

EMPLOYMENT AND EARNINGS

VOL. 17 NO. 6 DECEMBER 1970



U. S. DEPARTMENT OF LABOR - Bureau of Labor Statistics

EMPLOYMENT AND EARNINGS

CURRENT STATISTICS ON

Labor Force
Employment
Unemployment
Hours
Earnings
Labor Turnover

In cooperation with the Bureau of Labor Statistics, the data in this publication are collected by the Bureau of the Census (Department of Commerce), Manpower Administration, State Employment Security Agencies, and State Departments of Labor. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Technical Note. The State agencies are listed on the inside back cover.

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OFFICE OF MANPOWER AND EMPLOYMENT STATISTICS

Harold Goldstein
Assistant Commissioner



EMPLOYMENT AND EARNINGS

VOL. 17 NO. 6 DECEMBER 1970

Joseph M. Finerty, Editor
John E. Bregger, Associate Editor

Editors' Note

Employment and Earnings, States and Areas, 1939-69, BLS Bulletin 1370-7 was released early this month by the Bureau of Labor Statistics. The latest bulletin contains detailed industry data on employment, hours, and earnings for all States, the District of Columbia, and 214 metropolitan areas. It may be purchased for \$4.50 per copy from any of the BLS regional offices listed on the inside back cover. Current State and area data, at broad industry levels, are published each month in *Employment and Earnings*. (See tables B-7 and C-16.)

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

Employment and Unemployment Developments, November 1970

Unemployment in the Nation rose in November, while employment edged down. The overall employment situation continued to reflect the impact of the automobile strike, which did not end until after the November survey period.

The total unemployment rate moved up from 5.6 to 5.8 percent in November, the highest level since May 1963. The November increase was largest among young women 16 to 24 years old, mostly those seeking full-time work. Jobless rates for adult men and teenagers were not significantly changed over the month.

Nonfarm payroll employment declined by 135,000 in November, after seasonal adjustment. The secondary effect of the automobile strike was a significant factor in this decline. Employment gains in services and State and local government were more than offset by losses in manufacturing and trade.

Unemployment

The number of unemployed persons totaled 4.6 million in November, up 350,000 from October. Unemployment normally rises at this time of year, but the increase this November was larger than usual. As a result, after seasonal adjustment, unemployment was up by 200,000 over the month, with the increase occurring largely among young women.

Since last November, unemployment has risen by 1.9 million—905,000 adult men, 565,000 adult women, and 430,000 teenagers. Most of the increase occurred among persons who had lost their last jobs. During this same period, the unemployment rate has risen from 3.5 to 5.8 percent.

Between October and November, the unemployment rate for adult women rose from 5.1 to 5.5 percent, after remaining unchanged in Octo-

ber. The increase primarily reflected rising joblessness among women 20 to 24 years old, many of whom were reentrants to the labor force. Their rate moved up sharply from 7.5 to 9.5 percent.

The unemployment rate for all adult men, at 4.2 percent in November, was little changed over the month. However, the rate for married men, at 3.2 percent, inched up in November, continuing the upward trend in evidence since last winter. The teenage rate (17.5 percent) was not significantly changed in November but has moved up sharply since July, after remaining at about the same level through the first half of the year.

The jobless rate for full-time workers rose to 5.5 percent in November, after holding steady in October at 5.0 percent. There was virtually no over-the-month change in the rate for part-time workers (8.1 percent).

White workers accounted for all of the November increase in joblessness. Their unemployment rate moved up from 5.2 to 5.5 percent, the highest since October 1961. The jobless rate for Negroes, at 8.8 percent, edged down from the October level of 9.3 percent. The Negro rate has shown little change since early summer, while the white rate has been rising. As a result, the ratio of Negro-to-white unemployment rates continued to be significantly below the 2 to 1 relationship that had prevailed for many years.

Among occupational groups, the jobless rate for white-collar workers continued to rise in November, from 3.2 to 3.5 percent. The increase was due primarily to higher unemployment among professional and technical and clerical workers. For clerical workers, the jobless rate was 5.2 percent, the highest since the monthly series began in 1958. By way of contrast, jobless rates for blue-collar workers (7.3 percent) and

for service workers (5.9 percent) have shown little change in the past few months.

Among the major industry divisions, the unemployment rate for workers who last worked in manufacturing climbed to 7.2 percent in November, following substantial jumps in both September and October. The increase occurred entirely in the durable goods industries, probably reflecting the secondary effects of the auto strike. The rate for workers in the finance and service industries also edged up over the month, contributing to the rise in unemployment among women. On the other hand, the jobless rate for workers in construction fell from 11.9 percent in October to 9.1 percent in November, its lowest point since April.

The number of persons unemployed 15 weeks and over totaled 870,000 (seasonally adjusted) in November, up 125,000 from October. The increase brought long-term joblessness to its highest point since early 1965. The average duration of unemployment moved up from 8.3 to 9.4 weeks.

The unemployment rate for workers covered by State unemployment insurance programs inched up from 4.4 to 4.5 percent in November, the fourth straight monthly rise. The November increase also reflected the impact of the automobile strike.

The number of persons who worked part time for economic reasons in nonagricultural industries but wanted full-time jobs fell by 100,000 (seasonally adjusted) in November to 2.3 million. The ratio of labor force time lost by persons working part time involuntarily as well as by the unemployed remained unchanged at 6.2 percent over the month. (Labor force time lost is a measure of man-hours lost to the economy through unemployment and involuntary part-time employment, taken as a percent of total man-hours offered by those in the labor force.)

Civilian labor force and total employment

The number of persons in the civilian labor force, at 83.3 million in November, was unchanged from October after allowance for normal seasonal patterns. Over the year, the labor force has risen by 1.9 million—885,000 adult men, 870,000 adult women, and 165,000

teenagers. A substantial part of the over-the-year increase for adult men reflects the entry into the civilian labor force of returning veterans.

The total number of persons employed in November, at 78.7 million, was down slightly more than seasonally, as the usual October-November pickup in nonagricultural employment failed to occur. On a seasonally adjusted basis, total employment has remained on a virtual plateau since July, after declining sharply in the spring. Over the year, employment has remained at about the same level, as a small advance in nonfarm employment was countered by a nearly equal decline in agricultural employment. (Total employment includes workers in agriculture, the self-employed, unpaid family workers, and private household workers as well as wage and salary workers on nonagricultural payrolls.)

Industry payroll employment

The number of workers on nonagricultural payrolls, which usually increases between October and November, moved down over the month to 70.6 million. After allowance for seasonal changes, payroll employment was down 135,000 in November, following a decline of 315,000 in October (as revised). A large part of the October and November declines was attributable to the effects of the strike in the automobile industry. (In this series on nonagricultural payroll employment, strikers are not on payrolls and are thus not counted as employed; in the figures on total employment from the household series, workers on strike are counted as employed—with a job but not at work.)

The largest over-the-month decline occurred in manufacturing, where employment fell by 135,000, seasonally adjusted. Nearly all of this drop was traceable to secondary effects of the auto strike.

The durable goods industries accounted for most of the manufacturing decline. As in October, the largest employment cutbacks took place in the five major metals and metal-using industries. Employment fell by about 25,000 each in machinery, transportation equipment, and electrical equipment, by 20,000 in fabricated

metals, and by 15,000 in primary metals. Non-durable goods employment was unchanged in November, as a gain in food processing counter-balanced declines in rubber and chemicals.

Employment in contract construction, at 3.3 million seasonally adjusted, was little changed from both October and September, after declining almost continuously throughout the year. Compared with November 1969, employment was down by 200,000, or 5.7 percent.

After 2 months of substantial gains, employment levelled off in the service-producing industries in November, as advances in State and local government, services, and finance, insurance, and real estate were offset by a sizable decline in trade. The job loss of 85,000 in trade was partially related to the automobile strike but also reflected a general weakness in retail sales. Employment edged down in transportation and public utilities, marking the fourth straight monthly decline in this industry.

Over the past year, employment gains in the service-producing sector have served to offset the declines in manufacturing and construction. However, employment in the service-producing sector declined slightly during the summer months and then began to rise again in September. Since then, the renewed job growth has amounted to 375,000, mostly because of gains in services and State and local government, industries that are typically less affected by slowdowns in general business activity. The other major growth industry in this sector—trade—has shown no employment gains during the year.

Hours of work

The workweek for all rank-and-file workers on private nonagricultural payrolls declined seasonally by 0.2 hour in November; after seasonal adjustment, the average workweek was

unchanged at 36.9 hours. In September, average weekly hours had dropped sharply, mostly due to the inclusion of the Labor Day holiday in the reference week. Hours have rebounded only partially from this artificially low level partly because of shorter work schedules resulting from the automobile strike.

In manufacturing, the average workweek edged up 0.1 hour to 39.5 hours, seasonally adjusted. This was 0.3 hour below August and a full hour lower than a year ago. The small increase in manufacturing was centered in the durable goods industries.

Factory overtime declined by 0.2 hour on a seasonally adjusted basis. At 2.5 hours, factory overtime fell to its lowest point since April 1963. The over-the-month drop in overtime was concentrated in the durable goods sector.

Earnings

Average hourly earnings of production and nonsupervisory workers on private payrolls remained unchanged in November at \$3.29. Compared with a year ago, average hourly earnings were up 16 cents, or 5.1 percent.

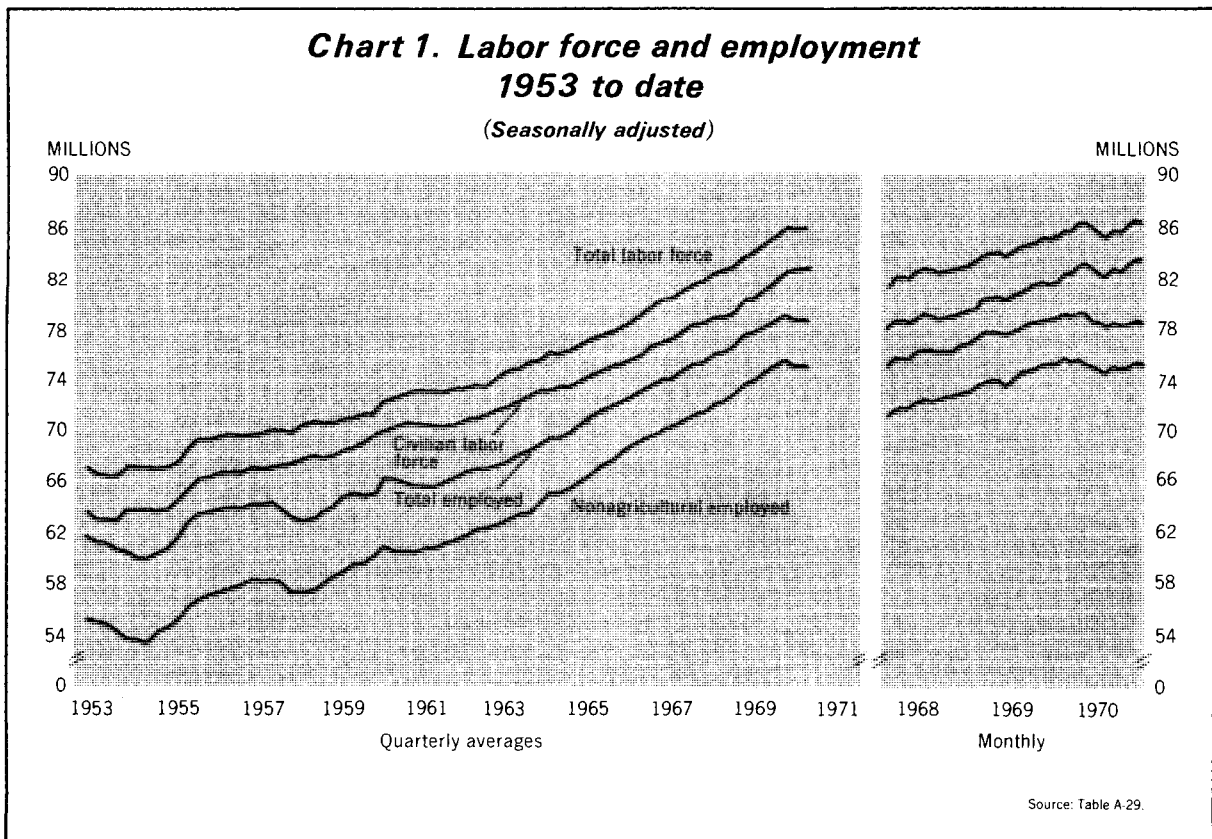
Average weekly earnings decreased by 66 cents over the month to \$121.07 as a result of the actual decline in the workweek. A large seasonal decline in contract construction combined with smaller drops in transportation and public utilities and mining more than offset pickups in manufacturing, services, and finance, insurance and real estate. Compared with November 1969, average weekly earnings were up by \$3.69, or 3.1 percent.

Over the year, ending in October 1970, average weekly earnings rose by 3.8 percent; after adjustment for consumer price changes, however, earnings were down by 2.0 percent.

