825.2	3,831.4	2.1	2.1	2.0	109.2	108.4	108.0	810.9	786.1	839.7
54	Rochester.....	347.3	342.1	352.3	(1)	(1)	(1)	13.2	9.7	17.4	147.0	145.7	151.8
55	Rockland County.....	61.5	62.1	59.8	(1)	(1)	(1)	4.0	4.0	4.3	15.2	15.3	16.1
56	Syracuse.....	223.3	222.7	228.2	(1)	(1)	(1)	12.1	10.6	13.3	62.2	62.7	68.6
57	Utica-Rome.....	114.9	115.0	116.0	(1)	(1)	(1)	4.2	4.1	4.3	40.8	40.6	42.5
58	Westchester County <sup>3</sup> .....	306.3	310.5	308.8	(1)	(1)	(1)	20.2	19.8	20.7	72.9	76.6	79.7

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		
Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969
151.4	152.3	153.4	577.6	577.6	579.3	117.5	117.4	116.2	403.1	404.7	398.7	505.1	509.5	485.9
2.7	2.7	2.7	14.1	14.2	12.6	2.2	2.2	2.2	11.1	11.1	10.5	35.3	35.3	32.9
2.7	2.7	2.6	9.2	9.2	9.2	3.1	3.1	3.3	7.8	7.8	7.7	7.9	7.9	7.8
1.7	1.7	1.6	6.9	6.9	6.9	.8	.8	.8	3.8	3.8	3.7	4.1	4.1	3.8
80.3	80.9	80.8	287.2	289.2	288.5	68.6	68.7	67.6	212.3	212.3	214.8	211.9	211.9	206.5
4.8	5.0	5.8	20.5	20.8	23.9	4.3	4.3	4.3	16.1	16.2	16.3	18.2	18.8	18.7
9.9	9.9	10.3	41.9	42.0	42.0	7.4	7.4	7.4	26.3	26.3	26.3	17.8	17.8	17.0
4.3	4.3	4.3	8.6	8.6	8.4	1.4	1.4	1.4	5.1	5.1	5.0	6.2	6.2	6.1
2.3	2.3	2.5	13.3	13.3	13.1	2.2	2.3	2.2	9.2	9.2	9.0	11.6	11.6	11.1
3.3	3.5	3.5	20.1	19.5	20.9	5.2	5.2	5.1	15.7	16.1	15.6	35.9	36.1	37.3
2.7	2.7	2.8	8.2	8.2	8.1	1.3	1.3	1.3	5.4	5.4	5.3	5.3	5.4	4.8
4.7	4.7	4.6	13.2	13.3	13.2	2.8	2.8	2.7	9.0	9.0	8.7	8.2	8.2	7.3
87.0	86.9	89.4	312.5	313.3	309.5	65.4	65.3	63.6	212.9	210.7	207.5	224.0	225.4	215.0
8.2	8.0	8.4	13.4	13.3	13.6	2.0	2.0	2.0	11.4	11.3	11.0	9.8	9.7	9.6
54.0	54.4	57.8	185.4	186.3	185.4	48.5	48.5	47.1	140.7	138.9	134.1	98.5	98.8	95.8
31.4	31.3	30.3	107.7	107.4	104.8	20.8	20.8	19.9	68.0	68.2	67.5	124.8	123.6	123.3
5.6	5.6	5.7	22.2	22.3	20.7	7.0	7.0	6.7	15.2	15.2	15.1	20.3	19.7	19.3
125.6	126.9	126.5	367.9	368.4	377.1	90.4	90.6	90.1	258.4	259.1	257.4	272.5	277.4	266.8
51.3	51.5	50.4	124.2	124.4	124.7	33.4	33.5	32.6	82.1	82.0	81.0	67.4	67.9	66.3
2.1	2.1	2.1	7.8	7.7	7.9	1.3	1.3	1.3	4.7	4.8	4.8	4.2	4.2	4.1
68.1	69.1	69.0	196.0	195.3	192.0	48.6	48.5	47.9	149.9	151.2	147.9	119.4	120.7	117.4
4.4	4.4	4.4	14.9	14.7	13.4	2.1	2.1	2.3	9.3	9.3	9.5	7.4	7.7	7.1
17.8	17.7	18.1	48.9	48.9	49.1	8.0	8.0	7.9	35.5	35.1	34.6	53.7	54.9	52.8
2.7	2.7	2.8	9.0	9.0	8.9	1.5	1.5	1.5	6.0	6.0	5.8	4.9	4.9	4.9
2.2	2.2	2.1	6.4	6.6	6.5	1.4	1.4	1.5	5.1	5.0	4.9	5.3	5.1	5.1
37.8	38.0	37.6	122.2	122.4	117.7	29.7	29.8	28.5	80.2	80.3	77.8	94.7	96.0	91.3
5.0	5.0	5.1	14.6	14.6	14.7	5.4	5.5	5.2	11.9	11.8	11.0	19.4	19.6	18.6
21.0	21.2	21.3	53.5	53.3	51.3	17.1	17.1	16.4	36.6	37.1	35.2	28.9	29.6	27.6
14.2	14.1	13.7	39.5	39.3	36.8	7.5	7.5	7.3	78.5	79.2	80.5	37.2	37.4	35.4
7.5	7.4	7.0	21.4	21.4	19.7	3.8	3.8	3.6	48.7	49.0	51.5	16.5	16.4	15.4
4.9	4.8	4.7	13.1	12.8	11.6	3.1	3.1	3.0	20.2	20.4	18.7	9.6	9.6	9.2
11.5	11.5	11.3	52.6	52.5	50.1	11.3	11.3	10.5	54.5	53.8	52.6	36.1	36.1	34.5
3.7	3.7	3.5	11.7	11.8	11.4	3.1	3.0	2.8	8.1	8.1	7.8	4.0	4.0	3.9
182.5	182.7	178.9	533.2	537.9	526.6	124.0	123.4	117.2	425.8	427.6	416.9	358.5	362.7	351.2
4.0	4.0	3.7	21.1	21.2	22.1	3.0	3.0	2.9	17.9	17.0	18.9	11.2	11.2	10.8
13.9	13.8	13.3	58.9	58.5	55.1	9.2	9.2	8.8	39.0	38.9	38.1	44.7	45.2	41.8
37.1	37.2	37.2	43.5	43.6	41.4	10.1	10.1	9.6	30.2	30.3	31.6	29.7	29.7	29.4
62.1	62.7	62.1	151.8	152.9	151.1	59.4	58.9	55.9	138.5	139.6	135.6	101.5	102.2	99.0
25.9	25.7	25.2	120.4	121.9	114.3	19.2	19.1	18.1	76.2	76.5	75.2	51.0	52.2	48.4
14.5	14.6	13.4	53.0	53.1	49.9	5.8	5.8	5.7	32.0	32.1	30.2	43.0	43.1	39.6
7.0	7.0	6.9	20.8	21.0	20.1	5.0	5.0	4.7	27.4	27.7	27.5	27.9	27.9	27.9
20.2	20.2	19.7	62.2	61.9	60.6	12.8	12.7	11.6	55.2	55.3	56.3	86.7	87.4	83.9
6.7	6.7	6.4	26.5	26.3	25.5	6.7	6.5	6.4	25.4	25.6	25.5	25.1	25.4	24.9
514.3	516.8	509.2	1,436.3	1,445.1	1,429.1	611.7	605.5	610.9	1,384.3	1,389.0	1,351.6	1,209.2	1,220.0	1,168.5
15.9	15.9	15.8	54.6	54.0	53.3	11.1	11.1	10.9	47.1	46.5	46.6	73.5	72.6	71.3
4.6	4.5	4.6	17.8	17.8	17.5	3.2	3.2	3.1	12.0	12.2	12.4	17.9	17.9	17.5
33.4	33.4	32.6	100.4	100.9	101.4	19.7	19.7	19.2	77.8	77.5	75.3	76.0	76.4	74.3
1.7	1.7	1.6	7.4	7.4	7.7	1.1	1.1	1.0	6.0	6.0	5.9	4.7	5.1	4.9
10.9	10.8	11.8	52.1	52.5	53.2	11.6	11.7	11.1	50.4	49.9	47.2	35.8	35.5	34.4
32.8	32.8	30.0	184.9	187.2	178.3	32.3	32.2	30.5	137.3	138.3	129.4	141.0	142.7	130.2
(*)	535.4	523.8	(*)	1,376.3	1,347.9	(*)	609.8	614.3	(*)	1,290.9	1,253.2	(*)	1,014.8	961.1
392.8	395.0	385.9	994.1	1,004.2	991.1	522.3	516.1	524.9	1,008.0	1,012.9	980.7	784.5	790.0	744.6
337.9	339.7	335.4	732.6	739.9	735.5	474.0	467.7	478.6	791.9	795.8	774.4	582.0	585.5	557.8
12.7	12.6	13.5	59.5	59.8	60.6	12.4	12.5	11.9	54.4	54.0	51.5	48.1	47.8	45.6
3.1	3.1	3.0	10.7	10.9	10.3	1.9	1.9	1.9	10.4	10.4	10.0	16.2	16.5	14.3
14.3	14.3	14.6	49.6	49.6	48.9	12.5	12.5	11.7	35.6	36.0	35.7	36.9	36.9	35.5
5.6	5.6	5.4	18.8	18.8	18.6	4.7	4.7	4.6	15.5	15.4	15.0	25.3	25.8	25.6
19.1	19.4	17.5	65.8	66.1	67.1	14.2	14.3	14.0	69.0	69.1	67.5	45.2	45.3	42.4

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-7: Employees on nonagricultural payrolls**

(In thousands)

State and area	TOTAL			Mining			Contract construction			Manufacturing		
	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969
1 NORTH CAROLINA	1,734.4	1,731.7	1,736.8	3.7	3.8	3.5	97.8	102.1	100.7	700.9	691.2	721.7
2 Asheville	-	-	-	-	-	-	-	-	-	18.7	18.8	20.2
3 Charlotte	177.4	177.8	177.7	(1)	(1)	(1)	11.4	11.8	13.0	41.3	41.6	42.2
4 Greensboro-Winston-Salem-High Point	257.3	255.7	256.9	(1)	(1)	(1)	14.7	14.7	14.5	111.6	109.8	114.6
5 Raleigh	-	-	-	-	-	-	-	-	-	13.9	13.8	14.6
6 NORTH DAKOTA	164.3	165.0	160.3	1.9	1.9	2.0	11.9	11.5	10.3	9.4	9.4	9.1
7 Fargo-Moorhead	40.8	41.6	40.0	(1)	(1)	(1)	3.2	3.2	3.5	3.0	2.9	2.9
8 OHIO	3,919.2	3,925.0	3,913.5	21.5	21.5	20.2	197.9	193.5	199.8	1,409.1	1,411.4	1,482.7
9 Akron	247.4	247.9	241.8	.3	.3	.3	10.4	10.5	10.7	99.3	98.6	97.3
10 Canton	138.9	138.4	137.3	.4	.4	.4	6.0	6.1	6.2	61.6	61.0	62.9
11 Cincinnati	509.4	513.6	503.4	.4	.4	.4	24.6	24.3	25.3	167.3	169.7	175.1
12 Cleveland	863.2	872.4	876.7	1.8	1.8	1.6	41.4	39.4	42.1	288.6	297.3	318.4
13 Columbus	381.6	379.5	372.3	.8	.9	.8	20.8	20.5	21.2	91.3	89.8	93.4
14 Dayton	334.2	335.9	334.9	.5	.5	.5	14.9	14.6	15.1	128.1	128.3	134.0
15 Toledo	242.7	244.2	238.3	.3	.4	.3	10.7	11.0	11.0	83.3	82.9	85.1
16 Youngstown-Warren	201.1	197.5	200.6	.3	.3	.3	10.8	10.6	10.7	90.0	86.4	94.1
17 OKLAHOMA	762.0	763.3	757.9	38.8	39.1	40.8	39.2	39.6	39.7	134.6	134.2	133.7
18 Oklahoma City	253.8	254.1	250.3	6.6	6.7	6.9	14.0	14.0	13.5	38.3	38.4	35.8
19 Tulsa	179.8	179.4	181.4	13.2	13.2	13.9	9.1	9.1	9.5	43.5	43.3	45.5
20 OREGON	719.5	707.5	723.4	1.6	1.4	1.7	30.6	30.0	37.4	182.8	175.5	193.3
21 Eugene	68.3	66.7	69.7	(1)	(1)	(1)	3.5	3.3	3.6	20.0	19.0	20.8
22 Portland	381.4	377.9	389.2	(1)	(1)	(1)	17.9	17.6	22.4	87.8	86.2	96.7
23 Salem	59.3	53.9	59.1	(1)	(1)	(1)	2.4	2.5	2.8	15.9	11.2	16.8
24 PENNSYLVANIA	4,365.7	4,372.1	4,415.6	40.8	40.2	39.4	226.4	224.6	224.2	1,521.4	1,521.5	1,604.4
25 Allentown-Bethlehem-Easton	216.8	216.4	216.0	.5	.5	.5	8.9	9.1	7.5	105.6	104.7	107.5
26 Altoona	48.8	48.7	48.9	(1)	(1)	(1)	2.3	2.2	2.3	15.9	15.9	16.1
27 Delaware Valley 6 10	1,550.7	1,556.9	1,565.0	1.2	1.2	1.1	79.4	79.1	78.6	479.5	480.2	506.5
28 Erie	98.7	99.2	98.5	(1)	(1)	(1)	4.8	4.9	5.1	43.5	43.7	44.5
29 Harrisburg	174.2	174.6	176.0	(1)	(1)	(1)	9.5	9.1	10.1	39.7	40.0	40.7
30 Johnstown	81.4	81.8	81.8	5.1	5.0	5.0	4.1	4.0	3.7	25.4	25.9	27.0
31 Lancaster	121.5	121.3	119.5	(1)	(1)	(1)	6.9	6.9	6.4	56.2	56.0	57.1
32 Philadelphia	1,802.0	1,806.9	1,814.1	1.3	1.3	1.3	94.9	94.5	92.8	549.3	549.1	584.1
33 Pittsburgh	872.1	871.7	883.4	9.4	9.3	9.0	52.1	50.3	50.5	276.9	277.9	294.5
34 Reading	122.2	121.8	124.6	(1)	(1)	(1)	5.1	5.1	4.8	56.5	55.9	60.1
35 Scranton	86.9	86.1	88.0	.4	.4	.5	3.1	3.1	2.9	32.8	31.9	35.9
36 Wilkes-Barre-Hazleton	121.9	121.2	124.0	2.2	2.2	2.4	5.9	5.8	5.9	50.5	50.5	53.8
37 York	132.8	133.1	132.7	(1)	(1)	(1)	9.4	9.0	8.9	62.3	62.1	63.3
38 RHODE ISLAND	332.9	334.0	346.0	(1)	(1)	(1)	16.2	16.7	15.0	115.7	116.3	128.0
39 Providence-Pawtucket-Warwick	345.3	345.8	356.8	(1)	(1)	(1)	16.1	16.7	15.5	132.8	132.6	143.0
40 SOUTH CAROLINA	809.0	813.3	813.5	1.7	1.7	1.7	51.2	52.1	51.0	330.5	330.4	342.8
41 Charleston	84.9	86.9	88.9	(1)	(1)	(1)	5.6	5.7	6.4	14.4	15.3	16.1
42 Columbia	105.9	106.9	105.3	(1)	(1)	(1)	7.5	7.4	7.7	19.5	19.9	20.0
43 Greenville	123.1	123.3	123.5	(1)	(1)	(1)	10.2	10.3	10.0	54.5	54.8	56.0
44 SOUTH DAKOTA	177.5	176.9	175.5	2.3	2.3	2.3	9.6	9.2	10.1	15.9	16.0	16.2
45 Sioux Falls	34.9	34.7	34.5	(1)	(1)	(1)	2.2	2.0	2.2	6.1	6.2	6.1
46 TENNESSEE	1,315.8	1,314.0	1,322.9	7.7	7.6	7.3	66.0	66.6	71.9	457.6	457.1	477.0
47 Chattanooga	122.4	121.7	127.0	.3	.3	.3	5.3	5.3	5.8	49.5	49.4	54.5
48 Knoxville	147.1	148.5	150.5	1.9	1.9	1.8	4.6	5.0	8.0	47.6	48.5	49.9
49 Memphis	274.6	273.2	274.9	.3	.3	.3	15.9	15.6	15.6	58.5	58.6	63.7
50 Nashville	220.9	221.4	218.6	(1)	(1)	(1)	13.9	14.0	14.7	62.6	62.2	61.8
51 TEXAS	3,733.0	3,732.0	3,657.5	104.5	104.7	107.4	248.3	248.1	241.6	727.7	732.5	766.2
52 Amarillo	-	-	-	-	-	-	-	-	-	7.3	7.3	6.5
53 Austin	-	-	-	-	-	-	-	-	-	11.8	11.6	11.2
54 Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	37.2	36.8	38.0
55 Corpus Christi	-	-	-	-	-	-	-	-	-	11.7	11.7	11.6

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			
Aug.-p 1970	July 1970	Aug. 1969	Aug.-p 1970	July 1970	Aug. 1969	Aug.-p 1970	July 1970	Aug. 1969	Aug.-p 1970	July 1970	Aug. 1969	Aug. p 1970	July 1970	Aug. 1969	
93.6	93.2	91.3	308.4	307.8	308.4	71.9	72.3	68.7	209.9	210.6	206.3	248.2	250.7	236.2	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.8	18.6	18.7	46.0	46.1	45.5	12.4	12.4	12.3	27.3	27.2	26.9	20.2	20.1	19.1	3
16.2	16.0	15.3	46.4	46.0	45.7	12.4	12.4	12.1	30.2	30.5	29.8	25.8	26.3	24.9	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
12.1	12.2	12.4	44.6	44.9	44.5	7.1	7.1	7.0	28.8	28.7	28.6	48.5	49.5	46.4	6
3.4	3.4	3.2	12.3	12.3	12.3	2.4	2.4	2.3	8.2	8.3	7.6	8.3	9.0	8.0	7
237.9	238.1	227.2	783.2	785.1	762.8	161.8	161.4	155.3	574.3	575.9	545.5	533.5	538.2	520.0	8
15.6	15.7	14.8	49.3	49.6	48.3	7.0	7.0	6.8	34.5	35.0	33.0	31.1	31.2	30.6	9
7.1	7.1	6.9	27.2	27.1	26.0	4.9	4.9	4.7	19.1	19.3	18.2	12.5	12.6	12.1	10
37.7	37.5	35.9	108.0	108.2	104.5	26.8	26.8	26.0	80.7	81.0	75.9	63.9	65.6	60.3	11
56.0	56.0	53.6	186.1	186.4	181.3	43.9	43.8	41.7	138.3	138.9	131.5	107.2	108.8	106.5	12
22.8	22.8	21.3	80.1	79.6	77.8	26.3	26.4	24.9	64.6	64.8	60.6	74.9	74.7	72.4	13
13.1	13.0	12.8	61.2	61.8	58.7	10.2	10.2	9.5	49.6	49.8	47.8	56.6	57.7	56.4	14
18.3	18.3	17.5	53.1	53.0	51.8	8.4	8.3	8.0	38.4	38.8	36.5	30.2	31.5	28.0	15
10.2	10.2	9.7	38.1	38.1	36.0	5.9	5.9	5.6	26.7	26.7	25.3	19.0	19.3	18.8	16
53.8	53.9	54.0	167.7	168.3	165.9	37.1	37.2	36.4	110.3	110.4	108.9	180.5	180.6	178.5	17
17.5	17.6	17.4	57.3	57.1	56.2	15.9	15.9	15.7	38.0	38.1	37.2	66.2	66.3	67.6	18
16.5	16.5	16.8	39.6	39.5	40.3	9.6	9.7	9.2	30.3	30.3	29.0	18.0	17.8	17.2	19
50.0	49.6	50.1	165.0	162.9	161.8	35.8	35.9	35.4	112.9	111.5	110.0	140.8	140.7	133.7	20
4.2	4.2	4.3	13.4	13.2	14.5	2.9	2.9	2.9	9.5	9.4	9.3	14.8	14.7	14.3	21
31.4	31.2	31.7	93.0	92.6	93.5	24.4	24.5	24.2	68.2	67.3	65.2	58.7	58.5	55.5	22
2.0	1.9	1.8	11.4	11.0	10.6	3.1	3.1	3.1	7.6	7.6	7.4	16.9	16.6	16.6	23
275.3	274.6	268.7	807.8	809.7	815.5	194.8	195.1	188.0	699.2	701.5	683.3	600.0	604.9	592.1	24
12.5	12.4	12.0	35.1	35.1	35.4	6.9	6.9	6.6	27.7	27.7	27.3	19.6	20.0	19.2	25
7.5	7.6	7.7	8.7	8.6	8.5	1.2	1.2	1.2	7.0	7.0	7.1	6.2	6.2	6.0	26
97.7	97.7	95.9	301.5	303.9	303.7	94.6	94.7	92.6	279.8	281.3	271.8	217.0	218.8	214.8	27
5.5	5.5	5.5	17.6	17.6	17.1	3.7	3.7	3.6	13.6	13.6	13.1	10.0	10.2	9.6	28
13.7	13.7	13.6	32.3	32.5	33.2	8.9	8.9	8.6	26.1	26.1	26.1	44.0	44.3	43.7	29
4.9	4.9	4.7	13.9	14.0	14.1	2.2	2.2	2.3	13.7	13.5	13.2	12.1	12.3	11.8	30
5.3	5.4	5.3	23.6	23.4	22.0	3.0	3.0	2.8	17.2	17.2	16.9	9.3	9.4	9.0	31
111.6	111.5	109.2	360.4	362.4	358.8	103.9	103.9	101.4	318.8	320.2	309.9	261.8	264.0	256.6	32
61.1	60.8	59.6	174.3	174.9	174.8	38.7	39.0	37.5	161.1	160.4	156.2	98.5	99.1	101.3	33
6.5	6.5	6.5	19.6	19.6	19.3	4.9	4.9	4.8	17.1	17.0	16.8	12.5	12.8	12.3	34
5.3	5.3	5.3	17.6	17.7	17.7	2.7	2.6	2.6	14.6	14.7	13.4	10.4	10.4	9.7	35
7.0	7.0	6.8	21.4	21.4	20.9	4.3	4.2	4.0	14.9	14.8	15.3	15.7	15.3	14.9	36
6.0	6.0	5.7	24.2	24.8	23.9	3.0	3.0	2.8	15.0	15.2	15.1	12.9	13.0	13.0	37
15.5	15.7	15.6	64.2	63.7	65.5	15.2	15.2	15.3	54.2	54.3	54.1	51.9	52.1	52.5	38
15.1	15.3	15.2	64.7	64.2	66.0	15.2	15.2	15.4	53.1	53.2	52.9	48.3	48.6	48.8	39
37.4	37.5	36.2	136.3	135.6	138.2	29.4	29.5	29.1	83.4	83.3	84.8	139.1	143.2	129.7	40
5.6	5.7	5.4	17.0	16.9	17.0	3.5	3.5	3.5	10.2	10.3	10.4	28.6	29.5	30.1	41
7.0	7.1	7.1	22.4	22.6	22.4	6.7	6.7	6.4	14.2	14.2	14.0	28.6	29.0	27.7	42
4.7	4.8	4.7	21.4	21.1	21.4	4.9	4.9	4.8	12.7	12.7	13.1	14.7	14.7	13.5	43
10.3	10.3	10.5	47.8	47.5	46.0	7.6	7.7	7.4	31.8	31.6	31.0	52.2	52.3	52.0	44
3.4	3.4	3.0	10.2	10.2	10.2	2.1	2.1	2.1	6.3	6.4	6.5	4.6	4.5	4.4	45
66.8	66.9	66.5	260.8	260.8	256.5	58.2	58.1	55.8	178.2	177.9	178.1	220.5	219.0	209.8	46
6.3	6.2	6.6	22.8	22.7	22.9	7.4	7.4	7.2	16.3	16.2	15.7	14.5	14.2	14.0	47
7.1	7.0	6.7	32.0	32.0	32.3	4.9	4.8	4.9	20.1	20.2	19.7	28.9	29.1	27.2	48
20.2	20.3	20.1	68.5	68.6	68.5	15.0	15.0	14.9	46.2	46.9	44.8	50.0	47.9	47.0	49
13.5	13.5	13.1	46.9	47.3	47.8	14.4	14.3	13.8	36.1	36.3	35.1	33.5	33.8	32.3	50
273.7	273.1	259.7	902.2	897.4	861.2	197.6	197.4	189.3	633.3	629.2	599.5	645.7	649.6	632.6	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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## B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969
	<b>TEXAS (continued)</b>												
1	Dallas . . . . .	664.2	668.5	653.2	7.8	7.8	8.0	41.6	42.3	40.5	154.5	157.3	177.2
2	El Paso . . . . .	-	-	-	-	-	-	-	-	-	24.3	24.4	23.4
3	Fort Worth . . . . .	265.4	264.9	267.5	1.8	1.9	1.9	11.5	9.4	13.8	89.0	90.0	94.0
4	Galveston-Texas City . . . . .	-	-	-	-	-	-	-	-	-	12.1	12.2	12.1
5	Houston . . . . .	780.7	780.4	750.0	31.4	31.1	29.4	76.2	76.8	71.8	144.2	144.6	144.9
6	Lubbock . . . . .	-	-	-	-	-	-	-	-	-	6.4	6.3	7.1
7	San Antonio . . . . .	258.4	259.3	259.0	1.3	1.3	1.4	14.7	14.7	16.6	32.6	33.4	33.6
8	Waco . . . . .	-	-	-	-	-	-	-	-	-	(*)	12.8	13.6
9	Wichita Falls . . . . .	-	-	-	-	-	-	-	-	-	4.6	4.5	4.6
10	<b>UTAH . . . . .</b>	364.2	362.1	354.2	13.2	13.1	12.9	18.5	17.8	16.7	55.3	55.0	55.6
11	Salt Lake City . . . . .	190.8	189.9	186.9	7.8	7.8	7.8	9.5	9.1	8.9	28.9	28.9	29.4
12	<b>VERMONT . . . . .</b>	153.1	152.5	152.5	1.0	1.0	1.1	11.8	11.7	11.2	41.1	40.8	44.3
13	Burlington <sup>11</sup> . . . . .	39.0	39.0	38.4	-	-	-	-	-	-	10.8	10.9	11.1
14	Springfield <sup>11</sup> . . . . .	12.5	12.7	13.7	-	-	-	-	-	-	5.3	5.4	6.9
15	<b>VIRGINIA<sup>4</sup> . . . . .</b>	1,455.1	1,452.9	1,444.1	15.7	15.3	14.7	101.4	102.1	102.1	363.4	360.3	370.8
16	Lynchburg . . . . .	53.1	53.5	50.6	(1)	(1)	(1)	3.2	3.3	2.9	24.4	24.6	23.9
17	Newport News-Hampton . . . . .	96.3	96.7	97.6	(1)	(1)	(1)	6.0	5.9	5.7	24.5	24.6	27.2
18	Norfolk-Portsmouth . . . . .	200.2	199.7	200.1	(1)	(1)	(1)	13.9	14.1	14.0	19.8	19.9	20.1
19	Northern Virginia <sup>12</sup> . . . . .	265.4	265.3	254.7	.4	.4	.4	22.5	22.7	23.7	8.9	9.0	9.6
20	Richmond . . . . .	236.0	235.9	232.4	.2	.2	.2	15.7	16.1	16.1	51.7	51.2	52.7
21	Roanoke . . . . .	82.5	82.9	81.4	.1	.1	.1	5.6	5.4	5.6	19.5	19.7	19.3
22	<b>WASHINGTON . . . . .</b>	1,086.8	1,085.2	1,138.0	1.9	1.8	1.7	59.8	59.6	66.3	241.9	240.3	288.6
23	Seattle-Everett . . . . .	522.6	526.1	565.3	(1)	(1)	(1)	27.6	27.6	33.2	125.1	127.2	163.4
24	Spokane . . . . .	89.0	88.4	88.7	(1)	(1)	(1)	5.7	5.1	5.5	12.3	12.6	13.7
25	Tacoma . . . . .	108.0	108.2	110.0	(1)	(1)	(1)	5.3	5.2	7.0	20.3	20.3	21.4
26	<b>WEST VIRGINIA . . . . .</b>	514.3	515.8	518.3	49.0	48.8	47.6	25.5	25.3	28.1	127.3	126.6	132.7
27	Charleston . . . . .	80.9	81.4	83.1	4.1	4.1	3.6	3.7	3.7	4.7	17.4	17.5	18.4
28	Huntington-Ashland . . . . .	82.0	81.9	81.7	.5	.5	.5	3.5	3.4	3.7	26.9	26.8	26.9
29	Wheeling . . . . .	58.8	58.5	57.6	5.2	5.1	4.2	3.1	3.1	3.8	15.9	15.6	15.7
30	<b>WISCONSIN . . . . .</b>	1,549.0	1,550.0	1,547.0	3.0	3.0	3.0	65.7	66.4	74.2	509.2	507.1	537.0
31	Green Bay . . . . .	56.2	55.3	54.9	(1)	(1)	(1)	2.2	2.3	2.9	18.5	17.8	17.7
32	Kenosha . . . . .	34.2	34.7	32.1	(1)	(1)	(1)	1.2	1.2	1.5	15.8	16.1	14.2
33	La Crosse . . . . .	29.1	29.4	29.8	(1)	(1)	(1)	1.2	1.2	1.5	8.2	8.4	9.2
34	Madison . . . . .	121.5	120.8	118.0	(1)	(1)	(1)	7.4	7.3	7.3	16.7	16.3	17.4
35	Milwaukee . . . . .	571.4	574.0	573.3	(1)	(1)	(1)	22.8	22.7	25.8	203.1	205.1	214.8
36	Racine . . . . .	54.4	54.4	56.5	(1)	(1)	(1)	1.8	1.7	2.0	24.3	24.3	26.6
37	<b>WYOMING . . . . .</b>	115.8	115.8	114.8	11.7	11.7	12.3	7.0	7.0	8.5	7.2	7.3	7.2
38	Casper . . . . .	19.6	19.8	20.6	4.5	4.4	4.5	1.1	1.2	1.3	1.4	1.4	1.4
39	Cheyenne . . . . .	18.9	19.1	18.6	(1)	(1)	(1)	1.0	1.1	1.2	1.3	1.3	1.1

- <sup>1</sup> Combined with services.
- <sup>2</sup> Revised to 1970 benchmark; not strictly comparable with previously published data.
- <sup>3</sup> Combined with construction.
- <sup>4</sup> Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area
- <sup>5</sup> included in data for the District of Columbia.
- <sup>6</sup> Area included in Chicago-Northwestern Indiana Standard Consolidated Area.
- <sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
- <sup>8</sup> Area included in New York-Northeastern New Jersey Standard Consolidated Area.
- <sup>9</sup> Subarea of Rochester Standard Metropolitan Statistical Area.
- <sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.
- <sup>11</sup> Initial inclusion in this publication. (See area definition on opposite page.)
- <sup>12</sup> Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
- <sup>13</sup> 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			
Aug. 1970P	July 1970	Aug. 1969	Aug. 1970P	July 1970	Aug. 1969	Aug. 1970P	July 1970	Aug. 1969	Aug. 1970P	July 1970	Aug. 1969	Aug. 1970P	July 1970	Aug. 1969	
54.2	54.3	52.8	180.0	179.7	169.0	56.8	56.8	52.9	103.2	103.3	95.5	66.3	66.9	57.3	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
15.8	15.8	15.7	63.2	63.2	60.7	12.2	12.4	11.9	38.7	38.7	38.0	33.2	33.5	31.5	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
69.5	68.6	67.2	190.0	189.5	180.5	41.8	41.9	39.4	146.5	146.0	138.1	81.1	81.9	78.7	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
11.0	11.0	11.4	63.6	63.4	62.3	16.5	16.5	16.1	45.4	45.6	45.1	73.3	73.4	72.5	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.9	23.8	23.7	81.9	80.5	79.2	15.7	15.6	14.7	60.0	59.4	55.7	95.7	97.0	95.8	10
16.2	16.1	15.6	50.5	49.8	49.7	11.4	11.3	11.2	33.3	32.8	31.5	33.2	34.1	33.0	11
8.4	8.4	8.0	28.6	28.5	28.1	5.6	5.5	5.3	32.1	32.0	31.1	24.6	24.8	23.5	12
2.0	2.0	1.9	7.5	7.4	7.2	-	-	-	7.8	7.7	7.6	-	-	-	13
.9	.9	.9	1.9	1.9	1.9	-	-	-	1.8	1.8	1.7	-	-	-	14
100.7	100.9	96.8	303.1	302.3	297.3	70.8	71.0	67.2	212.5	212.7	212.0	287.5	288.3	283.2	15
2.5	2.6	2.4	9.0	8.9	8.2	2.1	2.1	2.0	6.4	6.5	5.9	5.5	5.5	5.3	16
4.5	4.4	4.2	17.5	17.5	16.2	3.0	3.1	2.9	12.9	13.0	12.2	27.9	28.2	29.2	17
16.5	16.6	16.8	50.2	49.6	48.7	9.7	9.7	9.3	31.3	30.9	30.8	58.8	58.9	60.4	18
20.9	21.0	20.0	61.2	61.5	59.6	16.5	16.6	15.5	44.2	44.4	44.9	90.8	89.7	81.0	19
18.7	18.7	18.0	53.7	53.6	52.3	18.6	18.5	18.1	34.7	34.8	34.0	42.7	42.8	41.0	20
11.1	11.3	10.7	19.4	19.4	18.9	4.2	4.3	4.1	12.8	12.9	12.8	9.8	9.8	9.9	21
74.9	74.8	75.5	246.6	245.2	251.9	58.9	59.6	59.9	173.4	172.9	170.9	229.4	231.0	223.2	22
40.0	39.9	40.8	122.7	122.6	124.8	36.6	36.6	36.4	84.9	85.2	85.1	85.7	87.0	81.6	23
7.7	7.5	7.8	23.6	23.0	23.4	5.3	5.4	5.1	18.0	18.0	17.8	16.4	16.8	15.4	24
6.9	7.0	7.1	24.3	24.1	24.1	6.3	6.3	6.2	19.1	19.4	18.6	25.8	25.9	25.6	25
42.7	42.8	42.1	94.1	93.9	93.7	15.7	15.6	15.3	65.8	65.8	65.3	94.1	97.0	93.4	26
9.0	9.0	8.9	18.7	18.7	18.9	4.1	4.1	3.9	11.5	11.6	11.6	12.3	12.6	13.1	27
8.4	8.4	8.1	17.8	17.7	17.7	2.9	2.9	2.8	10.0	10.0	10.2	12.1	12.1	11.7	28
3.8	3.8	3.7	12.6	12.6	12.9	2.2	2.2	2.1	9.1	9.1	8.6	6.9	7.0	6.7	29
80.4	80.8	80.3	341.8	341.3	325.9	62.9	63.2	60.3	231.0	230.6	222.0	255.0	257.6	244.3	30
4.8	4.7	4.5	14.0	14.0	13.8	1.5	1.5	1.4	8.3	8.3	8.1	6.8	6.7	6.4	31
1.2	1.3	1.1	6.3	6.4	6.0	.7	.7	.7	4.7	4.6	4.6	4.3	4.5	4.1	32
2.2	2.2	2.2	7.1	7.1	6.9	.7	.7	.6	5.6	5.7	5.4	4.0	4.2	4.0	33
6.0	6.0	5.5	24.9	24.8	23.3	6.8	6.7	6.3	18.0	18.0	16.9	41.8	41.8	41.3	34
31.3	31.4	31.2	125.4	125.6	119.6	29.4	29.4	28.4	87.1	87.3	84.7	72.3	72.4	68.7	35
1.9	1.9	2.1	10.0	10.0	9.6	1.4	1.4	1.5	8.0	8.0	7.9	6.9	7.1	6.8	36
11.7	11.6	11.7	25.4	25.0	25.9	3.8	3.8	3.6	19.4	19.6	18.3	29.6	29.8	27.3	37
1.4	1.3	1.6	4.5	4.6	4.8	.9	.9	.9	2.4	2.4	2.6	3.4	3.6	3.5	38
2.4	2.4	2.6	4.2	4.3	3.9	1.2	1.1	1.0	3.3	3.4	3.5	5.5	5.5	5.3	39

New area definition:

Delaware Valley, Pennsylvania---Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

Advertisement on page 72 omitted.

## ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

C-1: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, 1947 to date

Year and month	Average			Average			Average			Average		
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings
	Total private <sup>1</sup>			Mining			Contract construction			Manufacturing		
1947.....	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948.....	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949.....	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950.....	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951.....	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952.....	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953.....	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954.....	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955.....	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 <sup>2</sup> .....	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960.....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962.....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969.....	114.61	37.7	3.04	154.80	43.0	3.60	181.16	37.9	4.78	129.51	40.6	3.19
1969: September.....	117.87	37.9	3.11	158.41	43.4	3.65	193.36	39.3	4.92	132.84	41.0	3.24
October.....	117.31	37.6	3.12	159.78	43.3	3.69	189.97	38.3	4.96	132.28	40.7	3.25
November.....	117.38	37.5	3.13	161.08	43.3	3.72	184.39	37.1	4.97	132.36	40.6	3.26
December.....	117.62	37.7	3.12	160.64	43.3	3.71	189.13	37.6	5.03	134.89	41.0	3.29
1970: January.....	116.12	37.1	3.13	159.05	42.3	3.76	181.00	35.7	5.07	131.93	40.1	3.29
February.....	116.55	37.0	3.15	160.60	42.6	3.77	186.21	36.8	5.06	130.94	39.8	3.29
March.....	117.92	37.2	3.17	160.27	42.4	3.78	188.23	37.2	5.06	132.40	40.0	3.31
April.....	117.34	36.9	3.18	163.35	43.1	3.79	192.91	37.9	5.09	131.80	39.7	3.32
May.....	118.40	37.0	3.20	162.26	42.7	3.80	194.31	38.1	5.10	132.93	39.8	3.34
June.....	120.05	37.4	3.21	163.88	42.9	3.82	196.99	38.4	5.13	134.40	40.0	3.36
July.....	121.45	37.6	3.23	163.88	42.9	3.82	200.20	38.5	5.20	134.46	39.9	3.37
August <sup>P</sup> .....	122.20	37.6	3.25	163.58	42.6	3.84	203.67	38.5	5.29	134.13	39.8	3.37
September <sup>P</sup> .....	121.36	37.0	3.28	164.51	42.4	3.88	191.17	35.8	5.34	136.17	39.7	3.43
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
1947.....	-	-	-	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140	-	-	-
1948.....	-	-	-	40.80	40.4	1.010	45.48	37.9	1.200	-	-	-
1949.....	-	-	-	42.93	40.5	1.060	47.63	37.8	1.260	-	-	-
1950.....	-	-	-	44.55	40.5	1.00	50.52	37.7	1.340	-	-	-
1951.....	-	-	-	47.79	40.5	1.18	54.67	37.7	1.45	-	-	-
1952.....	-	-	-	49.20	40.0	1.23	57.08	37.8	1.51	-	-	-
1953.....	-	-	-	51.35	39.5	1.30	59.57	37.7	1.58	-	-	-
1954.....	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955.....	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 <sup>2</sup> .....	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969.....	147.74	40.7	3.63	91.14	35.6	2.56	108.33	37.1	2.92	91.26	34.7	2.60
1969: September.....	152.11	41.0	3.71	92.46	35.7	2.59	108.41	37.0	2.93	92.38	34.6	2.67
October.....	151.70	41.0	3.70	92.13	35.3	2.61	109.45	37.1	2.95	92.81	34.5	2.69
November.....	152.15	40.9	3.72	92.58	35.2	2.63	111.23	37.2	2.99	94.11	34.6	2.72
December.....	151.78	40.8	3.72	93.18	35.7	2.61	110.26	37.0	2.98	94.11	34.6	2.72
1970: January.....	151.07	40.5	3.73	93.02	35.1	2.65	111.44	36.9	3.02	93.98	34.3	2.74
February.....	151.88	40.5	3.75	93.80	35.0	2.68	112.48	37.0	3.04	95.01	34.3	2.77
March.....	150.75	40.2	3.75	93.80	35.0	2.68	112.85	37.0	3.05	96.81	34.7	2.79
April.....	149.25	39.8	3.75	93.88	34.9	2.69	111.81	36.9	3.03	95.70	34.3	2.79
May.....	153.12	40.4	3.79	94.50	35.0	2.70	111.57	36.7	3.04	96.04	34.3	2.80
June.....	156.29	40.7	3.84	96.12	35.6	2.70	111.57	36.7	3.04	96.95	34.5	2.81
July.....	159.06	41.1	3.87	98.10	36.2	2.71	112.61	36.8	3.06	98.77	34.9	2.83
August <sup>P</sup> .....	159.10	40.9	3.89	98.74	36.3	2.72	113.65	36.9	3.08	100.10	35.0	2.86
September <sup>P</sup> .....	157.95	40.5	3.90	96.80	35.2	2.75	113.34	36.8	3.08	100.40	34.5	2.91

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Data include Alaska and Hawaii 1959.  
p preliminary

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
-	<b>TOTAL PRIVATE</b> .....	\$121.36	\$122.20	\$121.45	\$117.87	\$116.59	\$3.28	\$3.25	\$3.23	\$3.11	\$3.06
-	<b>MINING</b> .....	164.51	163.58	163.88	158.41	156.96	3.88	3.84	3.82	3.65	3.60
10	<b>METAL MINING</b> .....	-	165.39	166.96	160.33	158.67	-	3.91	3.91	3.72	3.69
101	Iron ores .....	-	168.70	160.55	160.06	156.33	-	3.96	3.85	3.82	3.74
102	Copper ores .....	-	171.78	182.66	171.03	170.38	-	3.94	4.05	3.71	3.72
11,12	<b>COAL MINING</b> .....	-	179.29	176.84	167.22	167.26	-	4.46	(*)	4.17	4.14
12	Bituminous coal and lignite mining .....	-	180.90	178.85	170.08	169.72	-	4.50	(*)	4.21	4.17
13	<b>OIL AND GAS EXTRACTION</b> .....	-	152.93	154.66	151.20	151.16	-	3.59	3.58	3.46	3.42
131,2	Crude petroleum and natural gas fields .....	-	155.88	156.26	147.83	145.20	-	3.83	3.83	3.65	3.55
138	Oil and gas field services .....	-	150.48	153.11	153.55	155.44	-	3.42	3.41	3.36	3.35
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	-	161.67	161.35	158.73	153.45	-	3.53	3.50	3.37	3.30
142	Crushed and broken stone .....	-	162.27	161.77	166.30	160.71	-	3.46	3.42	3.38	3.30
-	<b>CONTRACT CONSTRUCTION</b> .....	191.17	203.67	200.20	193.36	187.68	5.34	5.29	5.20	4.92	4.80
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	-	188.93	186.98	176.33	173.16	-	5.12	5.04	4.74	4.63
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	-	213.78	208.49	207.41	199.33	-	4.96	4.86	4.64	4.52
161	Highway and street construction .....	-	208.09	201.43	200.23	193.54	-	4.74	4.62	4.42	4.32
162	Heavy construction, n.e.c. ....	-	219.02	214.80	214.33	204.81	-	5.19	5.09	4.86	4.73
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	-	207.02	203.69	196.32	191.65	-	5.58	5.52	5.18	5.07
171	Plumbing, heating, air conditioning .....	-	217.55	215.46	208.15	202.28	-	5.74	5.67	5.31	5.20
172	Painting, paper hanging, decorating .....	-	181.47	177.83	180.20	174.85	-	5.17	5.11	4.91	4.83
173	Electrical work .....	-	236.59	235.01	231.26	227.92	-	6.02	5.98	5.71	5.60
174	Masonry, stonework, and plastering .....	-	187.48	186.79	179.42	175.73	-	5.45	5.43	5.04	4.95
176	Roofing and sheetmetal work .....	-	172.96	167.95	165.18	160.03	-	4.97	4.84	4.64	4.47
-	<b>MANUFACTURING</b> .....	136.17	134.13	134.46	132.84	129.92	3.43	3.37	3.37	3.24	3.20
19,24,25,32-39	<b>DURABLE GOODS</b> .....	147.06	143.92	143.87	143.45	139.33	3.64	3.58	3.57	3.44	3.39
20-23,26-31	<b>NONDURABLE GOODS</b> .....	121.44	121.35	121.44	118.00	116.51	3.13	3.08	3.09	2.95	2.92
	<i>Durable Goods</i> .....										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	146.00	145.16	143.28	140.48	137.89	3.65	3.62	3.60	3.46	3.43
192	Ammunition, except for small arms .....	(*)	141.41	141.29	135.26	133.91	(*)	3.58	3.55	3.39	3.39
1925	Complete guided missiles .....	-	176.40	171.40	171.78	171.74	-	4.22	4.13	4.09	4.06
1929	Ammunition, exc. for small arms, nec .....	-	122.56	124.87	118.26	116.51	-	3.20	3.21	3.04	3.05
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	119.29	122.61	118.31	114.45	112.16	3.02	3.05	2.98	2.84	2.79
242	Sawmills and planing mills .....	(*)	117.89	114.62	110.57	107.47	(*)	2.94	2.88	2.73	2.68
2421	Sawmills and planing mills, general .....	-	121.90	118.50	113.93	111.08	-	3.04	2.97	2.82	2.77
243	Millwork, plywood & related products .....	127.28	128.15	126.32	120.69	118.30	3.19	3.18	3.15	2.98	2.95
2431	Millwork .....	-	123.47	120.96	115.74	114.07	-	3.11	3.07	2.93	2.91
2432	Veneer and plywood .....	-	131.52	128.79	122.25	118.96	-	3.20	3.18	2.96	2.93
244	Wooden containers .....	94.88	96.75	94.82	91.41	91.43	2.53	2.50	2.45	2.32	2.28
2441,2	Wooden boxes, shooks, and crates .....	-	95.98	93.56	91.14	90.90	-	2.48	2.43	2.29	2.25
249	Miscellaneous wood products .....	105.18	106.49	105.30	101.50	101.19	2.61	2.61	2.60	2.50	2.45
25	<b>FURNITURE AND FIXTURES</b> .....	110.26	111.00	107.86	109.08	107.71	2.82	2.81	2.78	2.68	2.64
251	Household furniture .....	102.17	103.10	99.84	102.21	101.09	2.64	2.63	2.60	2.53	2.49
2511	Wood household furniture .....	-	95.94	93.80	98.06	97.53	-	2.46	2.43	2.38	2.35
2512	Upholstered household furniture .....	-	109.87	105.74	106.77	105.59	-	2.81	2.79	2.71	2.68
2515	Mattresses and bedspreads .....	-	116.87	111.74	110.25	108.50	-	2.90	2.88	2.77	2.74
252	Office furniture .....	-	124.82	121.13	128.10	125.46	-	3.16	3.13	3.00	2.98
254	Partitions and fixtures .....	-	144.14	140.01	137.45	137.19	-	3.49	3.44	3.32	3.29
253,9	Other furniture and fixtures .....	(*)	119.90	118.40	116.28	111.76	(*)	2.99	2.99	2.85	2.78
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	142.90	142.35	141.25	137.80	136.53	3.46	3.43	3.42	3.25	3.22
321	Flat glass .....	-	180.20	181.48	175.09	176.69	-	4.26	4.27	4.11	4.09
322	Glass and glassware, pressed or blown .....	(*)	138.00	137.71	132.76	131.38	(*)	3.45	3.46	3.27	3.26
3221	Glass containers .....	-	143.62	143.07	137.23	136.55	-	3.52	3.55	3.38	3.38
3229	Pressed and blown glass, n.e.c. ....	-	128.87	129.81	126.67	124.22	-	3.33	3.32	3.12	3.09
324	Cement, hydraulic .....	(*)	179.31	179.33	163.31	156.42	(*)	4.30	4.28	3.87	3.76
325	Structural clay products .....	114.80	114.45	113.88	112.34	111.11	2.87	2.84	2.84	2.74	2.71
3251	Brick and structural clay tile .....	-	108.94	107.46	107.59	107.68	-	2.67	2.66	2.58	2.57
326	Pottery and related products .....	-	116.66	118.50	116.42	115.89	-	3.03	3.07	2.94	2.89
327	Concrete, gypsum, and plaster products .....	151.79	155.23	151.55	149.07	148.26	3.53	3.52	3.46	3.32	3.28
328,9	Other stone and nonmetallic mineral products .....	138.79	140.15	137.97	136.83	134.92	3.41	3.41	3.39	3.25	3.22
3291	Abrasive products .....	-	129.83	128.69	131.01	129.81	-	3.49	3.45	3.30	3.32

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969
-	<b>TOTAL PRIVATE</b> . . . . .	37.0	37.6	37.6	37.9	38.1	-	-	-	-	-
-	<b>MINING</b> . . . . .	42.4	42.6	42.9	43.4	43.6	-	-	-	-	-
10	<b>METAL MINING</b> . . . . .	-	42.3	42.7	43.1	43.0	-	-	-	-	-
101	Iron ores . . . . .	-	42.6	41.7	41.9	41.8	-	-	-	-	-
102	Copper ores . . . . .	-	43.6	45.1	46.1	45.8	-	-	-	-	-
11,12	<b>COAL MINING</b> . . . . .	-	40.2	(*)	40.1	40.4	-	-	-	-	-
12	Bituminous coal and lignite mining . . . . .	-	40.2	(*)	40.4	40.7	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> . . . . .	-	42.6	43.2	43.7	44.2	-	-	-	-	-
131,2	Crude petroleum and natural gas fields . . . . .	-	40.7	40.8	40.5	40.9	-	-	-	-	-
138	Oil and gas field services . . . . .	-	44.0	44.9	45.7	46.4	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> . . . . .	-	45.8	46.1	47.1	46.5	-	-	-	-	-
142	Crushed and broken stone . . . . .	-	46.9	47.3	49.2	48.7	-	-	-	-	-
-	<b>CONTRACT CONSTRUCTION</b> . . . . .	35.8	38.5	38.5	39.3	39.1	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> . . . . .	-	36.9	37.1	37.2	37.4	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> . . . . .	-	43.1	42.9	44.7	44.1	-	-	-	-	-
161	Highway and street construction . . . . .	-	43.9	43.6	45.3	44.8	-	-	-	-	-
162	Heavy construction, n e c . . . . .	-	42.2	42.2	44.1	43.3	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> . . . . .	-	37.1	36.9	37.9	37.8	-	-	-	-	-
171	Plumbing, heating, air conditioning . . . . .	-	37.9	38.0	39.2	38.9	-	-	-	-	-
172	Painting, paper hanging, decorating . . . . .	-	35.1	34.8	36.7	36.2	-	-	-	-	-
173	Electrical work . . . . .	-	39.3	39.3	40.5	40.7	-	-	-	-	-
174	Masonry, stonework, and plastering . . . . .	-	34.4	34.4	35.6	35.5	-	-	-	-	-
176	Roofing and sheet metal work . . . . .	-	34.8	34.7	35.6	35.8	-	-	-	-	-
-	<b>MANUFACTURING</b> . . . . .	39.7	39.8	39.9	41.0	40.6	3.0	3.0	2.9	4.0	3.7
19,24,25,32-39	<b>DURABLE GOODS</b> . . . . .	40.4	40.2	40.3	41.7	41.1	3.0	2.9	2.9	4.2	3.8
20-23,26-31	<b>NONDURABLE GOODS</b> . . . . .	38.8	39.4	39.3	40.0	39.9	2.8	3.1	2.9	3.7	3.5
	<i>Durable Goods</i> . . . . .										
19	<b>ORDNANCE AND ACCESSORIES</b> . . . . .	40.0	40.1	39.8	40.6	40.2	-	2.3	2.1	2.6	2.5
192	Ammunition, except for small arms . . . . .	-	(*)	39.5	39.8	39.9	-	1.9	1.7	2.1	2.1
1925	Complete guided missiles . . . . .	-	41.8	41.5	42.0	42.3	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec . . . . .	-	38.3	38.9	38.9	38.2	-	-	-	-	-
24	<b>LUMBER AND WOOD PRODUCTS</b> . . . . .	39.5	40.2	39.7	40.3	40.2	-	3.4	3.2	3.9	3.8
242	Sawmills and planing mills . . . . .	-	(*)	39.8	40.5	40.1	-	3.7	3.4	4.1	3.9
2421	Sawmills and planing mills, general . . . . .	-	40.1	39.9	40.4	40.1	-	-	-	-	-
243	Millwork, plywood & related products . . . . .	39.9	40.3	40.1	40.5	40.1	-	3.2	3.1	3.5	3.4
2431	Millwork . . . . .	-	39.7	39.4	39.5	39.2	-	-	-	-	-
2432	Veneer and plywood . . . . .	-	41.1	40.5	41.3	40.6	-	-	-	-	-
244	Wooden containers . . . . .	37.5	38.7	38.7	39.4	40.1	-	2.6	2.4	3.2	3.7
2441,2	Wooden boxes, shooks, and crates . . . . .	-	38.7	38.5	39.8	40.4	-	-	-	-	-
249	Miscellaneous wood products . . . . .	40.3	40.8	40.5	40.6	41.3	-	3.2	3.1	4.1	4.0
25	<b>FURNITURE AND FIXTURES</b> . . . . .	39.1	39.5	38.8	40.7	40.8	-	2.4	2.1	3.7	3.4
251	Household furniture . . . . .	38.7	39.2	38.4	40.4	40.6	-	2.1	2.0	3.5	3.3
2511	Wood household furniture . . . . .	-	39.0	38.6	41.2	41.5	-	-	-	-	-
2512	Upholstered household furniture . . . . .	-	39.1	37.9	39.4	39.4	-	-	-	-	-
2515	Mattresses and bedsprings . . . . .	-	40.3	38.8	39.8	39.6	-	-	-	-	-
252	Office furniture . . . . .	-	39.5	38.7	42.7	42.1	-	3.1	2.5	4.9	4.5
254	Partitions and fixtures . . . . .	-	41.3	40.7	41.4	41.7	-	3.7	2.8	4.1	4.0
253,9	Other furniture and fixtures . . . . .	-	(*)	40.1	39.6	40.8	-	2.7	2.4	3.9	3.3
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> . . . . .	41.3	41.5	41.3	42.4	42.4	-	4.5	4.4	5.3	5.2
321	Flat glass . . . . .	-	42.3	42.5	42.6	43.2	-	4.4	4.4	5.2	5.0
322	Glass and glassware, pressed or blown . . . . .	-	(*)	39.8	40.6	40.3	-	4.1	4.3	4.7	4.4
3221	Glass containers . . . . .	-	40.8	40.3	40.6	40.4	-	-	-	-	-
3229	Pressed and blown glass, n e c . . . . .	-	38.7	39.1	40.6	40.2	-	-	-	-	-
324	Cement, hydraulic . . . . .	-	(*)	41.7	42.2	41.6	-	3.0	2.9	3.4	3.2
325	Structural clay products . . . . .	40.0	40.3	40.1	41.0	41.0	-	3.6	3.5	4.2	4.1
3251	Brick and structural clay tile . . . . .	-	40.8	40.4	41.7	41.9	-	-	-	-	-
326	Pottery and related products . . . . .	-	38.5	38.6	39.6	40.1	-	2.2	1.7	2.9	2.9
327	Concrete, gypsum and plaster products . . . . .	43.0	44.1	43.8	44.9	45.2	-	6.7	6.5	7.5	7.5
328,9	Other stone and nonmetallic mineral products . . . . .	40.7	41.1	40.7	42.1	41.9	-	3.8	3.2	4.5	4.5
3291	Abrasive products . . . . .	-	37.2	37.3	39.7	39.1	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1970 <sup>D</sup>	Aug. 1970 <sup>D</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>D</sup>	Aug. 1970 <sup>D</sup>	July 1970	Sept. 1969	Aug. 1969
<i>Durable Goods--Continued</i>											
33	<b>PRIMARY METAL INDUSTRIES</b> .....	\$168.92	\$161.20	\$159.96	\$162.93	\$160.51	\$4.11	\$3.99	\$3.94	\$3.87	\$3.84
331	Blast furnace and basic steel products ..	(*)	172.13	168.50	173.05	170.15	(*)	4.25	4.14	4.14	4.10
3312	Blast furnaces and steel mills .....	-	174.12	170.53	175.55	172.63	-	4.31	4.19	4.22	4.18
332	Iron and steel foundries .....	(*)	148.40	153.82	153.79	150.36	(*)	3.71	3.77	3.61	3.58
3321	Gray iron foundries .....	-	145.30	152.71	155.00	152.28	-	3.66	3.78	3.63	3.60
3322	Malleable iron foundries .....	-	170.11	165.57	154.80	156.19	-	4.19	4.16	3.73	3.71
3323	Steel foundries .....	-	147.78	152.82	149.88	143.31	-	3.64	3.63	3.51	3.47
333,4	Nonferrous metals .....	166.49	160.86	159.74	156.71	153.97	3.89	3.83	3.84	3.67	3.64
3334	Primary aluminum .....	-	168.91	170.96	166.00	167.23	-	4.15	4.18	4.00	4.02
335	Nonferrous rolling and drawing .....	153.03	150.22	149.78	152.87	152.44	3.76	3.70	3.68	3.58	3.57
3351	Copper rolling and drawing .....	-	144.97	148.37	157.91	156.60	-	3.67	3.70	3.63	3.60
3352	Aluminum rolling and drawing .....	-	153.00	153.38	153.97	155.61	-	3.75	3.75	3.64	3.67
3357	Nonferrous wire drawing and insulating ..	-	150.43	148.06	150.23	149.88	-	3.66	3.62	3.51	3.51
336	Nonferrous foundries .....	137.94	138.25	137.24	140.27	135.86	3.51	3.50	3.51	3.38	3.33
3361	Aluminum castings .....	-	137.63	137.39	141.51	138.04	-	3.52	3.55	3.46	3.40
3362,9	Other nonferrous castings .....	-	138.85	137.41	138.93	133.25	-	3.48	3.47	3.30	3.25
339	Miscellaneous primary metal products ..	(*)	166.32	161.92	171.70	166.38	(*)	4.20	4.12	4.04	3.99
3391	Iron and steel forgings .....	-	171.35	165.33	180.19	171.81	-	4.36	4.25	4.22	4.16
34	<b>FABRICATED METAL PRODUCTS</b> .....	146.97	144.54	144.79	143.14	139.28	3.62	3.56	3.54	3.40	3.34
341	Metal cans .....	(*)	176.11	183.06	173.16	179.14	(*)	4.03	4.05	3.90	3.92
342	Cutlery, hand tools, and hardware .....	133.17	134.80	130.02	133.31	129.02	3.38	3.37	3.30	3.22	3.17
3421,3,5	Cutlery and hand tools, incl. saws .....	-	127.73	127.01	130.10	125.96	-	3.25	3.24	3.15	3.11
3429	Hardware, n e c .....	-	140.13	132.66	135.38	131.29	-	3.46	3.35	3.27	3.21
343	Plumbing and heating, except electric ..	(*)	130.94	130.28	127.58	125.96	(*)	3.29	3.29	3.15	3.11
3431,2	Sanitary ware & plumbers' brass goods ..	-	129.48	131.04	128.56	125.83	-	3.32	3.36	3.19	3.13
3433	Heating equipment, except electric .....	-	131.70	129.85	126.17	126.48	-	3.26	3.23	3.10	3.10
344	Fabricated structural metal products .....	142.40	143.82	142.56	140.61	136.70	3.56	3.56	3.52	3.38	3.31
3441	Fabricated structural steel .....	-	146.47	146.50	142.38	138.53	-	3.59	3.53	3.39	3.33
3442	Metal floors, sash, and trim .....	-	117.95	117.90	116.11	114.29	-	3.04	3.00	2.91	2.85
3443	Fabricated plate work (boiler shops) ..	-	151.70	150.22	151.79	146.51	-	3.70	3.70	3.58	3.48
3444	Sheet metal work .....	-	150.82	149.23	146.97	143.91	-	3.78	3.74	3.55	3.51
3446,9	Architectural and misc. metal work .....	-	139.60	137.63	134.46	133.12	-	3.43	3.39	3.24	3.20
345	Screw machine products, bolts, etc. ....	(*)	143.26	140.54	148.77	145.34	(*)	3.52	3.47	3.42	3.38
3451	Screw machine products .....	-	139.60	138.11	141.10	137.01	-	3.43	3.41	3.32	3.27
3452	Bolts, nuts, rivets, and washers .....	-	146.11	142.97	156.20	153.12	-	3.59	3.53	3.51	3.48
346	Metal stampings .....	(*)	162.21	168.95	161.32	152.70	(*)	3.89	3.92	3.70	3.61
347	Metal services, n e c .....	(*)	124.50	124.11	121.60	120.66	(*)	3.16	3.15	3.01	2.95
348	Misc. fabricated wire products .....	(*)	127.83	126.25	126.59	123.73	(*)	3.22	3.18	3.08	3.04
349	Misc. fabricated metal products .....	141.10	140.30	137.66	137.61	133.90	3.51	3.49	3.45	3.30	3.25
3494,8	Valves, pipe, and pipe fittings .....	-	143.11	140.58	139.53	137.03	-	3.56	3.55	3.33	3.31
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	152.40	152.31	153.06	155.00	149.94	3.81	3.77	3.77	3.63	3.57
351	Engines and turbines .....	(*)	168.05	163.94	161.90	156.36	(*)	4.17	4.14	3.92	3.88
3511	Steam engines and turbines .....	-	172.51	173.72	170.40	162.33	-	4.27	4.30	4.00	3.94
3519	Internal combustion engines, n e c .....	-	165.62	159.95	158.30	154.01	-	4.12	4.07	3.88	3.86
352	Farm machinery .....	-	145.43	146.20	144.59	140.30	-	3.71	3.72	3.57	3.49
353	Construction and related machinery .....	(*)	151.84	151.13	152.44	146.78	(*)	3.74	3.75	3.57	3.52
3531,2	Construction and mining machinery .....	-	157.90	157.14	155.24	150.23	-	3.87	3.88	3.67	3.62
3533	Oil field machinery .....	-	143.97	142.74	145.82	141.76	-	3.52	3.49	3.36	3.32
3535,6	Conveyors, hoists, cranes, monorails ..	-	148.67	149.11	155.81	146.23	-	3.68	3.70	3.59	3.49
3537	Industrial trucks and tractors .....	-	132.01	128.22	145.49	138.61	-	3.42	3.41	3.36	3.34
354	Metal working machinery .....	(*)	167.28	172.21	177.01	169.56	(*)	4.07	4.11	3.96	3.88
3541	Machine tools, metal cutting types .....	-	164.82	164.43	172.43	164.92	-	4.02	4.04	3.91	3.80
3544	Special dies, tools, jigs & fixtures ..	-	183.10	193.14	196.85	186.40	-	4.37	4.44	4.27	4.17
3545	Machine tool accessories .....	-	150.10	153.16	153.97	150.78	-	3.80	3.81	3.64	3.59
3542,8	Misc. metal working machinery .....	-	154.16	155.70	162.06	157.54	-	3.76	3.77	3.65	3.63
355	Special industry machinery .....	146.57	145.35	144.59	148.34	141.71	3.61	3.58	3.57	3.41	3.35
3551	Food products machinery .....	-	151.03	148.37	151.79	145.60	-	3.72	3.70	3.53	3.50
3552	Textile machinery .....	-	125.96	125.26	127.15	119.85	-	3.11	3.07	2.95	2.84
3555	Printing trades machinery .....	-	154.33	155.16	154.73	148.27	-	3.82	3.85	3.59	3.59
356	General industrial machinery .....	147.78	149.25	150.38	154.21	150.30	3.77	3.75	3.75	3.62	3.57
3561	Pumps and compressors .....	-	150.06	148.51	149.32	144.63	-	3.66	3.64	3.53	3.46
3562	Ball and roller bearings .....	-	148.61	149.77	159.47	157.56	-	3.86	3.87	3.70	3.69
3564	Blowers and fans .....	-	140.48	143.59	141.76	142.52	-	3.46	3.46	3.32	3.33
3566	Power transmission equipment .....	-	149.23	153.03	152.44	147.70	-	3.74	3.76	3.57	3.50
357	Office and computing machines .....	(*)	151.47	147.50	150.23	146.06	(*)	3.74	3.66	3.62	3.58
3573	Electronic computing equipment .....	-	155.29	153.18	151.62	150.95	-	3.76	3.70	3.61	3.62
358	Service industry machinery .....	-	133.51	136.74	134.56	132.11	-	3.38	3.41	3.29	3.23
3585	Refrigeration machinery .....	-	133.96	138.98	135.46	133.33	-	3.40	3.44	3.32	3.26
359	Misc. machinery, except electrical .....	132.44	150.51	150.79	151.12	146.97	3.44	3.68	3.66	3.49	3.45

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
	<i>Durable Goods--Continued</i>										
33	<b>PRIMARY METAL INDUSTRIES</b>	41.1	40.4	40.6	42.1	41.8	-	2.9	3.0	4.5	4.2
331	Blast furnace and basic steel products	(*)	40.5	40.7	41.8	41.5	-	2.5	2.5	3.8	3.5
3312	Blast furnaces and steel mills	(*)	40.4	40.7	41.6	41.3	-	-	-	-	-
332	Iron and steel foundries	(*)	40.0	40.8	42.6	42.0	-	3.6	4.1	5.6	5.0
3321	Gray iron foundries	-	39.7	40.4	42.7	42.3	-	-	-	-	-
3322	Malleable iron foundries	-	40.6	39.8	41.5	42.1	-	-	-	-	-
3323	Steel foundries	-	40.6	42.1	42.7	41.3	-	-	-	-	-
333,4	Nonferrous metals	42.8	42.0	41.6	42.7	42.3	-	4.4	4.2	5.2	4.8
3334	Primary aluminum	-	40.7	40.9	41.5	41.6	-	-	-	-	-
335	Nonferrous rolling and drawing	40.7	40.6	40.7	42.7	42.7	-	3.1	3.2	4.9	5.1
3351	Copper rolling and drawing	-	39.5	40.1	43.5	43.5	-	-	-	-	-
3352	Aluminum rolling and drawing	-	40.8	40.9	42.3	42.4	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	41.1	40.9	42.8	42.7	-	-	-	-	-
336	Nonferrous foundries	39.3	39.5	39.1	41.5	40.8	-	2.3	2.3	4.5	3.7
3361	Aluminum castings	-	39.1	38.7	40.9	40.6	-	-	-	-	-
3362,9	Other nonferrous castings	-	39.9	39.6	42.1	41.0	-	-	-	-	-
339	Miscellaneous primary metal products	(*)	39.6	39.3	42.5	41.7	-	3.1	2.7	5.6	5.1
3391	Iron and steel forgings	-	39.3	38.9	42.7	41.3	-	-	-	-	-
34	<b>FABRICATED METAL PRODUCTS</b>	40.6	40.6	40.9	42.1	41.7	-	3.3	3.5	4.7	4.3
341	Metal cans	(*)	43.7	45.2	44.4	45.7	-	4.9	6.1	6.1	6.7
342	Cutlery, hand tools, and hardware	39.4	40.0	39.4	41.4	40.7	-	2.4	2.1	3.5	3.0
3421,3,5	Cutlery and hand tools, incl. saws	-	39.3	39.2	41.3	40.5	-	-	-	-	-
3429	Hardware, n e c	-	40.5	39.6	41.4	40.9	-	-	-	-	-
343	Plumbing and heating, except electric	(*)	39.8	39.6	40.5	40.5	-	2.4	2.4	3.4	3.3
3431,2	Sanitary ware & plumbers' brass goods	-	39.0	39.0	40.3	40.2	-	-	-	-	-
3433	Heating equipment, except electric	-	40.4	40.2	40.7	40.8	-	-	-	-	-
344	Fabricated structural metal products	40.0	40.4	40.5	41.6	41.3	-	3.1	3.1	4.3	4.0
3441	Fabricated structural steel	-	40.8	41.5	42.0	41.6	-	-	-	-	-
3442	Metal doors, sash, and trim	-	38.8	39.3	39.9	40.1	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	41.0	40.6	42.4	42.1	-	-	-	-	-
3444	Sheet metal work	-	39.9	39.9	41.4	41.0	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	40.7	40.6	41.5	41.6	-	-	-	-	-
345	Screw machine products, bolts, etc.	(*)	40.7	40.5	43.5	43.0	-	3.4	3.0	5.9	5.5
3451	Screw machine products	-	40.7	40.5	42.5	41.9	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	40.7	40.5	44.5	44.0	-	-	-	-	-
346	Metal stampings	(*)	41.7	43.1	43.6	42.3	-	4.5	5.1	6.0	4.8
347	Metal services, n e c	(*)	39.4	39.4	40.4	40.9	-	3.9	3.9	4.4	4.2
348	Misc. fabricated wire products	(*)	39.7	39.7	41.1	40.7	-	2.6	2.7	4.1	3.9
349	Misc. fabricated metal products	40.2	40.2	39.9	41.7	41.2	-	2.9	2.6	3.9	3.9
3494,8	Valves, pipe, and pipe fittings	-	40.2	39.6	41.9	41.4	-	-	-	-	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	40.0	40.4	40.6	42.7	42.0	-	2.7	2.8	4.8	4.2
351	Engines and turbines	(*)	40.3	39.6	41.3	40.3	-	3.3	3.0	4.9	3.9
3511	Steam engines and turbines	-	40.4	40.4	42.6	41.2	-	-	-	-	-
3512	Internal combustion engines, n e c	-	40.2	39.3	40.8	39.9	-	-	-	-	-
352	Farm machinery	-	39.2	39.3	40.5	40.2	-	2.1	1.8	2.8	2.6
353	Construction and related machinery	(*)	40.6	40.3	42.7	41.7	-	2.7	2.6	4.5	3.9
3531,2	Construction and mining machinery	-	40.8	40.5	42.3	41.5	-	-	-	-	-
3533	Oil field machinery	-	40.9	40.9	43.4	42.7	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	40.4	40.3	43.4	41.9	-	-	-	-	-
3537	Industrial trucks and tractors	-	38.6	37.6	43.3	41.5	-	-	-	-	-
354	Metal working machinery	(*)	41.1	41.9	44.7	43.7	-	3.2	3.9	6.3	5.6
3541	Machine tools, metal cutting types	-	41.0	40.7	44.1	43.4	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	41.9	43.5	46.1	44.7	-	-	-	-	-
3545	Machine tool accessories	-	39.5	40.2	42.3	42.0	-	-	-	-	-
3542,8	Misc. metal working machinery	-	41.0	41.3	44.4	43.4	-	-	-	-	-
355	Special industry machinery	40.6	40.6	40.5	43.5	42.3	-	2.8	2.8	5.3	4.5
3551	Food products machinery	-	40.6	40.1	43.0	41.6	-	-	-	-	-
3552	Textile machinery	-	40.5	40.8	43.1	42.2	-	-	-	-	-
3555	Printing trades machinery	-	40.4	40.3	43.1	41.3	-	-	-	-	-
356	General industrial machinery	39.2	39.8	40.1	42.6	42.1	-	2.3	2.5	4.7	4.4
3561	Pumps and compressors	-	41.0	40.8	42.3	41.8	-	-	-	-	-
3562	Ball and roller bearings	-	38.5	38.7	43.1	42.7	-	-	-	-	-
3564	Blowers and fans	-	40.6	41.5	42.7	42.8	-	-	-	-	-
3566	Power transmission equipment	-	39.9	40.7	42.7	42.2	-	-	-	-	-
357	Office and computing machines	(*)	40.5	40.3	41.5	40.8	-	1.6	1.4	3.7	2.6
3573	Electronic computing equipment	-	41.3	41.4	42.0	41.7	-	-	-	-	-
358	Service industry machines	-	39.5	40.1	40.9	40.9	-	2.2	2.8	3.1	3.3
3585	Refrigeration machinery	-	39.4	40.4	40.8	40.9	-	-	-	-	-
359	Misc. machinery, except electrical	38.5	40.9	41.2	43.3	42.6	-	3.5	3.6	5.9	5.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969
<i>Durable Goods--Continued</i>											
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES...</b>	\$131.32	\$131.74	\$132.14	\$127.39	\$124.93	\$3.35	\$3.31	\$3.32	\$3.13	\$3.10
361	Electric test & distributing equipment...	(*)	138.57	141.86	134.69	131.11	(*)	3.43	3.46	3.23	3.19
3611	Electric measuring instruments...	-	121.06	122.53	120.88	118.08	-	3.12	3.11	2.97	2.93
3612	Transformers...	-	140.29	145.12	137.99	134.78	-	3.43	3.48	3.27	3.24
3613	Switchgear and switchboard apparatus...	-	148.78	153.50	143.56	138.69	-	3.62	3.69	3.41	3.35
362	Electrical industrial apparatus...	(*)	138.17	139.32	134.78	132.02	(*)	3.42	3.44	3.24	3.22
3621	Motors and generators...	-	141.98	143.85	137.34	134.64	-	3.48	3.50	3.27	3.26
3622	Industrial controls...	-	131.26	129.20	130.38	128.11	-	3.34	3.33	3.18	3.14
363	Household appliances...	(*)	136.91	140.19	134.56	133.25	(*)	3.44	3.47	3.29	3.29
3632	Household refrigerators and freezers...	-	149.92	159.00	149.51	145.64	-	3.72	3.75	3.62	3.65
3633	Household laundry equipment...	-	146.73	148.00	137.76	146.85	-	3.65	3.70	3.47	3.53
3634	Electric housewares and fans...	-	112.79	110.87	112.75	110.43	-	2.87	2.85	2.73	2.70
364	Electric lighting and wiring equipment...	124.43	122.62	121.37	119.29	116.51	3.15	3.12	3.12	2.96	2.92
3641	Electric lamps...	-	129.92	125.05	117.51	111.94	-	3.20	3.19	2.96	2.90
3642	Lighting fixtures...	-	121.20	121.59	121.90	121.60	-	3.14	3.15	3.04	3.01
3643,4	Wiring devices...	-	119.03	118.65	118.03	114.69	-	3.06	3.05	2.90	2.86
365	Radio and TV receiving equipment...	(*)	120.69	115.92	104.23	105.15	(*)	3.04	2.98	2.75	2.71
366	Communication equipment...	(*)	145.48	145.20	148.33	143.44	(*)	3.61	3.63	3.54	3.49
3661	Telephone and telegraph apparatus...	-	140.59	139.39	157.11	151.37	-	3.48	3.52	3.62	3.57
3662	Radio and TV communication equipment...	-	149.57	150.29	143.09	138.98	-	3.73	3.72	3.49	3.44
367	Electronic components and accessories...	(*)	113.68	111.94	107.32	105.59	(*)	2.93	2.90	2.71	2.68
3671-3	Electron tubes...	-	132.59	127.53	119.50	116.61	-	3.29	3.27	2.98	2.93
3674,9	Other electronic components...	-	109.34	108.57	104.68	103.36	-	2.84	2.82	2.65	2.63
369	Misc. electrical equipment & supplies...	(*)	138.60	141.20	137.27	134.72	(*)	3.50	3.53	3.34	3.31
3694	Engine electrical equipment...	-	141.18	147.97	140.65	138.75	-	3.62	3.69	3.49	3.46
37	<b>TRANSPORTATION EQUIPMENT</b> ...	176.35	164.00	166.06	166.66	158.76	4.13	4.10	4.08	3.94	3.92
371	Motor vehicles and equipment...	(*)	169.95	177.21	178.02	165.17	(*)	4.27	4.27	4.14	4.15
3711	Motor vehicles...	-	166.26	178.23	186.19	164.63	-	4.41	4.39	4.29	4.39
3712	Passenger car bodies...	-	205.91	191.63	189.23	153.08	-	5.01	4.72	4.35	4.30
3713	Truck and bus bodies...	-	138.25	137.86	137.90	136.82	-	3.50	3.49	3.38	3.37
3714	Motor vehicle parts and accessories...	-	175.12	182.33	176.32	172.99	-	4.23	4.26	4.11	4.08
3715	Truck trailers...	-	128.25	129.36	126.27	123.01	-	3.28	3.30	3.11	3.06
372	Aircraft and parts...	(*)	169.72	166.87	166.96	162.21	(*)	4.17	4.10	3.88	3.89
3721	Aircraft...	-	172.99	167.68	163.38	165.03	-	4.24	4.12	3.89	3.92
3722	Aircraft engines and engine parts...	-	166.85	165.22	163.86	157.16	-	4.13	4.11	3.92	3.89
3723,9	Other aircraft parts and equipment...	-	165.64	167.25	160.74	159.56	-	4.04	4.03	3.80	3.79
373	Ship and boat building and repairing...	(*)	152.05	148.19	151.94	145.48	(*)	3.83	3.79	3.67	3.61
3731	Ship building and repairing...	-	159.59	155.24	161.48	153.18	-	3.97	3.93	3.91	3.82
3732	Boat building and repairing...	-	117.75	117.81	120.35	117.62	-	3.14	3.15	2.90	2.89
374	Railroad equipment...	-	154.81	151.26	161.85	157.08	-	3.99	3.97	3.90	3.85
375,9	Other transportation equipment...	-	122.14	119.42	119.18	115.63	-	3.10	3.07	2.95	2.92
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> ...	132.74	134.13	132.87	131.43	128.21	3.43	3.37	3.33	3.19	3.15
381	Engineering & scientific instruments...	-	150.82	148.16	151.50	146.56	-	3.78	3.77	3.59	3.54
382	Mechanical measuring & control devices...	(*)	129.36	131.01	130.06	125.42	(*)	3.30	3.30	3.18	3.12
3821	Mechanical measuring devices...	-	132.47	133.40	132.75	128.30	-	3.32	3.32	3.23	3.16
3822	Automatic temperature controls...	-	124.91	127.20	125.96	121.27	-	3.27	3.27	3.11	3.07
383,5	Optical and ophthalmic goods...	(*)	121.18	121.57	122.51	119.29	(*)	3.06	3.07	3.01	2.96
385	Ophthalmic goods...	-	113.26	112.97	111.20	108.38	-	2.86	2.86	2.78	2.73
384	Medical instruments and supplies...	114.64	112.04	111.27	111.91	109.45	2.97	2.91	2.89	2.77	2.75
386	Photographic equipment and supplies...	(*)	169.71	162.18	160.76	158.42	(*)	4.06	3.88	3.73	3.71
387	Watches, clocks, and watchcases...	-	112.68	113.02	102.31	99.31	-	2.81	2.77	2.59	2.54
39	<b>MISC. MANUFACTURING INDUSTRIES</b> ...	108.02	108.29	108.29	105.06	103.22	2.85	2.82	2.82	2.68	2.64
391	Jewelry, silverware, and plated ware...	117.56	116.00	115.97	116.91	113.29	3.11	3.11	3.06	2.93	2.89
394	Toys and sporting goods...	-	97.78	98.30	92.11	91.39	-	2.58	2.58	2.38	2.38
3941-3	Games, toys, dolls & play vehicles...	-	94.50	94.12	87.71	87.10	-	2.50	2.49	2.29	2.28
3949	Sporting and athletic goods, n e c...	-	102.98	104.49	99.18	98.42	-	2.71	2.70	2.53	2.53
395	Pens, pencils, office and art supplies...	-	115.63	107.54	105.34	102.70	-	2.92	2.86	2.66	2.60
396	Costume jewelry and notions...	-	97.16	99.85	94.46	93.73	-	2.55	2.58	2.46	2.46
393,9	Other manufacturing industries...	(*)	117.39	116.79	117.01	114.51	(*)	3.01	3.01	2.94	2.87
393	Musical instruments and parts...	-	115.44	111.34	115.37	110.54	-	2.96	2.93	2.87	2.82
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b> ...	129.43	128.86	128.61	124.15	121.72	3.18	3.12	3.16	2.97	2.94
201	Meat products...	141.93	138.43	137.76	134.62	130.42	3.42	3.36	3.36	3.19	3.12
2011	Meat packing plants...	-	168.86	166.43	160.93	155.24	-	4.03	4.02	3.76	3.67
2013	Sausages and other prepared meats...	-	150.33	152.72	145.67	144.35	-	3.64	3.68	3.51	3.47
2015	Poultry dressing plants...	-	86.80	87.02	86.74	84.05	-	2.17	2.17	2.09	2.05