CHARTS

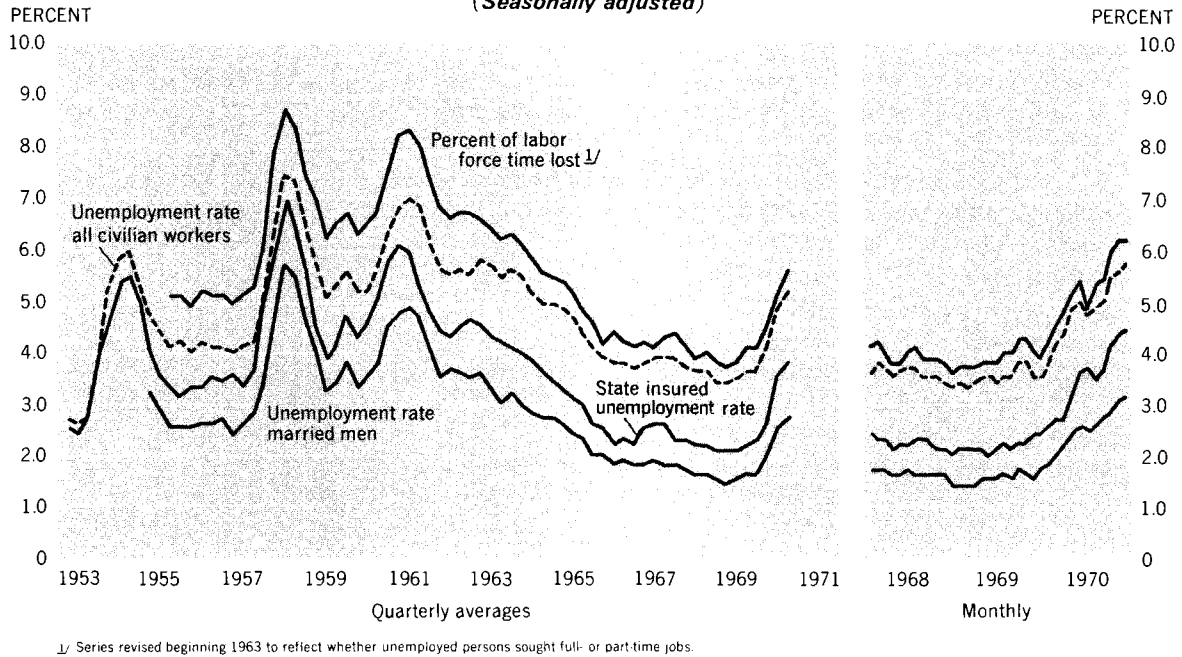
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**Chart 2. Major unemployment indicators
1953 to date**

(Seasonally adjusted)



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

(Seasonally adjusted)

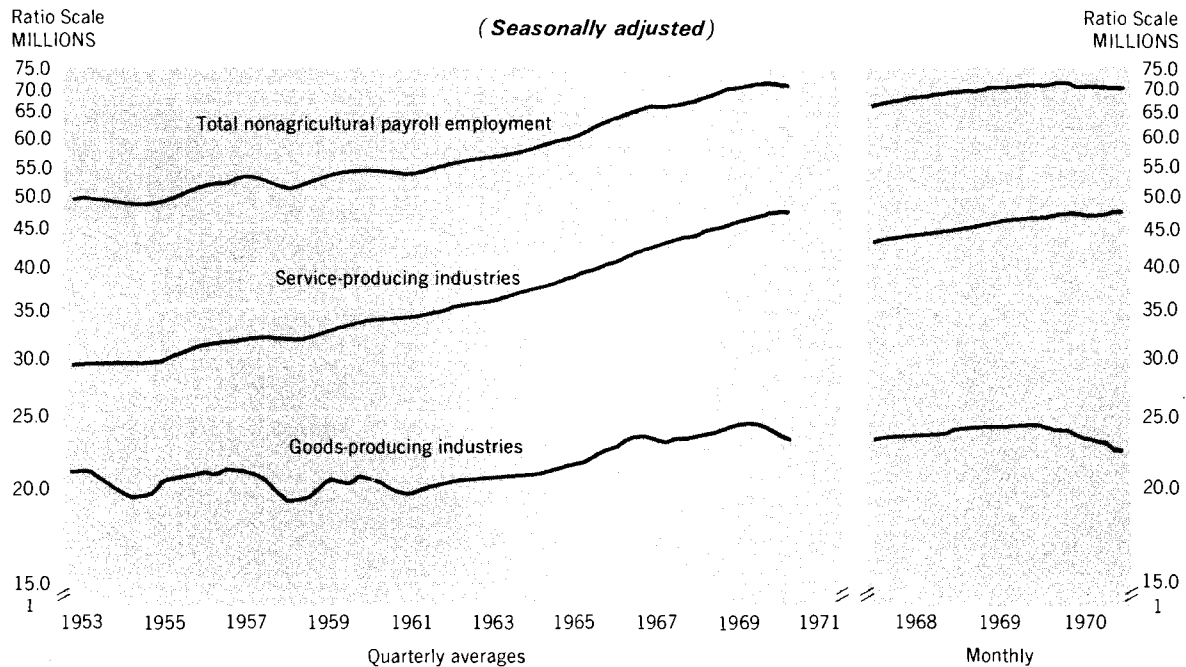
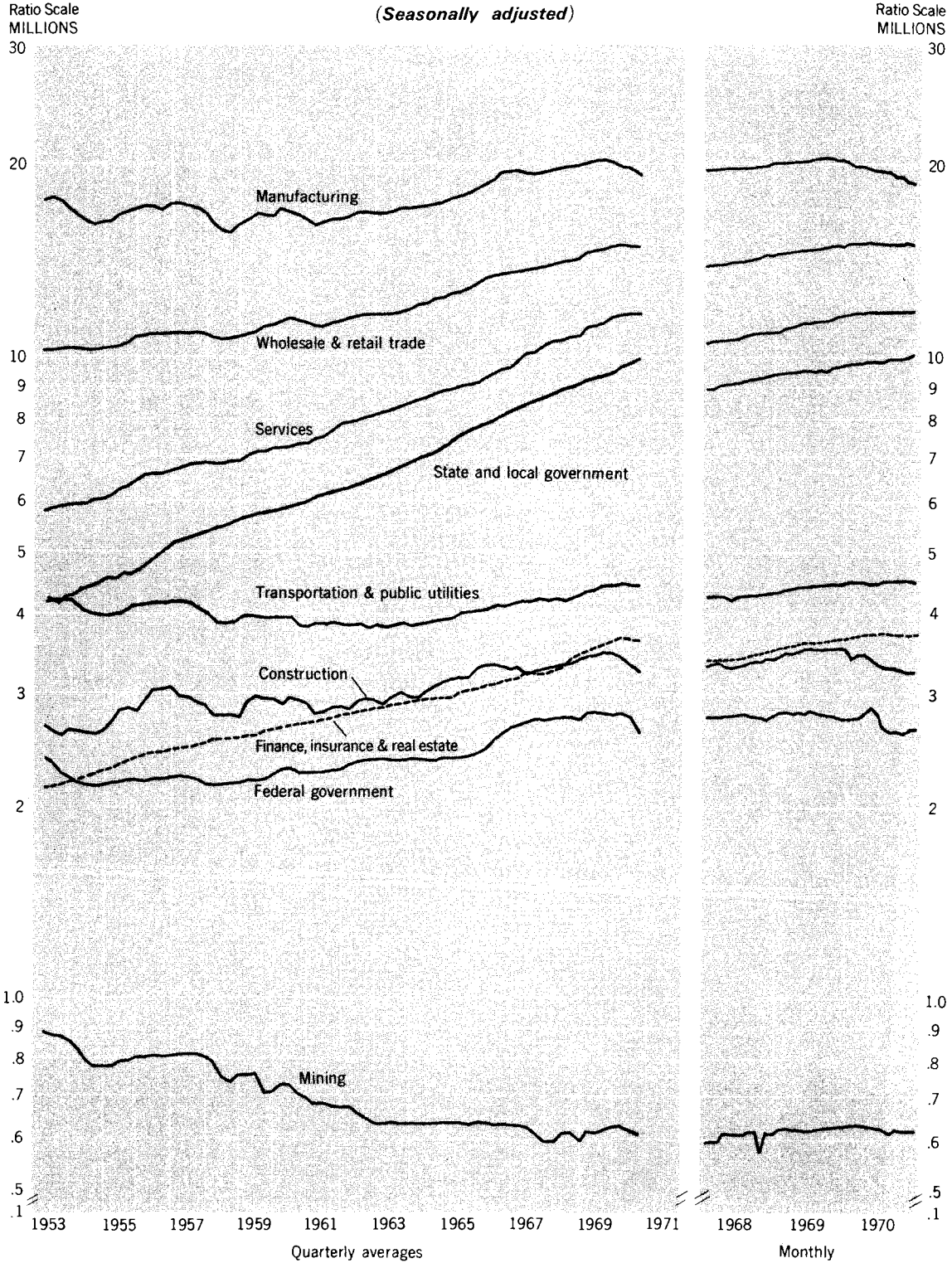


Chart 4. Nonagricultural payroll employment by industry 1953 to date

(Seasonally adjusted)

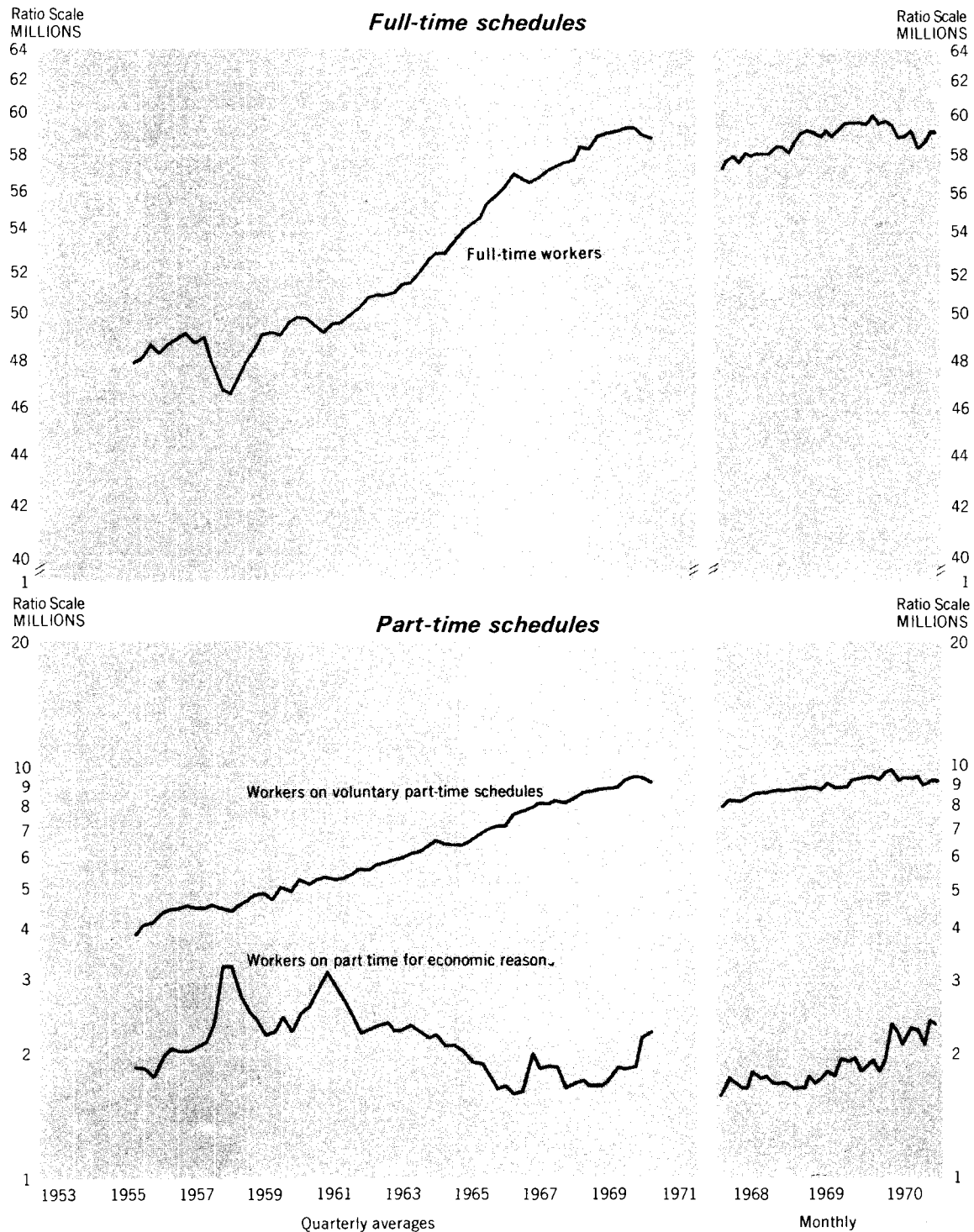


Note: Data for 2 most recent months are preliminary.

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

20

10

9

8

7

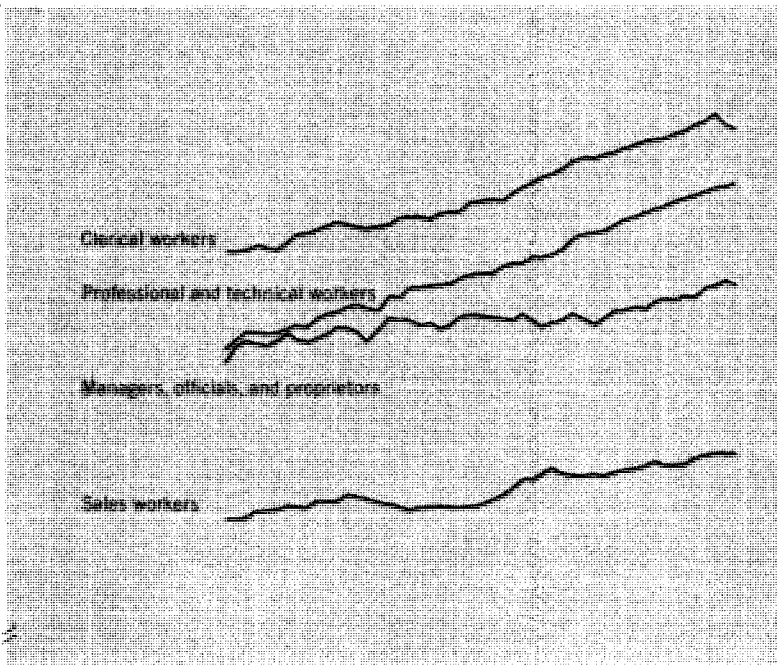
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5

4

3

1



Ratio Scale
MILLIONS

20

10

9

8

7

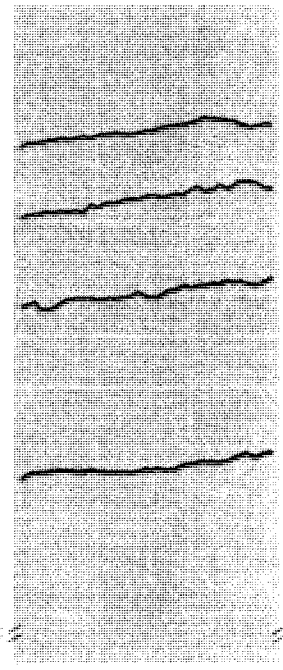
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5

4

3

1



Blue-collar and service workers

20

10

9

8

7

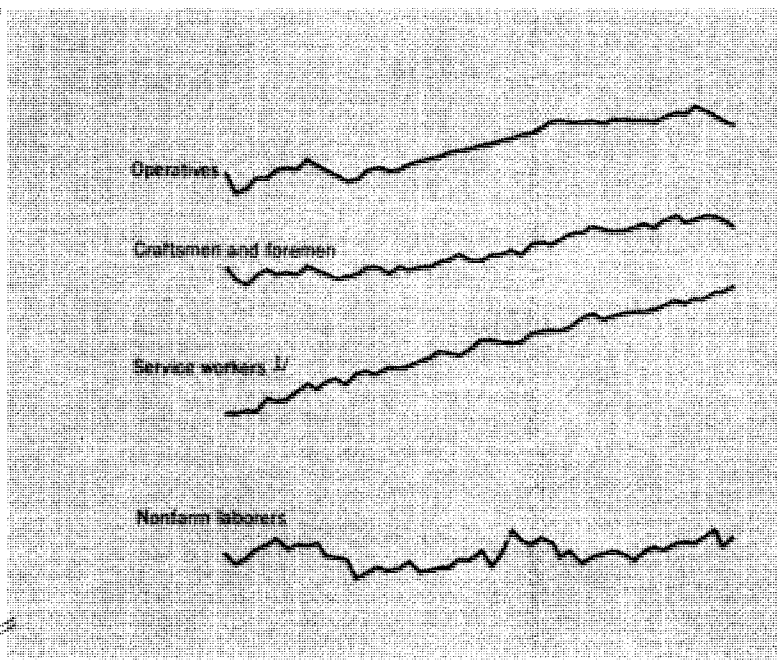
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Ratio Scale
MILLIONS

20

10

9

8

7

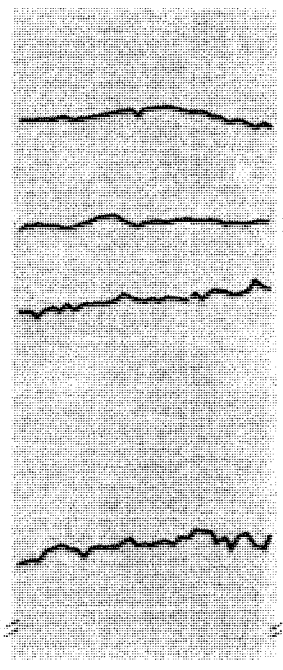
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5

4

3

1



1953

1957

1959

1961

1963

1965

1967

1969

1971

Quarterly averages

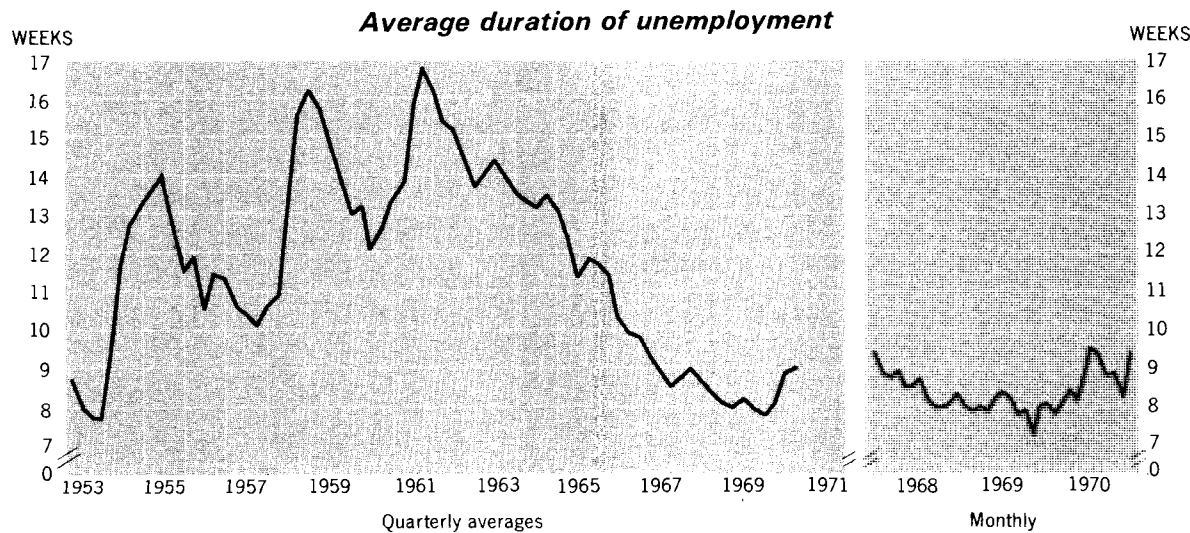
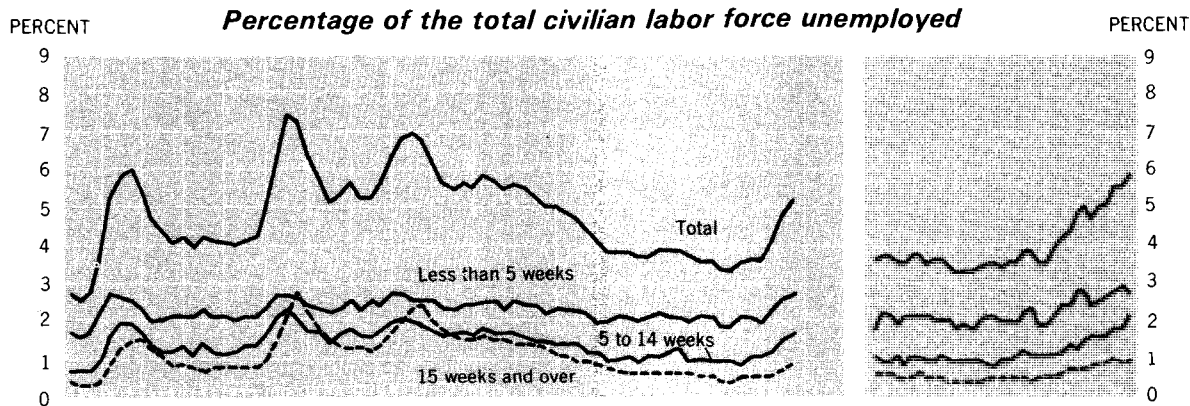
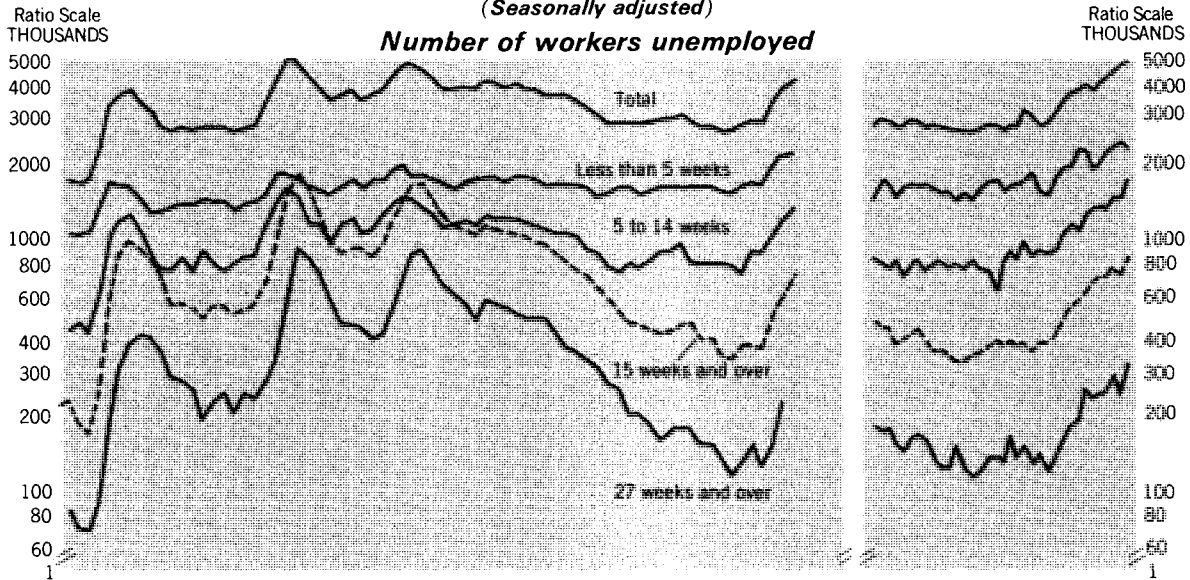
Monthly

1/ Excludes private household workers.

Source: Table A-37.

Chart 7. Duration of unemployment 1953 to date

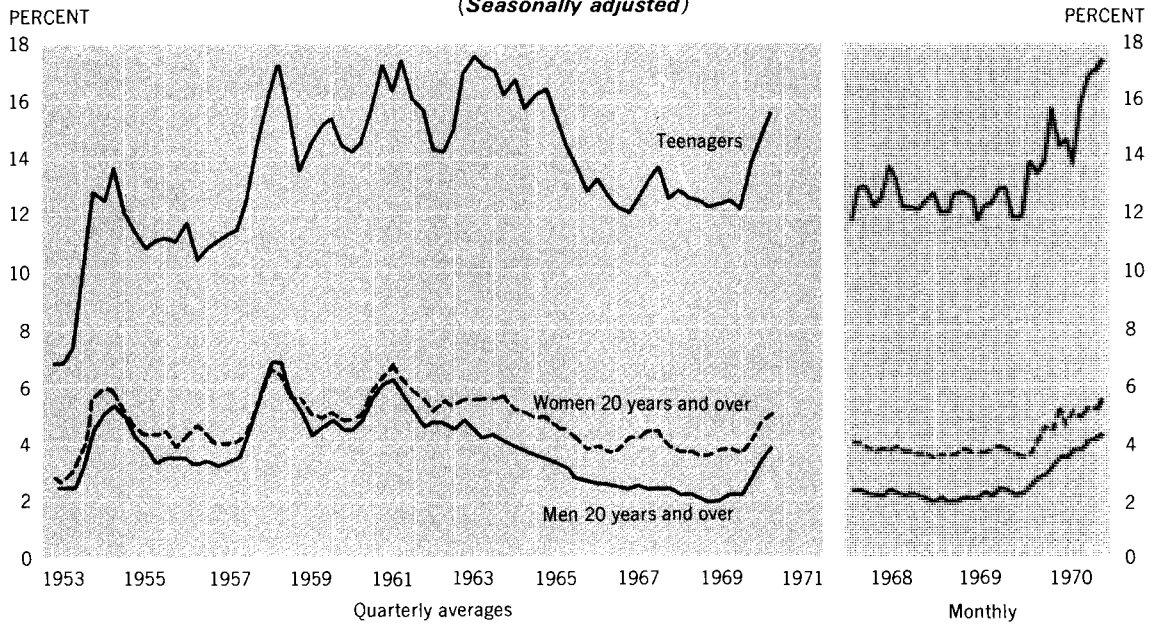
(Seasonally adjusted)



Source: Table A-32.

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

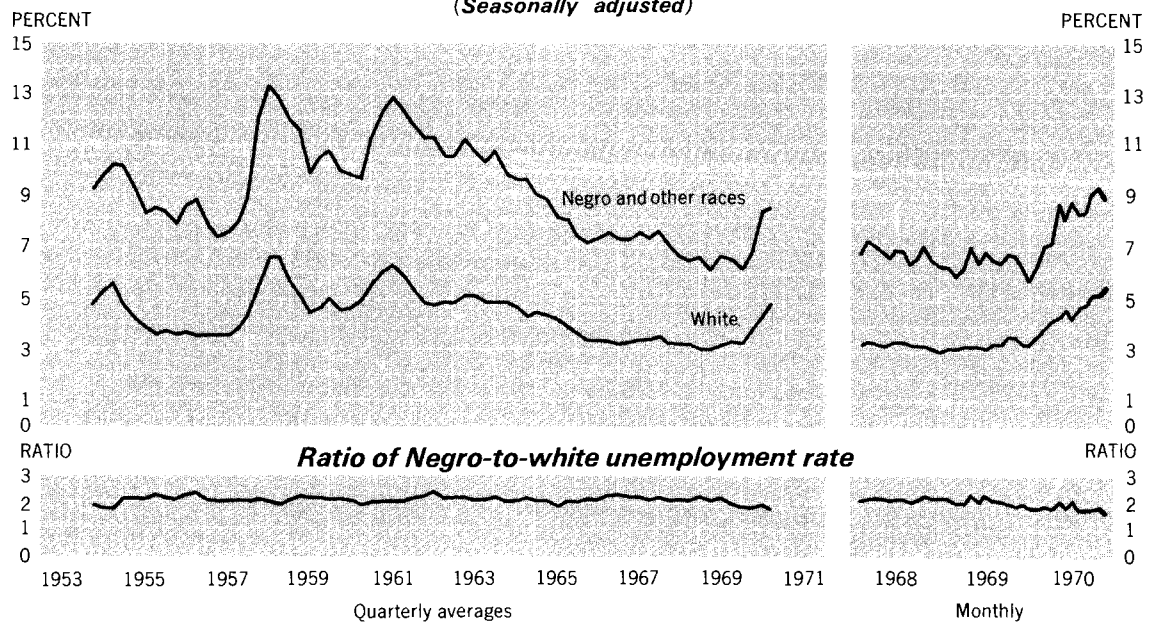
(Seasonally adjusted)



Source: Table A-33.