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
<i>Durable Goods--Continued</i>											
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	39.2	39.8	39.8	40.7	40.3	-	2.2	2.3	3.1	2.9
361	Electric test & distributing equipment	(*)	40.4	41.0	41.7	41.1	-	2.4	2.7	3.7	3.1
3611	Electric measuring instruments	-	38.8	39.4	40.7	40.3	-	-	-	-	-
3612	Transformers	-	40.9	41.7	42.2	41.6	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	41.1	41.6	42.1	41.4	-	-	-	-	-
362	Electrical industrial apparatus	(*)	40.4	40.5	41.6	41.0	-	2.4	2.8	4.1	3.6
3621	Motors and generators	-	40.8	41.1	42.0	41.3	-	-	-	-	-
3622	Industrial controls	-	39.3	38.8	41.0	40.8	-	-	-	-	-
363	Household appliances	(*)	39.8	40.4	40.9	40.5	-	2.2	3.2	3.5	3.6
3632	Household refrigerators and freezers	-	40.3	42.4	41.3	39.9	-	-	-	-	-
3633	Household laundry equipment	-	40.2	40.0	39.7	41.6	-	-	-	-	-
3634	Electric housewares and fans	-	39.3	38.9	41.3	40.9	-	-	-	-	-
364	Electric lighting and wiring equipment	39.5	39.3	38.9	40.3	39.9	-	2.1	1.9	3.0	2.6
3641	Electric lamps	-	40.6	39.2	39.7	38.6	-	-	-	-	-
3642	Lighting fixtures	-	38.6	38.6	40.1	40.4	-	-	-	-	-
3643,4	Wiring devices	-	38.9	38.9	40.7	40.1	-	-	-	-	-
365	Radio and TV receiving equipment	(*)	39.7	38.9	37.9	38.8	-	2.2	1.7	1.9	1.7
366	Communication equipment	(*)	40.3	40.0	41.9	41.1	-	2.3	2.1	3.5	3.5
3661	Telephone and telegraph apparatus	-	40.4	39.6	43.4	42.4	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.1	40.4	41.0	40.4	-	-	-	-	-
367	Electronic components and accessories	(*)	38.8	38.6	39.6	39.4	-	1.7	1.7	2.4	2.2
3671-3	Electron tubes	-	40.3	39.0	40.1	39.8	-	-	-	-	-
3674,9	Other electronic components	-	38.5	38.5	39.5	39.3	-	-	-	-	-
369	Misc. electrical equipment & supplies	(*)	39.6	40.0	41.1	40.7	-	2.1	2.1	3.1	2.7
3694	Engine electrical equipment	-	39.0	40.1	40.3	40.1	-	-	-	-	-
37	<b>TRANSPORTATION EQUIPMENT</b>	42.7	40.0	40.7	42.3	40.5	-	3.1	3.4	4.3	3.7
371	Motor vehicles and equipment	(*)	39.8	41.5	43.0	39.8	-	3.7	4.3	5.0	4.1
3711	Motor vehicles	-	37.7	40.6	43.4	37.5	-	-	-	-	-
3712	Passenger car bodies	-	41.1	40.6	43.5	35.6	-	-	-	-	-
3713	Truck and bus bodies	-	39.5	39.5	40.8	40.6	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	41.4	42.8	42.9	42.4	-	-	-	-	-
3715	Truck trailers	-	39.1	39.2	40.6	40.2	-	-	-	-	-
372	Aircraft and parts	(*)	40.7	40.7	42.0	41.7	-	2.5	2.5	3.6	3.3
3721	Aircraft	-	40.8	40.7	42.0	42.1	-	-	-	-	-
3722	Aircraft engines and engine parts	-	40.4	40.2	41.8	40.4	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	41.0	41.5	42.3	42.1	-	-	-	-	-
373	Ship and boat building and repairing	(*)	39.7	39.1	41.4	40.3	-	3.1	2.4	4.3	3.9
3731	Ship building and repairing	-	40.2	39.5	41.3	40.1	-	-	-	-	-
3732	Boat building and repairing	-	37.5	37.4	41.5	40.7	-	-	-	-	-
374	Railroad equipment	-	38.8	38.1	41.5	40.8	-	1.5	1.6	4.3	3.8
375,9	Other transportation equipment	-	39.4	38.9	40.4	39.6	-	2.7	2.6	3.0	2.9
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	38.7	39.8	39.9	41.2	40.7	-	2.1	2.2	3.4	2.8
381	Engineering & scientific instruments	-	39.9	39.3	42.2	41.4	-	2.5	2.2	4.1	3.2
382	Mechanical measuring & control devices	(*)	39.2	39.7	40.9	40.2	-	2.0	2.7	3.5	2.9
3821	Mechanical measuring devices	-	39.9	40.2	41.1	40.6	-	-	-	-	-
3822	Automatic temperature controls	-	38.2	38.9	40.5	39.5	-	-	-	-	-
383,5	Optical and ophthalmic goods	(*)	39.6	39.6	40.7	40.3	-	1.9	2.2	3.0	2.5
385	Ophthalmic goods	-	39.6	39.5	40.0	39.7	-	1.9	2.1	2.5	2.0
384	Medical instruments and supplies	38.6	38.5	38.5	40.4	39.8	-	1.8	1.5	2.8	2.2
386	Photographic equipment and supplies	(*)	41.8	41.8	43.1	42.7	-	2.8	2.2	4.2	3.5
387	Watches, clocks, and watch cases	-	40.1	40.8	39.5	39.1	-	1.8	2.1	2.3	1.9
39	<b>MISC. MANUFACTURING INDUSTRIES</b>	37.9	38.4	38.4	39.2	39.1	-	2.0	1.7	2.9	2.6
391	Jewelry, silverware, and plated ware	37.8	37.3	37.9	39.9	39.2	-	1.7	1.3	3.4	2.7
394	Toys and sporting goods	-	37.9	38.1	38.7	38.4	-	1.8	1.6	2.7	2.3
3941-3	Games, toys, dolls, & play vehicles	-	37.8	37.8	38.3	38.2	-	-	-	-	-
3949	Sporting and athletic goods, nec.	-	38.0	38.7	39.2	38.9	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.6	37.6	39.6	39.5	-	2.0	1.1	2.5	2.3
396	Costume jewelry and notions	-	38.1	38.7	38.4	38.1	-	1.7	1.6	2.5	2.4
393,9	Other manufacturing industries	(*)	39.0	38.8	39.8	39.9	-	2.3	1.9	3.2	3.0
393	Musical instruments and parts	-	39.0	38.0	40.2	39.2	-	1.9	1.0	2.6	2.2
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	40.7	41.3	40.7	41.8	41.4	-	4.3	4.2	5.0	4.5
201	Meat products	41.5	41.2	41.0	42.2	41.8	-	4.8	4.5	5.8	4.9
2011	Meat packing plants	-	41.9	41.4	42.8	42.3	-	-	-	-	-
2013	Sausages and other prepared meats	-	41.3	41.5	41.5	41.6	-	-	-	-	-
2015	Poultry dressing plants	-	40.0	40.1	41.5	41.0	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969
	<i>Nondurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products .....	(*)	\$136.27	\$136.63	\$129.58	\$127.87	(*)	\$3.26	\$3.23	\$3.10	\$3.03
2024	Ice cream and frozen desserts .....	-	130.51	131.86	122.51	122.43	-	3.10	3.11	3.01	2.95
2026	Fluid milk .....	-	143.72	144.93	137.99	135.79	-	3.43	3.41	3.27	3.18
203	Canned, cured, and frozen foods .....	-	107.53	101.38	106.68	102.97	-	2.61	2.64	2.54	2.53
2031,6	Canned, cured, and frozen sea foods .....	-	89.55	89.18	82.14	87.46	-	2.44	2.45	2.22	2.32
2032,3	Canned food, except sea foods .....	-	113.05	105.69	114.76	108.32	-	2.66	2.71	2.62	2.61
2037	Frozen fruits and vegetables .....	-	97.36	94.37	96.63	93.77	-	2.44	2.53	2.38	2.35
204	Grain mill products .....	(*)	148.98	148.53	144.75	140.30	(*)	3.26	3.25	3.14	3.07
2041	Flour and other grain mill products .....	-	160.61	155.82	153.08	150.37	-	3.41	3.38	3.25	3.22
2042	Prepared feeds for animals and fowls .....	-	132.16	132.16	129.53	124.82	-	2.83	2.80	2.75	2.65
205	Bakery products .....	\$132.20	129.03	129.92	122.61	122.01	\$3.33	3.25	3.24	3.05	3.02
2051	Bread, cake, and related products .....	-	130.68	131.60	124.31	123.62	-	3.30	3.29	3.10	3.06
2052	Cookies and crackers .....	-	123.20	124.03	115.59	116.35	-	3.08	3.07	2.84	2.88
206	Sugar .....	-	140.61	135.94	133.49	134.50	-	3.38	3.34	3.24	3.21
207	Confectionery and related products .....	(*)	112.84	110.43	104.40	104.00	-	2.80	2.81	2.61	2.60
2071	Confectionery products .....	-	108.53	105.49	99.94	99.54	-	2.72	2.74	2.53	2.52
208	Beverages .....	(*)	149.65	148.42	139.20	141.86	(*)	3.65	3.62	3.48	3.46
2082	Malt liquors .....	-	195.23	195.76	188.00	191.13	-	4.75	4.74	4.53	4.54
2086	Bottled and canned soft drinks .....	-	116.48	116.34	105.21	109.30	-	2.80	2.79	2.65	2.64
209	Misc. foods and kindred products .....	128.11	128.54	126.07	122.01	120.47	3.14	3.12	3.09	2.94	2.91
21	<b>TOBACCO MANUFACTURES</b> .....	110.19	105.46	113.63	97.89	93.38	2.84	2.79	3.03	2.51	2.49
211	Cigarettes .....	-	130.10	133.70	126.01	116.07	-	3.46	3.50	3.29	3.18
212	Cigars .....	-	82.58	80.08	79.25	78.45	-	2.22	2.20	2.08	2.07
22	<b>TEXTILE MILL PRODUCTS</b> .....	95.80	97.36	96.96	98.81	97.58	2.45	2.44	2.43	2.41	2.38
221	Weaving mills, cotton .....	96.88	98.57	99.53	100.19	99.84	2.41	2.41	2.41	2.42	2.40
222	Weaving mills, synthetics .....	100.78	100.12	99.38	105.22	104.13	2.47	2.46	2.46	2.47	2.45
223	Weaving and finishing mills, wool .....	(*)	97.39	97.75	101.11	99.72	(*)	2.51	2.50	2.46	2.45
224	Narrow fabric mills .....	(*)	95.65	94.43	97.34	94.94	(*)	2.44	2.44	2.38	2.35
225	Knitting mills .....	(*)	90.68	90.30	88.17	88.69	(*)	2.38	2.37	2.29	2.28
2251	Women's hosiery, except socks .....	-	86.35	87.08	87.46	87.36	-	2.34	2.36	2.26	2.24
2252	Hosiery, n e c .....	-	80.84	81.27	77.54	78.04	-	2.15	2.15	2.09	2.07
2253	Knit outerwear mills .....	-	93.61	93.21	89.28	89.59	-	2.47	2.44	2.40	2.37
2254	Knit underwear mills .....	-	82.88	81.18	79.24	80.35	-	2.21	2.20	2.13	2.12
226	Textile finishing, except wool .....	104.23	104.60	104.60	108.29	106.43	2.58	2.57	2.57	2.56	2.54
227	Floor covering mills .....	-	110.68	105.98	109.86	107.80	-	2.58	2.56	2.48	2.45
228	Yarn and thread mills .....	88.17	89.44	89.04	91.76	90.76	2.29	2.27	2.26	2.26	2.23
229	Miscellaneous textile goods .....	(*)	110.57	110.03	111.78	109.78	(*)	2.71	2.71	2.63	2.62
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....	83.55	85.56	84.61	83.77	83.85	2.45	2.41	2.39	2.34	2.31
231	Men's and boys' suits and coats .....	(*)	101.53	101.21	104.99	105.75	(*)	2.96	2.90	2.83	2.82
232	Men's and boys' furnishings .....	(*)	76.91	76.13	74.70	73.83	(*)	2.09	2.08	2.03	1.99
2321	Men's and boys' shirts and nightwear .....	-	75.03	74.66	74.00	71.97	-	2.05	2.04	2.00	1.94
2327	Men's and boys' separate trousers .....	-	77.96	76.43	73.89	73.46	-	2.09	2.06	2.03	1.98
2328	Men's and boys' work clothing .....	-	72.80	73.73	71.57	71.59	-	2.00	2.02	1.95	1.94
233	Women's and misses' outerwear .....	83.48	86.51	87.02	83.50	85.06	2.65	2.59	2.59	2.50	2.48
2331	Women's and misses' blouses and waists .....	-	78.26	79.22	74.68	74.61	-	2.35	2.33	2.19	2.15
2335	Women's and misses' dresses .....	-	87.25	88.23	83.98	86.35	-	2.66	2.69	2.60	2.57
2337	Women's and misses' suits and coats .....	-	98.78	99.87	94.58	96.32	-	3.03	2.99	2.79	2.80
2339	Women's and misses' underwear, n e c .....	-	77.96	77.17	77.17	76.18	-	2.19	2.18	2.18	2.14
234	Women's and children's undergarments .....	78.46	80.01	77.69	77.96	78.02	2.21	2.18	2.17	2.13	2.12
2341	Women's and children's underwear .....	-	78.38	76.32	76.75	76.43	-	2.13	2.12	2.08	2.06
2342	Corsets and allied garments .....	-	84.91	82.01	81.49	80.64	-	2.32	2.31	2.27	2.24
235	Hats, caps, and millinery .....	-	82.26	80.71	76.78	78.99	-	2.26	2.28	2.20	2.17
236	Children's outerwear .....	(*)	79.55	79.92	75.04	75.68	(*)	2.26	2.22	2.15	2.12
2361	Children's dresses and blouses .....	-	72.92	77.57	72.67	73.50	-	2.23	2.21	2.15	2.10
237,8	Fur goods and miscellaneous apparel .....	-	90.50	88.64	88.20	87.35	-	2.50	2.49	2.45	2.38
239	Misc. fabricated textile products .....	96.14	95.63	91.14	95.20	92.44	2.55	2.53	2.45	2.46	2.42
2391,2	Housefurnishings .....	-	82.03	80.72	80.85	79.87	-	2.17	2.17	2.10	2.08
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	146.85	145.88	144.70	143.32	141.37	3.53	3.49	3.47	3.31	3.28
261,2,6	Paper and pulp mills .....	(*)	169.51	166.99	164.05	163.07	(*)	3.87	3.83	3.67	3.64
263	Paperboard mills .....	(*)	170.72	175.95	168.35	166.90	(*)	3.88	3.91	3.70	3.66
264	Misc. converted paper products .....	(*)	125.83	125.51	124.56	120.83	(*)	3.13	3.13	2.98	2.94
2643	Bags, except textile bags .....	-	121.90	120.59	117.16	114.65	-	3.04	3.03	2.83	2.81
265	Paperboard containers and boxes .....	(*)	130.01	127.12	129.86	128.41	(*)	3.21	3.17	3.07	3.05
2651,2	Folding and setup paperboard boxes .....	-	118.70	117.41	116.44	116.31	-	2.99	2.98	2.84	2.83
2653	Corrugated and solid fiber boxes .....	-	140.01	134.46	141.26	138.03	-	3.39	3.32	3.24	3.21
2654	Sanitary food containers .....	-	128.61	130.21	123.97	124.98	-	3.16	3.13	2.98	2.99

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>P</sup>	Aug. 1970 <sup>P</sup>	July 1970	Sept. 1969	Aug. 1969
	<i>Nondurable Goods--Continued</i>										
	<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
202	Dairy products.....	(*)	41.8	42.3	41.8	42.2	-	4.2	4.5	4.2	4.1
2024	Ice cream and frozen desserts.....	-	42.1	42.4	40.7	41.5	-	-	-	-	-
2026	Fluid milk.....	-	41.9	42.5	42.2	42.7	-	-	-	-	-
203	Canned, cured, and frozen foods.....	-	41.2	38.4	42.0	40.7	-	3.9	3.2	5.1	4.1
2031,6	Canned, cured and frozen sea foods.....	-	36.7	36.4	37.0	37.7	-	-	-	-	-
2032,3	Canned food, except sea foods.....	-	42.5	39.0	43.8	41.5	-	-	-	-	-
2037	Frozen fruits and vegetables.....	-	39.9	37.3	40.6	39.9	-	-	-	-	-
204	Grain mill products.....	(*)	45.7	45.7	46.1	45.7	-	7.1	7.4	8.0	7.5
2041	Flour and other grain mill product.....	-	47.1	46.1	47.1	46.7	-	-	-	-	-
2042	Prepared feeds for animals and fowls.....	-	46.7	47.2	47.1	47.1	-	-	-	-	-
205	Bakery products.....	39.7	39.7	40.1	40.2	40.4	-	3.4	3.7	4.1	3.9
2051	Bread, cake, and related products.....	-	39.6	40.0	40.1	40.4	-	-	-	-	-
2052	Cookies and crackers.....	-	40.0	40.4	40.7	40.4	-	-	-	-	-
206	Sugar.....	-	41.6	40.7	41.2	41.9	-	4.3	4.0	5.3	4.4
207	Confectionery and related products.....	(*)	40.3	39.3	40.0	40.0	-	2.7	2.2	3.0	3.1
2071	Confectionery products.....	-	39.9	38.5	39.5	39.5	-	-	-	-	-
208	Beverages.....	(*)	41.0	41.0	40.0	41.0	-	3.7	3.9	3.8	4.1
2082	Malt liquors.....	-	41.1	41.3	41.5	42.1	-	-	-	-	-
2086	Bottled and canned soft drinks.....	-	41.6	41.7	39.7	41.4	-	-	-	-	-
209	Misc. foods and kindred products.....	40.8	41.2	40.8	41.5	41.4	-	4.5	4.4	4.7	4.7
21	<b>TOBACCO MANUFACTURES</b> .....	38.8	37.8	37.5	39.0	37.5	-	1.8	1.5	1.9	1.5
211	Cigarettes.....	-	37.6	38.2	38.3	36.5	-	1.8	2.1	2.3	1.1
212	Cigars.....	-	37.2	36.4	38.1	37.9	-	1.2	.5	1.2	1.2
22	<b>TEXTILE MILL PRODUCTS</b> .....	39.1	39.9	39.9	41.0	41.0	-	3.2	3.1	4.2	4.0
221	Weaving mills, cotton.....	40.2	40.9	41.3	41.4	41.6	-	3.8	4.0	4.5	4.3
222	Weaving mills, synthetics.....	40.8	40.7	40.4	42.6	42.5	-	3.1	2.7	4.9	4.6
223	Weaving and finishing mills, wool.....	(*)	38.8	39.1	41.1	40.7	-	2.3	2.6	3.7	3.6
224	Narrow fabric mills.....	(*)	39.2	38.7	40.9	40.4	-	2.3	2.0	3.5	3.4
225	Knitting mills.....	(*)	38.1	38.1	38.5	38.9	-	2.3	2.5	2.8	2.8
2251	Women's hosiery, except socks.....	-	36.9	36.9	38.7	39.0	-	-	-	-	-
2252	Hosiery, n.e.c.....	-	37.6	37.8	37.1	37.7	-	-	-	-	-
2253	Knit outerwear mills.....	-	37.9	38.2	37.2	37.8	-	-	-	-	-
2254	Knit underwear mills.....	-	37.5	36.9	37.2	37.9	-	-	-	-	-
226	Textile finishing, except wool.....	40.4	40.7	40.7	42.3	41.9	-	3.7	3.4	5.2	5.0
227	Floor covering mills.....	-	42.9	41.4	44.3	44.0	-	4.9	3.6	6.5	6.0
228	Yarn and thread mills.....	38.5	39.4	39.4	40.6	4.07	-	2.9	2.9	3.8	3.7
229	Miscellaneous textile goods.....	(*)	40.8	40.6	42.5	41.9	-	3.5	3.3	4.9	4.7
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....	34.1	35.5	35.4	35.8	36.3	-	1.2	1.0	1.4	1.4
231	Men's and boys' suits and coats.....	(*)	34.3	34.9	37.1	37.5	-	.5	.3	1.3	1.4
232	Men's and boys' furnishings.....	(*)	36.8	36.6	36.8	37.1	-	1.2	1.1	1.2	1.3
2321	Men's and boys' shirts and nightwear.....	-	36.6	36.6	37.0	37.1	-	-	-	-	-
2327	Men's and boys' separate trousers.....	-	37.3	37.1	36.4	37.1	-	-	-	-	-
2328	Men's and boys' work clothing.....	-	36.4	36.5	36.7	36.9	-	-	-	-	-
233	Women's and misses' outerwear.....	31.5	33.4	33.6	33.4	34.3	-	1.0	1.0	1.1	1.2
2331	Women's and misses' blouses and waists.....	-	33.3	34.0	34.1	34.7	-	-	-	-	-
2335	Women's and misses' dresses.....	-	32.8	32.8	32.3	33.6	-	-	-	-	-
2337	Women's and misses' suits and coats.....	-	32.6	33.4	33.9	34.4	-	-	-	-	-
2339	Women's and misses' outerwear, n.e.c.....	-	35.6	35.4	35.4	35.6	-	-	-	-	-
234	Women's and children's undergarments.....	35.5	36.7	35.8	36.6	36.8	-	1.3	1.2	1.5	1.5
2341	Women's and children's underwear.....	-	36.8	36.0	36.9	37.1	-	-	-	-	-
2342	Corsets and allied garments.....	-	36.6	35.5	35.9	36.0	-	-	-	-	-
235	Hats, caps, and millinery.....	-	36.4	35.4	34.9	36.4	-	1.1	.8	.9	1.2
236	Children's outerwear.....	(*)	35.2	36.0	34.9	35.7	-	1.6	1.2	1.0	1.4
2361	Children's dresses and blouses.....	-	32.7	35.1	33.8	35.0	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel.....	-	36.2	35.6	36.0	36.7	-	1.2	.8	1.3	1.3
239	Misc. fabricated textile products.....	37.7	37.8	37.2	38.7	38.2	-	1.9	1.5	2.6	2.1
2391,2	Housefurnishings.....	-	37.8	37.2	38.5	38.4	-	-	-	-	-
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	41.6	41.8	41.7	43.3	43.1	-	4.6	4.4	5.8	5.5
261,2,6	Paper and pulp mills.....	(*)	43.8	43.6	44.7	44.8	-	6.0	5.8	6.7	6.6
263	Paperboard mills.....	(*)	44.0	45.0	45.5	45.6	-	6.9	7.2	8.0	8.0
264	Misc. converted paper products.....	(*)	40.2	40.1	41.8	41.1	-	3.2	2.9	4.3	3.9
2643	Bags, except textile bags.....	-	40.1	39.8	41.4	40.8	-	-	-	-	-
265	Paperboard containers and boxes.....	(*)	40.5	40.1	42.3	42.1	-	3.7	3.3	5.4	5.0
2651,2	Folding and setup paperboard boxes.....	-	39.7	39.4	41.0	41.1	-	-	-	-	-
2653	Corrugated and solid fiber boxes.....	-	41.3	40.5	43.0	43.0	-	-	-	-	-
2654	Sanitary food containers.....	-	40.7	41.6	41.6	41.8	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
	<i>Nondurable Goods--Continued</i>										
27	<b>PRINTING AND PUBLISHING</b> .....	\$148.85	\$149.33	\$148.18	\$144.75	\$142.82	\$3.98	\$3.94	\$3.92	\$3.75	\$3.70
271	Newspapers.....	155.45	149.81	149.39	145.35	145.84	4.33	4.22	4.22	4.06	4.04
272	Periodicals.....	-	171.75	168.90	170.83	163.49	-	4.22	4.16	4.01	3.93
273	Books.....	-	139.79	135.80	137.27	133.42	-	3.53	3.50	3.34	3.27
275	Commercial printing.....	(*)	155.59	154.81	149.69	148.10	(*)	4.01	3.99	3.78	3.74
2751	Commercial printing, ex. lithographic.....	-	150.54	150.54	144.60	142.99	-	3.90	3.88	3.67	3.62
2752	Commercial printing, lithographic.....	-	164.22	161.44	157.99	156.79	-	4.20	4.15	3.93	3.91
278	Blankbooks and bookbinding.....	(*)	113.32	113.84	110.38	106.88	(*)	2.99	2.98	2.92	2.82
274,6,7,9	Other publishing & printing ind.....	144.76	146.29	146.30	143.91	143.13	3.85	3.86	3.85	3.69	3.67
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	159.18	153.68	153.59	147.14	145.95	3.79	3.73	3.71	3.52	3.50
281	Industrial chemicals.....	(*)	171.38	172.18	163.74	163.31	(*)	4.10	4.08	3.88	3.87
2812	Alkalies and chlorine.....	-	184.38	181.77	166.10	169.69	-	4.20	4.15	3.89	3.91
2818	Industrial organic chemicals, n e c.....	-	179.75	183.61	173.01	172.55	-	4.29	4.29	4.09	4.06
2819	Industrial inorganic chemicals, n e c.....	-	163.17	161.93	155.63	156.00	-	3.97	3.94	3.75	3.75
282	Plastics materials and synthetics.....	164.31	152.40	153.04	144.82	145.51	3.76	3.69	3.67	3.44	3.44
2821	Plastics materials and resins.....	-	163.35	164.12	157.38	156.45	-	3.88	3.88	3.66	3.63
2823,4	Synthetic fibers.....	-	139.32	140.56	131.75	133.95	-	3.44	3.42	3.19	3.22
283	Drugs.....	141.84	142.44	141.20	138.51	134.64	3.60	3.57	3.53	3.37	3.30
2834	Pharmaceutical preparations.....	-	135.54	134.70	134.64	130.17	-	3.44	3.41	3.30	3.23
284	Soap, cleaners, and toilet goods.....	(*)	149.33	149.69	144.01	140.70	(*)	3.66	3.66	3.47	3.44
2841	Soap and other detergents.....	-	192.95	192.92	182.75	184.89	-	4.54	4.55	4.26	4.27
2844	Toilet preparations.....	-	120.40	118.50	115.37	109.48	-	3.01	2.97	2.87	2.80
285	Paints and allied products.....	141.75	144.90	145.25	137.27	134.89	3.50	3.50	3.50	3.34	3.29
287	Agricultural chemicals.....	132.99	129.47	128.96	124.74	122.72	3.22	3.15	3.13	2.97	2.95
2871,2	Fertilizers, complete & mixing only.....	-	124.80	124.09	119.29	115.92	-	3.00	2.99	2.82	2.80
286,9	Other chemical products.....	146.14	143.85	140.88	139.93	136.61	3.53	3.50	3.47	3.38	3.34
2892	Explosives.....	-	146.40	143.45	142.91	139.55	-	3.66	3.65	3.52	3.48
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	187.49	183.18	184.45	172.10	171.17	4.32	4.25	4.25	4.04	3.99
291	Petroleum refining.....	195.20	188.66	190.42	176.38	177.24	4.55	4.46	4.47	4.25	4.22
295,9	Other petroleum and coal products.....	(*)	165.26	166.52	158.12	152.64	(*)	3.64	3.62	3.43	3.34
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C</b> .....	128.48	130.41	129.68	129.90	126.28	3.22	3.22	3.21	3.13	3.08
301	Tires and inner tubes.....	(*)	180.50	179.35	197.86	188.29	(*)	4.36	4.26	4.32	4.26
302,3,6	Other rubber products.....	(*)	127.89	126.45	123.83	122.31	(*)	3.15	3.13	3.05	3.02
302	Rubber footwear.....	-	104.27	108.67	101.57	103.47	-	2.66	2.71	2.68	2.66
307	Miscellaneous plastics products.....	114.80	114.97	113.54	109.35	107.33	2.87	2.86	2.86	2.70	2.67
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	88.75	91.14	93.99	87.58	87.19	2.50	2.47	2.48	2.38	2.35
311	Leather tanning and finishing.....	121.91	120.20	119.34	117.61	117.41	3.11	3.09	3.06	2.97	2.95
314	Footwear, except rubber.....	84.70	88.45	92.83	83.85	84.04	2.42	2.41	2.43	2.31	2.29
312,3,5-7,5	Other leather products.....	87.93	89.67	88.45	86.58	85.93	2.47	2.43	2.43	2.34	2.31
316	Luggage.....	-	91.19	89.96	90.58	86.30	-	2.54	2.52	2.39	2.32
317	Handbags and personal leather goods.....	-	88.26	86.03	83.76	83.85	-	2.36	2.37	2.27	2.26
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	157.95	159.10	159.06	152.11	149.74	3.90	3.89	3.87	3.71	3.67
	<b>RAILROAD TRANSPORTATION</b>										
4011	Class I railroads <sup>2</sup> .....	-	(*)	(*)	166.43	161.25	-	(*)	(*)	3.74	3.75
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
411	Local and suburban transportation.....	-	147.32	146.72	134.83	134.30	-	3.45	3.42	3.18	3.16
413	Intercity highway transportation.....	-	177.94	170.98	169.58	176.58	-	4.10	4.11	3.99	4.05
42	<b>TRUCKING AND WAREHOUSING</b> .....	-	165.06	164.64	156.51	154.82	-	3.93	3.92	3.70	3.66
421,3	Trucking and trucking terminals.....	-	168.80	167.96	160.55	158.47	-	4.00	3.98	3.76	3.72
422	Public warehousing.....	-	124.31	121.97	112.22	111.74	-	3.10	3.08	2.93	2.88
46	<b>PIPE LINE TRANSPORTATION</b> .....	-	189.74	188.48	172.10	173.46	-	4.55	4.52	4.26	4.20
48	<b>COMMUNICATION</b> .....	-	133.33	134.30	136.42	132.33	-	3.41	3.40	3.36	3.30
481	Telephone communication.....	-	130.20	132.26	134.64	130.57	-	3.33	3.34	3.30	3.24
4817	Switchboard operating employees <sup>3</sup> .....	-	95.08	95.90	96.48	95.73	-	2.74	2.74	2.68	2.63
4818	Line construction employees <sup>4</sup> .....	-	186.85	189.39	195.91	188.20	-	4.18	4.19	4.09	4.03
482	Telegraph communication <sup>5</sup> .....	-	157.73	158.90	145.47	148.52	-	3.72	3.73	3.51	3.47
483	Radio and television broadcasting.....	-	150.54	143.64	147.06	140.96	-	3.91	3.77	3.80	3.69