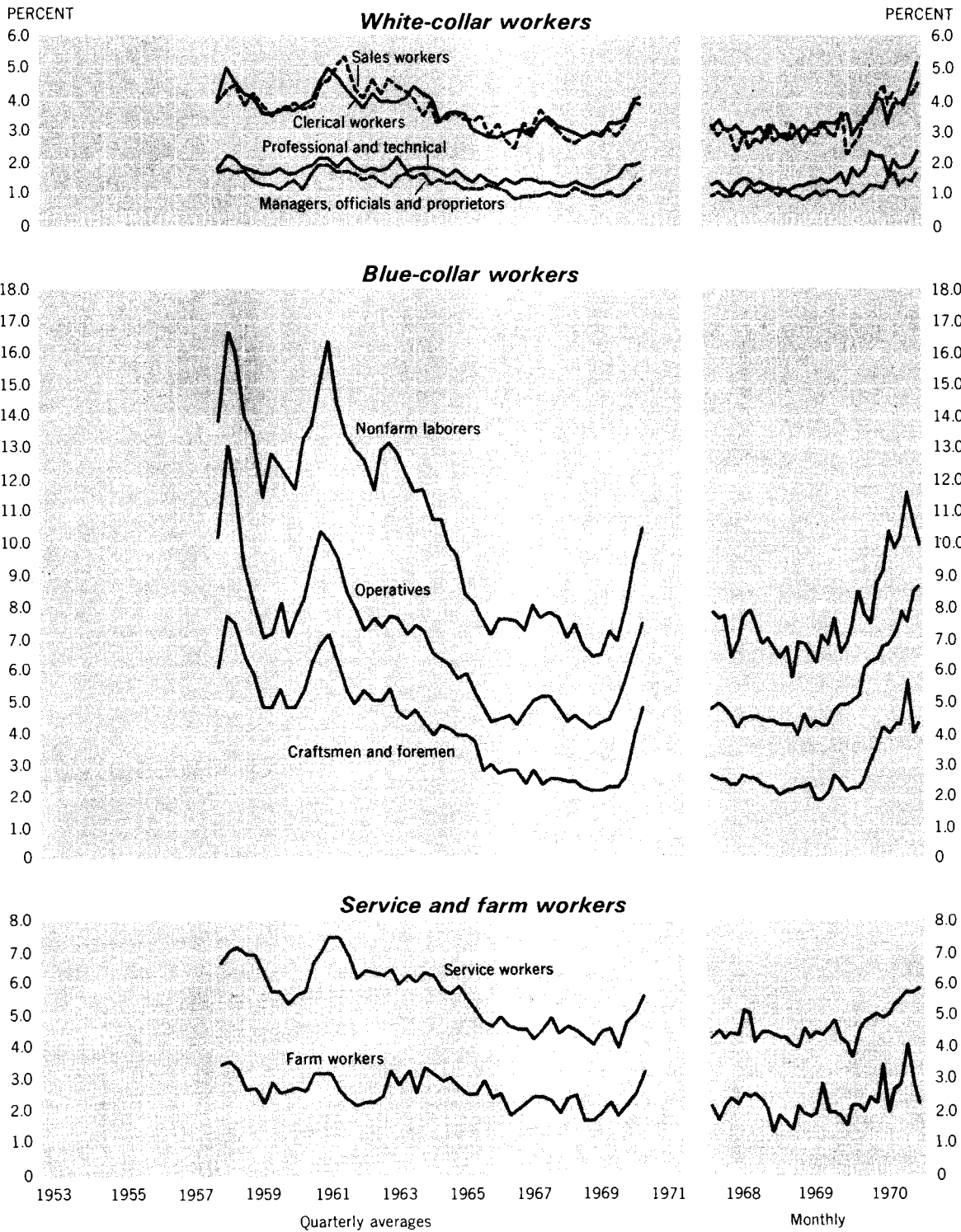
**Chart 9. Unemployment rates by color
1954 to date**

(Seasonally adjusted)



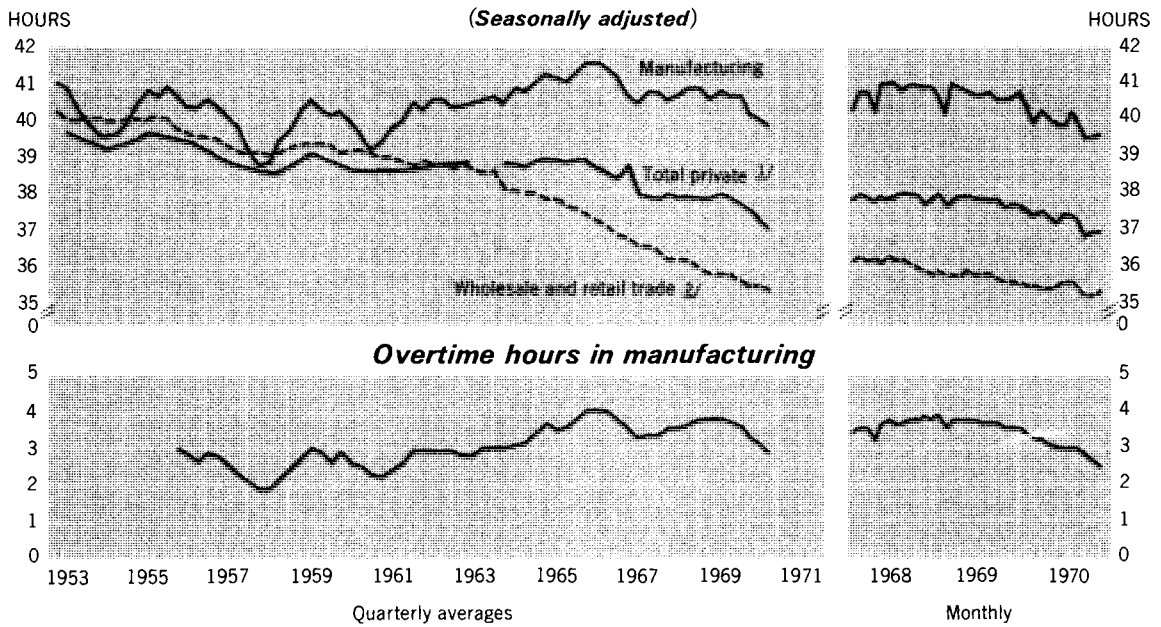
Source: Table A-31.

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**



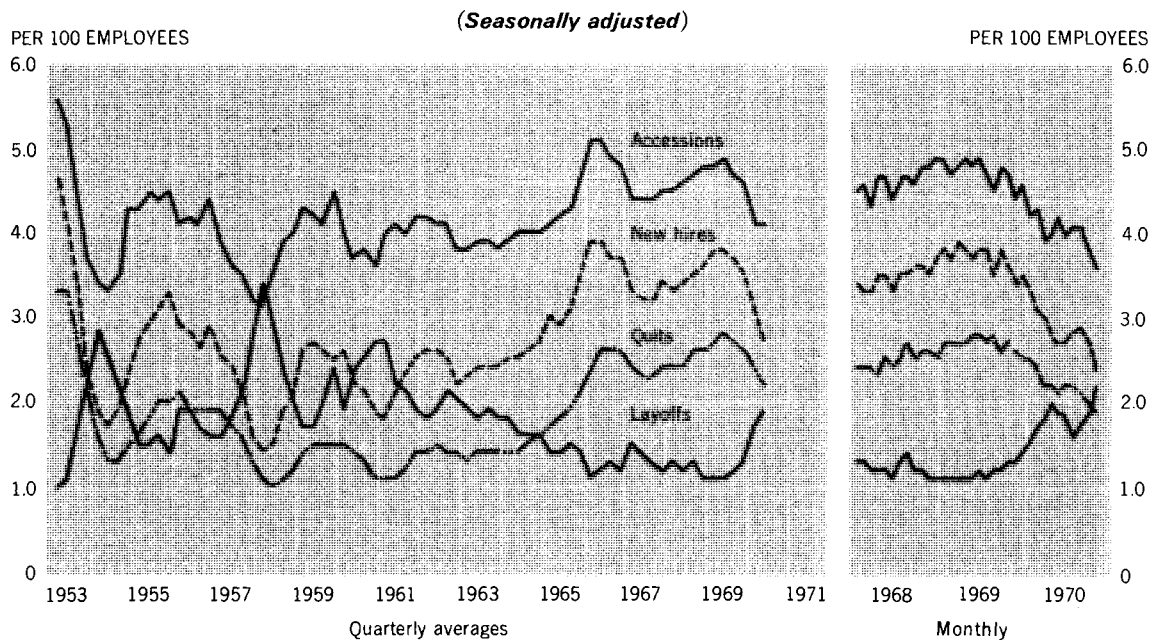
1/ Annual averages prior to 1964.

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.

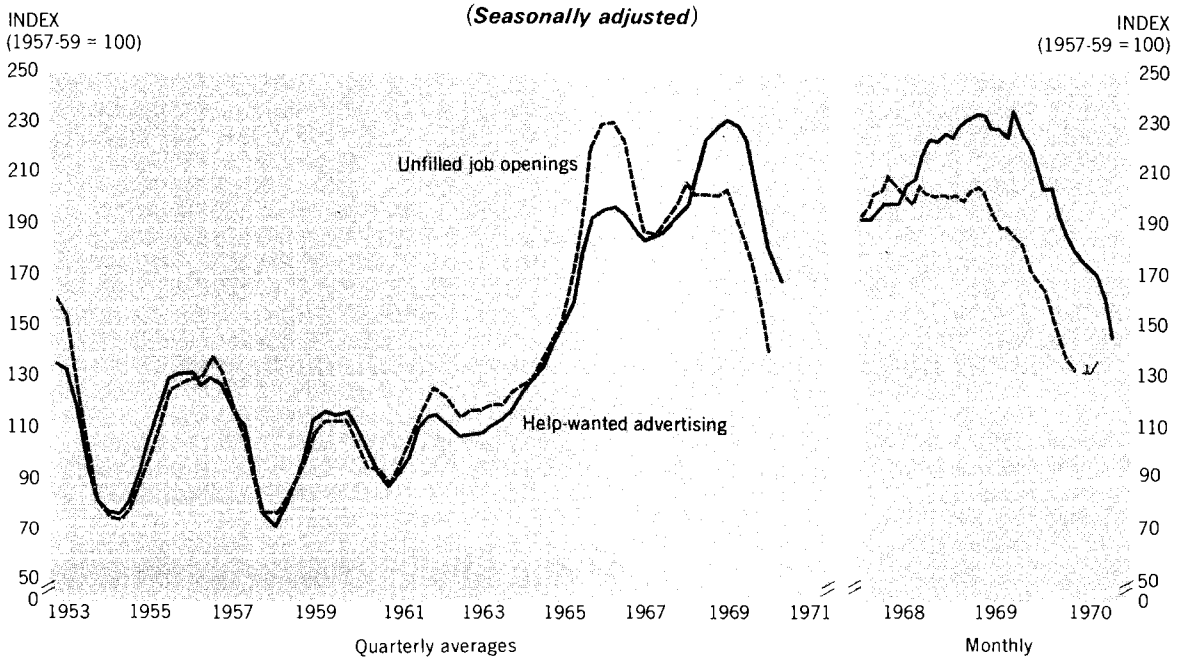
**Chart 12. Labor turnover rates in manufacturing
1953 to date**



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**



1/Beginning in July 1970, data on unfilled job openings are not shown because they are not comparable to data for preceding months.

Source: U.S. Department of Labor, Manpower Administration (unfilled job openings) and The 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

Year-to-year changes
(quarterly averages)

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

Year-to-year changes
(quarterly averages)

1953 1955 1957 1959 1961 1963 1965 1967 1969 1971

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)

1968 1969 1970

11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0

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

Annual changes

Year-to-year changes
(quarterly averages)

1953 1955 1957 1959 1961 1963 1965 1967 1969 1971

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)

1968 1969 1970

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

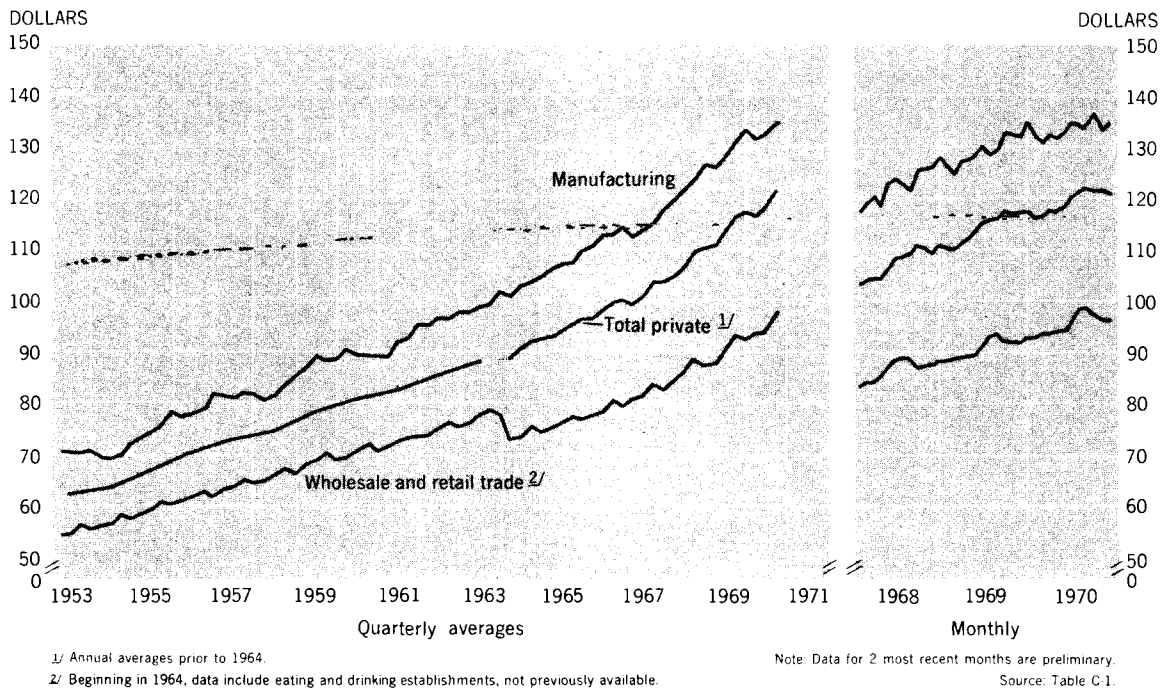
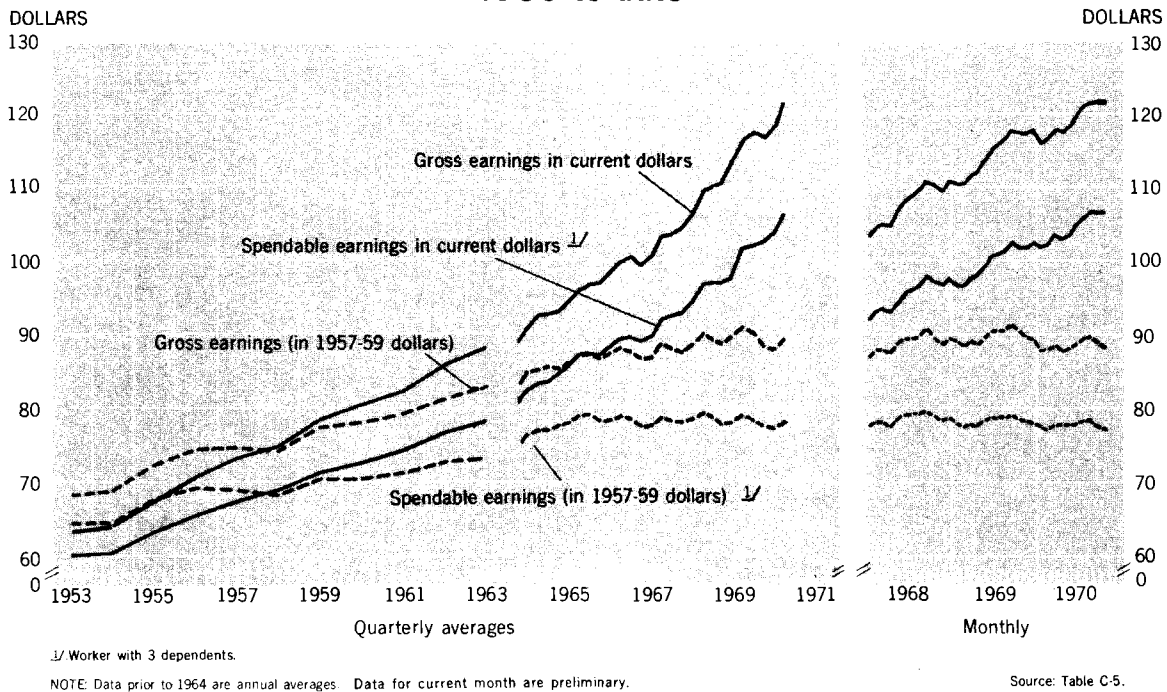
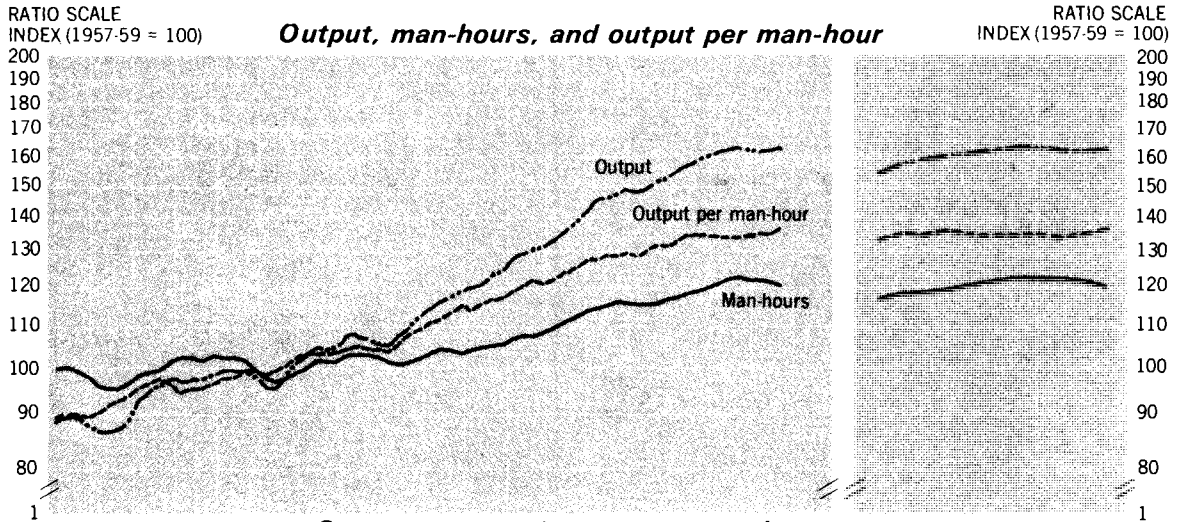


Chart 16. Average weekly and spendable earnings of production or nonsupervisory workers on private nonagricultural payrolls 1953 to date

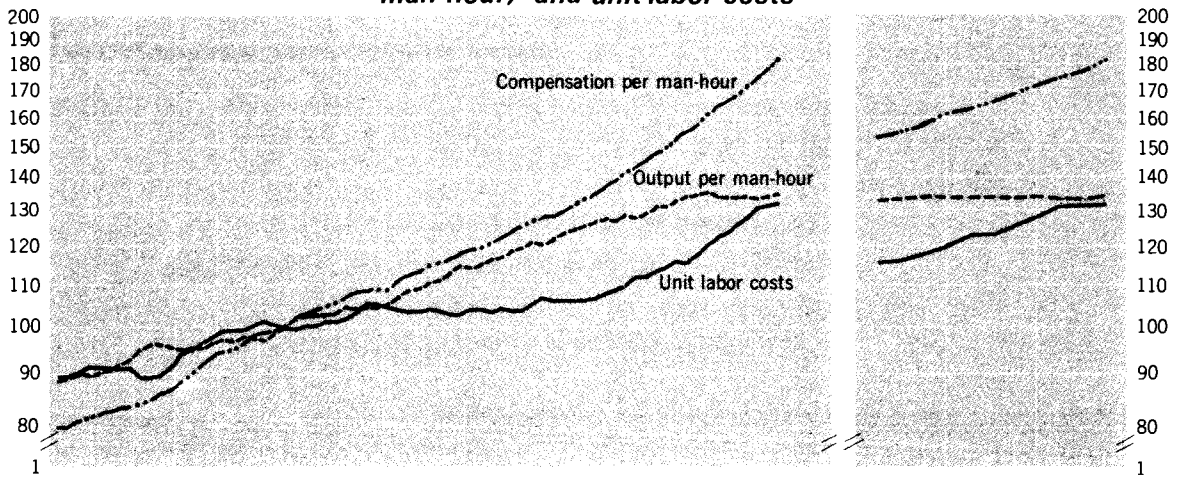


**Chart 17. Indexes of output per man-hour, hourly compensation, and unit labor costs in the private nonfarm economy
1953 to date**

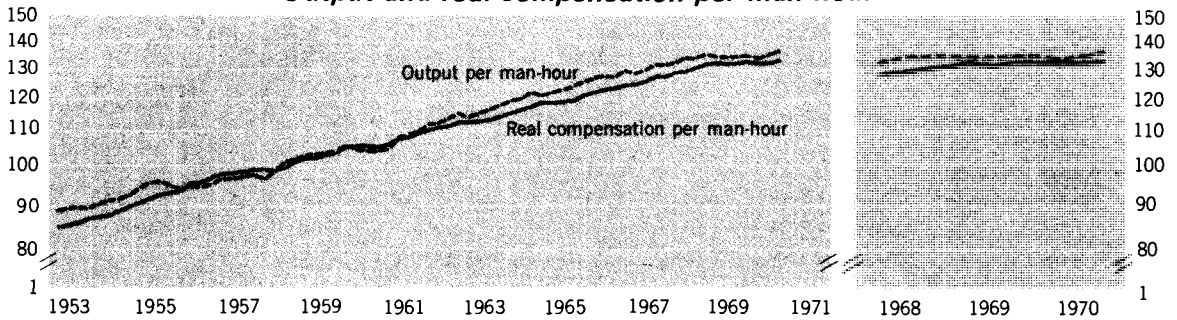
(Seasonally adjusted quarterly averages)



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

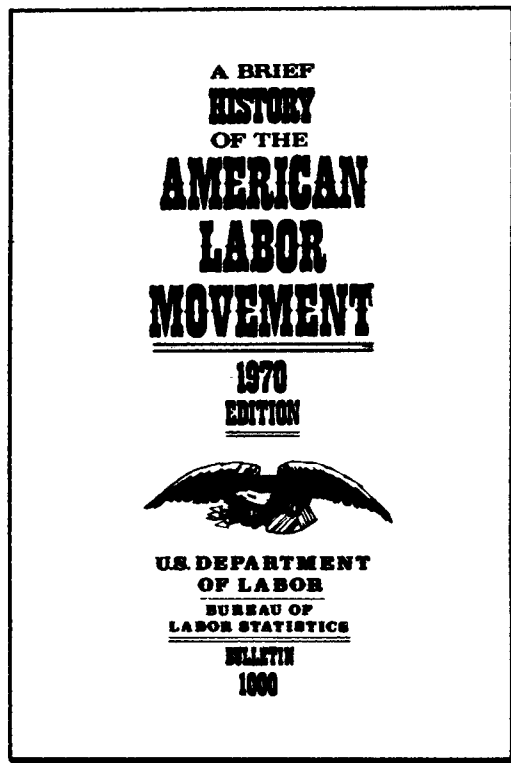


Output and real compensation per man-hour



Source: Table C-10.

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

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

(In thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force	
		Number	Percent of population	Total	Employed			Unemployed			
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force		
								Not seasonally adjusted	Seasonally adjusted		
Persons 14 years of age and over											
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	-	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	-	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	-	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	-	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	-	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	-	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	-	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	-	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	-	(1)
1938.....	(1)	54,950	(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: November.....	138,732	84,920	61.2	81,427	78,716	3,322	75,395	2,710	3.3	3.5	53,812
1970: January.....	139,099	84,105	60.5	80,719	77,313	2,915	74,398	3,406	4.2	3.9	54,993
February.....	139,298	84,625	60.8	81,283	77,489	2,994	74,495	3,794	4.7	4.2	54,673
March.....	139,497	85,008	60.9	81,690	77,957	3,171	74,786	3,733	4.6	4.4	54,489
April.....	139,687	85,231	61.0	81,960	78,408	3,531	74,877	3,552	4.3	4.8	54,456
May.....	139,884	84,968	60.7	81,741	78,357	3,725	74,632	3,384	4.1	5.0	54,915
June.....	140,046	87,230	62.3	84,050	79,382	4,208	75,174	4,669	5.6	4.7	52,816
July.....	140,259	87,955	62.7	84,801	80,291	4,118	76,173	4,510	5.3	5.0	52,304
August.....	140,468	87,248	62.1	84,115	79,894	3,782	76,112	4,220	5.0	5.1	53,220
September.....	140,675	85,656	60.9	82,547	78,256	3,525	74,730	4,292	5.2	5.5	55,019
October.....	140,886	86,255	61.2	83,175	78,916	3,394	75,522	4,259	5.1	5.6	54,631
November.....	141,091	86,386	61.2	83,347	78,741	3,226	75,515	4,607	5.5	5.8	54,705