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
<i>Nondurable Goods--Continued</i>											
27	<b>PRINTING AND PUBLISHING</b> .....	37.4	37.9	37.8	38.6	38.6	-	2.9	2.8	3.9	3.6
271	Newspapers.....	35.9	35.5	35.4	35.8	36.1	-	2.5	2.3	3.0	3.0
272	Periodicals.....	-	40.7	40.6	42.6	41.6	-	4.4	3.6	6.1	5.7
273	Books.....	-	39.6	38.8	41.1	40.8	-	3.2	2.6	4.1	4.0
275	Commercial printing.....	(*)	38.8	38.8	39.6	39.6	-	3.3	3.3	4.6	4.1
2751	Commercial printing, ex. lithographic.....	-	38.6	38.8	39.4	39.5	-	-	-	-	-
2752	Commercial printing, lithographic.....	-	39.1	38.9	40.2	40.1	-	-	-	-	-
278	Blankbooks and bookbinding.....	(*)	37.9	38.2	37.8	37.9	-	1.7	2.0	2.8	2.3
274,6,7,9	Other publishing & printing ind.....	37.6	37.9	38.0	39.0	39.0	-	2.4	2.6	3.4	3.5
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> ..	42.0	41.2	41.4	41.8	41.7	-	3.1	3.0	3.4	3.4
281	Industrial chemicals.....	(*)	41.8	42.2	42.2	42.2	-	3.4	3.5	3.8	3.9
2812	Alkalies and chlorine.....	-	43.9	43.8	42.7	43.4	-	-	-	-	-
2818	Industrial organic chemicals, n.e.c.....	-	41.9	42.8	42.3	42.5	-	-	-	-	-
2819	Industrial inorganic chemicals, n.e.c.....	-	41.1	41.1	41.5	41.6	-	-	-	-	-
282	Plastics materials and synthetics.....	43.7	41.3	41.7	42.1	42.3	-	3.0	2.7	3.0	3.5
2821	Plastics materials and resins.....	-	42.1	42.3	43.0	43.1	-	-	-	-	-
2823,4	Synthetic fibers.....	-	40.5	41.1	41.3	41.6	-	-	-	-	-
283	Drugs.....	39.4	39.9	40.0	41.1	40.8	-	2.2	2.0	3.3	3.0
2834	Pharmaceutical preparations.....	-	39.4	39.5	40.8	40.3	-	-	-	-	-
284	Soap, cleaners, and toilet goods.....	(*)	40.8	40.9	41.5	40.9	-	3.1	3.0	3.7	3.4
2841	Soap and other detergents.....	-	42.5	42.4	42.9	43.3	-	-	-	-	-
2844	Toilet preparations.....	-	40.0	39.9	40.2	39.1	-	-	-	-	-
285	Paints and allied products.....	40.5	41.4	41.5	41.1	41.0	-	3.5	3.6	3.4	3.0
287	Agricultural chemicals.....	41.3	41.1	41.2	42.0	41.6	-	3.8	3.7	3.9	3.4
2871,2	Fertilizers, complete & mixing only..	-	41.6	41.5	42.3	41.4	-	-	-	-	-
286,9	Other chemical products.....	41.4	41.1	40.6	41.4	40.9	-	2.9	2.4	3.3	2.9
7892	Explosives.....	-	40.0	39.3	40.6	40.1	-	-	-	-	-
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	43.4	43.1	43.4	42.6	42.9	-	3.8	4.0	4.3	4.0
291	Petroleum refining.....	42.9	42.3	42.6	41.5	42.0	-	2.7	2.8	3.1	2.8
295,9	Other petroleum and coal products.....	(*)	45.4	46.0	46.1	45.7	-	7.4	7.5	8.1	7.8
30	<b>RUBBER AND PLASTICS PRODUCTS, NEC.</b> ..	39.9	40.5	40.4	41.5	41.0	-	3.5	3.3	4.5	4.2
301	Tires and inner tubes.....	(*)	41.4	42.1	45.8	44.2	-	4.8	4.8	7.9	7.0
302,3,6	Other rubber products.....	(*)	40.6	40.4	40.6	40.5	-	3.1	2.8	3.5	3.6
302	Rubber footwear.....	-	39.2	40.1	37.9	38.9	-	1.9	2.3	1.8	2.6
307	Miscellaneous plastics products.....	40.0	40.2	39.7	40.5	40.2	-	3.2	3.1	3.8	3.7
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	35.5	36.9	37.9	36.8	37.1	-	1.5	1.6	1.8	1.7
311	Leather tanning and finishing.....	39.2	38.9	39.0	39.6	39.8	-	2.6	2.6	3.5	3.4
314	Footwear, except rubber.....	35.0	36.7	38.2	36.3	36.7	-	1.4	1.6	1.5	1.5
312,3,5-7,9	Other leather products.....	35.6	36.9	36.4	37.0	37.2	-	1.4	1.2	2.1	1.8
316	Luggage.....	-	35.9	35.7	37.9	37.2	-	.9	.8	3.1	2.2
317	Handbags and personal leather goods..	-	37.4	36.3	36.9	37.1	-	1.9	1.5	2.0	1.7
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.5	40.9	41.1	41.0	40.8	-	-	-	-	-
4011	<b>RAILROAD TRANSPORTATION:</b> Class I railroads <sup>2</sup> .....	-	(*)	(*)	44.5	43.0	-	-	-	-	-
411	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b> Local and suburban transportation.....	-	42.7	42.9	42.4	42.5	-	-	-	-	-
413	Intercity highway transportation.....	-	43.4	41.6	42.5	43.6	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING</b> .....	-	42.0	42.0	42.3	42.3	-	-	-	-	-
421,3	Trucking and trucking terminals.....	-	42.2	42.2	42.7	42.6	-	-	-	-	-
422	Public warehousing.....	-	40.1	39.6	38.3	38.8	-	-	-	-	-
46	<b>PIPE LINE TRANSPORTATION</b> .....	-	41.7	41.7	40.4	41.3	-	-	-	-	-
48	<b>COMMUNICATION</b> .....	-	39.1	39.5	40.6	40.1	-	-	-	-	-
481	Telephone communication.....	-	39.1	39.6	40.8	40.3	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	-	34.7	35.0	36.0	36.4	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	-	44.7	45.2	47.9	46.7	-	-	-	-	-
482	Telegraph communication <sup>5</sup> .....	-	42.4	42.6	42.3	42.8	-	-	-	-	-
483	Radio and television broadcasting.....	-	38.5	38.1	38.7	38.2	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	\$172.64	\$172.22	\$164.74	\$162.24	-	\$4.16	\$4.14	\$3.96	\$3.90
491	Electric companies and systems .....	-	177.24	177.24	169.24	167.14	-	4.23	4.23	4.02	3.97
492	Gas companies and systems .....	-	156.65	156.91	148.42	146.73	-	3.83	3.79	3.62	3.57
493	Combination companies and systems...	-	185.81	185.06	178.87	176.36	-	4.51	4.47	4.31	4.26
494-7	Water, steam, & sanitary systems .....	-	147.20	146.72	135.30	133.66	-	3.53	3.51	3.30	3.26
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	\$96.80	98.74	98.10	92.46	93.70	\$2.75	2.72	2.71	2.59	2.56
50	<b>WHOLESALE TRADE.....</b>	136.62	137.94	137.83	132.18	131.22	3.45	3.44	3.42	3.28	3.24
501	Motor vehicles & automotive equipment ..	-	131.05	129.83	123.82	121.95	-	3.22	3.19	3.02	2.96
502	Drugs, chemicals, and allied products...	-	142.27	140.66	134.70	132.83	-	3.62	3.57	3.41	3.38
503	Dry goods and apparel.....	-	126.88	127.16	121.50	121.22	-	3.42	3.40	3.24	3.19
504	Groceries and related products .....	-	130.09	130.06	124.75	123.41	-	3.22	3.18	3.05	3.01
506	Electrical goods.....	-	136.53	134.97	136.08	132.09	-	3.33	3.30	3.24	3.16
507	Hardware; plumbing & heating equipment	-	134.13	132.00	127.43	125.42	-	3.32	3.30	3.17	3.12
508	Machinery, equipment, and supplies.....	-	149.37	149.19	145.20	143.44	-	3.67	3.63	3.55	3.49
509	Miscellaneous wholesalers.....	-	140.18	140.14	133.12	133.20	-	3.54	3.53	3.37	3.33
52-59	<b>RETAIL TRADE.....</b>	83.82	85.40	85.16	79.69	81.19	2.48	2.44	2.44	2.33	2.30
53	Retail general merchandise .....	-	79.20	78.63	73.42	74.25	-	2.40	2.39	2.28	2.25
531	Department stores .....	-	82.94	82.37	77.52	78.48	-	2.56	2.55	2.43	2.40
532	Mail order houses .....	-	96.23	96.63	87.24	88.80	-	2.58	2.57	2.41	2.40
533	Variety stores .....	-	59.21	59.52	55.43	56.98	-	1.91	1.92	1.86	1.85
54	Food stores.....	-	91.60	90.92	84.88	87.21	-	2.71	2.69	2.58	2.55
541-3	Grocery, meat, and vegetable stores ..	-	93.50	93.09	86.13	88.49	-	2.75	2.73	2.61	2.58
56	Apparel and accessory stores .....	-	73.92	75.14	69.22	70.62	-	2.24	2.27	2.17	2.14
561	Men's & boys' clothing & furnishings ..	-	91.35	92.22	85.06	86.00	-	2.61	2.65	2.48	2.45
562	Women's ready-to-wear stores .....	-	65.94	66.36	62.51	64.20	-	2.08	2.10	2.01	2.00
565	Family clothing stores.....	-	71.28	72.87	65.07	67.80	-	2.06	2.10	1.99	2.03
566	Shoe stores.....	-	74.65	75.21	71.07	71.07	-	2.29	2.30	2.30	2.18
57	Furniture and home furnishings stores ..	-	111.89	110.54	105.93	105.64	-	2.96	2.94	2.78	2.75
571	Furniture and home furnishings.....	-	111.67	111.00	105.75	106.30	-	2.97	2.96	2.82	2.79
58	Eating and drinking places <sup>6</sup> .....	-	60.87	59.94	55.83	58.29	-	1.85	1.85	1.75	1.74
52,55,59	Other retail trade.....	-	105.54	105.15	98.68	100.23	-	2.72	2.71	2.59	2.57
52	Building materials and farm equipment	-	114.33	114.09	107.33	107.83	-	2.83	2.81	2.67	2.63
551,2	Motor vehicle dealers .....	-	136.12	136.94	128.61	130.06	-	3.32	3.34	3.16	3.18
553,9	Other automotive & accessory dealers ..	-	115.23	113.84	110.24	110.40	-	2.77	2.73	2.65	2.61
591	Drug stores and proprietary stores .....	-	77.92	78.02	72.13	74.48	-	2.34	2.35	2.24	2.21
594	Book and stationery stores .....	-	90.11	90.82	83.64	87.90	-	2.56	2.58	2.46	2.49
598	Fuel and ice dealers.....	-	117.83	118.28	115.02	115.43	-	2.86	2.85	2.84	2.85
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup></b>	113.34	113.65	112.61	108.41	108.04	3.08	3.08	3.06	2.93	2.92
60	Banking.....	-	104.07	102.86	98.85	98.47	-	2.79	2.78	2.65	2.64
61	Credit agencies other than banks .....	-	106.69	105.00	99.11	99.64	-	2.83	2.80	2.65	2.65
612	Savings and loan associations .....	-	103.88	102.95	96.05	96.42	-	2.80	2.76	2.61	2.62
62	Security, commodity brokers & services ..	-	163.76	166.13	170.54	170.29	-	4.45	4.49	4.56	4.59
63	Insurance carriers .....	-	122.51	121.77	114.76	114.02	-	3.32	3.30	3.11	3.09
631	Life insurance .....	-	124.85	124.10	116.96	116.89	-	3.43	3.40	3.24	3.22
632	Accident and health insurance .....	-	112.89	111.94	101.28	101.52	-	3.11	3.05	2.79	2.82
633	Fire, marine, and casualty insurance ..	-	122.95	121.97	115.60	114.84	-	3.27	3.27	3.05	3.03
-	<b>SERVICES.....</b>	100.40	100.10	98.77	92.38	92.49	2.91	2.86	2.83	2.67	2.62
701	Hotels and other lodging places: Hotels, tourist courts, and motels <sup>6</sup> ..	-	69.29	68.45	64.73	65.34	-	1.93	1.95	1.86	1.80
721	Personal Services: Laundries and dry cleaning plants.....	-	78.84	78.26	74.05	73.93	-	2.19	2.18	2.04	2.02
722	Photographic studios .....	-	91.35	94.10	86.25	84.24	-	2.61	2.55	2.35	2.34
781	Motion pictures: Motion picture filming & distributing ..	-	193.52	193.52	184.61	183.77	-	4.79	4.72	4.65	4.56

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**C-2: Gross hours and earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls, by industry--Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
-	<b>TRANSPORTATION AND PUBLIC UTILITIES--Continued</b>										
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	-	41.5	41.6	41.6	41.6	-	-	-	-	-
491	Electric companies and systems.....	-	41.9	41.9	42.1	42.1	-	-	-	-	-
492	Gas companies and systems.....	-	40.9	41.4	41.0	41.1	-	-	-	-	-
493	Combination companies and systems..	-	41.2	41.4	41.5	41.4	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	41.7	41.8	41.0	41.0	-	-	-	-	-
-	<b>WHOLESALE AND RETAIL TRADE.....</b>	35.2	36.3	36.2	35.7	36.6	-	-	-	-	-
50	<b>WHOLESALE TRADE.....</b>	39.6	40.1	40.3	40.3	40.5	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	40.7	40.7	41.0	41.2	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	39.3	39.4	39.5	39.3	-	-	-	-	-
503	Dry goods and apparel.....	-	37.1	37.4	37.5	38.0	-	-	-	-	-
504	Groceries and related products.....	-	40.4	40.9	40.9	41.0	-	-	-	-	-
506	Electrical goods.....	-	41.0	40.9	42.0	41.8	-	-	-	-	-
507	Hardware, plumbing & heating equipment	-	40.4	40.0	40.2	40.2	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	40.7	41.1	40.9	41.1	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.6	39.7	39.5	40.0	-	-	-	-	-
52-59	<b>RETAIL TRADE.....</b>	33.8	35.0	34.9	34.2	35.3	-	-	-	-	-
53	Retail general merchandise.....	-	33.0	32.9	32.2	33.0	-	-	-	-	-
531	Department stores.....	-	32.4	32.3	31.9	32.7	-	-	-	-	-
532	Mail order houses.....	-	37.3	37.6	36.2	37.0	-	-	-	-	-
533	Variety stores.....	-	31.0	31.0	29.8	30.8	-	-	-	-	-
54	Food stores.....	-	33.8	33.8	32.9	34.2	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	34.0	34.1	33.0	34.3	-	-	-	-	-
56	Apparel and accessory stores.....	-	33.0	33.1	31.9	33.0	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	35.0	34.8	34.3	35.1	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	31.7	31.6	31.1	32.1	-	-	-	-	-
565	Family clothing stores.....	-	34.6	34.7	32.7	33.4	-	-	-	-	-
566	Shoe stores.....	-	32.6	32.7	30.9	32.6	-	-	-	-	-
57	Furniture and home furnishings stores..	-	37.8	37.6	37.3	38.0	-	-	-	-	-
571	Furniture and home furnishings.....	-	37.6	37.5	37.5	38.1	-	-	-	-	-
58	Eating and drinking places <sup>6</sup> .....	-	32.9	32.4	31.9	33.5	-	-	-	-	-
52,55,59	Other retail trade.....	-	38.8	38.8	38.1	39.0	-	-	-	-	-
52	Building materials and farm equipment	-	40.4	40.6	40.2	41.0	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	41.0	41.0	40.7	40.9	-	-	-	-	-
553,9	Other automotive & accessory dealers.	-	41.6	41.7	41.6	42.3	-	-	-	-	-
591	Drug stores and proprietary stores...	-	33.3	33.2	32.2	33.7	-	-	-	-	-
594	Book and stationery stores.....	-	35.2	35.2	34.0	35.3	-	-	-	-	-
598	Fuel and ice dealers.....	-	41.2	41.5	40.5	40.5	-	-	-	-	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>7</sup>.....</b>	36.8	36.9	36.8	37.0	37.0	-	-	-	-	-
60	Banking.....	-	37.3	37.0	37.3	37.3	-	-	-	-	-
61	Credit agencies other than banks.....	-	37.7	37.5	37.4	37.6	-	-	-	-	-
612	Savings and loan associations.....	-	37.1	37.3	36.8	36.8	-	-	-	-	-
62	Security, commodity brokers & services.	-	36.8	37.0	37.4	37.1	-	-	-	-	-
63	Insurance carriers.....	-	36.9	36.9	36.9	36.9	-	-	-	-	-
631	Life insurance.....	-	36.4	36.5	36.1	36.3	-	-	-	-	-
632	Accident and health insurance.....	-	36.3	36.7	36.3	36.0	-	-	-	-	-
633	Fire, marine, and casualty insurance..	-	37.6	37.3	37.9	37.9	-	-	-	-	-
-	<b>SERVICES.....</b>	34.5	35.0	34.9	34.6	35.3	-	-	-	-	-
701	Hotels and other lodging places: Hotels, tourist courts, and motels <sup>6</sup> ...	-	35.9	35.1	34.8	36.3	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	36.0	35.9	36.3	36.6	-	-	-	-	-
722	Photographic studios.....	-	35.0	36.9	36.7	36.0	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing..	-	40.4	41.0	39.7	40.3	-	-	-	-	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Beginning January 1965, data relate to railroads with operating revenues of \$5,000,000 or more. January 1970: \$163.84, \$3.82, and 44.2.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Data relate to nonsupervisory employees except messengers.

<sup>6</sup> Money payments only; tips, not included.

<sup>7</sup> 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					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
<b>EXECUTIVE BRANCH</b>													
Total employment . . . . .	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	2,697.3	2,767.2	2,804.5
Average weekly hours . . . . .	38.9	36.6	38.2	39.0	39.0	39.5	39.2	39.6	39.6	39.5	39.3	39.6	39.4
Average overtime hours . . . . .	.8	.8	.9	1.0	.9	1.0	1.0	1.5	1.0	.9	1.0	.9	.8
Indexes (1965=100):													
Average weekly earnings . . . . .	132.6	127.6	132.9	133.7	127.6	128.9	128.2	130.4	128.7	127.2	126.0	124.7	119.1
Average hourly earnings . . . . .	138.0	141.2	140.9	138.9	132.5	132.2	132.5	133.3	131.6	130.4	129.8	127.5	123.7
<b>DEPARTMENT OF DEFENSE</b>													
Total employment . . . . .	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	1,111.6	1,142.9	1,167.5
Average weekly hours . . . . .	39.9	39.3	39.7	40.0	40.0	40.0	39.2	39.1	39.8	40.1	39.6	39.8	38.5
Average overtime hours . . . . .	.7	.8	.7	.7	.8	.8	.8	.8	.8	.8	.9	1.0	.9
Indexes (1965=100):													
Average weekly earnings . . . . .	134.4	136.0	137.9	136.4	130.2	130.2	127.3	128.1	128.4	126.8	125.2	123.8	118.4
Average hourly earnings . . . . .	137.4	141.1	141.7	139.1	132.7	132.7	132.4	133.6	131.6	129.0	129.0	126.9	125.5
<b>POST OFFICE DEPARTMENT</b>													
Total employment . . . . .	726.8	723.9	716.5	716.0	713.9	724.8	725.2	793.6	726.1	725.5	726.5	741.0	739.8
Average weekly hours . . . . .	38.5	38.7	38.7	39.0	38.0	39.1	39.2	40.8	39.7	38.8	38.7	38.7	39.1
Average overtime hours . . . . .	.7	.9	1.2	1.6	1.3	1.4	1.6	3.3	1.5	1.3	1.2	.9	.8
Indexes (1965=100):													
Average weekly earnings . . . . .	123.1	124.6	125.3	126.8	116.3	119.4	120.6	127.2	121.5	118.4	117.8	116.6	117.8
Average hourly earnings . . . . .	132.0	133.0	133.7	134.3	126.4	126.1	127.1	128.7	126.4	126.1	125.7	124.4	124.4
<b>OTHER AGENCIES</b>													
Total employment . . . . .	901.6	904.1	964.0	1,032.6	950.5	864.4	853.2	847.4	852.1	851.3	859.2	883.3	897.2
Average weekly hours . . . . .	38.1	32.7	36.0	37.9	38.7	39.2	39.2	39.1	39.3	39.3	39.4	40.0	39.6
Average overtime hours . . . . .	1.0	.8	.8	.8	.8	.8	.9	.8	.9	.8	.8	.8	.8
Indexes (1965=100):													
Average weekly earnings . . . . .	137.2	121.4	132.6	136.3	134.1	135.3	135.8	136.0	135.6	135.1	133.8	131.4	122.0
Average hourly earnings . . . . .	142.3	146.6	145.5	142.0	136.9	136.3	136.9	137.4	136.3	135.8	134.1	129.8	121.7

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of the executive branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers, both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

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

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Sept. 1970	Aug. 1970	July 1970	Sept. 1969	Aug. 1969
<b>MANUFACTURING</b> . . . . .	\$ 3.30	\$ 3.25	\$ 3.25	\$ 3.09	\$ 3.06
<b>DURABLE GOODS</b> . . . . .	3.51	3.46	3.45	3.28	3.24
Ordnance and accessories . . . . .	-	3.52	3.51	3.36	3.33
Lumber and wood products . . . . .	-	2.92	2.87	2.71	2.67
Furniture and fixtures . . . . .	-	2.72	2.71	2.57	2.54
Stone, clay, and glass products . . . . .	-	3.25	3.25	3.06	3.03
Primary metal industries . . . . .	-	3.86	3.80	3.67	3.66
Fabricated metal products . . . . .	-	3.42	3.40	3.22	3.17
Machinery, except electrical . . . . .	-	3.65	3.65	3.44	3.40
Electrical equipment and supplies . . . . .	-	3.23	3.23	3.02	2.99
Transportation equipment . . . . .	-	3.95	3.92	3.75	3.75
Instruments and related products . . . . .	-	3.28	3.24	3.07	3.05
Miscellaneous manufacturing industries . . . . .	-	2.75	2.76	2.58	2.56
<b>NONDURABLE GOODS</b> . . . . .	3.02	2.97	2.98	2.82	2.80
Food and kindred products . . . . .	-	2.96	3.01	2.80	2.78
Tobacco manufactures . . . . .	-	2.72	2.96	2.45	2.44
Textile mill products . . . . .	-	2.34	2.34	2.29	2.27
Apparel and other textile products . . . . .	-	2.37	2.35	2.30	2.27
Paper and allied products . . . . .	-	3.30	3.29	3.10	3.09
Printing and publishing . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Chemicals and allied products . . . . .	-	3.59	3.58	3.38	3.36
Petroleum and coal products . . . . .	-	4.07	4.07	3.84	3.82
Rubber and plastics products, n e c . . . . .	-	3.09	3.08	2.97	2.93
Leather and leather products . . . . .	-	2.42	2.43	2.32	2.30

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

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

p = preliminary.

## ESTABLISHMENT DATA HOURS AND EARNINGS

**C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers<sup>1</sup>  
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		
	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969
<b>TOTAL PRIVATE:</b>									
Current dollars	\$122.20	\$121.45	\$116.59	\$97.99	\$97.43	\$92.41	\$106.78	\$106.18	\$101.51
1957-59 dollars	89.85	89.50	90.59	72.05	71.80	71.80	78.51	78.25	78.87
<b>MINING:</b>									
Current dollars	163.58	163.88	156.96	129.04	129.27	121.91	139.82	140.07	132.85
1957-59 dollars	120.28	120.77	121.96	94.88	95.26	94.72	102.81	103.22	103.22
<b>CONTRACT CONSTRUCTION:</b>									
Current dollars	203.67	200.20	187.68	159.01	156.53	144.92	172.67	169.87	157.79
1957-59 dollars	149.76	147.53	145.83	116.92	115.35	112.60	126.96	125.18	122.60
<b>MANUFACTURING:</b>									
Current dollars	134.13	134.46	129.92	106.92	107.17	102.20	116.22	116.48	111.75
1957-59 dollars	98.63	99.09	100.95	78.62	78.98	79.41	85.46	85.84	86.83
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
Current dollars	159.10	159.06	149.74	125.59	125.56	116.49	136.13	136.10	127.00
1957-59 dollars	116.99	117.21	116.35	92.35	92.53	90.51	100.10	100.29	98.68
<b>WHOLESALE AND RETAIL TRADE:</b>									
Current dollars	98.74	98.10	93.70	80.41	79.91	75.47	88.31	87.81	84.00
1957-59 dollars	72.60	72.29	72.80	59.13	58.89	58.64	64.93	64.71	65.27
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Current dollars	113.65	112.61	108.04	91.58	90.80	86.13	100.00	99.19	95.00
1957-59 dollars	83.57	82.98	83.95	67.34	66.91	66.92	73.53	73.10	73.82
<b>SERVICES:</b>									
Current dollars	100.10	98.77	92.49	81.43	80.43	74.54	89.38	88.34	83.03
1957-59 dollars	73.60	72.79	71.86	59.88	59.27	57.92	65.72	65.10	64.51
<b>CONSUMER PRICE INDEX</b> (All items, 1957-59 = 100)	136.0	135.7	128.7	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.					

<sup>1</sup>For 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 activities<sup>1</sup>**

Industry	1957-59=100				
	Sept. 1970 <sup>p</sup>	Aug. 1970 <sup>p</sup>	July 1970	Sept. 1969	Aug. 1969
<b>TOTAL</b>	111.4	113.2	112.1	123.1	122.2
<b>MINING</b>	79.3	81.9	82.2	83.2	84.6
<b>CONTRACT CONSTRUCTION</b>	113.7	127.2	125.9	134.4	135.4
<b>MANUFACTURING</b>	112.6	112.2	111.1	123.1	121.7
<b>DURABLE GOODS</b>	115.4	113.0	113.7	129.0	126.1
Ordnance and accessories	141.5	144.5	146.0	199.2	202.8
Lumber and wood products	88.5	91.2	89.9	96.4	98.2
Furniture and fixtures	118.0	119.5	114.0	132.5	133.4
Stone, clay, and glass products	109.5	109.7	108.5	116.8	117.6
Primary metal industries	108.0	106.0	107.5	117.3	116.1
Fabricated metal products	123.2	121.4	120.4	134.0	131.2
Machinery, except electrical	120.5	122.0	125.3	139.0	134.9
Electrical equipment and supplies	135.7	135.9	135.2	150.7	148.0
Transportation equipment	110.7	95.5	100.6	126.3	117.2
Instruments and related products	117.5	119.9	120.6	133.0	132.5
Miscellaneous manufacturing industries	104.1	104.9	99.2	114.6	113.1
<b>NONDURABLE GOODS</b>	109.0	111.1	107.6	115.3	115.9
Food and kindred products	106.9	109.2	99.3	110.1	109.8
Tobacco manufactures	82.1	85.6	66.8	99.5	90.8
Textile mill products	97.1	99.2	97.9	106.3	106.7
Apparel and other textile products	108.6	113.6	109.4	117.2	119.2
Paper and allied products	116.6	117.0	116.1	122.9	123.1
Printing and publishing	117.8	117.5	117.6	121.7	121.1
Chemicals and allied products	122.2	120.7	121.2	124.6	126.4
Petroleum and coal products	84.5	86.0	87.3	84.4	86.6
Rubber and plastics products, nec.	153.7	155.6	154.3	169.4	167.5
Leather and leather products	79.6	85.3	86.7	86.4	91.4
	<b>Payrolls</b>				
<b>MINING</b>	123.5	126.2	125.9	121.6	122.0
<b>CONTRACT CONSTRUCTION</b>	215.2	238.3	231.9	234.1	230.4
<b>MANUFACTURING</b>	182.6	178.6	177.0	188.7	184.0

<sup>1</sup>For 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 workers<sup>1</sup>  
on private nonagricultural payrolls, seasonally adjusted**

Industry	1970					1969							
	Sept. P	Aug. P	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>TOTAL PRIVATE</b> .....	36.8	37.2	37.3	37.2	37.1	37.2	37.4	37.3	37.5	37.6	37.6	37.5	37.7
<b>MINING</b> .....	42.1	42.1	42.5	42.4	42.6	43.1	43.2	43.4	42.7	43.2	43.5	43.0	43.1
<b>CONTRACT CONSTRUCTION</b> .....	34.7	37.3	37.4	37.6	38.1	38.3	38.0	38.2	36.7	38.2	38.1	37.6	38.1
<b>MANUFACTURING</b> .....	39.4	39.8	40.1	39.8	39.8	40.0	40.2	39.9	40.3	40.7	40.5	40.5	40.7
<i>Overtime hours</i> .....	2.7	3.0	3.0	3.1	2.9	3.0	3.2	3.2	3.3	3.5	3.5	3.5	3.6
<b>DURABLE GOODS</b> .....	40.1	40.3	40.7	40.4	40.3	40.4	40.7	40.5	41.0	41.3	41.1	41.2	41.4
<i>Overtime hours</i> .....	2.7	2.9	3.1	3.2	3.0	3.0	3.2	3.2	3.4	3.6	3.5	3.6	3.8
Ordnance and accessories .....	39.7	40.3	40.3	40.6	40.8	41.1	41.1	41.3	40.6	40.5	40.3	40.2	40.3
Lumber and wood products .....	39.2	39.9	39.8	39.6	39.7	39.8	39.5	40.1	39.6	40.3	40.2	39.9	40.0
Furniture and fixtures .....	38.5	39.0	39.3	38.9	38.8	39.3	39.4	39.3	39.5	40.0	40.0	39.9	40.1
Stone, clay, and glass products .....	40.8	41.0	41.2	41.1	41.3	41.6	41.8	41.7	41.7	42.1	41.8	41.7	41.9
Primary metal industries .....	41.1	40.5	40.7	40.4	40.2	40.1	40.7	40.9	41.2	41.7	41.6	42.1	42.1
Fabricated metal products .....	40.0	40.5	41.3	40.9	40.6	40.9	41.2	41.1	41.4	41.5	41.4	41.4	41.5
Machinery, except electrical .....	39.9	40.9	41.1	41.1	41.1	41.4	41.8	41.9	42.2	42.6	42.2	42.4	42.6
Electrical equipment and supplies .....	38.9	39.9	40.4	39.5	39.7	40.0	40.2	39.7	40.5	40.3	40.1	40.2	40.4
Transportation equipment .....	42.0	40.7	41.2	41.6	40.3	39.7	40.4	40.3	40.2	41.4	40.7	41.2	41.6
Instruments and related products .....	38.5	40.0	40.3	40.2	40.1	40.5	40.7	40.2	40.7	40.9	40.9	40.7	41.0
Miscellaneous manufacturing industries .....	37.7	38.4	39.1	38.6	38.7	39.0	39.0	38.6	39.3	39.3	38.9	38.9	39.0
<b>NONDURABLE GOODS</b> .....	38.5	39.2	39.3	39.0	39.1	39.4	39.4	39.3	39.6	39.8	39.6	39.6	39.7
<i>Overtime hours</i> .....	2.5	3.0	2.9	3.0	3.0	3.0	3.2	3.2	3.4	3.3	3.3	3.3	3.3
Food and kindred products .....	39.9	40.8	40.2	40.3	40.7	40.6	40.5	40.7	41.0	40.8	40.8	40.6	40.9
Tobacco manufactures .....	37.2	37.5	37.9	37.4	37.1	38.3	37.5	37.3	38.3	36.2	37.2	37.3	37.4
Textile mill products .....	38.8	39.8	40.3	40.0	39.8	40.6	40.2	40.1	40.4	40.9	40.7	40.6	40.7
Apparel and other textile products .....	34.1	35.1	35.5	35.2	35.1	35.5	35.6	35.5	35.6	36.0	35.8	35.8	35.8
Paper and allied products .....	41.2	41.6	41.7	41.6	41.8	42.1	42.2	42.3	42.8	42.8	42.7	42.8	42.9
Printing and publishing .....	37.1	37.7	37.9	37.7	37.7	37.9	38.0	38.0	38.2	38.6	38.4	38.2	38.3
Chemicals and allied products .....	42.0	41.3	41.5	41.5	41.5	41.4	41.8	41.8	42.0	41.8	41.8	41.7	41.8
Petroleum and coal products .....	43.0	43.0	42.6	42.6	42.5	41.9	42.2	42.7	42.5	42.3	42.6	42.6	42.2
Rubber and plastics products, nec .....	39.4	40.4	40.8	40.4	40.0	40.7	40.7	41.0	40.9	41.1	40.8	40.9	41.0
Leather and leather products .....	35.8	36.7	37.6	37.6	37.7	37.4	37.4	37.1	37.5	37.7	37.3	37.2	37.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.3	40.6	40.7	40.6	40.6	40.2	40.6	40.7	40.7	40.8	40.7	40.9	40.8
<b>WHOLESALE AND RETAIL TRADE</b> .....	35.1	35.4	35.4	35.4	35.4	35.3	35.3	35.4	35.4	35.5	35.5	35.5	35.6
<b>WHOLESALE TRADE</b> .....	39.6	39.9	40.0	39.9	40.1	40.1	40.1	40.2	40.3	40.5	40.3	40.3	40.3
<b>RETAIL TRADE</b> .....	33.9	33.9	33.9	33.8	33.9	33.7	33.8	33.7	33.8	33.8	34.0	34.0	34.1
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.9	36.9	36.8	36.7	36.8	36.9	37.0	37.0	36.9	36.9	37.2	37.0	37.1
<b>SERVICES</b> .....	34.6	34.7	34.6	34.4	34.5	34.4	34.7	34.4	34.4	34.6	34.7	34.6	34.7

<sup>1</sup>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 activities<sup>1</sup>  
seasonally adjusted**

Industry	1957-59=100												
	1970									1969			
	Sept. P	Aug. P	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
<b>TOTAL</b> .....	107.4	109.8	111.3	111.3	111.7	114.1	115.5	115.6	115.4	117.8	117.1	117.9	118.7
<b>MINING</b> .....	77.6	78.4	79.1	79.3	79.5	81.1	81.6	82.2	80.9	81.8	82.0	81.1	81.5
<b>CONTRACT CONSTRUCTION</b> .....	101.4	111.8	112.7	113.4	116.0	119.7	120.6	121.1	113.4	122.5	121.4	118.8	120.1
<b>MANUFACTURING</b> .....	110.0	111.0	112.7	112.6	112.6	114.7	116.3	116.1	117.5	118.7	118.1	119.6	120.3
<b>DURABLE GOODS</b> .....	113.6	114.1	116.1	116.2	116.3	118.5	120.8	120.0	121.8	124.1	123.3	126.4	127.1
Ordnance and accessories .....	140.7	146.3	148.5	156.5	161.9	165.4	174.6	180.1	178.2	186.9	190.5	192.3	197.3
Lumber and wood products .....	86.0	87.0	87.2	87.5	88.7	89.5	90.1	92.1	92.4	94.2	93.6	92.6	93.7
Furniture and fixtures .....	115.2	116.7	117.9	116.4	117.0	122.0	123.6	123.3	125.5	127.4	127.7	128.7	129.4
Stone, clay, and glass products .....	105.8	104.8	105.2	106.2	106.9	108.9	110.5	111.3	110.9	113.5	112.5	112.2	112.7
Primary metal industries .....	108.7	106.0	106.5	105.8	105.6	106.6	109.6	111.1	113.4	116.5	116.8	118.6	118.0
Fabricated metal products .....	120.4	121.4	123.8	122.5	121.9	125.0	126.9	126.9	129.0	130.5	129.7	129.8	131.2
Machinery, except electrical .....	120.8	124.6	127.6	128.1	129.9	133.4	136.2	136.5	137.7	139.8	137.8	139.1	139.3
Electrical equipment and supplies .....	133.7	136.2	140.1	137.8	138.2	141.3	143.0	140.8	135.7	136.0	136.3	148.5	148.5
Transportation equipment .....	107.6	104.7	106.9	109.6	106.8	107.4	110.4	104.7	112.0	116.9	116.1	121.7	123.6
Instruments and related products .....	116.9	119.7	122.8	123.4	125.7	128.3	128.9	127.3	128.9	130.9	130.9	130.7	132.1
Miscellaneous manufacturing industries .....	98.8	101.3	103.5	103.1	104.0	105.7	108.0	108.1	110.1	112.7	107.1	108.7	108.6
<b>NONDURABLE GOODS</b> .....	105.2	107.1	108.3	107.9	107.7	109.8	110.4	110.8	111.9	111.8	111.4	110.7	111.4
Food and kindred products .....	95.0	97.4	95.8	96.9	98.0	97.8	99.0	100.0	99.5	98.0	98.1	95.4	97.8
Tobacco manufactures .....	64.6	77.7	77.4	76.4	76.9	78.2	76.6	76.2	78.2	70.6	76.0	77.3	78.7
Textile mill products .....	95.8	98.2	99.9	99.5	100.2	103.1	102.2	102.7	104.8	105.6	104.9	104.6	105.1
Apparel and other textile products .....	107.6	110.9	113.9	112.1	111.0	113.7	114.2	114.1	116.0	116.9	115.8	115.9	116.0
Paper and allied products .....	114.8	114.9	115.8	116.6	117.5	119.5	120.2	120.2	121.9	121.7	120.7	121.0	121.3
Printing and publishing .....	116.8	117.1	118.4	117.6	118.0	119.7	120.5	120.5	121.3	122.6	121.8	121.0	120.6
Chemicals and allied products .....	122.4	119.8	120.9	120.5	121.1	121.6	123.4	124.0	125.2	124.8	124.6	124.3	125.0
Petroleum and coal products .....	82.4	83.1	83.0	83.0	82.8	81.7	82.9	83.9	83.5	82.4	83.0	83.0	82.2
Rubber and plastics products, nec .....	151.1	154.6	159.3	154.2	144.9	161.1	162.1	163.7	165.1	165.2	164.7	165.5	166.6
Leather and leather products .....	80.3	83.5	87.7	88.0	87.6	87.2	86.9	86.5	88.7	89.5	88.2	88.3	87.1

<sup>1</sup> 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 <sup>1</sup>			Percent change <sup>2</sup>		
	Sept. 1970 P	August 1970 P	July 1970	August 1970 to Sept. 1970	July 1970 to August 1970	Sept. 1969 to Sept. 1970
	<b>TOTAL - ALL INDUSTRIES</b> .....	137,074	138,175	138,698	- 9.2	- 4.4
<b>TOTAL - PRIVATE</b> .....	111,208	112,352	112,920	-11.6	- 5.9	- 2.9
<b>MINING</b> .....	1,344	1,357	1,366	-10.9	- 7.6	- 3.6
<b>CONTRACT CONSTRUCTION</b> .....	5,832	6,403	6,445	-67.4	- 7.5	-14.3
<b>MANUFACTURING</b> .....	39,493	39,783	40,264	- 8.4	-13.4	- 7.0
<b>TRANSPORTATION AND PUBLIC   UTILITIES</b> .....	9,485	9,547	9,606	- 7.5	- 7.1	0.4
<b>WHOLESALE AND RETAIL TRADE</b> .....	27,252	27,446	27,489	- 8.2	- 1.9	0.0
<b>FINANCE, INSURANCE, AND REAL   ESTATE</b> .....	7,052	7,038	7,034	2.4	0.7	2.0
<b>SERVICES</b> .....	20,750	20,778	20,716	- 1.6	3.7	1.8
<b>GOVERNMENT</b> .....	25,866	25,823	25,778	2.0	2.1	3.1

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

<sup>2</sup> 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 <sup>1</sup>		Real compensation per man-hour <sup>2</sup>		Unit labor costs		Unit nonlabor payments <sup>3</sup>		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 <sup>p</sup>	159.3	161.9	113.8	120.4	139.9	134.4	184.9	177.5	137.5	132.0	132.2	132.1	125.2	124.7	129.5	129.4
3d quarter																
4th quarter																
Annual average																
Percent change over previous quarter at annual rate <sup>4</sup>																
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 <sup>p</sup>	0.1	- 0.1	- 2.9	- 3.3	3.1	3.3	5.1	5.6	- 1.3	- 0.9	1.9	2.2	8.2	9.3	4.1	4.6
3d quarter																
4th quarter																
Percent change over previous year <sup>5</sup>																
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 <sup>p</sup>	- 0.3	- 0.3	- 1.1	- 0.6	0.8	0.3	7.2	6.8	1.1	0.7	6.4	6.5	1.6	1.4	4.6	4.6
3d quarter																
4th quarter																

<sup>1</sup> 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.

<sup>2</sup> Compensation per man-hour adjusted for changes in the consumer price index.

<sup>3</sup> Nonlabor payments include profits, depreciation, interest, rental income, and indirect taxes.

<sup>4</sup> Percent change computed from original data.

<sup>5</sup> Current quarter divided by comparable quarter a year ago.

p = preliminary.

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.



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

**C-11: 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		
	Aug. p 1970	July 1970	Aug. 1969	Aug. p 1970	July 1970	Aug. 1969	Aug. p 1970	July 1970	Aug. 1969
ALABAMA .....	\$114.69	\$114.86	\$112.61	40.1	40.3	41.1	\$2.86	\$2.85	\$2.74
Birmingham .....	135.20	133.66	132.43	40.0	39.9	41.0	3.38	3.35	3.23
Mobile .....	(*)	135.46	135.26	(*)	40.8	42.4	(*)	3.32	3.19
ALASKA .....	(*)	206.83	192.28	(*)	46.9	43.7	(*)	4.41	4.40
ARIZONA .....	134.53	130.07	125.96	40.4	39.9	40.5	3.33	3.26	3.11
Phoenix .....	132.93	130.28	127.58	39.8	39.6	40.5	3.34	3.29	3.15
Tucson .....	136.03	136.21	127.92	41.6	41.4	41.0	3.27	3.29	3.12
ARKANSAS .....	99.35	99.60	95.00	39.9	40.0	40.6	2.49	2.49	2.34
Fort Smith .....	92.54	96.16	89.82	38.4	39.9	40.1	2.41	2.41	2.24
Little Rock-North Little Rock .....	104.54	104.15	99.94	39.9	39.3	40.3	2.62	2.65	2.48
Pine Bluff .....	134.40	134.64	118.26	41.1	41.3	40.5	3.27	3.26	2.92
CALIFORNIA .....	151.27	150.11	146.29	39.6	39.4	40.3	3.82	3.81	3.63
Anaheim-Santa Ana-Garden Grove .....	151.53	150.35	148.01	40.3	40.2	41.0	3.76	3.74	3.61
Bakersfield .....	151.29	152.02	148.03	39.5	39.9	39.9	3.83	3.81	3.71
Fresno .....	125.58	131.93	122.22	37.6	39.5	39.3	3.34	3.34	3.11
Los Angeles-Long Beach .....	146.12	145.33	142.66	39.6	39.6	40.3	3.69	3.67	3.54
Modesto-Turlock .....	124.25	119.28	125.44	37.2	35.5	39.2	3.34	3.36	3.20
Oxnard-Ventura .....	128.74	130.79	126.67	37.1	37.8	38.5	3.47	3.46	3.29
Sacramento .....	160.79	165.92	155.07	39.8	39.6	40.7	4.04	4.19	3.81
Salinas-Monterey .....	122.40	127.72	129.93	36.0	37.9	38.9	3.40	3.37	3.34
San Bernardino-Riverside-Ontario .....	151.58	150.35	143.32	40.1	40.2	40.6	3.78	3.74	3.53
San Diego .....	166.38	165.98	159.58	39.9	39.9	40.4	4.17	4.16	3.95
San Francisco-Oakland .....	167.42	164.40	160.80	39.3	38.5	40.0	4.26	4.27	4.02
San Jose .....	158.38	157.21	150.96	40.3	39.6	40.8	3.93	3.97	3.70
Santa Barbara .....	141.51	138.48	136.06	39.2	38.9	39.9	3.61	3.56	3.41
Santa Rosa .....	138.17	140.94	130.15	40.4	38.3	40.8	3.42	3.68	3.19
Stockton .....	153.92	150.54	143.56	40.4	39.0	40.9	3.81	3.86	3.51
Vallejo-Napa .....	145.16	143.26	136.64	38.1	38.0	38.6	3.81	3.77	3.54
COLORADO .....	142.45	142.51	140.53	40.7	40.6	41.7	3.50	3.51	3.37
Denver .....	146.97	147.65	142.35	40.6	40.9	41.5	3.62	3.61	3.43
CONNECTICUT .....	138.54	139.26	135.94	40.4	40.6	41.7	3.43	3.43	3.26
Bridgeport .....	142.56	141.86	141.20	40.5	40.3	41.9	3.52	3.52	3.37
Hartford .....	148.99	149.45	147.74	41.5	41.4	42.7	3.59	3.61	3.46
New Britain .....	135.29	139.44	136.70	39.1	40.3	41.3	3.46	3.46	3.31
New Haven .....	140.24	142.04	133.72	40.3	40.7	41.4	3.48	3.49	3.23
Stamford .....	151.25	154.56	145.59	41.1	42.0	42.2	3.68	3.68	3.45
Waterbury .....	132.75	131.61	126.58	41.1	41.0	41.5	3.23	3.21	3.05
DELAWARE .....	128.64	132.65	127.12	38.4	38.9	39.6	3.35	3.41	3.21
Wilmington .....	149.36	151.68	142.20	39.1	39.5	39.5	3.82	3.84	3.60
DISTRICT OF COLUMBIA :									
Washington SMSA .....	145.92	147.44	141.02	38.3	38.8	39.5	3.81	3.80	3.57
FLORIDA .....	118.48	116.35	116.06	40.3	40.4	41.6	2.94	2.88	2.79
Fort Lauderdale-Hollywood .....	122.00	129.63	110.25	40.0	43.5	39.8	3.05	2.98	2.77
Jacksonville .....	129.16	122.13	124.39	41.8	41.4	42.6	3.09	2.95	2.92
Miami .....	114.16	113.72	108.53	39.5	39.9	40.8	2.89	2.85	2.66
Orlando .....	118.38	118.69	118.82	39.2	39.3	41.4	3.02	3.02	2.87
Pensacola .....	138.32	138.29	135.11	38.0	40.2	41.7	3.64	3.44	3.24
Tampa-St. Petersburg .....	126.96	126.07	117.59	41.9	41.2	42.3	3.03	3.06	2.78
West Palm Beach .....	132.40	133.11	117.51	42.3	42.8	39.7	3.13	3.11	2.96
GEORGIA .....	107.07	107.74	106.04	40.1	40.2	41.1	2.67	2.68	2.58
Atlanta .....	132.05	134.46	130.73	39.3	39.9	40.1	3.36	3.37	3.26
Savannah .....	137.27	141.62	128.74	41.1	42.4	41.8	3.34	3.34	3.08
HAWAII .....	125.93	122.54	120.12	42.4	43.3	42.9	2.97	2.83	2.80
Honolulu .....	124.15	120.96	122.26	41.8	43.2	43.2	2.97	2.80	2.83
IDAHO .....	139.84	143.15	130.33	40.3	40.9	40.1	3.47	3.50	3.25
ILLINOIS .....	147.20	147.03	140.58	40.2	40.3	40.7	3.66	3.65	3.45
Chicago .....	(*)	149.91	143.05	(*)	40.5	40.7	(*)	3.70	3.51
Davenport-Rock Island-Moline .....	(*)	165.99	151.81	(*)	40.1	39.9	(*)	4.14	3.80

See footnotes at end of table.

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

**C-11: 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		
	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969	Aug. 1970 P	July 1970	Aug. 1969
ILLINOIS (continued)									
Peoria	(*)	\$168.54	\$161.77	(*)	41.1	42.1	(*)	\$4.10	\$3.84
Rockford	(*)	144.00	142.48	(*)	40.0	41.5	(*)	3.60	3.43
INDIANA	\$151.15	151.15	144.79	40.2	40.2	40.9	\$3.76	3.76	3.54
Indianapolis	(*)	150.78	147.03	(*)	40.1	41.3	(*)	3.76	3.56
IOWA	144.23	142.40	133.57	39.3	38.8	39.4	3.67	3.67	3.39
Cedar Rapids	149.23	147.75	135.32	39.9	39.4	39.8	3.74	3.75	3.40
Des Moines	148.96	153.22	139.68	39.2	39.9	38.8	3.80	3.84	3.60
Dubuque	150.75	148.06	133.20	36.5	36.2	36.0	4.13	4.09	3.70
Sioux City	130.40	134.31	132.60	40.0	40.7	42.5	3.26	3.30	3.12
Waterloo	158.73	159.59	147.41	39.0	39.7	39.1	4.07	4.02	3.77
KANSAS	134.06	134.78	127.31	40.9	40.9	41.5	3.28	3.30	3.07
Topeka	137.84	150.84	147.74	41.7	43.0	44.0	3.30	3.51	3.36
Wichita	146.10	144.82	135.79	41.8	41.8	42.6	3.50	3.47	3.19
KENTUCKY	130.08	131.34	124.12	39.3	39.8	40.3	3.31	3.30	3.08
Louisville	145.43	149.11	136.44	39.2	40.3	39.6	3.71	3.70	3.45
LOUISIANA	137.35	136.62	128.54	41.0	41.4	41.6	3.35	3.30	3.09
Baton Rouge	157.96	159.14	157.19	41.9	42.1	42.6	3.77	3.78	3.69
New Orleans	134.19	134.13	130.49	39.7	39.8	40.4	3.38	3.37	3.23
Shreveport	128.23	127.41	117.71	41.1	41.5	41.3	3.12	3.07	2.85
MAINE	110.42	110.02	105.01	40.3	40.3	40.7	2.74	2.73	2.58
Lewiston-Auburn	88.70	89.30	85.70	36.5	36.9	37.1	2.43	2.42	2.31
Portland	115.92	112.79	108.27	39.7	39.3	40.1	2.92	2.87	2.70
MARYLAND	135.60	136.28	130.56	40.0	40.2	40.8	3.39	3.39	3.20
Baltimore	142.00	141.50	136.94	40.0	40.2	41.0	3.55	3.52	3.34
MASSACHUSETTS	125.90	126.29	120.90	39.1	39.1	39.9	3.22	3.23	3.03
Boston	136.50	136.93	127.73	39.0	38.9	39.3	3.50	3.52	3.25
Brockton	111.25	109.66	106.47	38.1	37.3	38.3	2.92	2.94	2.78
Fall River	95.93	94.50	93.44	35.4	35.0	36.5	2.71	2.70	2.56
Lawrence-Haverhill	115.89	116.22	114.74	38.5	39.0	40.4	3.01	2.98	2.84
Lowell	112.71	113.58	106.62	38.6	38.5	39.2	2.92	2.95	2.72
New Bedford	101.63	101.95	101.40	37.5	37.9	39.0	2.71	2.69	2.60
Springfield-Chicopee-Holyoke	127.59	127.08	124.53	39.5	39.1	40.3	3.23	3.25	3.09
Worcester	128.35	126.82	128.30	38.2	38.2	40.6	3.36	3.32	3.16
MICHIGAN	167.82	170.69	164.75	40.1	41.1	41.3	4.19	4.15	3.99
Ann Arbor	177.00	186.44	161.20	41.5	43.9	40.8	4.27	4.25	3.95
Battle Creek	166.17	175.21	161.02	40.1	41.5	41.9	4.14	4.22	3.84
Bay City	159.02	158.29	154.01	40.9	42.2	41.3	3.89	3.75	3.73
Detroit	191.40	195.36	173.05	43.6	44.4	41.3	4.39	4.40	4.19
Flint	190.40	206.13	183.64	41.4	43.7	41.5	4.60	4.72	4.43
Grand Rapids	153.30	148.87	146.00	41.0	40.4	41.5	3.74	3.69	3.52
Jackson	156.35	154.65	155.04	38.5	38.1	39.5	4.06	4.06	3.93
Kalamazoo	170.59	171.51	158.25	42.1	42.6	43.8	4.05	4.03	3.61
Lansing	182.87	177.68	176.75	41.6	40.4	40.4	4.40	4.40	4.38
Muskegon-Muskegon Heights	152.92	151.80	146.63	40.0	40.0	42.1	3.82	3.80	3.48
Saginaw	190.55	185.96	187.18	42.6	40.7	43.5	4.47	4.57	4.30
MINNESOTA	140.69	140.49	136.63	40.0	39.9	41.1	3.52	3.52	3.32
Duluth-Superior	(*)	(*)	128.93	(*)	(*)	39.8	(*)	(*)	3.24
Minneapolis-St. Paul	148.02	146.93	148.23	39.8	39.7	41.9	3.72	3.70	3.54
MISSISSIPPI	97.93	97.36	95.06	40.3	40.4	40.8	2.43	2.41	2.33
Jackson	101.84	102.26	94.35	41.4	41.4	41.2	2.46	2.47	2.29
MISSOURI	131.92	136.91	129.42	38.8	39.8	39.7	3.40	3.44	3.26
Kansas City	126.04	131.13	128.08	38.9	40.1	39.9	3.24	3.27	3.21
St. Joseph	143.44	144.42	136.40	41.1	41.5	43.3	3.49	3.48	3.15
St. Louis	150.14	154.73	147.42	39.2	40.4	40.5	3.83	3.83	3.64
Springfield	111.07	123.76	105.45	38.7	44.2	39.4	2.87	2.80	2.67
MONTANA	158.53	151.62	136.76	41.5	39.9	39.3	3.82	3.80	3.48
NEBRASKA	136.22	133.07	128.27	42.5	41.7	43.4	3.21	3.19	2.96
Lincoln	128.07	123.12	-	40.4	39.9	-	3.17	3.08	-
Omaha	137.79	134.99	129.15	41.4	40.7	42.2	3.33	3.32	3.06

See footnotes at end of table.

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

**C-II: 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		
	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1969
NEVADA .....	\$167.20	\$174.96	\$164.36	40.0	40.5	41.4	\$4.18	\$4.32	\$3.97
Las Vegas .....	(*)	180.46	180.62	(*)	41.2	42.2	(*)	4.38	4.28
NEW HAMPSHIRE .....	107.72	108.19	105.46	38.2	38.5	40.1	2.82	2.81	2.63
Manchester .....	98.85	97.99	94.35	37.3	37.4	38.2	2.65	2.62	2.47
NEW JERSEY .....	138.98	139.32	131.54	40.4	40.5	40.6	3.44	3.44	3.24
Atlantic City .....	122.11	119.41	107.33	43.3	43.9	39.9	2.82	2.72	2.69
Camden <sup>1</sup> .....	149.40	136.81	137.27	41.5	39.2	41.1	3.60	3.49	3.34
Jersey City <sup>2</sup> .....	139.90	141.45	139.35	40.2	40.3	42.1	3.48	3.51	3.31
Newark .....	136.07	135.37	130.35	39.1	38.9	39.5	3.48	3.48	3.30
Paterson-Clifton-Passaic <sup>2</sup> .....	130.30	136.51	129.52	38.1	39.8	40.1	3.42	3.43	3.23
Perth Amboy <sup>2</sup> .....	143.11	145.55	136.08	40.2	41.0	40.5	3.56	3.55	3.36
Trenton .....	137.60	130.37	124.74	40.0	38.8	39.6	3.44	3.36	3.15
NEW MEXICO .....	105.64	104.05	106.67	38.0	37.7	40.1	2.78	2.76	2.66
Albuquerque .....	117.60	114.11	112.50	40.0	39.9	39.2	2.94	2.86	2.87
NEW YORK .....	135.76	134.68	128.38	38.9	38.7	39.5	3.49	3.48	3.25
Albany-Schenectady-Troy .....	149.88	147.90	140.56	40.4	40.3	41.1	3.71	3.67	3.42
Binghamton .....	133.60	132.47	132.19	40.0	39.9	41.7	3.34	3.32	3.17
Buffalo .....	163.15	161.52	154.75	41.2	41.1	41.6	3.96	3.93	3.72
Elmira .....	126.68	127.33	122.09	39.1	39.3	39.9	3.24	3.24	3.06
Monroe County <sup>3</sup> .....	168.10	161.59	158.76	41.0	40.6	42.0	4.10	3.98	3.78
Nassau and Suffolk Counties <sup>4</sup> .....	135.24	135.63	126.32	39.2	39.2	39.6	3.45	3.46	3.19
New York-Northwestern New Jersey .....	(*)	132.48	125.26	(*)	38.4	38.9	(*)	3.45	3.22
New York SMSA <sup>2</sup> .....	127.88	127.91	120.84	37.5	37.4	38.0	3.41	3.42	3.18
New York City <sup>4</sup> .....	126.85	125.83	119.51	37.2	36.9	37.7	3.41	3.41	3.17
Rochester .....	161.54	157.53	153.35	41.0	40.6	41.9	3.94	3.88	3.66
Rockland County <sup>4</sup> .....	133.77	133.17	129.90	39.0	39.4	41.5	3.43	3.38	3.13
Syracuse .....	141.65	143.56	135.27	39.9	40.1	40.5	3.55	3.58	3.34
Utica-Rome .....	125.45	127.08	122.92	38.6	39.1	40.3	3.25	3.25	3.05
Westchester County <sup>4</sup> .....	130.52	135.02	124.15	38.5	38.8	38.2	3.39	3.48	3.25
NORTH CAROLINA .....	96.29	95.65	95.65	39.3	39.2	40.7	2.45	2.44	2.35
Asheville .....	88.77	89.73	92.46	37.3	37.7	40.2	2.38	2.38	2.30
Charlotte .....	104.49	103.06	99.63	40.5	40.1	41.0	2.58	2.57	2.43
Greensboro-Winston-Salem-High Point .....	105.15	105.26	102.00	38.8	38.7	40.0	2.71	2.72	2.55
Raleigh .....	99.31	99.82	97.10	39.1	39.3	40.8	2.54	2.54	2.38
NORTH DAKOTA .....	124.64	124.98	109.87	40.7	41.5	39.8	3.06	3.01	2.76
Fargo-Moorhead .....	140.88	139.61	121.31	40.8	40.6	39.6	3.45	3.44	3.07
OHIO .....	155.90	156.26	152.21	40.6	40.8	41.7	3.84	3.83	3.65
Akron .....	170.14	170.98	169.15	40.8	41.5	42.5	4.17	4.12	3.98
Canton .....	154.39	155.29	151.42	40.1	41.3	41.6	3.85	3.76	3.64
Cincinnati .....	145.24	148.27	139.78	39.9	40.4	41.6	3.64	3.67	3.36
Cleveland .....	154.79	157.92	157.45	40.1	40.7	42.1	3.86	3.88	3.74
Columbus .....	147.17	143.71	139.73	40.1	39.7	40.5	3.67	3.62	3.45
Dayton .....	175.12	173.45	172.53	41.4	41.2	42.6	4.23	4.21	4.05
Toledo .....	163.60	164.02	171.21	40.9	40.8	43.9	4.00	4.02	3.90
Youngstown-Warren .....	166.04	162.41	161.87	40.4	40.4	41.4	4.11	4.02	3.91
OKLAHOMA .....	125.05	126.38	122.07	40.6	40.9	41.1	3.08	3.09	2.97
Oklahoma City .....	121.39	122.82	119.07	39.8	40.4	41.2	3.05	3.04	2.89
Tulsa .....	141.52	140.01	134.64	41.5	41.3	41.3	3.41	3.39	3.26
OREGON .....	149.67	150.15	142.23	39.7	38.9	39.4	3.77	3.86	3.61
Eugene .....	159.10	156.82	149.04	40.9	39.5	40.5	3.89	3.97	3.68
Portland .....	148.57	148.22	144.11	39.2	38.7	39.7	3.79	3.83	3.63
PENNSYLVANIA .....	132.50	132.10	128.32	39.2	39.2	40.1	3.38	3.37	3.20
Allentown-Bethlehem-Easton .....	129.65	128.76	125.53	38.7	38.9	39.6	3.35	3.31	3.17
Allentown .....	111.17	104.60	106.35	38.6	36.7	39.1	2.88	2.85	2.72
Delaware Valley <sup>1 5</sup> .....	143.24	141.02	138.79	39.9	39.5	40.7	3.59	3.57	3.41
Erie .....	140.83	140.49	135.85	41.3	41.2	41.8	3.41	3.41	3.25
Harrisburg .....	124.40	124.93	120.30	40.0	40.3	41.2	3.11	3.10	2.92
Johnstown .....	133.79	126.32	130.26	37.9	36.3	38.2	3.53	3.48	3.41
Lancaster .....	122.98	121.66	117.91	39.8	39.5	40.8	3.09	3.08	2.89
Philadelphia .....	143.96	140.62	138.38	40.1	39.5	40.7	3.59	3.56	3.40
Pittsburgh .....	151.20	152.31	147.50	40.0	40.4	40.3	3.78	3.77	3.66
Reading .....	117.20	121.35	114.91	38.3	39.4	39.9	3.06	3.08	2.88
Scranton .....	102.58	103.51	99.32	36.9	37.1	38.2	2.78	2.79	2.60
Wilkes-Barre-Hazleton .....	97.63	97.90	92.82	35.5	35.6	36.4	2.75	2.75	2.55
York .....	124.20	122.18	121.70	41.4	41.0	42.7	3.00	2.98	2.85

See footnotes at end of table.

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

**C-11: 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		
	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969	Aug. 1970 <sup>p</sup>	July 1970	Aug. 1969
<b>RHODE ISLAND</b> .....	\$110.37	\$111.83	\$108.67	39.0	39.1	40.1	\$2.83	\$2.86	\$2.71
Providence-Pawtucket-Warwick.....	111.44	112.50	109.34	39.1	39.2	40.2	2.85	2.87	2.72
<b>SOUTH CAROLINA</b> .....	100.50	99.00	100.12	40.2	39.6	41.2	2.50	2.50	2.43
Charleston.....	125.10	118.64	115.23	41.7	38.9	41.6	3.00	3.05	2.77
Greenville.....	98.89	98.65	98.77	40.2	40.1	41.5	2.46	2.46	2.38
<b>SOUTH DAKOTA</b> .....	135.59	130.82	122.32	45.5	44.8	44.0	2.98	2.92	2.78
Sioux Falls.....	162.32	154.82	138.46	48.6	47.2	46.0	3.34	3.28	3.01
<b>TENNESSEE</b> .....	110.29	109.33	105.85	40.4	39.9	40.4	2.73	2.74	2.62
Chattanooga.....	121.66	117.51	117.01	41.1	39.7	41.2	2.96	2.96	2.84
Knoxville.....	129.48	127.17	116.22	41.5	40.5	39.8	3.12	3.14	2.92
Memphis.....	124.85	122.80	117.79	40.8	40.0	40.9	3.06	3.07	2.88
Nashville.....	120.90	120.10	116.00	39.9	39.9	40.7	3.03	3.01	2.85
<b>TEXAS</b> .....	129.68	128.96	125.66	40.4	40.3	41.2	3.21	3.20	3.05
Amarillo.....	118.66	118.94	110.68	41.2	41.3	41.3	2.88	2.88	2.68
Austin.....	113.85	117.60	102.06	41.1	42.0	40.5	2.77	2.80	2.52
Beaumont-Port Arthur-Orange.....	170.57	170.57	159.57	41.3	41.2	40.5	4.13	4.14	3.94
Corpus Christi.....	155.96	150.28	146.20	41.7	41.4	42.5	3.74	3.63	3.44
Dallas.....	122.00	115.36	119.84	40.0	37.7	40.9	3.05	3.06	2.93
El Paso.....	90.45	91.49	83.84	41.3	41.4	40.5	2.19	2.21	2.07
Fort Worth.....	136.86	134.79	136.59	41.1	40.6	41.9	3.33	3.32	3.26
Galveston-Texas City.....	190.15	197.37	185.74	41.7	43.0	43.6	4.56	4.59	4.26
Houston.....	154.61	154.93	148.26	41.9	42.1	43.1	3.69	3.68	3.44
Lubbock.....	109.75	111.30	103.32	43.9	44.7	42.0	2.50	2.49	2.46
San Antonio.....	108.12	106.09	101.99	42.4	42.1	41.8	2.55	2.52	2.44
Waco.....	(*)	108.86	104.79	(*)	39.3	39.1	(*)	2.77	2.68
Wichita Falls.....	100.94	98.89	101.10	40.7	40.2	42.3	2.48	2.46	2.39
<b>UTAH</b> .....	136.37	136.81	129.75	39.3	39.2	39.8	3.47	3.49	3.26
Salt Lake City.....	127.92	129.09	121.68	39.0	39.0	39.0	3.28	3.31	3.12
<b>VERMONT</b> .....	122.18	121.01	116.06	41.7	41.3	41.6	2.93	2.93	2.79
Burlington.....	144.30	142.68	127.87	44.4	43.5	43.2	3.25	3.28	2.96
Springfield.....	131.43	124.80	130.60	41.2	40.0	41.2	3.19	3.12	3.17
<b>VIRGINIA</b> .....	108.26	108.11	107.94	39.8	39.6	41.2	2.72	2.73	2.62
Lynchburg.....	103.86	104.92	107.18	40.1	40.2	42.7	2.59	2.61	2.51
Norfolk-Portsmouth.....	118.32	121.80	108.81	40.8	42.0	40.6	2.90	2.90	2.68
Richmond.....	123.60	119.95	116.40	40.0	39.2	40.7	3.09	3.06	2.86
Roanoke.....	102.62	96.98	104.55	40.4	37.3	42.5	2.54	2.60	2.46
<b>WASHINGTON</b> .....	161.96	157.49	153.24	39.6	38.6	39.7	4.09	4.08	3.86
Seattle-Everett.....	168.42	165.11	160.37	40.1	39.5	40.6	4.20	4.18	3.95
Spokane.....	152.88	154.05	146.52	39.2	39.4	39.6	3.90	3.91	3.70
Tacoma.....	159.15	148.37	148.59	39.2	37.0	39.0	4.06	4.01	3.81
<b>WEST VIRGINIA</b> .....	135.59	133.96	128.23	39.3	39.4	39.7	3.45	3.40	3.23
Charleston.....	165.42	165.78	160.60	42.2	42.4	42.6	3.92	3.91	3.77
Huntington-Ashland.....	142.66	140.84	141.65	39.3	38.8	39.9	3.63	3.63	3.55
Wheeling.....	139.74	138.11	124.94	39.7	39.8	38.8	3.52	3.47	3.22
<b>WISCONSIN</b> .....	143.26	145.07	138.47	40.4	40.4	41.0	3.55	3.59	3.37
Green Bay.....	147.58	149.56	139.77	42.4	42.2	42.5	3.48	3.55	3.29
Kenosha.....	150.91	168.95	145.17	37.8	40.9	38.6	3.99	4.13	3.76
La Crosse.....	118.79	123.69	111.54	40.9	40.2	39.9	2.91	3.08	2.79
Madison.....	166.42	166.94	149.76	41.9	41.1	40.9	3.97	4.06	3.66
Milwaukee.....	155.69	157.03	150.95	39.9	40.2	40.8	3.90	3.90	3.70
Racine.....	147.52	153.90	152.45	39.7	40.7	42.1	3.72	3.78	3.62
<b>WYOMING</b> .....	130.54	137.36	129.12	39.2	39.7	40.1	3.33	3.46	3.22
Casper.....	145.90	168.02	151.70	37.7	41.9	41.0	3.87	4.01	3.70
Cheyenne.....	102.54	110.42	120.89	30.7	32.1	38.5	3.34	3.44	3.14

1 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.  
2 Area included in New York-Northeastern New Jersey Standard Consolidated Area.  
3 Subarea of Rochester Standard Metropolitan Statistical Area.  
4 Subarea of New York Standard Metropolitan Statistical Area.  
5 Initial inclusion in this publication. (See area definition at end of table B-7.)

\* 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
<b>Total accessions</b>													
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	5.0P					
<b>New hires</b>													
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	3.6 P					
<b>Total separations</b>													
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	5.8 P					
<b>Quits</b>													
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 P					
<b>Layoffs</b>													
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 P					

p = preliminary.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970
-	<b>MANUFACTURING</b> .....	5.0	4.4	3.6	2.9	5.8	5.3	3.0	2.1	1.7	2.3
19,24,25,32-39	<b>DURABLE GOODS</b> .....	4.2	3.6	2.9	2.3	5.4	5.2	2.6	1.7	1.9	2.6
20-23,26-31	<b>NONDURABLE GOODS</b> .....	6.1	5.5	4.6	3.8	6.2	5.5	3.7	2.6	1.5	2.0
	<i>Durable Goods</i>										
19	<b>ORDNANCE AND ACCESSORIES</b> .....	-	2.1	-	1.1	-	3.4	-	1.0	-	1.7
192	Ammunition, except for small arms .....	-	2.1	-	1.1	-	3.4	-	1.0	-	1.7
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	5.8	5.6	4.9	4.6	6.5	5.5	4.4	3.2	1.3	1.4
242	Sawmills and planing mills .....	-	5.3	-	4.5	-	5.1	-	3.2	-	1.2
2421	Sawmills and planing mills, general .....	-	5.2	-	4.5	-	5.0	-	3.1	-	1.2
243	Millwork, plywood & related products .....	-	5.0	-	4.3	-	4.9	-	2.8	-	1.1
2431	Millwork .....	-	5.4	-	4.8	-	5.1	-	2.8	-	.9
2432	Veneer and plywood .....	-	3.8	-	3.0	-	3.9	-	2.3	-	.9
244	Wooden containers .....	-	7.5	-	5.5	-	9.7	-	5.1	-	3.8
2441,2	Wooden boxes, shooks, and crates .....	-	6.8	-	4.7	-	8.9	-	4.3	-	3.9
249	Miscellaneous wood products .....	-	5.7	-	4.7	-	7.3	-	3.7	-	2.3
25	<b>FURNITURE AND FIXTURES</b> .....	6.7	5.5	5.3	4.4	6.6	5.8	4.3	3.2	1.0	1.5
251	Household furniture .....	-	5.6	-	4.5	-	6.0	-	3.5	-	1.5
2511	Wood household furniture .....	-	4.9	-	3.7	-	5.7	-	3.4	-	1.3
2512	Upholstered household furniture .....	-	5.3	-	4.0	-	5.3	-	3.0	-	1.7
2515	Mattresses and bedsprings .....	-	7.3	-	6.6	-	6.6	-	4.1	-	1.3
252	Office furniture .....	-	4.5	-	3.1	-	5.0	-	2.3	-	1.6
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	4.6	4.7	3.5	3.4	5.2	4.6	3.3	2.4	1.0	1.3
321	Flat glass .....	-	5.7	-	1.0	-	3.7	-	.5	-	2.6
322	Glass and glassware, pressed or blown .....	-	4.6	-	3.1	-	4.1	-	2.1	-	.9
3221	Glass containers .....	-	4.6	-	3.9	-	3.8	-	2.7	-	.3
3229	Pressed and blown glass, n e c .....	-	4.4	-	2.1	-	4.4	-	1.2	-	1.9
324	Cement, hydraulic .....	-	1.7	-	1.0	-	3.2	-	.5	-	2.0
325	Structural clay products .....	-	5.5	-	4.6	-	5.3	-	3.7	-	.8
3251	Brick and structural clay tile .....	-	6.4	-	5.8	-	6.0	-	4.7	-	.6
326	Pottery and related products .....	-	4.9	-	3.3	-	4.8	-	2.7	-	1.2
3291	Abrasive products .....	-	1.4	-	.9	-	2.6	-	1.1	-	.8
33	<b>PRIMARY METAL INDUSTRIES</b> .....	3.2	3.0	2.1	1.7	4.3	4.2	2.3	1.3	.9	1.8
331	Blast furnace and basic steel products .....	-	2.5	-	1.6	-	2.7	-	.9	-	.7
3312	Blast furnaces and steel mills .....	-	2.4	-	1.6	-	2.6	-	.9	-	.6
332	Iron and steel foundries .....	-	3.9	-	2.4	-	7.2	-	2.2	-	3.8
3321	Gray iron foundries .....	-	4.1	-	2.4	-	8.6	-	2.2	-	5.1
3322	Malleable iron foundries .....	-	4.9	-	2.8	-	6.6	-	2.3	-	3.2
3323	Steel foundries .....	-	3.3	-	2.4	-	4.6	-	1.9	-	1.4
333,4	Nonferrous metals .....	-	2.6	-	2.1	-	3.1	-	1.6	-	.6
335	Nonferrous rolling and drawing .....	-	3.2	-	1.1	-	4.3	-	1.0	-	2.6
3351	Copper rolling and drawing .....	-	1.4	-	.6	-	2.7	-	.7	-	1.0
3352	Aluminum rolling and drawing .....	-	1.9	-	1.2	-	2.9	-	1.0	-	1.1
3357	Nonferrous wire drawing, and insulating .....	-	5.5	-	1.3	-	6.8	-	1.2	-	5.0
336	Nonferrous foundries .....	-	4.3	-	2.5	-	6.6	-	2.3	-	3.5
3361	Aluminum castings .....	-	4.1	-	2.5	-	6.1	-	2.6	-	2.8
3362,9	Other nonferrous castings .....	-	4.5	-	2.4	-	7.0	-	1.9	-	4.3
339	Miscellaneous primary metal products .....	-	3.0	-	1.4	-	5.9	-	1.2	-	3.9
3391	Iron and steel forgings .....	-	3.1	-	1.3	-	6.5	-	1.1	-	4.6

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	
		Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970
	<i>Durable Goods--Continued</i>										
34	<b>FABRICATED METAL PRODUCTS</b> .....	-	4.6	-	3.2	-	5.1	-	2.1	-	2.0
341	Metal cans .....	-	4.8	-	2.8	-	5.7	-	1.4	-	2.5
342	Cutlery, hand tools, and hardware .....	-	3.9	-	1.8	-	4.7	-	1.5	-	2.3
3421,3,5	Cutlery and hand tools, incl. saws .....	-	2.5	-	1.7	-	4.8	-	1.6	-	2.4
3429	Hardware, n e c .....	-	4.9	-	1.9	-	4.7	-	1.5	-	2.2
343	Plumbing and heating, except electric .....	-	3.4	-	2.8	-	3.7	-	1.9	-	.8
3431,2	Sanitary ware & plumbers' brass goods .....	-	3.2	-	2.7	-	3.5	-	1.9	-	.5
3433	Heating equipment, except electric .....	-	3.6	-	2.9	-	3.9	-	1.9	-	1.1
344	Fabricated structural metal products .....	-	4.8	-	4.1	-	4.5	-	2.3	-	1.2
3441	Fabricated structural steel .....	-	5.3	-	4.6	-	4.9	-	2.7	-	1.1
3443	Fabricated plate work (boiler shops) .....	-	3.1	-	2.7	-	3.1	-	1.7	-	.6
3446,9	Architectural and misc. metal work .....	-	6.1	-	4.7	-	4.8	-	2.3	-	1.3
345	Screw machine products, bolts, etc. ....	-	3.2	-	2.5	-	4.7	-	2.1	-	1.4
3452	Bolts, nuts, rivets, and washers .....	-	2.5	-	1.7	-	3.5	-	1.4	-	1.2
346	Metal stampings .....	-	5.6	-	2.3	-	6.0	-	1.5	-	3.7
348	Misc. fabricated wire products .....	-	4.7	-	3.4	-	4.7	-	2.7	-	1.1
349	Misc. fabricated metal products .....	-	3.8	-	2.5	-	4.4	-	1.8	-	1.7
3494,8	Valves, pipe, and pipe fittings .....	-	3.9	-	2.3	-	4.5	-	1.8	-	1.8
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	2.5	2.6	1.7	1.6	4.3	4.0	1.7	1.2	1.7	2.0
351	Engines and turbines .....	-	3.9	-	1.0	-	4.4	-	.7	-	2.8
3511	Steam engines and turbines .....	-	2.0	-	1.5	-	1.4	-	.6	-	(1)
3519	Internal combustion engines, n e c .....	-	5.0	-	.7	-	6.2	-	.7	-	4.4
352	Farm machinery .....	-	2.2	-	1.2	-	5.5	-	1.1	-	3.3
353	Construction and related machinery .....	-	2.2	-	1.7	-	2.9	-	1.3	-	.8
3531,2	Construction and mining machinery .....	-	1.7	-	1.2	-	2.8	-	.9	-	1.0
3533	Oil field machinery .....	-	2.9	-	2.7	-	3.5	-	1.9	-	.6
3535,6	Conveyors, hoists, cranes, monorails .....	-	2.4	-	2.1	-	2.4	-	1.2	-	.6
354	Metal working machinery .....	-	2.3	-	1.2	-	5.1	-	1.0	-	3.3
3541	Machine tools, metal cutting types .....	-	1.1	-	.8	-	4.0	-	.8	-	2.5
3545	Machine tool accessories .....	-	1.3	-	.7	-	3.1	-	.9	-	1.6
3542,8	Misc. metal working machinery .....	-	1.8	-	1.2	-	2.4	-	.9	-	.9
355	Special industry machinery .....	-	2.1	-	1.3	-	3.2	-	1.1	-	1.5
3551	Food products machinery .....	-	1.9	-	1.4	-	2.4	-	.9	-	.9
3552	Textile machinery .....	-	3.6	-	1.4	-	4.5	-	1.7	-	2.2
356	General industrial machinery .....	-	3.0	-	1.7	-	3.4	-	1.2	-	1.4
3561	Pumps and compressors .....	-	2.2	-	1.7	-	3.1	-	1.2	-	1.1
3562	Ball and roller bearings .....	-	5.2	-	1.5	-	4.9	-	1.0	-	3.1
3566	Power transmission equipment .....	-	2.2	-	1.5	-	3.2	-	1.2	-	1.2
357	Office and computing machines .....	-	1.7	-	1.2	-	3.3	-	1.0	-	1.5
3573	Electronic computing equipment .....	-	1.5	-	1.1	-	2.9	-	.9	-	1.2
358	Service industry machines .....	-	3.2	-	2.6	-	4.0	-	1.6	-	1.3
3585	Refrigeration machinery .....	-	3.2	-	2.5	-	3.8	-	1.6	-	1.2
36	<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> .....	-	3.0	-	1.8	-	4.0	-	1.5	-	1.6
361	Electric test & distributing equipment .....	-	2.6	-	1.9	-	3.8	-	1.7	-	1.3
3611	Electric measuring instruments .....	-	1.8	-	1.3	-	3.6	-	1.2	-	1.5
3612	Transformers .....	-	3.0	-	2.0	-	4.1	-	2.0	-	1.2
3613	Switchgear and switchboard apparatus .....	-	3.0	-	2.3	-	3.9	-	1.9	-	1.2
362	Electrical industrial apparatus .....	-	2.7	-	1.8	-	3.0	-	1.5	-	.8
3621	Motors and generators .....	-	3.1	-	2.0	-	3.3	-	1.5	-	1.1
3622	Industrial controls .....	-	2.0	-	1.3	-	2.3	-	1.2	-	.5
363	Household appliances .....	-	3.7	-	2.4	-	3.2	-	1.6	-	.5
3632	Household refrigerators and freezers .....	-	3.3	-	2.1	-	2.8	-	1.3	-	.6
3633	Household laundry equipment .....	-	3.5	-	3.0	-	1.8	-	1.1	-	.1
3634	Electric housewares and fans .....	-	4.5	-	3.4	-	4.0	-	2.6	-	.3
364	Electric lighting and wiring equipment .....	-	3.8	-	2.2	-	6.4	-	1.8	-	3.4
3641	Electric lamps .....	-	1.3	-	1.0	-	3.4	-	1.2	-	1.7
3642	Lighting fixtures .....	-	4.2	-	3.3	-	6.9	-	1.9	-	3.9
3643,4	Wiring devices .....	-	4.8	-	2.0	-	7.6	-	2.1	-	3.8
365	Radio and TV receiving equipment .....	-	5.8	-	2.9	-	4.4	-	1.6	-	1.5
366	Communication equipment .....	-	1.7	-	1.1	-	2.7	-	1.0	-	1.1
3661	Telephone and telegraph apparatus .....	-	1.7	-	1.5	-	1.7	-	1.1	-	.3
3662	Radio and TV communication equipment .....	-	1.8	-	.8	-	3.3	-	1.0	-	1.5
367	Electronic components and accessories .....	-	3.2	-	1.5	-	5.5	-	1.7	-	2.8
3671-3	Electron tubes .....	-	4.0	-	1.1	-	5.4	-	1.1	-	3.5
3674,9	Other electronic components .....	-	3.1	-	1.5	-	5.6	-	1.8	-	2.6
369	Misc. electrical equipment & supplies .....	-	3.0	-	2.2	-	3.0	-	1.3	-	.7
3694	Engine electrical equipment .....	-	2.8	-	1.7	-	2.3	-	1.0	-	.6