1Not 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 industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1947.....	50,968	44,258	86.8	42,686	40,994	6,643	34,351	1,692	4.0	-	6,710
1948.....	51,439	44,729	87.0	43,286	41,726	6,358	35,368	1,559	3.6	-	6,710
1949.....	51,922	45,097	86.9	43,498	40,926	6,342	34,584	2,572	5.9	-	6,825
1950.....	52,352	45,446	86.8	43,819	41,580	6,001	35,578	2,239	5.1	-	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,533	36,248	1,221	2.8	-	6,725
1952.....	53,248	46,416	87.2	42,869	41,684	5,389	36,294	1,185	2.8	-	6,832
1953.....	54,248	47,131	86.9	43,633	42,431	5,253	37,178	1,202	2.8	-	7,117
1954.....	54,706	47,275	86.4	43,965	41,620	5,200	36,418	2,344	5.3	-	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,357	1,854	4.2	-	7,634
1956.....	55,547	47,914	86.3	45,091	43,380	5,039	38,340	1,711	3.8	-	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	-	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	-	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.3	-	8,907
1960.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	-	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	-	9,633
1962.....	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	-	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	-	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	-	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	-	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	-	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	-	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	-	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	-	12,677
1969: November.....	66,757	53,521	80.2	50,067	48,739	2,722	46,017	1,329	2.7	2.9	13,236
1970:											
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
October.....	67,730	54,054	79.8	51,015	48,777	2,771	46,006	2,238	4.4	5.1	13,676
November.....	67,824	54,068	79.7	51,069	48,635	2,664	45,971	2,434	4.8	5.2	13,756
FEMALE											
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	-	35,767
1948.....	53,088	17,351	32.7	17,335	16,618	1,271	15,347	717	4.1	-	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,314	15,409	1,065	6.0	-	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,182	1,049	5.7	-	35,881
1951.....	54,933	19,054	34.7	19,016	18,182	1,193	16,990	834	4.4	-	35,879
1952.....	55,575	19,314	34.8	19,269	18,570	1,112	17,459	698	3.6	-	36,261
1953.....	56,353	19,429	34.5	19,382	18,750	1,008	17,744	632	3.3	-	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	-	37,247
1955.....	57,610	20,584	35.7	20,548	19,550	1,184	18,367	998	4.9	-	37,026
1956.....	58,264	21,495	36.9	21,461	20,422	1,244	19,177	1,039	4.8	-	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	-	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	-	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	-	38,053
1960.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	-	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	-	38,679
1962.....	63,355	24,067	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: November.....	71,976	31,399	43.6	31,359	29,978	600	29,378	1,381	4.4	4.4	40,577
1970:											
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
October.....	73,156	32,201	44.0	32,161	30,139	623	29,516	2,021	6.3	6.3	40,955
November.....	73,267	32,318	44.1	32,278	30,106	562	29,544	2,173	6.7	6.9	40,949

A - 3: Employment status of the noninstitutional population by sex, age, and color
November 1970
(In thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALE											
16 years and over	54,068	79.7	51,069	48,635	2,434	4.8	13,756	265	4,562	1,542	7,387
16 to 21 years	6,901	62.0	5,678	4,829	849	15.0	4,235	34	3,881	43	277
16 to 19 years	4,097	53.8	3,734	3,115	619	16.6	3,514	27	3,265	26	196
16 and 17 years	1,648	42.1	1,618	1,318	300	18.5	2,266	9	2,159	4	94
18 and 19 years	2,449	66.3	2,116	1,796	320	15.1	1,247	18	1,106	21	102
20 to 64 years	47,855	91.9	45,219	43,493	1,726	3.8	4,225	85	1,295	953	1,892
20 to 24 years	7,397	85.4	5,822	5,266	556	9.5	1,269	15	1,030	35	189
25 to 54 years	33,343	95.9	32,286	31,332	955	3.0	1,440	35	262	480	662
25 to 29 years	6,566	95.6	6,187	5,924	262	4.2	302	2	179	40	80
30 to 34 years	5,515	97.7	5,256	5,088	168	3.2	132	5	32	36	59
35 to 39 years	5,234	97.2	4,990	4,868	122	2.5	149	4	22	47	76
40 to 44 years	5,527	96.4	5,419	5,281	138	2.5	204	10	10	78	107
45 to 49 years	5,584	95.4	5,539	5,388	151	2.7	268	4	16	108	140
50 to 54 years	4,916	92.7	4,896	4,782	113	2.3	384	10	2	173	199
55 to 64 years	7,116	82.4	7,112	6,896	216	3.0	1,516	34	3	437	1,041
55 to 59 years	4,238	89.5	4,235	4,108	126	3.0	498	17	3	206	272
60 to 64 years	2,877	73.9	2,877	2,788	90	3.1	1,018	18	-	232	769
65 years and over	2,116	26.0	2,116	2,027	89	4.2	6,017	153	2	563	5,299
65 to 69 years	1,234	39.9	1,234	1,169	64	5.2	1,857	28	3	161	1,664
70 years and over	882	17.5	882	858	24	2.8	4,160	125	-	402	3,634
White											
16 years and over	48,606	80.1	45,934	43,870	2,064	4.5	12,045	220	3,931	1,253	6,640
16 to 21 years	6,110	63.2	5,023	4,336	686	13.7	3,553	23	3,312	31	188
16 to 19 years	3,663	55.5	3,338	2,825	513	15.4	2,933	18	2,768	16	131
16 and 17 years	1,495	44.2	1,467	1,215	253	17.2	1,889	8	1,810	3	67
18 and 19 years	2,168	67.5	1,871	1,610	261	13.9	1,043	9	958	13	64
20 to 64 years	42,997	92.2	40,650	39,184	1,467	3.6	3,615	65	1,160	777	1,612
20 to 24 years	6,510	85.5	5,097	4,650	447	8.8	1,101	10	929	23	139
25 to 54 years	29,994	96.3	29,063	28,239	825	2.8	1,148	26	231	374	517
25 to 34 years	10,760	96.8	10,199	9,846	354	3.5	351	6	188	54	103
35 to 44 years	9,676	97.3	9,367	9,136	231	2.5	266	9	28	98	132
45 to 54 years	9,558	94.7	9,497	9,256	241	2.5	530	11	15	221	282
55 to 64 years	6,493	82.6	6,489	6,295	195	3.0	1,366	29	1	381	956
55 to 59 years	3,874	90.0	3,871	3,761	110	2.8	428	14	1	177	236
60 to 64 years	2,619	73.6	2,618	2,533	85	3.2	938	15	-	203	720
65 years and over	1,946	26.1	1,946	1,861	84	4.3	5,497	138	3	460	4,897
Negro and other races											
16 years and over	5,462	76.2	5,135	4,765	370	7.2	1,711	45	631	288	746
16 to 21 years	791	53.7	655	492	163	24.9	682	11	569	13	90
16 to 19 years	434	42.8	396	289	106	26.9	581	9	497	9	65
16 and 17 years	153	28.9	150	103	47	31.3	377	-	349	1	27
18 and 19 years	281	58.0	246	186	59	24.2	204	9	148	9	38
20 to 64 years	4,858	88.8	4,569	4,310	259	5.7	610	19	134	176	279
20 to 24 years	887	84.1	725	616	109	15.0	168	5	102	12	49
25 to 54 years	3,349	92.0	3,222	3,093	129	4.0	293	10	31	107	144
25 to 34 years	1,321	94.1	1,243	1,167	77	6.2	83	1	24	22	36
35 to 44 years	1,085	92.6	1,041	1,012	30	2.9	87	5	5	26	51
45 to 54 years	942	88.5	937	914	23	2.5	123	4	3	59	58
55 to 64 years	623	80.6	623	602	21	3.4	149	5	2	57	85
55 to 59 years	364	84.0	364	347	17	4.6	69	3	2	28	37
60 to 64 years	259	76.3	259	254	4	1.7	80	3	-	29	49
65 years and over	170	24.6	170	166	4	2.4	520	16	-	103	402

A-3: Employment status of the noninstitutional population by sex, age, and color--Continued
 November 1970
 (In thousands)

Sex, age, and color	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALE											
16 years and over	32,318	44.1	32,278	30,106	2,173	6.7	40,949	34,526	4,206	846	1,372
16 to 21 years	5,277	48.2	5,258	4,439	819	15.6	5,664	1,666	3,806	14	179
16 to 19 years	3,230	43.3	3,221	2,606	616	19.1	4,229	765	3,331	7	126
16 and 17 years	1,291	33.7	1,291	1,025	266	20.6	2,540	184	2,303	4	49
18 and 19 years	1,939	53.4	1,931	1,581	350	18.1	1,689	581	1,027	4	77
20 to 64 years	28,005	51.1	27,974	26,467	1,507	5.4	26,799	25,018	867	282	631
20 to 24 years	5,013	58.2	4,995	4,573	421	8.4	3,597	2,824	641	21	111
25 to 54 years	18,761	51.4	18,749	17,769	980	5.2	17,717	16,995	225	130	367
25 to 29 years	3,221	46.2	3,216	2,987	230	7.1	3,746	3,585	99	11	51
30 to 34 years	2,729	46.8	2,726	2,562	165	6.0	3,101	2,987	44	10	59
35 to 39 years	2,869	51.3	2,867	2,713	154	5.4	2,721	2,619	32	10	60
40 to 44 years	3,230	53.5	3,229	3,067	161	5.0	2,811	2,696	24	29	62
45 to 49 years	3,532	56.2	3,531	3,378	153	4.3	2,757	2,639	20	32	67
50 to 54 years	3,180	55.2	3,180	3,062	117	3.7	2,580	2,468	7	38	67
55 to 64 years	4,230	43.5	4,230	4,125	105	2.5	5,485	5,198	1	132	154
55 to 59 years	2,573	49.2	2,573	2,511	62	2.4	2,657	2,523	1	63	70
60 to 64 years	1,657	37.0	1,657	1,614	43	2.6	2,828	2,675	-	68	84
65 years and over	1,083	9.8	1,083	1,033	50	4.6	9,922	8,743	8	556	615
65 to 69 years	642	17.2	642	607	36	5.6	3,102	2,887	-	82	133
70 years and over	441	6.1	441	426	14	3.3	6,820	5,856	9	474	481
White											
16 years and over	28,239	43.4	28,204	26,449	1,754	6.2	36,820	31,403	3,540	669	1,208
16 to 21 years	4,659	49.5	4,642	4,019	623	13.4	4,758	1,405	3,210	10	133
16 to 19 years	2,866	44.7	2,859	2,388	470	16.4	3,548	636	2,806	5	101
16 and 17 years	1,164	35.4	1,164	950	214	18.4	2,124	151	1,930	2	41
18 and 19 years	1,702	54.5	1,694	1,439	256	15.1	1,424	485	875	3	60
20 to 64 years	24,400	50.3	24,373	23,137	1,236	5.1	24,104	22,640	727	211	528
20 to 24 years	4,366	58.3	4,350	4,023	326	7.5	3,125	2,482	550	16	77
25 to 54 years	16,220	50.4	16,209	15,395	814	5.0	15,976	15,393	175	95	313
25 to 34 years	5,018	44.8	5,012	4,706	306	6.1	6,182	5,957	110	18	97
35 to 44 years	5,250	51.5	5,247	4,981	266	5.1	4,953	4,780	46	26	102
45 to 54 years	5,952	55.1	5,950	5,707	243	4.1	4,841	4,656	19	52	115
55 to 64 years	3,814	43.3	3,814	3,719	95	2.5	5,003	4,765	1	100	138
55 to 59 years	2,316	49.0	2,316	2,259	57	2.4	2,409	2,299	1	47	63
60 to 64 years	1,498	36.6	1,498	1,460	39	2.6	2,594	2,467	-	53	75
65 years and over	972	9.6	972	924	48	4.9	9,168	8,127	7	454	579
Negro and other races											
16 years and over	4,079	49.7	4,075	3,656	418	10.3	4,129	3,122	666	176	164
16 to 21 years	618	40.5	615	420	195	31.7	907	261	596	4	46
16 to 19 years	364	34.8	363	217	146	40.1	681	128	525	3	25
16 and 17 years	127	23.4	127	75	52	40.8	416	32	373	2	8
18 and 19 years	238	47.2	236	142	94	39.7	266	96	152	1	17
20 to 64 years	3,604	57.2	3,601	3,331	270	7.5	2,693	2,377	141	72	104
20 to 24 years	647	57.8	645	550	95	14.7	472	342	91	5	34
25 to 54 years	2,541	59.4	2,540	2,375	165	6.5	1,740	1,602	50	35	52
25 to 34 years	931	58.3	931	842	89	9.6	665	615	33	4	14
35 to 44 years	849	59.5	849	799	50	5.8	579	535	10	13	20
45 to 54 years	760	60.5	760	733	27	3.6	496	452	7	18	19
55 to 64 years	416	46.4	416	406	10	2.4	482	433	-	32	17
55 to 59 years	257	50.9	257	251	6	2.2	248	224	-	16	8
60 to 64 years	159	40.6	159	155	4	2.8	233	209	-	16	9
65 years and over	111	12.8	111	108	3	2.4	755	617	1	102	35