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	
		Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970
<i>Durable Goods--Continued</i>											
37	<b>TRANSPORTATION EQUIPMENT</b>	-	3.5	-	1.8	-	8.8	-	1.3	-	6.6
371	Motor vehicles and equipment	-	3.9	-	1.5	-	13.7	-	1.0	-	11.7
3711	Motor vehicles	-	3.9	-	1.4	-	15.2	-	1.0	-	13.5
3712	Passenger car bodies	-	4.4	-	.7	-	25.0	-	.3	-	24.0
3713	Truck and bus bodies	-	4.8	-	4.4	-	11.6	-	2.6	-	7.6
3714	Motor vehicle parts and accessories	-	3.6	-	1.3	-	11.2	-	.8	-	9.3
372	Aircraft and parts	-	1.7	-	.9	-	3.3	-	.9	-	1.8
3721	Aircraft	-	1.5	-	.8	-	3.1	-	.9	-	1.8
3722	Aircraft engines and engine parts	-	1.4	-	.8	-	3.1	-	1.0	-	1.1
3723,9	Other aircraft parts and equipment	-	2.8	-	1.5	-	4.6	-	1.1	-	2.8
373	Ship and boat building and repairing	-	6.3	-	3.9	-	8.3	-	2.4	-	4.6
3731	Ship building and repairing	-	7.0	-	4.3	-	8.0	-	2.2	-	4.4
374	Railroad equipment	-	4.9	-	2.2	-	6.0	-	1.2	-	3.6
375,9	Other transportation equipment	-	8.2	-	7.3	-	9.3	-	4.7	-	2.6
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b>	2.7	2.6	2.1	1.9	4.1	3.3	2.1	1.4	1.1	1.2
381	Engineering & scientific instruments	-	1.3	-	.8	-	4.1	-	1.0	-	2.4
382	Mechanical measuring & control devices	-	2.5	-	1.7	-	3.6	-	1.4	-	1.0
3821	Mechanical measuring devices	-	2.3	-	1.7	-	2.9	-	1.4	-	.9
3822	Automatic temperature controls	-	2.9	-	1.7	-	4.6	-	1.4	-	1.2
383,5	Optical and ophthalmic goods	-	2.9	-	1.9	-	4.4	-	1.5	-	2.2
384	Medical instruments and supplies	-	3.7	-	2.8	-	3.4	-	2.0	-	.7
386	Photographic equipment and supplies	-	2.6	-	2.4	-	1.8	-	1.0	-	.3
387	Watches, clocks, and watchcases	-	2.8	-	1.7	-	4.4	-	1.5	-	1.8
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	8.4	6.4	6.4	4.2	7.2	7.0	4.2	2.8	1.8	3.0
391	Jewelry, silverware, and plated ware	-	4.3	-	2.3	-	5.5	-	1.9	-	2.6
394	Toys and sporting goods	-	10.0	-	6.9	-	9.1	-	4.1	-	3.7
3941-3	Games, toys, dolls, & play vehicles	-	13.5	-	9.5	-	9.7	-	5.2	-	3.1
3949	Sporting and athletic goods, n e c	-	5.2	-	3.4	-	8.4	-	2.7	-	4.5
395	Pens, pencils, office and art supplies	-	3.9	-	2.6	-	4.2	-	1.9	-	1.6
396	Costume jewelry and notions	-	6.3	-	4.0	-	7.5	-	2.9	-	3.9
393,9	Other manufacturing industries	-	4.9	-	3.2	-	6.3	-	2.3	-	2.7
<i>Nondurable Goods</i>											
20	<b>FOOD AND KINDRED PRODUCTS</b>	10.6	8.8	8.2	6.3	8.3	6.6	4.9	3.1	2.5	2.5
201	Meat products	-	8.6	-	5.4	-	7.3	-	3.9	-	2.5
2011	Meat packing plants	-	7.0	-	2.7	-	6.6	-	1.9	-	4.0
2015	Poultry dressing plants	-	14.0	-	11.5	-	10.7	-	8.7	-	.8
204	Grain mill products	-	4.4	-	3.5	-	3.8	-	2.1	-	.9
2041	Flour and other grain mill products	-	4.0	-	3.3	-	3.1	-	1.5	-	.8
2042	Prepared feeds for animals and fowls	-	4.4	-	3.8	-	4.4	-	2.7	-	1.0
205	Bakery products	-	4.5	-	4.0	-	4.1	-	2.6	-	.8
2051	Bread, cake, and related products	-	4.3	-	3.9	-	4.0	-	2.7	-	.6
2052	Cookies and crackers	-	5.6	-	4.5	-	4.7	-	2.3	-	1.5
207	Confectionery and related products	-	8.2	-	5.2	-	7.6	-	3.2	-	3.5
2071	Confectionery products	-	9.4	-	6.0	-	8.8	-	3.6	-	4.2
208	Beverages	-	5.7	-	3.9	-	5.3	-	2.6	-	1.7
2082	Malt liquors	-	3.8	-	1.5	-	4.2	-	.5	-	3.2
21	<b>TOBACCO MANUFACTURES</b>	10.6	7.1	8.4	4.4	3.3	3.7	2.3	1.6	.2	1.4
211	Cigarettes	-	2.3	-	2.0	-	1.3	-	.8	-	(1)
212	Cigars	-	5.5	-	3.1	-	7.3	-	3.8	-	2.7

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	
		Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970
	<i>Nondurable Goods--Continued</i>										
22	<b>TEXTILE MILL PRODUCTS</b> .....	5.5	5.3	4.3	4.0	6.6	6.0	4.6	3.7	0.9	1.3
221	Weaving mills, cotton.....	-	5.3	-	4.2	-	5.2	-	4.0	-	.1
222	Weaving mills, synthetics.....	-	4.5	-	3.4	-	6.3	-	3.3	-	1.9
223	Weaving and finishing mills, wool.....	-	3.5	-	2.0	-	8.0	-	3.0	-	3.9
224	Narrow fabric mills.....	-	5.5	-	2.9	-	6.3	-	3.0	-	2.5
225	Knitting mills.....	-	5.1	-	3.8	-	5.6	-	3.6	-	1.2
2251	Women's hosiery, except socks.....	-	4.2	-	3.3	-	4.6	-	3.4	-	.5
2252	Hosiery, n e c.....	-	5.0	-	4.1	-	4.5	-	3.6	-	.3
2254	Knit underwear mills.....	-	3.8	-	2.6	-	4.2	-	3.2	-	.3
226	Textile finishing, except wool.....	-	4.3	-	3.2	-	5.2	-	2.6	-	1.3
227	Floor covering mills.....	-	5.4	-	4.5	-	4.7	-	3.1	-	.5
228	Yarn and thread mills.....	-	7.4	-	5.5	-	8.1	-	5.4	-	1.4
229	Miscellaneous textile goods.....	-	5.2	-	3.7	-	6.7	-	2.5	-	2.8
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b> .....	7.2	6.7	4.6	3.8	7.3	8.4	4.1	3.2	2.1	4.3
231	Men's and boys' suits and coats.....	-	4.4	-	1.7	-	9.6	-	1.8	-	7.1
232	Men's and boys' furnishings.....	-	6.4	-	4.6	-	6.9	-	4.3	-	1.7
2321	Men's and boys' shirts and nightwear.....	-	5.7	-	4.4	-	6.5	-	4.1	-	1.4
2327	Men's and boys' separate trousers.....	-	7.0	-	5.2	-	6.6	-	4.7	-	1.1
2328	Men's and boys' work clothing.....	-	5.9	-	4.8	-	5.8	-	4.5	-	.4
234	Women's and children's undergarments.....	-	5.6	-	3.8	-	7.0	-	3.4	-	2.7
2341	Women's and children's underwear.....	-	6.5	-	4.7	-	6.9	-	4.0	-	2.2
2342	Corsets and allied garments.....	-	3.4	-	1.8	-	7.0	-	2.1	-	4.1
26	<b>PAPER AND ALLIED PRODUCTS</b> .....	3.7	3.2	3.0	2.5	5.0	3.6	3.0	1.9	1.1	.9
261,2,6	Paper and pulp mills.....	-	2.0	-	1.5	-	1.9	-	.8	-	.4
263	Paperboard mills.....	-	2.1	-	1.6	-	3.1	-	1.3	-	1.2
264	Misc. converted paper products.....	-	4.0	-	3.2	-	4.3	-	2.3	-	1.0
2643	Bags, except textile bags.....	-	4.3	-	3.5	-	5.1	-	2.9	-	1.2
265	Paperboard containers and boxes.....	-	4.2	-	3.4	-	4.9	-	2.7	-	1.2
2651,2	Folding and setup paperboard boxes.....	-	4.5	-	3.8	-	4.8	-	3.0	-	.7
2653	Corrugated and solid fiber boxes.....	-	3.7	-	3.1	-	4.2	-	2.5	-	.8
27	<b>PRINTING AND PUBLISHING</b> .....	3.1	3.2	2.6	2.5	4.5	3.3	2.6	1.8	1.1	.8
28	<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	2.3	2.2	1.8	1.6	3.4	2.5	1.8	1.1	.8	.7
281	Industrial chemicals.....	-	1.5	-	1.2	-	1.7	-	.7	-	.3
282	Plastics materials and synthetics.....	-	1.4	-	.9	-	2.0	-	.8	-	.7
2821	Plastics materials and resins.....	-	1.5	-	1.2	-	1.9	-	.9	-	.5
2823,4	Synthetic fibers.....	-	1.5	-	.7	-	2.2	-	.8	-	.9
283	Drugs.....	-	2.2	-	1.8	-	2.5	-	1.2	-	.8
2834	Pharmaceutical preparations.....	-	2.1	-	1.7	-	2.6	-	1.1	-	1.0
284	Soap, cleaners, and toilet goods.....	-	4.0	-	2.9	-	3.1	-	1.6	-	.7
2841	Soap and other detergents.....	-	2.3	-	1.4	-	2.7	-	.9	-	1.0
2844	Toilet preparations.....	-	5.7	-	4.1	-	3.5	-	1.9	-	.6
285	Paints and allied products.....	-	2.7	-	2.5	-	2.6	-	1.3	-	.6
286,9	Other chemical products.....	-	2.9	-	1.6	-	2.7	-	1.3	-	.6
29	<b>PETROLEUM AND COAL PRODUCTS</b> .....	2.3	2.1	1.8	1.9	3.2	2.4	2.0	1.0	.3	.5
291	Petroleum refining.....	-	1.3	-	1.1	-	1.7	-	.6	-	.3
295,9	Other petroleum and coal products.....	-	5.1	-	4.6	-	5.1	-	2.6	-	1.3
30	<b>RUBBER AND PLASTICS PRODUCTS, N E C.</b> .....	5.6	5.3	4.3	3.5	6.4	6.0	3.8	2.6	1.3	2.3
301	Tires and inner tubes.....	-	2.1	-	1.3	-	1.8	-	.8	-	.3
302,3,6	Other rubber products.....	-	5.2	-	2.8	-	6.9	-	2.2	-	3.6
307	Miscellaneous plastics products.....	-	6.6	-	4.9	-	7.1	-	3.5	-	2.3

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	
		Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970	Aug. 1970 <sup>P</sup>	July 1970
	<i>Nondurable Goods--Continued</i>										
31	<b>LEATHER AND LEATHER PRODUCTS</b> .....	6.3	7.5	4.8	4.6	7.6	8.3	4.6	3.7	1.7	3.2
311	Leather tanning and finishing .....	-	3.3	-	2.2	-	6.4	-	2.3	-	3.2
314	Footwear, except rubber .....	-	7.3	-	4.4	-	7.9	-	3.7	-	2.8
	<b>NONMANUFACTURING</b>										
10	<b>METAL MINING</b> .....	3.2	3.2	2.0	2.7	4.5	3.4	3.5	1.9	.1	.6
101	Iron ores .....	-	2.0	-	1.4	-	3.6	-	.9	-	1.8
102	Copper ores .....	-	3.5	-	2.7	-	2.6	-	1.7	-	.1
11,12	<b>COAL MINING</b> .....	2.3	1.6	1.9	1.3	2.3	1.6	1.8	.8	.1	.1
12	Bituminous coal and lignite mining .....	2.4	1.6	2.0	1.3	2.4	1.6	1.8	.7	.1	.1
	<b>COMMUNICATION:</b>										
481	Telephone communication .....	-	2.8	-	-	-	1.8	-	1.3	-	.1
482	Telegraph communication <sup>2</sup> .....	-	3.4	-	-	-	2.3	-	1.4	-	.3

<sup>1</sup> Less than 0.05.

<sup>2</sup> 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.
<b>Total accessions</b>												
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	4.0 p				
<b>New hires</b>												
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	2.2	2.2	2.1	1.9	1.9	1.8
1961.....	1.8	1.8	1.9	2.0	2.1	2.1	2.1	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 p				
<b>Total separations</b>												
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	4.7 p				
<b>Quits</b>												
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 p				
<b>Layoffs</b>												
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 p				

p = preliminary.

ESTABLISHMENT DATA  
STATE AND AREA LABOR TURNOVER

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970
ALABAMA:										
Birmingham	2.5	4.0	1.8	3.0	5.1	2.3	1.1	1.1	0.8	0.4
Mobile <sup>1</sup>	6.3	6.6	4.6	5.0	5.0	5.0	2.5	2.4	1.5	1.8
ALASKA										
	37.5	48.8	31.6	33.9	17.2	8.8	6.5	3.5	7.0	3.2
ARIZONA										
Phoenix	4.0	5.5	2.9	4.2	6.3	5.5	2.8	2.9	2.2	1.4
	3.7	5.1	2.6	3.8	6.4	5.5	2.8	2.8	2.4	1.4
ARKANSAS										
Fort Smith	6.6	7.5	5.6	6.2	7.0	5.7	4.2	3.9	1.9	1.0
Little Rock-North Little Rock	7.0	8.1	6.3	7.4	11.6	6.4	5.8	4.5	4.5	.8
Pine Bluff	4.3	6.4	3.9	5.9	5.3	4.7	3.1	3.0	1.5	.7
	3.9	6.6	3.4	4.8	4.8	4.8	3.4	3.3	.7	.6
COLORADO										
Denver	5.5	6.6	4.2	4.9	4.1	4.9	2.5	2.4	.9	1.3
	5.3	6.2	4.4	4.9	4.4	4.7	2.8	2.5	.7	1.1
CONNECTICUT										
Hartford	2.0	3.3	1.5	2.4	3.4	3.5	1.5	1.6	1.2	1.2
	1.4	2.2	1.1	1.7	3.2	2.7	1.3	1.3	.9	.6
DELAWARE <sup>1</sup>										
Wilmington	2.4	4.2	1.2	2.7	2.6	2.9	1.2	1.3	.6	.5
	2.4	4.0	1.2	2.7	2.3	2.9	1.1	1.2	.6	.6
DISTRICT OF COLUMBIA:										
Washington SMSA	2.4	3.1	2.4	2.8	2.6	2.5	2.1	1.9	.1	.1
FLORIDA										
Fort Lauderdale-Hollywood	5.7	5.9	4.7	5.1	7.6	7.1	3.4	3.5	3.1	2.6
Jacksonville	5.4	6.4	5.1	6.1	7.0	8.0	3.5	4.1	2.4	2.8
Miami	4.6	6.7	4.3	6.0	6.1	5.4	3.5	4.1	1.9	.3
Orlando	5.4	5.1	4.4	4.6	7.8	6.6	3.4	2.6	3.3	3.1
Pensacola	3.4	4.7	2.8	3.2	10.6	6.1	2.3	3.2	7.4	1.7
Tampa-St. Petersburg	1.2	1.6	1.2	1.4	.8	1.4	.5	1.0	(2)	.3
West Palm Beach	7.5	7.2	6.0	6.2	7.2	8.4	4.8	4.7	1.5	2.5
	3.8	6.3	3.0	5.6	4.1	4.8	2.6	2.8	.4	.4
GEORGIA										
Atlanta <sup>3</sup>	5.7	5.9	4.7	4.7	5.5	5.0	3.7	3.3	.8	.7
	4.7	6.0	3.9	4.8	5.0	5.4	3.1	3.2	.7	1.1
HAWAII <sup>4</sup>										
	2.8	3.8	2.2	2.9	3.0	3.0	1.6	1.7	.6	.4
IDAHO <sup>5</sup>										
	5.8	9.7	4.7	7.1	4.6	4.8	2.7	2.8	.8	1.0
ILLINOIS:										
Chicago	3.9	5.2	3.2	4.1	4.2	4.1	2.3	2.1	.5	.8
INDIANA <sup>1</sup>										
Indianapolis <sup>6</sup>	3.2	5.0	2.0	3.4	3.9	3.6	1.5	1.6	1.5	1.0
	2.4	3.9	1.7	2.8	4.8	3.9	1.1	1.6	2.6	1.0
IOWA										
Cedar Rapids	3.5	5.0	2.3	3.5	3.6	3.8	1.5	1.8	1.3	1.4
Des Moines	3.0	3.0	1.5	1.8	3.4	5.4	1.3	1.3	1.6	3.6
	2.7	5.9	2.1	4.5	3.7	4.5	1.6	3.0	.7	.4
KANSAS										
Topeka	3.4	4.7	2.2	3.3	5.0	5.1	1.8	2.0	2.3	2.2
Wichita	2.8	4.9	1.8	2.5	4.1	4.0	2.1	2.1	1.4	1.2
	2.9	3.2	1.9	2.1	5.1	5.4	1.2	1.4	2.9	3.2
KENTUCKY:										
Louisville	4.1	4.4	3.1	3.6	3.3	3.7	2.0	2.0	.4	1.0
	3.6	3.6	2.8	2.8	3.5	2.9	1.8	1.5	.8	.5
LOUISIANA:										
New Orleans	4.2	6.7	3.3	5.4	5.1	4.6	1.8	1.8	1.9	1.2
MAINE										
Portland	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MARYLAND										
Baltimore	4.3	4.8	2.9	3.6	5.6	4.3	1.8	1.8	2.9	1.7
	4.1	4.7	2.8	3.5	6.4	4.4	1.8	1.8	3.5	1.7

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	
	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970
MASSACHUSETTS .....	5.2	5.1	2.2	3.9	6.8	4.9	2.1	2.4	3.9	1.5
Boston .....	3.5	4.7	1.9	3.7	5.2	4.8	1.9	2.0	2.3	1.9
MICHIGAN .....	(*)	4.9	(*)	2.1	(*)	5.1	(*)	1.0	(*)	3.1
Detroit .....	4.9	5.0	1.7	2.4	6.5	5.7	1.1	1.2	4.3	3.3
MINNESOTA .....	4.1	7.1	3.0	5.5	4.2	4.2	2.3	2.4	1.1	.9
Minneapolis-St. Paul .....	3.4	5.6	2.4	4.2	4.2	4.0	2.1	2.3	1.3	.9
MISSISSIPPI:										
Jackson .....	3.8	6.0	3.1	4.8	5.2	4.3	3.0	2.6	1.2	.7
MISSOURI .....	3.6	5.3	2.5	3.7	3.7	3.8	1.9	1.9	.9	1.1
Kansas City .....	3.3	5.4	2.3	3.5	3.7	4.1	1.9	2.0	1.1	1.4
St. Louis .....	2.5	4.4	1.8	3.1	2.9	3.3	1.3	1.4	.7	1.1
MONTANA .....	5.3	8.5	4.6	7.1	3.9	4.3	2.2	2.5	1.0	.9
NEBRASKA .....	4.3	5.9	3.7	5.1	4.3	4.5	2.9	3.2	.5	.4
NEVADA .....	5.4	8.6	4.5	7.3	8.2	6.4	3.4	3.5	3.2	1.0
NEW HAMPSHIRE .....	3.6	5.5	3.0	4.8	5.5	5.5	3.0	3.6	1.8	1.0
NEW JERSEY:										
Camden <sup>7</sup> .....	4.8	4.7	3.7	3.7	4.2	4.5	1.8	1.7	1.6	1.9
Jersey City .....	3.3	4.5	1.9	2.9	4.8	4.2	1.5	1.6	2.3	1.7
Newark .....	3.5	4.9	2.2	3.8	6.3	3.8	1.6	1.6	3.9	1.3
Paterson-Clifton-Passaic .....	4.4	5.0	2.9	3.8	5.4	4.0	2.0	2.0	2.4	1.1
Perth Amboy .....	4.5	6.0	2.5	3.7	6.7	3.3	1.6	1.5	4.3	.9
Trenton .....	4.6	4.8	2.4	3.8	4.9	3.2	1.7	1.7	2.4	.7
NEW YORK .....	4.4	5.0	2.8	3.4	6.5	4.6	1.7	1.7	3.9	2.0
Albany-Schenectady-Troy .....	2.7	4.2	1.9	3.2	3.5	3.1	1.2	1.5	1.5	.6
Binghamton .....	1.6	3.0	1.0	2.1	2.9	2.2	1.0	1.2	1.2	.5
Buffalo .....	3.8	4.0	2.2	2.7	7.0	3.4	1.2	1.2	5.1	1.4
Elmira .....	3.0	4.9	2.5	4.1	6.9	4.6	1.3	1.5	4.8	1.9
Monroe County <sup>8</sup> .....	2.9	4.0	2.4	3.4	3.6	2.8	1.2	1.3	1.8	.9
Nassau and Suffolk Counties <sup>9</sup> .....	3.3	4.3	2.5	3.4	6.4	4.7	2.1	2.2	3.3	1.6
New York SMSA .....	5.5	5.7	3.3	3.6	8.6	5.5	2.0	1.9	5.5	2.6
New York City <sup>9</sup> .....	6.1	6.2	3.4	3.7	8.8	5.9	2.0	1.8	5.7	3.0
Rochester .....	3.8	4.4	2.9	3.7	3.8	3.0	1.3	1.4	1.9	.9
Syracuse .....	2.1	3.1	1.2	2.0	3.0	2.9	1.3	1.3	1.1	1.0
Utica-Rome .....	2.9	3.3	1.6	2.0	3.7	3.5	1.4	1.4	1.5	1.5
Westchester County <sup>9</sup> .....	4.1	4.0	3.0	3.0	12.1	3.7	1.8	1.6	9.3	1.2
NORTH CAROLINA .....	4.9	5.9	3.9	5.0	4.8	4.5	3.5	3.3	.5	.3
Charlotte .....	4.9	5.9	4.5	5.6	5.5	5.8	3.6	4.2	1.1	.8
Greensboro-Winston-Salem-High Point .....	5.2	5.8	3.9	4.8	3.9	3.9	3.0	2.8	.1	.1
NORTH DAKOTA .....	4.3	7.1	3.5	5.9	4.9	4.0	2.1	2.5	1.6	.8
Fargo-Moorhead .....	7.0	7.1	5.7	5.5	5.1	4.0	2.0	2.4	.6	1.1
OHIO .....	3.6	4.7	2.0	3.1	3.7	3.7	1.3	1.4	1.5	1.4
Akron .....	3.1	3.0	2.4	1.8	2.5	2.7	1.3	1.1	.5	1.0
Canton .....	3.8	6.4	1.7	3.1	2.9	3.3	1.2	1.5	.9	.8
Cincinnati .....	3.4	4.4	2.4	3.1	3.6	3.6	1.7	1.5	.9	1.1
Cleveland .....	3.0	4.6	2.0	3.2	3.2	3.9	1.4	1.5	1.0	1.5
Columbus .....	3.3	4.6	1.9	3.3	3.6	4.0	1.4	2.0	1.3	1.3
Dayton .....	3.3	3.6	1.7	2.3	5.4	3.1	1.1	1.1	3.0	1.1
Toledo .....	4.2	5.8	2.4	4.1	4.9	4.2	1.4	1.4	2.3	1.4
Youngstown-Warren .....	6.2	6.2	2.1	3.4	4.5	3.8	.8	.7	2.6	2.3
OKLAHOMA:										
Oklahoma City .....	7.0	8.7	6.0	7.5	6.1	6.5	3.9	4.0	1.3	1.4
Tulsa <sup>10</sup> .....	4.8	8.5	4.3	6.6	5.9	6.5	3.3	3.8	1.1	1.3
OREGON <sup>1</sup> .....	4.4	6.1	3.6	4.8	4.0	4.5	1.9	2.1	1.2	1.6
Portland <sup>1</sup> .....	3.7	5.0	2.8	3.5	3.8	4.4	1.6	1.7	1.4	1.9

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

104

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	
July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970	
PENNSYLVANIA:										
Allentown-Bethlehem-Easton . . . . .	5.0	3.7	2.0	2.9	4.9	3.4	1.4	1.4	2.8	1.2
Altoona . . . . .	3.7	5.8	2.0	5.1	10.0	3.9	2.6	3.0	7.2	.5
Erie . . . . .	2.0	6.5	1.5	4.6	2.5	4.0	1.2	2.2	.8	.8
Harrisburg . . . . .	4.0	6.1	3.2	4.8	3.5	2.7	1.6	1.6	1.1	.4
Johnstown . . . . .	1.6	1.9	.5	1.3	4.3	2.9	1.0	1.1	3.0	1.4
Lancaster . . . . .	4.8	6.2	2.9	5.3	5.1	4.3	2.5	2.8	1.7	.5
Philadelphia . . . . .	3.8	4.3	2.3	3.3	4.3	4.2	1.5	1.6	2.1	1.7
Pittsburgh . . . . .	3.5	4.0	1.1	2.0	3.1	2.3	.7	.7	1.6	.8
Reading . . . . .	2.9	4.2	2.3	3.5	4.4	3.6	2.1	2.0	1.7	1.0
Scranton . . . . .	4.1	4.9	2.4	3.3	4.7	4.1	1.4	1.5	2.8	2.1
Wilkes-Barre-Hazleton . . . . .	4.7	5.2	1.9	3.9	4.6	4.2	1.6	1.8	2.4	1.8
York . . . . .	4.9	6.6	2.9	5.6	5.1	4.3	2.5	2.7	1.8	.9
RHODE ISLAND:										
Providence-Pawtucket-Warwick . . . . .	6.4	5.1	3.0	3.8	7.4	5.0	2.2	2.4	4.2	1.8
	6.2	4.9	2.8	3.6	7.2	4.9	2.2	2.3	4.1	1.8
SOUTH CAROLINA:										
Greenville . . . . .	5.9	6.1	4.9	5.1	6.3	5.1	4.4	3.8	.8	.2
SOUTH DAKOTA:										
Sioux Falls . . . . .	4.9	4.5	3.0	4.4	3.9	4.0	2.0	2.2	1.3	1.4
	5.1	5.4	1.8	3.5	4.6	4.3	1.5	1.4	2.6	2.7
TENNESSEE:										
Memphis . . . . .	4.5	4.9	3.6	4.1	4.1	4.6	2.4	2.4	.6	1.0
TEXAS:										
Dallas . . . . .	3.5	4.6	2.9	3.9	5.0	5.3	2.9	3.2	1.1	1.0
Fort Worth . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston . . . . .	4.2	5.5	3.9	5.2	4.4	3.8	2.7	2.4	.5	.3
San Antonio . . . . .	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH <sup>5</sup> :										
Salt Lake City <sup>5</sup> . . . . .	3.8	10.0	3.1	6.7	3.6	4.5	2.0	2.7	1.2	.9
	4.4	10.3	3.9	7.1	4.6	5.3	2.3	3.4	1.7	.8
VERMONT:										
Burlington . . . . .	3.3	3.6	1.9	2.9	3.5	4.9	1.6	2.1	1.3	2.1
Springfield . . . . .	1.4	4.3	1.1	3.5	1.8	2.7	1.1	1.8	.3	.4
	7.8	1.5	.5	1.3	5.4	11.0	.6	1.2	4.3	9.2
VIRGINIA:										
Richmond . . . . .	4.0	5.0	3.0	4.0	4.7	4.0	2.6	2.6	1.4	.7
	3.4	4.0	2.8	3.3	3.6	3.3	2.1	2.1	.8	.6
WASHINGTON:										
Seattle-Everett <sup>11</sup> . . . . .	2.0	2.6	1.2	1.9	4.1	5.1	1.2	1.4	2.3	3.2
WEST VIRGINIA:										
Charleston . . . . .	1.2	3.0	1.0	2.5	1.3	.9	.6	.3	.3	.2
WISCONSIN:										
Milwaukee . . . . .	4.4	6.1	3.0	4.5	4.0	3.6	1.5	1.6	1.6	1.1
	3.2	5.2	2.1	3.7	3.4	3.8	1.5	1.8	.9	.9
WYOMING:										
	7.0	10.3	6.0	8.4	4.8	4.6	3.3	2.7	.7	1.2

<sup>1</sup> Excludes canning and preserving.  
<sup>2</sup> Less than 0.05.  
<sup>3</sup> Excludes agricultural chemicals and miscellaneous manufacturing.  
<sup>4</sup> Excludes canned fruits, vegetables, preserves, jams and jellies.  
<sup>5</sup> Excludes canning and preserving, and sugar.  
<sup>6</sup> Excludes canning and preserving, and newspapers.  
<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.  
<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>10</sup> Excludes new-hire rate for transportation equipment.  
<sup>11</sup> Excludes canning and preserving, printing and publishing.

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

**ESTABLISHMENT DATA  
JOB VACANCY**
**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						
Job vacancy rates <sup>1</sup>													
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						
Number of long-term job vacancies <sup>2</sup> (In thousands)													
1969 -----	-	-	-	137	131	110	109	121	127	111	101	90	120
1970 -----	76	69	67	60	58	45	44						
Long-term job vacancy rates <sup>2</sup>													
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						

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

<sup>2</sup> 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						
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July	
Job vacancy rates <sup>1</sup>														
Manufacturing .....	0.6	0.6	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.2	1.4	1.5	1.3	
Durable goods .....	.6	.6	.7	.7	.8	.9	1.0	1.0	1.1	1.2	1.5	1.6	1.3	
Nondurable goods .....	.7	.7	.9	.9	.9	.8	.9	.9	1.0	1.1	1.2	1.3	1.1	
Selected durable goods industries:														
Primary metal industries .....	.4	.5	.6	.7	.6	.6	.8	.7	.9	1.2	1.5	1.4	1.0	
Machinery, except electrical .....	.5	.6	.8	.9	1.0	1.0	1.2	1.1	1.4	1.6	1.8	1.9	1.7	
Electrical equipment and supplies .....	.6	.6	.8	.8	.9	1.1	1.1	1.2	1.2	1.5	1.8	1.9	1.5	
Transportation equipment .....	.5	.5	.6	.5	.7	.6	.8	.8	.8	1.0	1.2	1.5	1.2	
Instruments and related products .....	.6	.7	1.1	1.4	1.7	1.7	1.6	1.4	1.6	1.9	2.3	2.3	2.1	
Selected nondurable goods industries:														
Textile mill products .....	.9	.8	1.1	1.1	1.0	.9	.9	.9	1.0	1.2	1.4	1.5	1.3	
Apparel and other textile products .....	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.5	1.6	1.8	1.9	2.0	2.0	
Printing and publishing .....	.5	.5	.6	.7	.7	.7	.8	.8	.9	.9	1.1	1.3	.8	
Chemicals and allied products .....	.6	.7	.8	.8	1.0	.9	.9	.8	.9	1.0	1.1	1.1	1.1	
Long-term job vacancy rates <sup>2</sup>														
Manufacturing .....	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.5	
Durable goods .....	.2	.2	.2	.3	.3	.3	.4	.5	.5	.6	.6	.6	.5	
Nondurable goods .....	.3	.3	.3	.3	.3	.4	.4	.4	.5	.5	.6	.5	.5	
Selected durable goods industries:														
Primary metal industries .....	.2	.1	.2	.3	.2	.2	.3	.3	.5	.6	.7	.5	.4	
Machinery, except electrical .....	.2	.2	.3	.4	.4	.5	.5	.6	.7	.8	.8	.8	.8	
Electrical equipment and supplies .....	.1	.1	.2	.2	.3	.3	.4	.5	.5	.5	.6	.6	.5	
Transportation equipment .....	.2	.1	.2	.2	.3	.2	.3	.4	.4	.5	.5	.5	.5	
Instruments and related products .....	.2	.2	.4	.6	.9	.8	.6	.6	.7	.7	.8	.7	.9	
Selected nondurable goods industries:														
Textile mill products .....	.2	.2	.3	.3	.3	.3	.3	.4	.4	.4	.5	.5	.5	
Apparel and other textile products .....	.7	.8	.8	.8	.8	.8	.8	.9	1.0	1.1	1.2	1.2	1.2	
Printing and publishing .....	.1	.1	.2	.2	.3	.2	.3	.3	.3	.3	.5	.3	.3	
Chemicals and allied products .....	.3	.3	.4	.4	.4	.3	.4	.4	.5	.5	.6	.6	.6	
Long-term job vacancies as a percent of job vacancies <sup>3</sup>														
Manufacturing .....	35	36	37	38	40	41	41	48	49	46	44	39	43	
Durable goods .....	33	33	35	37	40	40	41	48	49	44	43	37	40	
Nondurable goods .....	38	40	39	39	41	42	41	49	48	48	45	41	46	
Selected durable goods industries:														
Primary metal industries .....	36	29	39	37	39	41	40	45	49	49	50	35	41	
Machinery, except electrical .....	42	38	42	42	46	47	46	54	52	48	47	43	45	
Electrical equipment and supplies .....	22	22	27	28	30	32	36	42	42	35	37	30	34	
Transportation equipment .....	37	30	28	41	39	37	38	52	55	47	42	36	40	
Instruments and related products .....	23	34	39	41	51	49	36	42	43	36	34	32	42	
Selected nondurable goods industries:														
Textile mill products .....	24	29	28	26	29	31	30	43	40	36	37	35	36	
Apparel and other textile products .....	52	55	53	54	54	52	52	62	61	60	61	60	60	
Printing and publishing .....	27	32	30	33	38	36	35	38	40	37	40	28	33	
Chemicals and allied products .....	45	43	48	49	42	40	48	52	56	55	52	52	50	

<sup>1</sup> See footnote 1, table E-1.

<sup>2</sup> See footnote 2, table E-1.

<sup>3</sup> 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					
	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Aug.	July
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 .....	51.0	52.1	53.7	54.8	65.9	58.9	60.3	61.0	60.4	62.5	63.2	64.0	62.6
Primary metal industries .....	4.5	5.3	5.6	6.2	4.6	4.4	5.6	5.3	6.2	7.0	7.0	6.4	5.3
Machinery, except electrical .....	8.4	10.5	10.6	11.3	12.2	12.6	12.9	12.6	13.3	13.3	12.7	12.6	13.5
Electrical equipment and supplies .....	10.0	9.1	9.7	10.0	10.9	12.5	12.1	13.4	12.0	13.0	12.9	12.6	12.3
Transportation equipment .....	6.6	7.0	7.2	6.3	8.3	7.1	8.5	8.4	7.9	8.7	9.0	10.0	9.4
Instruments and related products .....	2.4	2.6	3.6	4.4	5.0	4.9	4.1	3.6	3.7	3.8	3.8	3.5	4.0
Other durable goods industries .....	19.3	17.6	16.9	16.5	15.8	17.4	17.2	17.6	17.3	16.7	17.7	18.8	18.1
Nondurable goods .....	49.0	47.9	46.3	45.2	43.1	41.1	39.7	39.0	39.6	37.5	36.8	36.0	37.4
Textile mill products .....	6.9	6.7	6.8	7.0	6.0	5.1	4.5	4.7	4.7	4.9	4.8	4.9	5.0
Apparel and other textile products .....	15.0	16.6	14.3	13.2	13.4	13.6	12.1	11.6	11.1	10.7	9.6	9.3	10.9
Printing and publishing .....	4.4	4.3	4.4	5.0	4.7	4.5	5.1	4.8	4.6	4.1	4.4	4.5	3.5
Chemicals and allied products .....	5.3	6.0	5.4	5.6	5.9	5.6	5.2	4.5	4.4	4.3	3.9	3.8	4.8
Other nondurable goods industries .....	17.4	14.3	15.3	14.4	13.2	12.2	12.9	13.3	14.9	13.5	14.0	13.5	13.2

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

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total <sup>1</sup>		Long-term <sup>2</sup>			Total <sup>1</sup>		Long-term <sup>2</sup>	
	July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970		July 1970 <sup>P</sup>	June 1970	July 1970 <sup>P</sup>	June 1970
United States <sup>3</sup> .....	0.6	0.6	0.2	0.2	Areas—Continued				
Albany—Schenectady— Troy .....	.9	.7	.4	.3	Minneapolis—St. Paul .....	0.4	0.4	0.2	0.2
Atlanta .....	.5	.6	.1	.1	New Orleans .....	.3	.5	.2	.3
Baltimore .....	.7	.8	.2	.3	Newark .....	.6	.7	.2	.3
Boston .....	1.0	.9	.4	.3	New York .....	.7	.7	.3	.3
Buffalo .....	.6	.4	.1	.1	Oklahoma City .....	.7	.5	.2	.2
Cedar Rapids .....	.4	.8	*	*	Paterson—Clifton— Passaic .....	.5	.7	.2	.2
Dallas .....	.4	.3	.1	.1	Perth Amboy .....	.7	.9	.3	.4
Denver .....	.6	.6	.2	.2	Philadelphia .....	.5	.7	.2	.2
Des Moines .....	.3	.5	.2	.2	Phoenix .....	1.1	.9	.2	.2
Detroit .....	.4	.2	.1	.1	Portland .....	.2	.2	*	.1
Greensboro—Winston-Salem— High Point .....	1.1	1.5	.3	.3	Providence—Pawtucket— Warwick .....	.8	.5	.2	.2
Houston .....	1.0	1.1	.5	.7	Richmond .....	.8	.7	.2	.3
Jersey City .....	.2	.2	*	.1	Salt Lake City .....	.3	1.3	*	*
Kansas City .....	.5	.5	.1	.1	St. Louis .....	.2	.3	.1	.1
Miami .....	.5	1.0	.1	.4	Tampa—St. Petersburg .....	1.3	1.0	.2	.3
Milwaukee .....	.5	.5	.1	.2	Wichita .....	.3	.7	*	.1

<sup>1</sup> See footnote 1, table E-1.  
<sup>2</sup> See footnote 2, table E-1.  
<sup>3</sup> Based on a nationwide sample which includes metropolitan areas not shown in the table as well as nonmetropolitan areas.  
<sup>P</sup> preliminary.  
\* Less than .05.  
Source: Cooperating State agencies listed on inside back cover.



## F-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	Sept. 1970	Aug. 1970	Sept. 1969	Change to September from <sup>1</sup>		Sept. 1970	Aug. 1970	Sept. 1969
				Aug. 1970	Sept. 1969			
<b>TOTAL</b> <sup>2</sup> .....	1,647.6	1,747.9	847.9	-100.3	+799.7	3.1	3.3	1.6
<b>SEASONALLY ADJUSTED</b> .....	2,241.2	1,960.9	1,126.5	+280.2	+1,114.7	4.2	3.7	2.2
Alabama .....	21.0	20.3	11.5	+ .7	+9.5	3.0	2.9	1.7
Alaska .....	2.5	2.8	1.4	- .2	+1.1	4.8	5.3	3.0
Arizona .....	10.1	11.1	4.2	-1.0	+5.9	2.7	3.0	1.3
Arkansas .....	11.6	11.9	6.4	- .2	+5.2	2.9	3.0	1.7
California* .....	272.3	267.7	145.9	+4.5	+126.4	5.2	5.1	2.9
Colorado .....	5.3	5.6	2.3	- .3	+3.0	1.1	1.1	.5
Connecticut .....	44.8	55.4	19.7	-10.6	+25.1	4.4	5.5	2.0
Delaware .....	3.9	7.7	1.8	-3.7	+2.2	2.3	4.5	1.1
District of Columbia .....	5.6	5.9	3.3	- .3	+2.3	1.6	1.7	1.0
Florida .....	39.0	38.5	24.5	+ .5	+14.5	2.7	2.6	1.8
Georgia .....	19.6	25.9	8.9	-6.3	+10.7	1.8	2.3	.8
Hawaii .....	6.2	5.4	3.2	+ .9	+3.1	2.6	2.2	1.4
Idaho .....	4.2	5.3	2.1	-1.1	+2.1	2.8	3.5	1.5
Illinois .....	73.1	72.1	31.3	+1.0	+41.7	2.3	2.2	1.0
Indiana .....	25.6	26.4	10.3	- .9	+15.3	1.8	1.8	.8
Iowa .....	9.7	13.0	4.9	-3.3	+4.8	1.7	2.2	.9
Kansas .....	14.7	18.5	5.9	-3.9	+8.7	3.3	4.2	1.4
Kentucky .....	13.5	14.8	9.2	-1.3	+4.2	2.2	2.4	1.6
Louisiana .....	25.9	26.2	15.6	- .3	+10.3	3.6	3.6	2.2
Maine .....	8.9	9.0	7.3	- .1	+1.6	4.0	4.0	3.3
Maryland .....	20.7	21.2	10.5	- .5	+10.2	2.2	2.3	1.2
Massachusetts .....	74.2	73.3	38.4	+ .8	+35.8	4.3	4.2	2.2
Michigan .....	98.8	141.3	34.1	-42.5	+64.8	4.0	5.7	1.4
Minnesota .....	22.9	21.2	5.2	+1.7	+17.7	2.3	2.2	.6
Mississippi .....	7.0	7.7	5.5	- .8	+1.4	1.8	2.0	1.5
Missouri .....	32.0	39.7	18.2	-7.6	+13.8	2.7	3.3	1.6
Montana .....	2.4	2.8	1.5	- .4	+ .9	1.9	2.3	1.2
Nebraska .....	3.8	3.8	1.9	- .1	+1.9	1.2	1.3	.7
Nevada .....	5.7	5.6	2.7	+ .1	+3.0	3.7	3.6	2.0
New Hampshire .....	5.0	4.2	1.9	+ .8	+3.2	2.5	2.2	1.0
New Jersey .....	79.2	85.5	44.9	-6.2	+34.3	3.8	4.1	2.4
New Mexico .....	7.5	7.4	2.8	+ .1	+4.7	4.1	4.0	1.6
New York .....	183.8	187.1	108.5	-3.3	+75.3	3.2	3.3	1.9
North Carolina .....	23.6	25.0	12.2	-1.4	+11.4	1.8	1.9	1.0
North Dakota .....	.7	1.0	.5	- .3	+ .2	.9	1.2	.6
Ohio .....	50.4	56.6	18.7	-6.2	+31.7	1.7	1.9	.7
Oklahoma .....	13.5	14.2	8.0	- .7	+5.5	2.8	2.9	1.7
Oregon .....	21.0	22.1	11.3	-1.0	+9.8	3.9	4.1	2.2
Pennsylvania .....	98.4	97.5	49.5	+ .9	+48.9	2.9	2.9	1.5
Puerto Rico <sup>2</sup> .....	57.5	54.6	45.9	+2.9	+11.5	8.6	9.0	6.4
Rhode Island .....	12.9	15.7	7.2	-2.8	+5.8	4.6	5.6	2.6
South Carolina .....	15.8	16.2	8.7	- .4	+7.1	2.6	2.6	1.5
South Dakota .....	1.0	1.1	.7	- .1	+ .3	1.1	1.2	.8
Tennessee .....	28.5	27.6	17.1	+ .8	+11.3	3.0	2.9	1.9
Texas .....	36.7	36.9	16.3	- .1	+20.4	1.4	1.4	.7
Utah .....	6.4	6.1	4.5	+ .3	+1.9	2.8	2.7	2.1
Vermont .....	2.8	3.0	1.1	- .2	+1.7	2.8	2.9	1.2
Virginia .....	9.0	9.4	5.0	- .5	+4.0	.9	.9	.5
Washington .....	73.9	75.1	28.7	-1.2	+45.2	8.9	9.1	3.5
West Virginia .....	7.6	8.6	6.0	-1.1	+1.5	2.1	2.4	1.7
Wisconsin .....	26.7	32.1	10.0	-5.4	+16.8	2.3	2.8	.9
Wyoming .....	.6	.7	.4	- .1	+ .2	.8	.9	.5

<sup>1</sup>Based on unrounded data; changes of less than 50 not shown.

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

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

UNEMPLOYMENT INSURANCE DATA

F-2: Insured unemployment<sup>1</sup> in 150 major labor areas<sup>2</sup>

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

State and area	Sept. 1970	Sept. 1969	State and area	Sept. 1970	Sept. 1969	State and area	Sept. 1970	Sept. 1969	State and area	Sept. 1970	Sept. 1969
<b>ALABAMA</b>			<b>INDIANA</b>			<b>NEW HAMPSHIRE</b>			<b>Pennsylvania--</b>		
Birmingham.....	4.7	2.6	Evansville.....	1.5	.8	Manchester.....	1.0	.4	continued		
Mobile.....	2.2	1.6	Ft. Wayne.....	1.7	.3				York.....	2.0	1.0
			Gary-Hammond..	2.1	1.0	<b>NEW JERSEY</b>			<b>PUERTO RICO*</b>		
<b>ARIZONA</b>			Indianapolis....	5.1	1.7	Atlantic City....	2.5	1.1	Mayaguez.....	2.7	1.6
Phoenix.....	7.4	2.4	South Bend.....	2.0	1.1	Jersey City.....	11.7	7.4	Ponce.....	2.1	1.2
			Terre Haute.....	.7	.4	New Brunswick..	8.7	4.5	San Juan.....	6.4	4.1
<b>ARKANSAS</b>			<b>IOWA</b>			Paterson.....	17.8	9.7			
Little Rock.....	1.5	.6	Cedar Rapids....	.8	.1	Trenton.....	2.1	1.4	<b>RHODE ISLAND</b>		
			Des Moines.....	.8	.7				Providence.....	17.9	7.7
<b>CALIFORNIA</b>			<b>KANSAS</b>			<b>NEW MEXICO</b>					
Anaheim-S. Ana-			Wichita.....	7.6	2.5	Albuquerque....	3.1	.7	<b>SOUTH CAROLINA</b>		
Garden Grove..	20.5	9.7						Charleston.....	1.5	.9	
Fresno.....	4.5	2.7	<b>KENTUCKY</b>			<b>NEW YORK</b>			Greenville.....	1.8	.8
Los Angeles....	128.6	68.5	Louisville.....	4.8	3.0	Albany.....	4.3	2.4			
Sacramento.....	8.1	5.3				Binghamton....	2.3	1.2			
San Bernardino..	14.6	8.5	<b>LOUISIANA</b>			Buffalo.....	11.8	5.2			
San Diego.....	18.2	8.7	Baton Rouge....	2.0	1.2	New York.....	140.3	86.6			
San Francisco...	43.5	23.0	New Orleans....	8.5	5.4	Rochester.....	7.1	2.4	<b>TENNESSEE</b>		
San Jose.....	14.9	5.3	Shreveport.....	2.0	.9	Syracuse.....	5.4	2.0	Chattanooga....	2.1	1.6
Stockton.....	3.3	1.5				Utica.....	3.1	1.7	Knoxville.....	2.8	1.6
<b>COLORADO</b>			<b>MAINE</b>						Memphis.....	4.0	3.5
Denver.....	3.5	1.3	Portland.....	1.2	.8	<b>NORTH CAROLINA</b>			Nashville.....	2.7	1.5
			<b>MARYLAND</b>			Asheville.....	.9	.4			
<b>CONNECTICUT</b>			Baltimore.....	14.6	7.3	Charlotte.....	1.5	1.0	<b>TEXAS</b>		
Bridgeport.....	7.4	3.2			Durham.....	.7	.5	Austin.....	.6	.2	
Hartford.....	7.6	4.1	<b>MASSACHUSETTS</b>			Greensboro-			Beaumont.....	2.1	1.2
New Britain.....	2.7	1.3	Boston.....	32.7	17.4	Winston-Salem..	2.7	1.2	Corpus Christi..	1.5	.6
New Haven.....	5.1	2.6	Brockton.....	2.4	1.1				Dallas.....	7.2	1.3
Stamford.....	1.8	1.0	Fall River.....	3.3	1.7	<b>OHIO</b>			El Paso.....	1.5	1.2
Waterbury.....	5.0	2.2	Lawrence.....	6.4	2.7	Akron.....	3.3	1.3	Ft. Worth.....	3.3	.7
			Lowell.....	3.4	1.6	Canton.....	1.6	.6	Houston.....	4.0	1.8
<b>DELAWARE</b>			New Bedford....	5.1	2.5	Cincinnati.....	5.8	2.4	San Antonio.....	3.3	1.4
Wilmington.....	4.0	1.6	Springfield....	7.3	3.9	Cleveland.....	12.2	3.2			
			Worcester.....	3.8	2.0	Columbus.....	3.2	1.5	<b>UTAH</b>		
<b>DIST. OF COL.</b>						Dayton.....	3.6	1.0	Salt Lake City..	3.9	2.7
Washington.....	9.7	5.2	<b>MICHIGAN</b>			Hamilton.....	1.1	.5			
			Battle Creek....	1.9	.8	Lotain.....	1.5	.5	<b>VIRGINIA</b>		
<b>FLORIDA</b>			Detroit.....	55.5	17.0	Steubenville...	.6	.3	Hampton.....	1.4	.5
Jacksonville....	1.0	.6	Flint.....	6.3	1.6	Toledo.....	3.6	1.1	Norfolk.....	1.2	.8
Miami.....	12.5	6.1	Grand Rapids...	5.5	2.6	Youngstown....	2.8	.9	Richmond.....	.8	.3
Tampa.....	5.1	2.6	Kalamazoo.....	2.0	.5	<b>OKLAHOMA</b>			Roanoke.....	.4	.1
			Lansing.....	2.8	.9	Oklahoma City..	2.4	1.3			
<b>GEORGIA</b>			Muskegon.....	2.7	.9	Tulsa.....	2.8	1.6	<b>WASHINGTON</b>		
Atlanta.....	6.7	2.6	Saginaw.....	1.2	.5				Seattle.....	44.6	13.3
Augusta.....	1.5	.7				<b>OREGON</b>			Spokane.....	4.3	1.9
Columbus.....	1.2	.6	<b>MINNESOTA</b>			Portland.....	12.8	4.7	Tacoma.....	8.1	3.2
Macon.....	1.1	.5	Duluth.....	1.3	.8						
Savannah.....	1.2	.4	Minneapolis....	12.6	1.8	<b>PENNSYLVANIA</b>			<b>WEST VIRGINIA</b>		
						Allentown.....	4.2	2.2	Charleston.....	.9	.8
<b>HAWAII</b>			<b>MISSISSIPPI</b>			Altoona.....	1.1	.8	Huntington.....	1.7	1.5
Honolulu.....	5.0	2.3	Jackson.....	.7	.4	Erie.....	1.6	.7	Wheeling.....	.8	.6
						Harrisburg.....	1.5	1.3			
<b>ILLINOIS</b>			<b>MISSOURI</b>			Johnstown.....	2.4	1.4	<b>WISCONSIN</b>		
Chicago.....	38.7	16.9	Kansas City....	8.5	3.6	Lancaster.....	1.4	.6	Kenosha.....	.6	.3
Davenport.....	2.4	2.2	St. Louis.....	19.7	10.4	Philadelphia...	45.7	20.8	Madison.....	.8	.3
Peoria.....	1.4	.8				Pittsburgh.....	15.2	8.4	Milwaukee.....	9.9	3.5
Rockford.....	2.6	.8	<b>NEBRASKA</b>			Reading.....	2.4	1.1	Racine.....	1.3	.4
			Omaha.....	1.8	1.2	Scranton.....	4.3	2.3			
						Wilkes-Barre...	6.0	3.9			

<sup>1</sup>Insured jobless under State, Federal Employee, and Ex-Servicemen's unemployment insurance programs.  
<sup>2</sup>For 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.

## QUARTERLY AVERAGES

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**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Employment status, sex, and age	1970				1969				1968				1967	
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	
<b>Total</b>														
Total labor force	85,972	85,743	85,759	84,982	84,566	83,876	83,596	82,638	82,411	82,265	81,757	81,650	81,080	
Civilian labor force	82,840	82,517	82,410	81,495	81,035	80,355	80,111	79,098	78,822	78,729	78,283	78,183	77,625	
Employed	78,502	78,533	78,992	78,570	78,090	77,550	77,418	76,409	76,017	75,898	75,392	75,121	74,630	
Agriculture	3,446	3,584	3,492	3,439	3,558	3,707	3,754	3,696	3,753	3,874	3,984	3,944	3,855	
Nonagricultural industries	75,056	74,948	75,500	75,131	74,532	73,843	73,664	72,713	72,264	72,024	71,408	71,177	70,775	
On part time for economic reasons	2,245	2,238	1,891	1,878	1,892	1,757	1,693	1,699	1,747	1,723	1,688	1,893	1,897	
Usually work full time	1,199	1,260	1,058	1,023	991	920	885	890	948	907	835	1,028	1,020	
Usually work part time	1,045	978	833	855	901	837	807	809	799	816	854	864	877	
Unemployed	4,338	3,985	3,419	2,925	2,945	2,805	2,693	2,689	2,805	2,831	2,891	3,062	2,995	
<b>Men, 20 years and over</b>														
Total labor force	50,022	49,986	49,788	49,574	49,511	49,306	49,250	49,003	48,991	48,791	48,540	48,438	48,278	
Civilian labor force	47,304	47,193	46,907	46,570	46,455	46,211	46,185	45,928	45,890	45,830	45,748	45,667	45,475	
Employed	45,490	45,594	45,639	45,533	45,428	45,279	45,297	45,006	44,900	44,831	44,702	44,603	44,422	
Agriculture	2,542	2,610	2,496	2,519	2,636	2,689	2,702	2,727	2,784	2,848	2,910	2,868	2,816	
Nonagricultural industries	42,948	42,984	43,143	43,014	42,792	42,590	42,595	42,279	42,116	41,983	41,792	41,735	41,606	
Unemployed	1,814	1,599	1,268	1,037	1,027	932	888	922	990	999	1,046	1,064	1,053	
<b>Women, 20 years and over</b>														
Civilian labor force	28,382	28,062	28,145	27,771	27,608	27,207	27,091	26,595	26,312	26,212	25,976	26,099	25,656	
Employed	26,972	26,757	27,000	26,753	26,561	26,185	26,119	25,641	25,327	25,235	24,954	24,980	24,564	
Agriculture	522	570	600	565	555	613	668	619	575	610	650	671	623	
Nonagricultural industries	26,450	26,186	26,401	26,188	26,006	25,572	25,451	25,022	24,752	24,625	24,304	24,309	23,941	
Unemployed	1,411	1,305	1,144	1,018	1,047	1,022	972	954	985	977	1,022	1,119	1,092	
<b>Both sexes, 16-19 years</b>														
Civilian labor force	7,154	7,263	7,358	7,154	6,972	6,937	6,835	6,575	6,620	6,687	6,559	6,417	6,494	
Employed	6,041	6,182	6,352	6,284	6,101	6,086	6,002	5,962	5,970	5,832	5,736	5,538	5,644	
Agriculture	382	404	396	355	367	405	384	350	394	416	424	405	416	
Nonagricultural industries	5,659	5,778	5,957	5,929	5,734	5,681	5,618	5,412	5,396	5,416	5,312	5,133	5,228	
Unemployed	1,113	1,080	1,006	870	871	851	833	813	830	855	823	879	850	

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

**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
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>Full time</b>													
Total 16 years and over:													
Civilian labor force	71,221	70,860	70,529	70,214	70,032	69,401	69,120	68,508	68,342	68,354	68,059	68,064	67,659
Employed <sup>1</sup>	67,844	67,682	67,908	68,022	67,827	67,243	67,059	66,517	66,225	66,224	65,801	65,703	65,385
Unemployed	3,377	3,177	2,621	2,192	2,205	2,158	2,061	1,991	2,117	2,130	2,258	2,361	2,274
Unemployment rate	4.7	4.5	3.7	3.1	3.1	3.1	3.0	2.9	3.1	3.1	3.3	3.5	3.4
<b>Men, 20 years and over:</b>													
Civilian labor force	45,019	44,975	44,618	44,451	44,321	44,145	44,083	43,922	43,916	43,907	43,787	43,754	43,573
Employed <sup>1</sup>	43,382	43,506	43,456	43,520	43,429	43,296	43,282	43,101	43,033	43,009	42,827	42,789	42,629
Unemployed	1,638	1,469	1,162	931	891	849	801	821	883	898	960	965	944
Unemployment rate	3.6	3.3	2.6	2.1	2.0	1.9	1.8	1.9	2.0	2.0	2.2	2.2	2.2
<b>Women, 20 years and over:</b>													
Civilian labor force	22,322	22,014	22,031	21,842	21,867	21,576	21,390	20,991	20,773	20,742	20,594	20,627	20,459
Employed <sup>1</sup>	21,207	20,941	21,134	21,081	21,036	20,748	20,609	20,254	20,016	19,990	19,782	19,766	19,617
Unemployed	1,115	1,072	897	761	831	828	781	737	757	752	812	861	842
Unemployment rate	5.0	4.9	4.1	3.5	3.8	3.8	3.7	3.5	3.6	3.6	3.9	4.2	4.1
<b>Both sexes, 16-19 years:</b>													
Civilian labor force	3,879	3,871	3,880	3,921	3,844	3,679	3,648	3,595	3,653	3,705	3,678	3,683	3,627
Employed <sup>1</sup>	3,255	3,235	3,318	3,421	3,361	3,198	3,168	3,162	3,176	3,225	3,192	3,148	3,139
Unemployed	624	636	562	500	483	481	480	433	477	480	486	535	488
Unemployment rate	16.1	16.4	14.5	12.8	12.6	13.1	13.2	12.0	13.1	13.0	13.2	14.5	13.5
<b>Part time</b>													
Total 16 years and over:													
Civilian labor force	11,742	11,610	11,798	11,312	10,996	10,899	10,887	10,600	10,503	10,392	10,137	10,166	9,951
Employed <sup>1</sup>	10,799	10,813	10,961	10,599	10,262	10,254	10,220	9,938	9,834	9,680	9,457	9,475	9,268
Unemployed	943	797	837	713	734	645	667	662	669	712	680	691	683
Unemployment rate	8.0	6.9	7.1	6.3	6.7	5.9	6.1	6.2	6.4	6.9	6.7	6.8	6.9
<b>Men, 20 years and over:</b>													
Civilian labor force	2,284	2,229	2,274	2,118	2,135	2,087	2,076	2,006	1,960	1,958	1,915	1,919	1,884
Employed <sup>1</sup>	2,130	2,097	2,159	2,015	2,011	2,000	1,984	1,914	1,867	1,850	1,819	1,825	1,793
Unemployed	154	132	114	103	124	88	92	92	93	108	96	94	91
Unemployment rate	6.7	5.9	5.0	4.9	5.8	4.2	4.4	4.6	4.7	5.5	5.0	4.9	4.8
<b>Women, 20 years and over:</b>													
Civilian labor force	6,077	6,067	6,121	5,855	5,746	5,661	5,685	5,534	5,559	5,506	5,363	5,377	5,199
Employed <sup>1</sup>	5,782	5,825	5,854	5,619	5,533	5,463	5,478	5,331	5,340	5,271	5,133	5,137	4,968
Unemployed	295	242	268	236	213	198	207	203	219	235	230	240	231
Unemployment rate	4.9	4.0	4.4	4.0	3.7	3.5	3.6	3.7	3.9	4.3	4.3	4.5	4.4
<b>Both sexes, 16-19 years:</b>													
Civilian labor force	3,381	3,313	3,403	3,338	3,114	3,151	3,126	3,060	2,984	2,928	2,859	2,870	2,868
Employed <sup>1</sup>	2,887	2,890	2,948	2,964	2,717	2,792	2,758	2,693	2,627	2,559	2,505	2,513	2,507
Unemployed	494	423	455	374	397	359	367	367	357	369	354	357	361
Unemployment rate	14.6	12.8	13.4	11.2	12.7	11.4	11.7	12.0	12.0	12.6	12.4	12.4	12.6

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**3: Employment status by color, sex, and age, seasonally adjusted**  
(In thousands)

Characteristics	1970				1969				1968				1967	
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	
<b>White</b>														
Total:														
Civilian labor force .....	73,525	73,263	73,316	72,475	71,942	71,466	71,285	70,392	70,045	69,851	69,587	69,440	68,944	
Employed .....	69,956	70,059	70,527	70,096	69,575	69,260	69,135	68,267	67,804	67,617	67,311	67,032	66,576	
Unemployed .....	3,568	3,204	2,789	2,379	2,367	2,206	2,150	2,125	2,241	2,234	2,276	2,408	2,368	
Unemployment rate .....	4.9	4.4	3.8	3.3	3.3	3.1	3.0	3.0	3.2	3.2	3.3	3.5	3.4	
Males, 20 years and over:														
Civilian labor force .....	42,503	42,463	42,245	41,956	41,842	41,639	41,656	41,423	41,373	41,235	41,230	41,175	40,972	
Employed .....	40,986	41,131	41,180	41,091	40,995	40,871	40,926	40,677	40,553	40,405	40,376	40,300	40,101	
Unemployed .....	1,517	1,332	1,065	865	847	768	730	746	820	830	854	875	871	
Unemployment rate .....	3.6	3.1	2.5	2.1	2.0	1.8	1.8	1.8	2.0	2.0	2.1	2.1	2.1	
Females, 20 years and over:														
Civilian labor force .....	24,664	24,378	24,513	24,156	23,949	23,684	23,566	23,122	22,843	22,741	22,565	22,632	22,276	
Employed .....	23,504	23,347	23,587	23,327	23,120	22,891	22,794	22,372	22,066	21,987	21,777	21,766	21,416	
Unemployed .....	1,159	1,032	926	829	829	793	772	750	777	754	788	866	860	
Unemployment rate .....	4.7	4.2	3.8	3.4	3.5	3.3	3.3	3.2	3.4	3.3	3.5	3.8	3.9	
Both sexes, 16 to 19 years:														
Civilian labor force .....	6,358	6,422	6,558	6,363	6,151	6,143	6,063	5,847	5,829	5,875	5,792	5,633	5,696	
Employed .....	5,466	5,581	5,760	5,678	5,460	5,498	5,415	5,218	5,185	5,225	5,158	4,966	5,059	
Unemployed .....	892	841	798	685	691	645	648	629	644	650	634	667	637	
Unemployment rate .....	14.0	13.1	12.2	10.8	11.2	10.5	10.7	10.8	11.0	11.1	10.9	11.8	11.2	
<b>Negro and other races</b>														
Total:														
Civilian labor force .....	9,210	9,226	9,224	9,056	8,979	8,867	8,914	8,737	8,700	8,828	8,762	8,733	8,632	
Employed .....	8,423	8,447	8,598	8,500	8,394	8,271	8,371	8,164	8,132	8,233	8,147	8,073	8,006	
Unemployed .....	787	779	626	556	585	596	543	573	568	595	615	660	626	
Unemployment rate .....	8.5	8.4	6.8	6.1	6.5	6.7	6.1	6.6	6.5	6.7	7.0	7.6	7.3	
Males, 20 years and over:														
Civilian labor force .....	4,777	4,706	4,700	4,622	4,593	4,549	4,554	4,513	4,517	4,562	4,543	4,496	4,507	
Employed .....	4,484	4,434	4,498	4,445	4,416	4,382	4,397	4,335	4,349	4,388	4,351	4,305	4,328	
Unemployed .....	293	272	201	177	177	167	157	178	168	174	192	191	179	
Unemployment rate .....	6.1	5.8	4.3	3.8	3.9	3.7	3.4	3.9	3.7	3.8	4.2	4.2	4.0	
Females, 20 years and over:														
Civilian labor force .....	3,653	3,688	3,682	3,616	3,595	3,535	3,550	3,468	3,414	3,467	3,433	3,444	3,348	
Employed .....	3,392	3,416	3,468	3,429	3,372	3,307	3,352	3,264	3,205	3,246	3,200	3,191	3,112	
Unemployed .....	260	272	215	187	223	228	198	204	209	221	233	253	236	
Unemployment rate .....	7.1	7.4	5.8	5.2	6.2	6.4	5.6	5.9	6.1	6.4	6.8	7.3	7.0	
Both sexes, 16 to 19 years:														
Civilian labor force .....	780	832	842	818	791	783	810	756	769	799	786	793	777	
Employed .....	547	597	632	626	606	582	622	565	578	599	596	577	566	
Unemployed .....	234	235	210	192	185	201	188	191	191	200	190	216	211	
Unemployment rate .....	30.0	28.2	24.9	23.5	23.4	25.7	23.2	25.3	24.8	25.0	24.2	27.2	27.2	

**4: Unemployed persons by duration of unemployment, seasonally adjusted**

(In thousands)

Duration of unemployment	1970				1969				1968				1967	
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	
Less than 5 weeks .....	2,199	2,158	1,908	1,652	1,686	1,670	1,531	1,523	1,618	1,618	1,603	1,641	1,651	
5 to 14 weeks .....	1,385	1,197	1,028	896	891	733	792	808	807	799	821	963	913	
15 weeks and over .....	746	622	473	381	392	389	345	353	409	408	466	466	442	
15 to 26 weeks .....	483	391	315	251	241	255	227	219	254	253	289	290	264	
27 weeks and over .....	263	231	158	130	151	134	118	133	154	155	178	175	178	
Average (mean) duration .....	9.0	8.9	8.1	7.8	8.0	8.2	8.0	8.1	8.3	8.6	9.0	8.7	8.5	

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**5: Major unemployment indicators, seasonally adjusted**

(Unemployment rates)

Selected categories	1970				1969				1968				1967	
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	
<b>Total (all civilian workers)</b> . . . . .	5.2	4.8	4.1	3.6	3.6	3.5	3.4	3.4	3.6	3.6	3.7	3.9	3.9	
Men, 20 years and over . . . . .	3.8	3.4	2.7	2.2	2.2	2.0	1.9	2.0	2.2	2.2	2.3	2.3	2.3	
Women, 20 years and over . . . . .	5.0	4.7	4.1	3.7	3.8	3.8	3.6	3.6	3.7	3.7	3.9	4.3	4.3	
Both sexes, 16-19 years . . . . .	15.6	14.9	13.7	12.2	12.5	12.3	12.2	12.4	12.5	12.8	12.5	13.7	13.1	
<b>White</b> . . . . .	4.9	4.4	3.8	3.3	3.3	3.1	3.0	3.0	3.2	3.2	3.3	3.5	3.4	
<b>Negro and other races</b> . . . . .	8.5	8.4	6.8	6.1	6.5	6.7	6.1	6.6	6.5	6.7	7.0	7.6	7.3	
<b>Married men</b> . . . . .	2.8	2.5	2.0	1.6	1.6	1.5	1.4	1.5	1.6	1.6	1.7	1.8	1.8	
<b>Full-time workers</b> . . . . .	4.7	4.5	3.7	3.1	3.1	3.1	3.0	2.9	3.1	3.1	3.3	3.5	3.3	
<b>Part-time workers</b> . . . . .	8.0	6.9	7.1	6.3	6.7	5.9	6.1	6.4	6.4	6.8	6.5	7.0	7.0	
<b>Unemployed 15 weeks and over<sup>1</sup></b> . . . . .	.9	.7	.6	.5	.5	.4	.4	.4	.5	.5	.6	.6	.6	
<b>State insured<sup>2</sup></b> . . . . .	3.8	3.5	2.6	2.3	2.2	2.1	2.1	2.1	2.2	2.2	2.3	2.4	2.6	
<b>Labor force time lost<sup>3</sup></b> . . . . .	5.6	5.1	4.5	4.1	4.1	3.8	3.7	3.8	4.0	3.9	4.1	4.4	4.3	
<b>Occupation</b>														
<b>White-collar workers</b> . . . . .	2.9	2.8	2.4	2.2	2.2	2.0	2.0	1.9	2.0	2.0	2.0	2.2	2.2	
Professional and technical . . . . .	2.0	1.9	1.9	1.5	1.4	1.3	1.1	1.2	1.3	1.2	1.2	1.3	1.3	
Managers, officials, and proprietors . . . . .	1.5	1.3	1.0	.9	1.0	.9	.9	1.0	1.1	.9	.9	1.0	.9	
Clerical workers . . . . .	4.1	4.0	3.3	3.2	3.2	2.8	2.9	2.8	2.9	3.0	3.1	3.4	3.3	
Sales workers . . . . .	3.9	4.0	3.2	2.8	3.0	2.9	2.9	2.8	2.6	2.7	3.0	3.2	3.6	
<b>Blue-collar workers</b> . . . . .	7.0	6.0	4.9	4.3	4.0	3.8	3.7	3.8	4.2	4.0	4.4	4.5	4.5	
Craftsmen and foremen . . . . .	4.9	3.9	2.6	2.2	2.2	2.1	2.1	2.2	2.4	2.4	2.5	2.5	2.3	
Operatives . . . . .	7.6	6.6	5.7	5.0	4.4	4.3	4.1	4.3	4.5	4.3	4.8	5.1	5.1	
Nonfarm laborers . . . . .	10.6	9.4	7.9	6.9	7.2	6.5	6.4	6.7	7.4	7.0	7.7	7.8	7.6	
<b>Service workers</b> . . . . .	5.6	5.0	4.7	3.9	4.5	4.4	4.0	4.3	4.5	4.6	4.3	4.9	4.5	
<b>Farm workers</b> . . . . .	3.2	2.5	2.1	1.8	2.2	1.9	1.6	1.6	2.4	2.3	1.9	2.3	2.4	
<b>Industry</b>														
<b>Private wage and salary workers<sup>4</sup></b> . . . . .	5.7	5.1	4.2	3.7	3.7	3.5	3.4	3.4	3.6	3.6	3.7	4.0	4.0	
Construction . . . . .	12.3	10.3	7.7	6.2	6.8	5.6	5.7	6.0	6.4	6.8	7.8	6.9	6.6	
Manufacturing . . . . .	5.9	5.1	4.4	3.7	3.3	3.2	3.1	3.1	3.3	3.2	3.4	3.7	3.9	
Durable goods . . . . .	5.9	5.0	4.4	3.5	2.9	3.0	2.7	2.9	3.0	2.8	3.1	3.4	3.6	
Nondurable goods . . . . .	6.0	5.3	4.3	4.0	3.8	3.4	3.6	3.4	3.7	3.8	3.9	4.2	4.2	
Transportation and public utilities . . . . .	3.1	3.5	2.8	2.5	2.0	2.2	2.0	2.0	2.3	1.6	2.0	2.4	2.3	
Wholesale and retail trade . . . . .	5.6	5.3	4.6	4.0	4.3	4.2	3.9	4.0	3.9	4.0	4.2	4.5	4.5	
Finance and service industries . . . . .	4.8	4.0	3.4	3.0	3.5	3.3	3.1	3.1	3.5	3.5	3.4	3.7	3.6	
<b>Government wage and salary workers</b> . . . . .	2.0	2.1	2.1	2.2	1.9	1.7	1.7	1.7	1.9	1.8	1.9	2.1	1.7	
<b>Agricultural wage and salary workers</b> . . . . .	9.0	6.9	6.2	6.0	7.3	5.6	5.4	5.4	7.5	6.7	5.6	6.8	7.5	

<sup>1</sup>Unemployment rate calculated as a percent of civilian labor force.

<sup>2</sup>Insured unemployment under State programs as a percent of average covered employment.

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

<sup>4</sup>Includes 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			
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>Total, 16 years and over</b> .....	5.2	4.8	4.1	3.6	3.6	3.5	3.4	3.4	3.6	3.6	3.7	3.9	3.9
16 to 19 years .....	15.6	14.9	13.7	12.2	12.5	12.3	12.2	12.4	12.5	12.8	12.6	13.7	13.1
16 and 17 years .....	17.5	16.8	16.4	14.8	15.5	14.1	13.8	14.3	14.2	14.7	15.1	15.4	14.8
18 and 19 years .....	14.2	13.6	11.9	10.0	10.3	11.0	11.1	10.8	11.3	11.4	11.0	12.2	11.8
20 to 24 years .....	8.9	7.8	6.7	6.0	5.9	5.5	5.4	5.8	5.8	5.8	6.0	5.9	6.0
25 years and over .....	3.5	3.2	2.7	2.3	2.3	2.2	2.1	2.1	2.3	2.3	2.4	2.6	2.6
25 to 54 years .....	3.6	3.3	2.7	2.3	2.4	2.3	2.2	2.2	2.3	2.3	2.4	2.7	2.6
55 years and over .....	2.9	3.0	2.3	2.1	2.1	1.9	1.9	2.1	2.1	2.2	2.3	2.5	2.3
<b>Males, 16 years and over</b> .....	4.7	4.3	3.5	2.9	2.9	2.7	2.7	2.7	2.8	2.9	3.0	3.1	3.0
16 to 19 years .....	15.5	15.0	12.7	11.5	11.7	11.2	11.4	11.3	11.1	11.6	12.0	13.1	12.2
16 and 17 years .....	17.4	16.8	15.0	13.7	14.9	13.3	13.1	13.7	13.2	14.3	13.9	15.4	14.5
18 and 19 years .....	14.1	13.9	10.9	9.3	9.0	9.4	10.0	9.4	9.4	9.2	10.3	11.1	10.2
20 to 24 years .....	9.5	7.6	6.5	5.7	5.4	4.8	4.8	4.9	5.1	5.2	5.2	5.1	4.9
25 years and over .....	3.0	2.8	2.2	1.8	1.8	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0
25 to 54 years .....	3.0	2.8	2.1	1.6	1.7	1.6	1.5	1.6	1.7	1.7	1.8	1.8	1.9
55 years and over .....	2.9	2.9	2.4	2.1	2.0	1.7	1.8	1.9	2.0	2.1	2.3	2.6	2.2
<b>Females, 16 years and over</b> .....	6.1	5.7	5.2	4.6	4.8	4.8	4.5	4.6	4.8	4.8	4.9	5.3	5.3
16 to 19 years .....	15.6	14.7	14.9	13.0	13.5	13.8	13.2	13.6	14.3	14.3	13.3	14.2	14.2
16 and 17 years .....	17.6	16.9	18.3	16.3	16.2	15.2	14.8	15.2	15.8	15.2	16.8	15.5	15.3
18 and 19 years .....	14.2	13.3	13.1	10.7	11.7	12.9	12.5	12.5	13.4	13.7	11.8	13.4	13.6
20 to 24 years .....	8.2	8.0	7.0	6.4	6.4	6.4	6.1	6.8	6.5	6.5	6.9	6.9	7.3
25 years and over .....	4.3	3.9	3.5	3.1	3.3	3.2	3.1	3.0	3.2	3.1	3.4	3.8	3.7
25 to 54 years .....	4.8	4.2	3.8	3.4	3.6	3.5	3.4	3.2	3.5	3.4	3.6	4.3	4.0
55 years and over .....	2.9	3.2	2.2	2.1	2.3	2.2	2.1	2.3	2.2	2.2	2.5	2.3	2.6