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

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
MALE								
16 years and over	54,068	53,521	79.7	80.2	51,069	50,067	78.8	79.1
16 to 19 years	4,097	4,058	53.8	54.8	3,734	3,617	51.5	52.0
16 and 17 years	1,648	1,679	42.1	44.1	1,618	1,644	41.7	43.5
18 and 19 years	2,449	2,378	66.3	66.2	2,116	1,973	62.9	62.0
20 to 24 years	7,397	7,046	85.4	84.9	5,822	5,273	82.1	80.8
25 to 54 years	33,343	33,141	95.9	96.1	32,286	31,905	95.7	95.9
25 to 34 years	12,082	11,771	96.5	96.5	11,443	10,999	96.3	96.3
35 to 44 years	10,761	10,899	96.8	97.0	10,409	10,516	96.7	96.9
45 to 54 years	10,500	10,472	94.1	94.6	10,434	10,390	94.1	94.5
55 to 64 years	7,116	7,104	82.4	83.3	7,112	7,100	82.4	83.3
55 to 59 years	4,238	4,204	89.5	89.7	4,235	4,201	89.5	89.7
60 to 64 years	2,877	2,900	73.9	75.5	2,877	2,899	73.9	75.5
65 years and over	2,116	2,172	26.0	27.0	2,116	2,172	26.0	27.0
White								
16 years and over	48,606	48,088	80.1	80.5	45,934	45,000	79.2	79.4
16 to 19 years	3,663	3,558	55.5	55.4	3,338	3,166	53.2	52.5
16 and 17 years	1,495	1,503	44.2	45.5	1,467	1,473	43.7	45.0
18 and 19 years	2,168	2,054	67.5	65.9	1,871	1,693	64.2	61.5
20 to 24 years	6,510	6,183	85.5	84.6	5,097	4,585	82.2	80.3
25 to 54 years	29,994	29,838	96.3	96.5	29,063	28,743	96.2	96.4
25 to 34 years	10,760	10,506	96.8	96.9	10,199	9,828	96.7	96.7
35 to 44 years	9,676	9,803	97.3	97.4	9,367	9,463	97.2	97.3
45 to 54 years	9,558	9,530	94.7	95.1	9,497	9,452	94.7	95.0
55 to 64 years	6,493	6,511	82.6	83.9	6,489	6,507	82.6	83.9
55 to 59 years	3,874	3,843	90.0	90.3	3,871	3,840	90.0	90.3
60 to 64 years	2,619	2,668	73.6	76.1	2,618	2,667	73.6	76.1
65 years and over	1,946	1,999	26.1	27.2	1,946	1,999	26.1	27.2
Negro and other races								
16 years and over	5,462	5,433	76.2	77.8	5,135	5,067	75.0	76.6
16 to 19 years	434	500	42.8	51.0	396	451	40.5	48.4
16 and 17 years	153	176	28.9	34.8	150	171	28.5	34.1
18 and 19 years	281	324	58.0	68.4	246	280	54.6	65.1
20 to 24 years	887	863	84.1	87.4	725	688	81.2	84.6
25 to 54 years	3,349	3,303	92.0	92.4	3,222	3,162	91.7	92.1
25 to 34 years	1,321	1,265	94.1	93.6	1,243	1,170	93.7	93.1
35 to 44 years	1,085	1,096	92.6	93.5	1,041	1,054	92.3	93.3
45 to 54 years	942	942	88.5	89.7	937	938	88.4	89.7
55 to 64 years	623	593	80.6	77.6	623	593	80.6	77.6
55 to 59 years	364	361	84.0	84.2	364	361	84.0	84.2
60 to 64 years	259	232	76.3	69.2	259	232	76.3	69.2
65 years and over	170	173	24.6	25.6	170	173	24.6	25.6

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

Sex, age, and color	Total labor force				Civilian labor force			
	Thousands of persons		Participation rate		Thousands of persons		Participation rate	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
FEMALE								
16 years and over	32,318	31,399	44.1	43.6	32,278	31,359	44.1	43.6
16 to 19 years	3,230	3,181	43.3	43.9	3,221	3,171	43.2	43.8
16 and 17 years	1,291	1,288	33.7	34.6	1,291	1,288	33.7	34.6
18 and 19 years	1,939	1,893	53.4	53.8	1,931	1,883	53.3	53.6
20 to 24 years	5,013	4,753	58.2	57.6	4,995	4,735	58.1	57.5
25 to 54 years	18,761	18,322	51.4	50.7	18,749	18,312	51.4	50.6
25 to 34 years	5,949	5,570	46.5	44.7	5,943	5,564	46.5	44.6
35 to 44 years	6,100	6,119	52.4	52.0	6,096	6,115	52.4	52.0
45 to 54 years	6,712	6,634	55.7	55.6	6,710	6,632	55.7	55.6
55 to 64 years	4,230	4,081	43.5	42.8	4,230	4,081	43.5	42.8
55 to 59 years	2,573	2,539	49.2	49.3	2,573	2,538	49.2	49.3
60 to 64 years	1,657	1,543	37.0	35.1	1,657	1,543	37.0	35.1
65 years and over	1,083	1,061	9.8	9.9	1,083	1,061	9.8	9.9
White								
16 years and over	28,239	27,367	43.4	42.8	28,204	27,332	43.4	42.7
16 to 19 years	2,866	2,832	44.7	45.4	2,859	2,824	44.6	45.3
16 and 17 years	1,164	1,164	35.4	36.3	1,164	1,164	35.4	36.3
18 and 19 years	1,702	1,668	54.5	55.0	1,694	1,659	54.3	54.9
20 to 24 years	4,366	4,104	58.3	56.9	4,350	4,088	58.2	56.8
25 to 54 years	16,220	15,786	50.4	49.4	16,209	15,776	50.4	49.3
25 to 34 years	5,018	4,708	44.8	43.1	5,012	4,702	44.8	43.0
35 to 44 years	5,250	5,245	51.5	50.7	5,247	5,241	51.4	50.7
45 to 54 years	5,952	5,833	55.1	54.5	5,950	5,832	55.1	54.5
55 to 64 years	3,814	3,664	43.3	42.3	3,814	3,664	43.3	42.3
55 to 59 years	2,316	2,271	49.0	48.8	2,316	2,271	49.0	48.8
60 to 64 years	1,498	1,393	36.6	34.7	1,498	1,393	36.6	34.7
65 years and over	972	981	9.6	9.9	972	981	9.6	9.9
Negro and other races								
16 years and over	4,079	4,032	49.7	50.6	4,075	4,027	49.7	50.6
16 to 19 years	364	349	34.8	34.6	363	347	34.8	34.5
16 and 17 years	127	124	23.4	23.9	127	124	23.4	23.9
18 and 19 years	238	225	47.2	46.0	236	224	47.1	45.9
20 to 24 years	647	649	57.8	61.9	645	647	57.7	61.8
25 to 54 years	2,541	2,537	59.4	60.5	2,540	2,536	59.3	60.5
25 to 34 years	831	862	58.3	56.0	831	861	58.3	56.0
35 to 44 years	849	874	59.5	61.4	849	874	59.5	61.3
45 to 54 years	760	800	60.5	65.0	760	800	60.5	65.0
55 to 64 years	416	417	46.4	47.7	416	417	46.4	47.7
55 to 59 years	257	267	50.9	54.2	257	267	50.9	54.2
60 to 64 years	159	150	40.6	39.4	159	150	40.6	39.4
65 years and over	111	80	12.8	9.5	111	80	12.8	9.5

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

November 1970

(In thousands)

Employment status	Total			White			Negro and other races		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total noninstitutional population	22,078	11,136	10,941	19,080	9,664	9,416	2,998	1,473	1,525
Total labor force	12,178	6,901	5,277	10,769	6,110	4,659	1,409	791	618
Percent of population	55.2	62.0	48.2	56.4	63.2	49.5	47.0	53.7	40.5
Civilian labor force	10,936	5,678	5,258	9,665	5,023	4,642	1,271	655	615
Employed	9,268	4,829	4,439	8,355	4,336	4,019	913	492	420
Agriculture	367	318	48	314	274	41	52	45	8
Nonagricultural industries	8,901	4,511	4,391	8,041	4,063	3,978	860	448	412
Unemployed	1,668	849	819	1,310	686	623	358	163	195
Percent of labor force	15.3	15.0	15.6	13.6	13.7	13.4	28.2	24.9	31.7
Looking for full-time work	924	458	466	690	355	335	234	103	131
Looking for part-time work	744	392	353	620	331	289	124	60	64
Not in labor force	9,900	4,235	5,664	8,311	3,553	4,758	1,589	682	907
Major activity: going to school									
Civilian labor force	3,546	1,954	1,592	3,214	1,797	1,418	332	157	175
Employed	2,825	1,563	1,263	2,617	1,461	1,156	208	102	106
Agriculture	131	113	18	119	104	16	12	10	2
Nonagricultural industries	2,694	1,449	1,245	2,498	1,357	1,141	196	92	104
Unemployed	721	392	330	597	336	261	124	56	68
Percent of labor force	20.3	20.0	20.7	18.6	18.7	18.4	37.3	35.5	39.0
Looking for full-time work	54	28	26	39	25	14	15	4	11
Looking for part-time work	667	363	304	558	311	247	109	52	57
Not in labor force	7,686	3,881	3,806	6,522	3,312	3,210	1,165	569	596
Major activity: other									
Civilian labor force	7,390	3,724	3,665	6,451	3,226	3,225	939	498	441
Employed	6,443	3,266	3,176	5,738	2,875	2,863	705	391	314
Agriculture	235	205	30	195	170	25	40	35	5
Nonagricultural industries	6,208	3,061	3,146	5,543	2,705	2,838	664	356	308
Unemployed	947	458	489	713	351	362	234	107	127
Percent of labor force	12.8	12.3	13.3	11.0	10.9	11.2	24.9	21.5	28.8
Looking for full-time work	870	429	440	651	330	320	219	99	120
Looking for part-time work	77	28	49	62	20	42	15	8	7
Not in labor force	2,213	355	1,859	1,789	241	1,548	424	113	311

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

(In thousands)

Employment status and color	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16-19 years	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
	Total							
Total noninstitutional population	141,091	138,732	60,213	59,357	65,808	64,730	15,070	14,645
Total labor force	86,386	84,920	49,971	49,463	29,088	28,218	7,327	7,239
Percent of population	61.2	61.2	83.0	83.3	44.2	43.6	48.6	49.4
Civilian labor force	83,347	81,427	47,335	46,451	29,057	28,188	6,955	6,788
Employed	78,741	78,716	45,520	45,542	27,500	27,194	5,720	5,980
Agriculture	3,226	3,322	2,418	2,447	523	565	285	310
Nonagricultural industries	75,515	75,395	43,102	43,094	26,977	26,630	5,435	5,670
Unemployed	4,607	2,710	1,815	909	1,557	994	1,235	807
Percent of labor force	5.5	3.3	3.8	2.0	5.4	3.5	17.8	11.9
Not in labor force	54,705	53,812	10,242	9,893	36,721	36,512	7,742	7,407
White								
Total noninstitutional population	125,710	123,781	54,056	53,352	58,645	57,772	13,010	12,658
Total labor force	76,845	75,455	44,943	44,530	25,372	24,535	6,529	6,390
Percent of population	61.1	61.0	83.1	83.5	43.3	42.5	50.2	50.5
Civilian labor force	74,138	72,332	42,596	41,834	25,345	24,508	6,197	5,990
Employed	70,319	70,172	41,045	41,089	24,061	23,710	5,214	5,373
Agriculture	2,868	2,994	2,164	2,205	456	519	247	271
Nonagricultural industries	67,451	67,178	38,880	38,884	23,605	23,192	4,966	5,102
Unemployed	3,818	2,160	1,551	745	1,284	798	983	617
Percent of labor force	5.2	3.0	3.6	1.8	5.1	3.3	15.9	10.3
Not in labor force	48,865	48,327	9,112	8,822	33,272	33,237	6,481	6,268
Negro and other races								
Total noninstitutional population	15,381	14,951	6,158	6,005	7,163	6,958	2,060	1,988
Total labor force	9,541	9,465	5,028	4,933	3,715	3,683	798	849
Percent of population	62.0	63.3	81.7	82.2	51.9	52.9	38.8	42.7
Civilian labor force	9,210	9,094	4,739	4,616	3,712	3,680	759	798
Employed	8,422	8,544	4,476	4,452	3,439	3,484	507	608
Agriculture	358	328	254	242	67	46	37	40
Nonagricultural industries	8,063	8,216	4,222	4,210	3,372	3,438	469	568
Unemployed	788	550	263	164	273	195	252	191
Percent of labor force	8.6	6.1	5.6	3.6	7.4	5.3	33.2	23.9
Not in labor force	5,840	5,486	1,130	1,072	3,448	3,275	1,262	1,139

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

November 1970

(In thousands)

Age and sex	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL	70,724	64,950	2,352	3,422	4.8	12,624	11,439	1,185	9.4
16 years and over	6,311	4,952	436	924	14.6	4,625	3,880	744	16.1
16 to 21 years	3,170	2,305	291	573	18.1	3,786	3,123	662	17.5
16 to 19 years	494	282	87	125	25.2	2,414	1,973	441	18.3
16 and 17 years	2,675	2,023	204	448	16.7	1,372	1,150	221	16.1
18 and 19 years	67,554	62,644	2,061	2,849	4.2	8,838	8,315	523	5.9
20 years and over	9,224	8,074	340	810	8.8	1,592	1,426	167	10.5
20 to 24 years	58,330	54,570	1,721	2,039	3.5	7,246	6,889	356	4.9
25 years and over	46,312	43,400	1,236	1,676	3.6	4,723	4,463	259	5.5
25 to 54 years	12,018	11,170	484	364	3.0	2,523	2,426	96	3.8
55 years and over									
MALE									
16 years and over	46,658	43,587	1,164	1,907	4.1	4,411	3,884	527	12.0
16 to 21 years	3,243	2,569	216	458	14.1	2,435	2,044	392	16.1
16 to 19 years	1,707	1,282	154	271	15.9	2,027	1,679	348	17.2
20 years and over	44,951	42,305	1,010	1,635	3.6	2,384	2,205	179	7.5
20 to 24 years	5,083	4,446	166	471	9.3	739	654	84	11.4
25 years and over	39,868	37,859	844	1,164	2.9	1,645	1,551	95	5.8
25 to 54 years	31,738	30,255	567	916	2.9	547	508	39	7.1
55 years and over	8,129	7,605	277	248	3.1	1,098	1,043	56	5.1
FEMALE									
16 years and over	24,066	21,363	1,189	1,515	6.3	8,212	7,555	658	8.0
16 to 21 years	3,068	2,383	220	466	15.2	2,189	1,837	353	16.1
16 to 19 years	1,463	1,024	138	301	20.6	1,759	1,444	314	17.9
20 years and over	22,603	20,339	1,051	1,214	5.4	6,454	6,110	343	5.3
20 to 24 years	4,141	3,628	174	339	8.2	854	771	82	9.7
25 years and over	18,462	16,711	877	875	4.7	5,600	5,339	261	4.7
25 to 54 years	14,574	13,144	669	760	5.2	4,175	3,955	220	5.3
55 years and over	3,889	3,567	208	115	3.0	1,424	1,384	41	2.9