**7: Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reason for unemployment	1970			1969			1968			1967			
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>Number of unemployed</b>													
Lost last job .....	1,942	1,818	1,365	1,071	994	1,045	971	967	1,042	1,049	1,178	1,242	1,215
Left last job .....	575	564	466	431	456	432	421	407	431	437	453	467	441
Reentered labor force .....	1,317	1,137	1,140	998	1,029	919	933	888	920	924	880	912	893
Never worked before .....	502	494	488	393	444	408	410	402	402	412	407	418	424
<b>Percent distribution</b>													
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 .....	44.8	45.3	39.5	37.0	34.0	37.3	35.5	36.3	37.3	37.2	40.4	40.9	40.9
Left last job .....	13.3	14.1	13.5	14.9	15.6	15.4	15.4	15.3	15.4	15.5	15.5	15.4	14.8
Reentered labor force .....	30.4	28.3	33.0	34.5	35.2	32.8	34.1	33.3	32.9	32.7	30.2	30.0	30.0
Never worked before .....	11.6	12.3	14.1	13.6	15.2	14.6	15.0	15.1	14.4	14.6	13.9	13.8	14.3
<b>Unemployed as a percent of the civilian labor force</b>													
Lost last job .....	2.3	2.2	1.7	1.3	1.2	1.3	1.2	1.2	1.3	1.3	1.5	1.6	1.6
Left last job .....	.7	.7	.6	.5	.6	.5	.5	.5	.5	.6	.6	.6	.6
Reentered labor force .....	1.6	1.4	1.4	1.2	1.3	1.1	1.2	1.1	1.2	1.2	1.1	1.2	1.2
Never worked before .....	.6	.6	.6	.5	.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			
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>Total</b>													
16 years and over .....	78,502	78,533	78,992	78,570	78,090	77,550	77,418	76,409	76,017	75,898	75,392	75,121	74,630
16 to 19 years .....	6,041	6,182	6,352	6,284	6,101	6,086	6,002	5,762	5,790	5,832	5,736	5,538	5,644
16 and 17 years .....	2,547	2,609	2,749	2,666	2,538	2,565	2,545	2,390	2,399	2,432	2,383	2,333	2,322
18 and 19 years .....	3,468	3,567	3,645	3,638	3,537	3,513	3,489	3,391	3,368	3,391	3,361	3,212	3,310
20 to 24 years .....	9,808	9,588	9,592	9,468	9,425	9,252	9,133	8,910	8,819	8,662	8,660	8,686	8,573
25 years and over .....	62,631	62,754	63,081	62,826	62,550	62,204	62,312	61,748	61,402	61,391	60,999	60,921	60,408
25 to 54 years .....	48,562	48,692	48,904	48,722	48,411	48,153	48,270	47,807	47,541	47,560	47,367	47,148	46,758
55 years and over .....	14,012	14,045	14,250	14,096	14,094	14,039	14,077	13,924	13,831	13,807	13,677	13,730	13,624
<b>Male</b>													
16 years and over .....	48,805	48,986	49,192	49,024	48,826	48,699	48,729	48,312	48,173	48,098	47,855	47,705	47,607
16 to 19 years .....	3,315	3,392	3,553	3,491	3,398	3,420	3,432	3,306	3,273	3,267	3,153	3,102	3,185
16 and 17 years .....	1,476	1,498	1,580	1,562	1,512	1,516	1,537	1,453	1,448	1,461	1,446	1,432	1,419
18 and 19 years .....	1,825	1,886	1,995	1,949	1,871	1,894	1,918	1,867	1,815	1,797	1,722	1,678	1,759
20 to 24 years .....	5,267	5,185	5,122	5,083	5,069	5,005	4,884	4,858	4,806	4,764	4,821	4,843	4,855
25 years and over .....	40,216	40,395	40,535	40,447	40,361	40,260	40,425	40,151	40,102	40,052	39,890	39,776	39,574
25 to 54 years .....	31,255	31,326	31,388	31,383	31,303	31,240	31,353	31,145	31,064	31,048	30,992	30,846	30,688
55 years and over .....	8,942	9,059	9,179	9,073	9,042	9,012	9,091	9,009	9,023	8,992	8,916	8,916	8,873
<b>Female</b>													
16 years and over .....	29,698	29,547	29,800	29,546	29,264	28,851	28,689	28,097	27,844	27,800	27,537	27,416	27,023
16 to 19 years .....	2,726	2,790	2,800	2,793	2,703	2,666	2,570	2,456	2,517	2,565	2,583	2,436	2,459
16 and 17 years .....	1,071	1,111	1,169	1,104	1,026	1,049	1,008	937	951	971	937	901	903
18 and 19 years .....	1,643	1,681	1,650	1,689	1,666	1,619	1,571	1,524	1,553	1,594	1,639	1,534	1,551
20 to 24 years .....	4,541	4,403	4,470	4,385	4,356	4,247	4,249	4,052	4,013	3,898	3,839	3,843	3,718
25 years and over .....	22,415	22,359	22,546	22,379	22,189	21,944	21,887	21,597	21,300	21,339	21,109	21,145	20,834
25 to 54 years .....	17,307	17,366	17,516	17,339	17,108	16,913	16,917	16,662	16,477	16,512	16,375	16,302	16,070
55 years and over .....	5,070	4,986	5,071	5,023	5,052	5,027	4,986	4,915	4,808	4,815	4,761	4,814	4,751

### 9: Employed persons by major occupation group, seasonally adjusted

(In thousands)

Occupation group	1970			1969			1968			1967			
	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd	2nd	1st	4th	3rd
<b>White-collar workers</b> .....	37,939	37,981	37,938	37,509	36,923	36,677	36,264	35,906	35,732	35,419	35,140	34,888	34,456
Professional and technical .....	11,257	11,129	11,026	10,936	10,764	10,740	10,638	10,473	10,392	10,295	10,142	10,067	9,952
Managers, officials, and proprietors .....	8,248	8,290	8,215	8,141	7,970	7,993	7,841	7,897	7,827	7,661	7,716	7,633	7,630
Clerical workers .....	13,560	13,748	13,906	13,655	13,478	13,281	13,171	12,876	12,823	12,816	12,694	12,624	12,343
Sales workers .....	4,873	4,815	4,791	4,777	4,711	4,663	4,614	4,660	4,690	4,647	4,588	4,564	4,531
<b>Blue-collar workers</b> .....	27,640	27,663	28,236	28,389	28,425	27,931	28,202	27,774	27,491	27,513	27,297	27,279	27,343
Craftsmen and foremen .....	10,078	10,109	10,264	10,265	10,174	10,044	10,298	10,147	9,972	10,003	9,936	9,827	9,790
Operatives .....	13,824	13,891	14,168	14,412	14,589	14,208	14,264	14,051	13,911	13,956	13,896	13,918	13,999
Nonfarm laborers .....	3,738	3,663	3,804	3,712	3,662	3,679	3,640	3,576	3,608	3,554	3,465	3,534	3,554
<b>Service workers</b> .....	9,795	9,589	9,673	9,589	9,493	9,467	9,558	9,411	9,385	9,395	9,337	9,330	9,277
Farmers and farm laborers .....	3,108	3,234	3,153	3,089	3,231	3,417	3,438	3,346	3,400	3,507	3,649	3,654	3,556

**HOUSEHOLD DATA**  
**QUARTERLY AVERAGES**

**Table 1. Labor force status of civilian noninstitutional population by age, sex, and reasons for nonparticipation**  
3rd 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
<b>Total</b>									
Civilian noninstitutional population (in thousands) . . . . .	137,335	14,582	15,408	24,496	22,454	23,088	9,932	8,338	19,038
Percent distribution . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force . . . . .	61.0	57.3	71.5	69.1	72.3	73.2	67.9	53.6	16.7
Not in labor force . . . . .	39.0	42.7	28.5	30.9	27.7	26.8	32.1	46.4	83.3
In school . . . . .	2.5	16.6	4.5	.8	.2	.1	(1)	.1	(1)
Ill health, disability . . . . .	3.3	.8	1.1	1.2	2.3	3.6	5.2	7.2	8.2
Home responsibilities . . . . .	24.6	6.5	18.1	26.8	23.2	20.7	22.9	30.2	45.4
Retirement, old age . . . . .	4.3	--	--	--	(1)	.1	.6	6.6	27.9
Think cannot get job . . . . .	.5	1.8	.5	.3	.3	.4	.5	.4	.4
All other reasons . . . . .	3.7	17.0	4.3	1.7	1.8	2.0	2.8	1.9	1.3
<b>Male</b>									
Civilian noninstitutional population (in thousands) . . . . .	64,444	7,183	6,916	11,786	10,793	11,066	4,721	3,878	8,101
Percent distribution . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force . . . . .	81.0	64.8	87.7	96.6	96.6	94.1	89.3	74.6	26.6
Not in labor force . . . . .	19.0	35.2	12.3	3.4	3.4	5.9	10.7	25.4	73.4
In school . . . . .	2.6	16.0	5.8	1.0	.1	.1	(1)	.1	--
Ill health, disability . . . . .	3.7	.8	1.1	1.1	2.2	3.7	6.0	9.9	10.3
Home responsibilities . . . . .	.4	.2	(1)	.1	.1	.2	.3	.5	1.9
Retirement, old age . . . . .	8.1	--	--	--	(1)	.1	1.2	12.3	58.0
Think cannot get job . . . . .	.5	2.2	.4	.2	.1	.1	.3	.4	.6
All other reasons . . . . .	3.6	16.1	5.0	1.1	.8	1.6	2.8	2.3	2.6
<b>Female</b>									
Civilian noninstitutional population (in thousands) . . . . .	72,891	7,398	8,492	12,710	11,661	12,022	5,212	4,460	10,937
Percent distribution . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In civilian labor force . . . . .	43.4	50.0	58.3	43.7	49.8	53.8	48.5	35.4	9.4
Not in labor force . . . . .	56.6	50.0	41.7	56.3	50.2	46.2	51.5	64.6	90.6
In school . . . . .	2.3	17.2	3.5	.6	.3	.1	(1)	.1	(1)
Ill health, disability . . . . .	3.0	.7	1.1	1.3	2.4	3.5	4.5	5.0	6.6
Home responsibilities . . . . .	45.9	12.7	32.9	51.7	44.5	39.5	43.3	56.1	77.5
Retirement, old age . . . . .	1.0	--	--	--	--	--	(1)	1.6	5.7
Think cannot get job . . . . .	.6	1.5	.6	.5	.4	.6	.7	.4	.3
All other reasons . . . . .	3.8	17.9	3.7	2.3	2.6	2.4	2.9	1.5	.4

Less than 0.05 percent.

## HOUSEHOLD DATA QUARTERLY AVERAGES

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

Nonparticipants by reason for status	Total <sup>1</sup>		Age in years							
			16-19		20-24		25-59		60 and over	
	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969
<b>Thousands of persons</b>										
Total . . . . .	53,511	52,496	6,230	5,929	4,394	4,301	23,168	23,004	19,720	19,262
In school . . . . .	3,407	3,602	2,423	2,555	697	795	277	244	10	9
Ill health, disability . . . . .	4,596	4,620	110	113	169	162	2,158	2,186	2,158	2,159
Home responsibilities . . . . .	33,720	33,065	950	901	2,794	2,691	18,824	18,706	11,153	10,766
Retirement, old age . . . . .	5,946	5,808	--	--	--	--	77	60	5,869	5,748
Think cannot get job . . . . .	727	597	269	165	75	54	269	235	114	143
All other reasons . . . . .	5,114	4,804	2,476	2,190	660	600	1,563	1,573	416	437
Male . . . . .	12,230	11,614	2,531	2,334	853	799	1,919	1,753	6,927	6,729
In school . . . . .	1,700	1,742	1,151	1,189	400	442	147	109	2	4
Ill health, disability . . . . .	2,413	2,257	56	59	76	60	1,064	956	1,216	1,184
Home responsibilities . . . . .	246	196	11	31	3	4	57	41	175	121
Retirement, old age . . . . .	5,246	5,113	--	--	--	--	75	56	5,172	5,057
Think cannot get job . . . . .	292	204	157	74	25	16	51	41	59	73
All other reasons . . . . .	2,333	2,102	1,156	983	349	278	527	551	303	290
Female . . . . .	41,281	40,882	3,699	3,594	3,541	3,502	21,247	21,251	12,793	12,534
In school . . . . .	1,708	1,860	1,272	1,366	297	353	130	135	8	6
Ill health, disability . . . . .	2,183	2,362	54	54	93	102	1,093	1,230	942	975
Home responsibilities . . . . .	33,474	32,868	940	870	2,790	2,687	18,768	18,667	10,977	10,646
Retirement, old age . . . . .	699	695	--	--	--	--	2	4	698	692
Think cannot get job . . . . .	434	393	113	91	49	38	218	195	54	70
All other reasons . . . . .	2,783	2,703	1,321	1,213	311	321	1,037	1,020	113	147
<b>Percent distribution</b>										
Total . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school . . . . .	6.4	6.9	38.9	43.1	15.9	18.5	1.2	1.1	.1	(1)
Ill health, disability . . . . .	8.6	8.8	1.8	1.9	3.8	3.8	9.3	9.5	10.9	11.2
Home responsibilities . . . . .	63.0	63.0	15.3	15.2	63.6	62.6	81.2	81.3	56.6	55.9
Retirement, old age . . . . .	11.1	11.1	--	--	--	--	.3	.3	29.8	29.8
Think cannot get job . . . . .	1.4	1.1	4.3	2.8	1.7	1.3	1.2	1.0	.6	.7
All other reasons . . . . .	9.6	9.2	39.8	36.9	15.0	13.9	6.7	6.8	2.1	2.3
Male . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school . . . . .	13.9	15.0	45.5	50.9	46.9	55.3	7.7	6.2	.1	.1
Ill health, disability . . . . .	19.7	19.4	2.2	2.5	8.9	7.5	55.4	54.5	17.6	17.6
Home responsibilities . . . . .	2.0	1.7	.4	1.3	.4	.5	3.0	2.3	2.5	1.8
Retirement, old age . . . . .	42.9	44.0	--	--	--	--	3.9	3.2	74.7	75.2
Think cannot get job . . . . .	2.4	1.8	6.2	3.2	2.9	2.0	2.7	2.3	.9	1.1
All other reasons . . . . .	19.1	18.1	45.7	42.1	40.9	34.8	27.4	31.4	4.4	4.3
Female . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school . . . . .	4.1	4.5	34.4	38.0	8.4	10.1	.6	.6	.1	(1)
Ill health, disability . . . . .	5.3	5.8	1.5	1.5	2.6	2.9	5.1	5.8	7.4	7.8
Home responsibilities . . . . .	81.1	80.4	25.4	24.2	78.8	76.7	88.3	87.8	85.8	84.9
Retirement, old age . . . . .	1.7	1.7	--	--	--	--	--	--	5.5	5.5
Think cannot get job . . . . .	1.1	1.0	3.1	2.5	1.4	1.1	1.0	.9	.4	.6
All other reasons . . . . .	6.7	6.6	35.7	33.8	8.8	9.2	4.9	4.8	.9	1.2

<sup>1</sup>Percent less than 0.05.

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**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	
	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969
<b>White</b>								
Male (in thousands)	10,764	10,226	2,836	2,682	1,575	1,401	6,353	6,144
In school	1,439	1,495	1,312	1,398	124	94	2	4
Ill health, disability	1,994	1,816	97	102	869	729	1,028	986
Home responsibilities	210	181	8	35	45	36	158	111
Retirement, old age	4,912	4,780	--	--	67	54	4,846	4,726
Think cannot get job	221	160	132	63	40	33	48	65
All other reasons	1,987	1,795	1,284	1,087	431	454	272	254
Female (in thousands)	37,220	36,991	6,168	6,083	19,254	19,341	11,797	11,567
In school	1,417	1,536	1,298	1,411	110	120	8	6
Ill health, disability	1,739	1,844	111	128	837	924	789	791
Home responsibilities	30,646	30,336	3,211	3,141	17,213	17,259	10,222	9,935
Retirement, old age	623	638	--	--	2	2	621	636
Think cannot get job	329	295	124	92	161	140	42	63
All other reasons	2,466	2,343	1,422	1,311	931	893	113	136
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	13.4	14.6	46.3	52.1	7.9	6.7	--	.1
Ill health, disability	18.5	17.8	3.4	3.8	55.1	52.1	16.2	16.0
Home responsibilities	2.0	1.8	.3	1.3	2.9	2.6	2.5	1.8
Retirement, old age	45.6	46.7	--	--	4.3	3.9	76.3	76.9
Think cannot get job	2.1	1.6	4.7	2.3	2.5	2.4	.8	1.1
All other reasons	18.5	17.6	45.3	40.5	27.3	32.4	4.3	4.1
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	3.8	4.2	21.1	23.2	.6	.6	.1	.1
Ill health, disability	4.7	5.0	1.8	2.1	4.3	4.8	6.7	6.8
Home responsibilities	82.3	82.0	52.1	51.6	89.4	89.2	86.7	85.9
Retirement, old age	1.7	1.7	--	--	--	--	5.3	5.5
Think cannot get job	.9	.8	2.0	1.5	.8	.7	.4	.5
All other reasons	6.6	6.3	23.1	21.6	4.8	4.6	1.0	1.2
<b>Negro and other races</b>								
Male (in thousands)	1,466	1,387	548	452	344	352	573	584
In school	260	247	237	232	23	15	--	--
Ill health, disability	419	442	36	17	195	226	188	197
Home responsibilities	36	15	6	--	12	5	19	11
Retirement, old age	334	334	--	--	8	2	327	331
Think cannot get job	71	44	49	28	10	8	11	9
All other reasons	345	307	221	175	95	96	30	36
Female (in thousands)	4,061	3,890	1,072	1,014	1,993	1,911	996	967
In school	291	324	273	308	19	16	--	--
Ill health, disability	444	519	36	27	255	307	153	183
Home responsibilities	2,828	2,532	518	416	1,555	1,407	755	710
Retirement, old age	76	57	--	--	--	2	76	55
Think cannot get job	106	98	36	36	57	55	12	7
All other reasons	317	360	212	223	106	124	--	11
Male (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	17.7	17.8	43.2	51.3	6.7	4.3	--	--
Ill health, disability	28.6	31.8	6.6	3.8	56.9	64.2	32.7	33.7
Home responsibilities	2.5	1.1	1.1	--	3.5	1.4	3.3	1.9
Retirement, old age	22.8	24.0	--	--	2.3	.6	56.9	56.7
Think cannot get job	4.8	3.2	8.9	6.2	2.9	2.3	1.9	1.5
All other reasons	23.5	22.1	40.3	38.7	27.7	27.3	5.2	6.2
Female (percent distribution)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school	7.2	8.3	25.4	30.5	1.0	.8	--	--
Ill health, disability	10.9	13.3	3.3	2.7	12.8	16.1	15.4	18.9
Home responsibilities	69.6	65.1	48.2	41.2	78.1	73.6	75.8	73.5
Retirement, old age	1.9	1.5	--	--	--	.1	7.6	5.7
Think cannot get job	2.6	2.5	3.3	3.6	2.9	2.9	1.2	.7
All other reasons	7.8	9.3	19.7	22.1	5.3	6.5	--	1.1

## 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	
	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969
<b>Thousands of persons</b>										
Total not in labor force . . . . .	53,511	52,496	6,230	5,929	4,394	4,301	23,168	23,004	19,720	19,262
Do not want job now . . . . .	49,618	48,153	5,303	4,951	3,807	3,696	21,164	20,740	19,347	18,763
Want job now — total . . . . .	3,893	4,343	927	978	587	605	2,004	2,264	373	499
In school . . . . .	592	575	373	421	143	111	72	42	3	2
Ill health, disability . . . . .	560	678	14	37	52	29	358	430	136	183
Home responsibilities . . . . .	1,080	1,426	63	98	168	236	826	1,051	22	42
Think cannot get job . . . . .	727	597	269	165	75	54	269	235	114	143
All other reasons . . . . .	934	1,067	208	257	149	175	479	506	98	129
Male . . . . .	1,079	1,070	453	400	160	153	289	284	178	235
In school . . . . .	291	272	194	201	59	62	38	10	--	--
Ill health, disability . . . . .	232	301	3	21	18	13	136	163	74	104
Think cannot get job . . . . .	292	204	157	74	25	16	51	41	59	73
All other reasons <sup>1</sup> . . . . .	264	293	99	104	58	62	64	70	45	58
Female . . . . .	2,814	3,271	477	579	425	453	1,716	1,979	195	264
In school . . . . .	301	302	179	220	84	50	35	32	3	2
Ill health, disability . . . . .	328	376	11	17	33	15	222	266	62	79
Home responsibilities . . . . .	1,059	1,399	58	88	166	233	819	1,045	16	34
Think cannot get job . . . . .	434	393	113	91	49	38	218	195	54	70
All other reasons . . . . .	692	801	116	163	93	117	422	441	60	79
<b>Percent distribution</b>										
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 . . . . .	15.2	13.2	40.2	43.0	24.4	18.3	3.6	1.9	.8	.4
Ill health, disability . . . . .	14.4	15.6	1.5	3.8	8.9	4.8	17.9	19.0	36.5	36.7
Home responsibilities . . . . .	27.7	32.8	6.8	10.0	28.6	39.0	41.2	46.4	5.9	8.4
Think cannot get job . . . . .	18.7	13.7	29.0	16.9	12.8	8.9	13.4	10.4	30.6	28.7
All other reasons . . . . .	24.0	24.6	22.4	26.3	25.4	28.9	23.9	22.3	26.3	25.9
Male . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school . . . . .	27.0	25.4	42.8	50.3	36.9	40.5	13.1	3.5	--	--
Ill health, disability . . . . .	21.5	28.1	.7	5.3	11.3	8.5	47.1	57.4	41.6	44.3
Think cannot get job . . . . .	27.1	19.1	34.7	18.5	15.6	10.5	17.6	14.4	33.1	31.1
All other reasons <sup>1</sup> . . . . .	24.5	27.4	21.9	26.0	36.3	40.5	22.1	24.6	25.3	24.7
Female . . . . .	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school . . . . .	10.7	9.2	37.5	38.0	19.8	11.0	2.0	1.6	1.5	.8
Ill health, disability . . . . .	11.7	11.5	2.3	2.9	7.8	3.3	12.9	13.4	31.8	29.9
Home responsibilities . . . . .	37.6	42.8	12.2	15.2	39.1	51.4	47.7	52.8	8.2	12.9
Think cannot get job . . . . .	15.4	12.0	23.7	15.7	11.5	8.4	12.7	9.9	27.7	26.5
All other reasons . . . . .	24.6	24.5	24.3	28.2	21.9	25.8	24.6	22.3	30.8	29.9

<sup>1</sup>Includes small number of men not seeking work because of home responsibilities.

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**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	
	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969
<b>Thousands of persons</b>								
Total not in labor force .....	10,764	10,226	37,220	36,991	1,466	1,387	4,061	3,890
Do not want job now .....	9,900	9,350	34,923	34,359	1,251	1,192	3,542	3,250
Want job now .....	864	876	2,297	2,632	215	195	519	640
In school .....	248	224	227	227	43	49	74	75
Ill health, disability .....	182	237	246	272	50	64	82	105
Home responsibilities <sup>1</sup> .....	--	--	879	1,160	--	--	181	239
Think cannot get job .....	221	160	329	295	71	44	106	98
All other reasons .....	213	255	616	678	51	38	76	123
<b>Percent distribution</b>								
Want job now .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
In school .....	28.7	25.6	9.9	8.6	20.0	25.1	14.3	11.7
Ill health, disability .....	21.1	27.1	10.7	10.3	23.3	32.8	15.8	16.4
Home responsibilities <sup>1</sup> .....	--	--	38.3	44.1	--	--	34.9	37.3
Think cannot get job .....	25.6	18.3	14.3	11.2	33.0	22.6	20.4	15.3
All other reasons .....	24.7	29.1	26.8	25.8	23.7	19.5	14.6	19.2

<sup>1</sup>Small 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**

3rd 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
<b>Total</b> .....	727	269	75	269	114	549	177
Employers think too young or old .....	123	68	--	7	48	103	20
Lacks education or training .....	57	19	14	24	--	38	20
Other personal handicap .....	40	3	3	25	9	36	3
Could not find job .....	319	132	42	118	27	228	90
Thinks no job available .....	188	47	17	94	30	144	44
<b>Male</b> .....	292	157	25	51	59	221	71
Employers think too young or old .....	82	42	--	2	38	71	12
Lacks education or training .....	15	9	2	4	--	6	9
Other personal handicap .....	16	1	3	7	4	12	3
Could not find job .....	133	80	15	27	11	99	34
Thinks no job available .....	46	23	5	11	7	33	13
<b>Female</b> .....	434	113	49	218	54	328	106
Employers think too young or old .....	41	25	--	5	10	32	8
Lacks education or training .....	42	10	12	22	--	32	11
Other personal handicap .....	24	2	--	17	6	24	--
Could not find job .....	185	52	26	91	16	129	56
Thinks no job available .....	142	24	12	83	23	111	31

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**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	
	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969
<b>Total</b>										
Not in labor force (in thousands) . . . . .	53,511	52,496	6,230	5,929	4,394	4,301	23,168	23,004	19,720	19,262
Never worked . . . . .	9,553	9,147	3,548	3,150	852	742	2,403	2,486	2,751	2,768
Last worked over 5 years ago . . . . .	25,464	24,689	11	40	274	335	12,146	11,884	13,032	12,430
Last worked 1 to 5 years ago . . . . .	8,980	9,280	402	391	1,432	1,383	4,609	4,771	2,538	2,736
Left job previous 12 months . . . . .	9,514	9,379	2,269	2,348	1,837	1,840	4,009	3,863	1,399	1,328
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 . . . . .	46.7	49.2	61.7	63.5	69.2	71.1	41.4	44.4	7.9	8.0
Ill health, disability . . . . .	10.9	10.7	3.1	2.0	3.4	3.4	15.2	15.0	20.9	23.5
Retirement, old age . . . . .	7.4	6.1	--	--	--	--	1.8	.9	45.3	40.4
Economic reasons . . . . .	19.1	17.5	19.6	16.1	13.7	10.6	22.6	21.2	15.7	18.5
End of seasonal job . . . . .	8.6	8.0	9.9	8.2	5.0	5.3	10.1	9.4	6.6	7.1
Slack work . . . . .	4.1	3.4	3.7	3.4	3.8	1.6	4.8	4.3	3.1	3.0
End of temporary job . . . . .	6.4	6.1	5.9	4.5	4.9	3.6	7.6	7.4	6.0	8.3
All other reasons . . . . .	15.9	16.6	15.7	18.3	13.7	14.9	19.0	18.6	10.3	9.6
<b>Male</b>										
Not in labor force (in thousands) . . . . .	12,230	11,614	2,531	2,334	853	799	1,919	1,753	6,927	6,729
Never worked . . . . .	1,596	1,314	1,260	1,034	181	126	136	125	19	29
Last worked over 5 years ago . . . . .	5,337	5,015	4	20	21	10	618	596	4,692	4,390
Last worked 1 to 5 years ago . . . . .	2,322	2,390	150	107	138	150	590	535	1,444	1,600
Left job previous 12 months . . . . .	2,975	2,894	1,118	1,174	512	512	575	499	771	709
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 . . . . .	37.5	41.3	62.9	63.6	55.9	65.7	18.2	18.2	2.6	3.0
Ill health, disability . . . . .	16.6	14.2	3.3	2.0	5.9	4.3	42.9	39.4	23.5	23.7
Retirement, old age . . . . .	15.1	14.0	--	--	--	--	6.3	4.8	53.6	53.7
Economic reasons . . . . .	14.6	14.2	18.2	15.7	14.6	10.9	9.9	14.6	13.1	13.9
End of seasonal job . . . . .	6.4	6.5	9.7	8.0	4.5	6.6	3.3	6.4	5.3	4.1
Slack work . . . . .	3.9	3.4	3.6	4.3	5.1	1.6	4.5	4.4	3.1	2.8
End of temporary job . . . . .	4.3	4.3	4.9	3.5	5.1	2.7	2.1	4.0	4.7	7.0
All other reasons . . . . .	16.2	16.3	15.6	18.6	23.6	19.1	22.7	22.8	7.3	5.8
<b>Female</b>										
Not in labor force (in thousands) . . . . .	41,281	40,882	3,699	3,594	3,541	3,502	21,247	21,251	12,793	12,534
Never worked . . . . .	7,956	7,833	2,287	2,116	670	616	2,267	2,363	2,731	2,739
Last worked over 5 years ago . . . . .	20,127	19,674	8	21	253	325	11,528	11,289	8,339	8,039
Last worked 1 to 5 years ago . . . . .	6,658	6,890	251	284	1,293	1,233	4,019	4,235	1,095	1,136
Left job previous 12 months . . . . .	6,539	6,484	1,152	1,174	1,325	1,328	3,435	3,364	628	619
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 . . . . .	50.9	52.8	60.5	63.3	74.4	73.3	45.3	48.2	14.5	13.7
Ill health, disability . . . . .	8.2	9.1	2.8	1.9	2.4	3.0	10.5	11.3	17.4	23.4
Retirement, old age . . . . .	3.9	2.6	--	--	--	--	1.1	.3	35.2	25.2
Economic reasons . . . . .	21.2	18.9	20.9	16.6	13.3	10.5	24.7	22.2	19.1	23.7
End of seasonal job . . . . .	9.5	8.7	10.1	8.4	5.2	4.8	11.3	9.9	8.3	10.6
Slack work . . . . .	4.2	3.4	3.8	2.6	3.2	1.7	4.9	4.3	3.2	3.2
End of temporary job . . . . .	7.4	6.9	7.0	5.5	4.8	4.0	8.5	7.9	7.6	9.8
All other reasons . . . . .	15.8	16.7	15.8	18.2	9.9	13.3	18.3	18.0	13.9	14.0

**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	
	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969
Total not in labor force (in thousands)	10,764	10,226	37,220	36,991	1,466	1,387	4,061	3,890
Never worked	1,286	1,081	7,136	7,021	310	233	820	811
Last worked over 5 years ago	4,794	4,482	18,424	18,139	542	533	1,703	1,536
Last worked 1 to 5 years ago	2,092	2,122	5,922	6,162	230	268	736	727
Left job previous 12 months	2,591	2,541	5,737	5,669	384	353	802	816
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	38.2	42.1	50.8	54.1	32.6	35.4	51.5	43.5
Ill health, disability	15.8	13.7	7.6	8.1	22.1	17.3	12.3	16.0
Retirement, old age	16.4	15.2	4.3	2.9	6.5	5.4	1.2	.7
Economic reasons	13.6	13.3	21.3	18.6	21.6	21.0	20.2	21.2
End of seasonal job	5.8	5.7	9.2	8.2	10.4	11.9	12.1	11.5
Slack work	3.7	3.5	4.3	3.3	5.2	3.1	3.4	4.0
End of temporary job	4.1	4.1	7.8	7.1	6.0	5.9	4.7	5.6
All other reasons	16.0	15.7	15.9	16.4	17.2	21.0	14.7	18.6

**Table 9. Industry and occupation of last job for persons not in labor force who worked during previous 12 months by reasons leaving job**  
3rd 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	9,514	100.0	46.7	10.9	7.4	19.1	15.9
<b>Industry</b>							
Agriculture <sup>1</sup>	604	100.0	22.6	9.6	2.8	29.5	35.5
Unpaid family workers	202	100.0	6.4	3.4	--	7.9	82.3
Wage and salary workers	341	100.0	33.7	7.3	.9	45.2	12.9
Nonagricultural industries	8,870	100.0	48.4	10.7	7.8	18.4	14.6
Self-employed workers	351	100.0	32.9	14.0	14.6	14.0	24.6
Unpaid family workers	165	100.0	13.9	2.4	3.6	3.6	76.4
Wage and salary workers	8,354	100.0	49.8	10.7	7.6	18.9	13.0
Private household workers	460	100.0	44.8	12.8	2.8	24.3	15.2
Government workers	1,486	100.0	41.6	4.7	12.2	30.4	11.0
All other <sup>2</sup>	6,409	100.0	52.0	12.0	6.9	15.9	13.2
Construction	320	100.0	41.6	20.9	8.4	17.8	11.3
Manufacturing	1,696	100.0	45.2	16.3	10.6	13.9	14.1
Transportation and public utilities	263	100.0	52.1	15.2	14.8	10.3	7.6
Trade	2,151	100.0	57.2	8.7	3.6	16.0	14.5
Finance and services	1,934	100.0	54.3	9.7	5.8	17.7	12.4
<b>Occupation</b>							
White-collar workers	4,341	100.0	51.2	6.0	8.0	20.3	14.5
Professional and technical	1,068	100.0	49.8	2.5	11.9	25.8	9.9
Managers, officials, and proprietors	299	100.0	26.2	18.5	28.9	10.1	16.4
Clerical and sales	2,975	100.0	54.2	6.1	4.5	19.3	15.9
Blue-collar workers	2,498	100.0	41.7	17.8	10.4	15.6	14.5
Craftsmen and foremen	434	100.0	23.4	25.5	24.4	11.7	14.9
Operatives	1,496	100.0	44.2	16.4	8.2	15.8	15.5
Nonfarm laborers	567	100.0	49.2	15.5	5.6	18.2	11.5
Service workers	2,099	100.0	50.3	11.7	4.1	18.3	15.5
Farm workers	536	100.0	20.9	9.9	3.2	30.1	35.9

<sup>1</sup>Includes small number of self-employed workers, not shown separately.

<sup>2</sup>Includes 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	
	3rd 1970	3rd 1969	3rd 1970	3rd 1969	3rd 1970	3rd 1969
<b>Total</b>						
Total not in labor force (in thousands) . . . . .	53,511	52,496	12,230	11,614	41,281	40,882
Do not intend to seek work . . . . .	46,227	45,104	9,941	9,470	36,286	35,634
Intend to seek work in next 12 months . . . . .	7,284	7,392	2,289	2,144	4,995	5,248
Never worked . . . . .	1,175	1,197	420	326	755	871
Last worked over 5 years ago . . . . .	916	997	101	105	815	891
Last worked 1 to 5 years ago . . . . .	1,472	1,420	335	334	1,137	1,086
Worked during previous 12 months . . . . .	3,722	3,778	1,433	1,378	2,288	2,401
Percent distribution by occupation . . . . .	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers . . . . .	41.2	39.8	20.5	24.0	54.4	49.0
Professional and technical . . . . .	11.2	9.8	6.4	7.2	14.4	11.3
Managerial . . . . .	1.9	2.8	2.9	4.5	1.2	1.8
Clerical and sales . . . . .	28.0	27.2	11.2	12.2	38.8	35.9
Blue-collar workers . . . . .	30.9	30.9	55.0	53.9	15.5	17.5
Craftsman and foremen . . . . .	5.1	4.4	11.5	10.9	.9	.5
Operatives . . . . .	16.7	18.2	21.2	21.2	13.9	16.4
Nonfarm laborers . . . . .	9.1	8.3	22.3	21.8	.6	.6
Service workers . . . . .	23.0	25.7	15.8	16.5	27.6	31.1
Farm workers . . . . .	5.0	3.6	8.7	5.6	2.5	2.5
<b>White</b>						
Total not in labor force (in thousands) . . . . .	47,984	47,217	10,764	10,226	37,220	36,991
Do not intend to seek work . . . . .	41,891	41,026	8,803	8,353	33,088	32,673
Intend to seek work in next 12 months . . . . .	6,093	6,191	1,961	1,873	4,132	4,318
Never worked . . . . .	929	980	336	282	593	698
Last worked over 5 years ago . . . . .	783	850	82	90	701	760
Last worked 1 to 5 years ago . . . . .	1,203	1,130	295	287	908	843
Worked during previous 12 months <sup>1</sup> . . . . .	3,178	3,231	1,248	1,214	1,930	2,017
<b>Negro and other races</b>						
Total not in labor force (in thousands) . . . . .	5,527	5,277	1,466	1,387	4,061	3,890
Do not intend to seek work . . . . .	4,336	4,076	1,138	1,116	3,198	2,960
Intend to seek work in next 12 months . . . . .	1,191	1,201	328	271	863	930
Never worked . . . . .	246	217	84	44	162	173
Last worked over 5 years ago . . . . .	132	147	19	16	113	131
Last worked 1 to 5 years ago . . . . .	269	290	40	47	229	243
Worked during previous 12 months <sup>1</sup> . . . . .	544	547	186	164	358	383

<sup>1</sup>Occupational data not available by color.

Advertisement on page 124 omitted.

# 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)
<b>BOTH SEXES</b>		
Labor force and total employment . . . . .	190	145
Agriculture . . . . .	120	100
Nonagricultural employment . . . . .	200	150
Unemployment . . . . .	75	80
<b>MALE</b>		
Labor force and total employment . . . . .	100	75
Agriculture . . . . .	95	80
Nonagricultural employment . . . . .	120	95
Unemployment . . . . .	60	60
<b>FEMALE</b>		
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 a 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, mechanics, 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 I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.



### Spendable Average Weekly Earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from 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.

### 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.

## Relationship to Employment Series

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

## ESTIMATING METHODS

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

### The "Link Relative" Technique

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

**Nonagricultural payroll employment estimates, by industry division, 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. The table that follows 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.

The table below 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

#### Approximate size and coverage of BLS employment and payrolls sample, March 1969 <sup>1</sup>

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) <sup>2</sup> . . . . .	3,300	2,737,000	100
State and local . . . . .	9,600	5,065,000	53

<sup>1</sup> 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.

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

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

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

<sup>1</sup> 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 the following table.

**Root-mean-square errors of differences between benchmarks and estimates**

Size of employment estimate	Root-mean-square error <sup>1</sup>
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

<sup>1</sup> 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. The table below presents root-mean-square errors of the amounts of revision 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 or 1 cent for hourly earnings.

**Errors of preliminary employment estimates**

Size of empl. 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 Nonag. empl.	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 the table below. A relative error is a 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.

**Relative errors of estimates of job vacancy data**

Industry	Relative error <sup>1</sup> (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

<sup>1</sup> 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 and earnings 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.

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)
<b>Monthly Data</b>		
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 firms 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.
<b>Annual Average Data</b>		
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.

# UNITED STATES DEPARTMENT OF LABOR

## Bureau of Labor Statistics

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#### *Employment and Labor Turnover Statistics Programs*

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IV	ALABAMA	- Department of Industrial Relations, Montgomery 36104
X	ALASKA	- Employment Security Division, Department of Labor, Juneau 99801
IX	ARIZONA	- Unemployment Compensation Division, Employment Security Commission, Phoenix 85005
VI	ARKANSAS	- Employment Security Division, Department of Labor, Little Rock 72203
IX	CALIFORNIA	- Division of Labor Statistics and Research, Department of Industrial Relations, Human Relations Agency, San Francisco 94101 (Employment).
VIII	COLORADO	- Department of Labor and Employment, Denver 80203
I	CONNECTICUT	- Employment Security Division, Connecticut Labor Department, Hartford 06115
III	DELAWARE	- Employment Security Commission, Wilmington 19899
III	DIST. OF COL.	- Manpower Training and Employment Services Administration for the District of Columbia, Washington 20212
IV	FLORIDA	- Department of Commerce, Tallahassee 32304
IV	GEORGIA	- Employment Security Agency, Department of Labor, Atlanta 30334
IX	HAWAII	- Department of Labor and Industrial Relations, Honolulu 96811
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V	ILLINOIS	- Division of Research and Statistics, Department of Labor, Chicago 60606
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VII	IOWA	- Employment Security Commission, Des Moines 50319
VII	KANSAS	- Employment Security Division, Department of Labor, Topeka 66603
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VII	NEBRASKA	- Division of Employment, Department of Labor, Lincoln 68509
IX	NEVADA	- Employment Security Department, Carson City 89701
I	NEW HAMPSHIRE	- Department of Employment Security, Concord 03301
II	NEW JERSEY	- Division of Planning and Research, Department of Labor and Industry, Trenton 08625
VI	NEW MEXICO	- Employment Security Commission, Albuquerque 87103
II	NEW YORK	- Research and Statistics Office, Division of Employment, N.Y. State Department of Labor, State Campus Building 12, Albany 12201
IV	NORTH CAROLINA	- Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover).
VIII	NORTH DAKOTA	- Employment Security Bureau, Bismarck 58501
V	OHIO	- Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St., Columbus 45216
VI	OKLAHOMA	- Employment Security Commission, Oklahoma City 73105
X	OREGON	- Division of Employment, Salem 97310
III	PENNSYLVANIA	- Bureau of Employment Security, Department of Labor and Industry, Harrisburg 17121
I	RHODE ISLAND	- Division of Statistics and Census, Department of Labor, Providence 02908 (Employment). Department of Employment Security, Providence 02903 (Turnover).
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