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

A- 8: Unemployed persons by sex and age

Age	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total, 16 years and over	2,434	1,329	4.8	2.7	2,173	1,381	6.7	4.4
16 to 19 years	619	420	16.6	11.6	616	388	19.1	12.2
16 and 17 years	300	238	18.5	14.5	266	209	20.6	16.2
18 and 19 years	320	181	15.1	9.2	350	179	18.1	9.5
20 years and over	1,815	909	3.8	2.0	1,557	994	5.4	3.5
20 to 24 years	556	259	9.5	4.9	421	273	8.4	5.8
25 years and over	1,259	650	3.0	1.6	1,136	721	4.7	3.1
25 to 34 years	430	208	3.8	1.9	394	252	6.6	4.5
35 to 44 years	261	127	2.5	1.2	315	211	5.2	3.5
45 to 54 years	264	143	2.5	1.4	270	154	4.0	2.3
55 to 64 years	216	123	3.0	1.7	105	89	2.5	2.2
55 to 59 years	126	84	3.0	2.0	62	66	2.4	2.6
60 to 64 years	90	39	3.1	1.3	43	22	2.6	1.5
65 years and over	89	49	4.2	2.3	50	15	4.6	1.4
Household head, 16 years and over	1,274	616	3.0	1.5	330	199	4.9	3.1
16 to 24 years	218	90	6.3	2.9	71	34	10.0	5.1
25 to 54 years	771	364	2.6	1.2	185	114	4.9	3.1
55 years and over	285	161	3.2	1.8	74	50	3.3	2.3

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

Marital status, age, and color	Male				Female			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total, 16 years and over	2,434	1,329	4.8	2.7	2,173	1,381	6.7	4.4
Married, spouse present	1,140	535	2.9	1.4	1,048	723	5.5	3.9
Widowed, divorced, or separated	163	95	6.0	3.6	345	213	5.8	3.6
Single (never married)	1,131	699	12.3	8.1	780	446	10.8	6.4
Total, 20 to 64 years of age	1,726	860	3.8	1.9	1,507	979	5.4	3.6
Married, spouse present	1,052	485	2.8	1.3	969	662	5.3	3.7
Widowed, divorced, or separated	144	83	5.9	3.6	288	184	5.5	3.6
Single (never married)	530	291	9.5	5.6	250	132	5.8	3.2
White, 16 years and over	2,064	1,062	4.5	2.4	1,754	1,098	6.2	4.0
Married, spouse present	1,013	459	2.8	1.3	922	618	5.4	3.7
Widowed, divorced, or separated	127	71	5.8	3.4	246	149	5.2	3.2
Single (never married)	925	532	11.5	7.1	586	331	9.2	5.4
White, 20 to 64 years of age	1,467	699	3.6	1.8	1,236	782	5.1	3.3
Married, spouse present	929	414	2.7	1.2	858	567	5.2	3.6
Widowed, divorced, or separated	109	61	5.7	3.3	199	121	4.8	3.0
Single (never married)	429	224	8.9	5.0	178	94	4.8	2.6
Negro and other races, 16 years and over	370	266	7.2	5.3	418	284	10.3	7.1
Married, spouse present	127	76	3.8	2.2	126	106	6.3	5.2
Widowed, divorced, or separated	36	24	6.4	4.3	99	64	8.3	5.6
Single (never married)	206	167	17.5	14.5	194	114	21.6	13.3
Negro and other races, 20 to 64 years of age	259	161	5.7	3.6	270	195	7.5	5.4
Married, spouse present	122	72	3.8	2.2	110	95	5.7	4.8
Widowed, divorced, or separated	35	23	6.6	4.5	89	62	8.1	5.7
Single (never married)	102	67	12.9	9.4	71	38	12.3	7.0

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

Occupation	Thousands of persons		Unemployment rates					
			Total		Male		Female	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total.....	4,607	2,710	5.5	3.3	4.8	2.7	6.7	4.4
White-collar workers.....	1,370	784	3.4	2.0	2.4	1.1	4.5	3.0
Professional and technical.....	253	116	2.2	1.0	2.1	.9	2.3	1.3
Managers, officials, and proprietors.....	140	76	1.6	.9	1.5	.7	2.3	1.9
Clerical workers.....	734	479	5.1	3.4	4.1	2.4	5.4	3.7
Sales workers.....	242	113	4.6	2.3	3.5	1.2	6.0	3.6
Blue-collar workers.....	2,011	1,142	6.8	3.9	6.1	3.4	10.0	6.2
Craftsmen and foremen.....	431	204	4.0	1.9	4.0	1.9	3.8	2.0
Carpenters and other construction craftsmen.....	183	103	6.0	3.5	5.9	3.4	(1)	(1)
All other.....	248	101	3.3	1.3	3.2	1.3	3.8	1.4
Operatives.....	1,177	671	7.9	4.4	6.7	3.5	10.4	6.4
Drivers and deliverymen.....	109	65	4.1	2.4	4.2	2.5	2.9	1.1
All other.....	1,068	606	8.7	4.9	7.5	3.8	10.5	6.5
Nonfarm laborers.....	403	267	10.0	6.9	9.9	6.8	13.4	9.2
Construction laborers.....	122	78	13.0	9.6	13.0	9.4	(1)	(1)
All other.....	281	189	9.1	6.2	8.9	6.1	12.8	7.8
Service workers.....	602	391	5.8	3.9	5.2	3.7	6.1	4.0
Private household.....	60	58	3.7	3.3	(1)	(1)	3.8	3.3
All other.....	542	333	6.2	4.0	5.3	3.7	6.7	4.3
Farmers and farm laborers.....	77	53	2.6	1.8	2.3	1.7	4.2	2.3
No previous work experience.....	547	339	--	--	--	--	--	--
16 to 19 years.....	429	276	--	--	--	--	--	--
20 to 24 years.....	68	35	--	--	--	--	--	--
25 years and over.....	50	28	--	--	--	--	--	--

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

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

Industry	Percent distribution		Unemployment rates					
			Total		Male		Female	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total.....	100.0	100.0	5.5	3.3	4.8	2.7	6.7	4.4
Private wage and salary workers.....	77.2	75.2	5.9	3.4	5.2	2.8	7.0	4.4
Mining.....	.2	.5	1.3	2.9	.9	3.2	(1)	(1)
Construction.....	7.3	7.2	8.7	5.2	8.8	5.2	6.0	5.1
Manufacturing.....	31.5	27.7	6.8	3.5	5.7	2.6	9.6	5.6
Durable goods.....	20.3	15.7	7.6	3.4	6.5	2.6	11.5	5.9
Primary metal industries.....	1.7	1.0	6.2	2.2	5.6	1.9	12.9	5.1
Fabricated metal products.....	3.2	1.8	8.7	2.8	6.5	2.1	17.0	5.5
Machinery.....	3.7	2.3	7.2	2.7	6.5	2.4	10.8	3.9
Electrical equipment.....	3.6	3.0	7.7	3.8	5.5	2.3	11.0	6.0
Motor vehicles and equipment.....	1.9	1.4	7.9	3.1	7.9	2.7	7.2	6.6
All other transportation equipment.....	2.3	2.4	9.4	4.9	8.6	3.5	14.6	13.0
Other durable goods industries.....	4.0	3.8	6.9	3.9	6.0	3.4	10.0	5.1
Nondurable goods.....	11.2	12.0	5.8	3.7	4.2	2.6	8.2	5.4
Food and kindred products.....	2.1	2.8	5.2	4.2	4.6	3.5	6.9	6.1
Textile mill products.....	1.3	1.7	5.6	4.7	3.9	3.5	7.4	5.9
Apparel and other finished textile products.....	3.1	3.2	9.7	6.1	10.7	9.0	9.5	5.4
Other nondurable goods industries.....	4.7	4.2	4.8	2.6	3.4	1.5	7.7	4.8
Transportation and public utilities.....	3.5	4.0	3.5	2.3	3.2	2.1	4.4	2.7
Railroads and railway express.....	.3	.3	2.4	1.1	2.8	.9	(1)	(1)
Other transportation.....	2.1	2.4	4.9	3.2	4.8	3.1	5.8	3.9
Communication and other public utilities.....	1.0	1.3	2.4	1.7	1.4	1.4	4.3	2.1
Wholesale and retail trade.....	17.9	18.2	5.8	3.7	4.5	2.8	7.6	4.9
Finance, insurance, and real estate.....	2.5	2.4	3.1	1.8	3.1	1.4	3.1	2.3
Service industries.....	14.4	15.2	5.4	3.4	4.9	2.8	5.7	3.8
Professional services.....	4.4	4.1	3.2	1.9	2.5	1.3	3.6	2.2
All other service industries.....	10.1	11.1	7.5	4.9	6.7	4.0	8.0	5.5
Agricultural wage and salary workers.....	2.2	2.4	8.9	6.0	8.4	5.7	11.1	7.4
All other classes of workers.....	8.7	9.8	1.9	1.3	1.6	.9	2.3	1.9
No previous work experience.....	11.9	12.5	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Male, 20 years and over		Female, 20 years and over		Both sexes, 16 to 19 years		White		Negro and other races	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Unemployment level												
Total unemployed, in thousands	4,607	2,710	1,815	909	1,557	994	1,235	807	3,818	2,160	788	550
Lost last job	2,082	939	1,211	524	617	309	255	106	1,744	759	339	180
Left last job	586	421	214	141	239	183	132	97	496	345	90	76
Reentered labor force	1,398	1,011	341	226	631	457	426	328	1,122	779	276	232
Never worked before	541	339	48	18	70	45	423	276	457	276	83	63
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	45.2	34.6	66.7	57.6	39.6	31.1	20.6	13.2	45.6	35.1	43.0	32.7
Left last job	12.7	15.5	11.8	15.5	15.4	18.4	10.7	12.0	13.0	16.0	11.4	13.7
Reentered labor force	30.3	37.3	18.8	24.9	40.5	46.0	34.5	40.6	29.4	36.1	35.0	42.1
Never worked before	11.7	12.5	2.6	2.0	4.5	4.6	34.2	34.2	12.0	12.8	10.6	11.4
Unemployment rate												
Total unemployment rate	5.5	3.3	3.8	2.0	5.4	3.5	17.8	11.9	5.2	3.0	8.6	6.1
Job-loser rate ¹	2.5	1.2	2.5	1.2	2.1	1.1	3.6	1.6	2.3	1.1	3.7	1.9
Job-leaver rate ¹ . . . . .	.7	.5	.5	.3	.8	.6	1.9	1.4	.7	.5	1.0	.8
Reentrant rate ¹	1.7	1.2	.7	.5	2.2	1.6	6.1	4.8	1.5	1.1	3.0	2.5
New entrant rate ¹ . . . . .	.6	.4	.1	--	.2	.2	6.1	4.1	.6	.4	.9	.7

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

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

November 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	4,607	100.0	49.6	34.8	15.6	9.5	6.1
Lost last job	2,082	100.0	44.1	37.9	18.0	9.4	8.6
Left last job	586	100.0	50.8	31.0	18.3	11.8	6.5
Reentered labor force	1,398	100.0	56.4	32.9	10.7	7.3	3.4
Never worked before	541	100.0	51.5	31.9	16.6	13.1	3.5
Male, 20 years and over	1,815	100.0	45.4	36.1	18.6	9.7	8.9
Lost last job	1,211	100.0	44.1	36.7	19.1	9.4	9.7
Left last job	214	100.0	44.9	33.6	21.5	13.1	8.4
Reentered labor force	341	100.0	49.7	35.4	14.9	8.5	6.4
Never worked before	48	100.0	(1)	(1)	(1)	(1)	(1)
Female, 20 years and over	1,557	100.0	51.6	32.6	15.8	9.8	6.0
Lost last job	617	100.0	40.0	39.4	20.5	11.3	9.2
Left last job	239	100.0	53.1	25.5	21.3	14.6	6.7
Reentered labor force	631	100.0	62.6	28.5	8.9	6.0	2.9
Never worked before	70	100.0	(1)	(1)	(1)	(1)	(1)
Both sexes, 16 to 19 years	1,235	100.0	53.2	35.6	11.2	8.9	2.3
Lost last job	255	100.0	53.7	40.1	6.3	4.7	1.6
Left last job	132	100.0	57.3	36.6	6.1	3.8	2.3
Reentered labor force	426	100.0	52.5	37.6	9.8	8.2	1.6
Never worked before	423	100.0	52.6	30.6	16.8	13.7	3.1

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

A-14: Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household head			
	Thousands		Percent distribution		Thousands		Percent distribution	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total.....	4,607	2,710	100.0	100.0	1,604	815	100.0	100.0
Less than 5 weeks.....	2,284	1,555	49.6	57.4	710	430	44.3	52.8
5 to 14 weeks.....	1,603	833	34.8	30.7	577	247	36.0	30.3
5 to 10 weeks.....	1,188	652	25.8	24.1	425	201	26.5	24.7
11 to 14 weeks.....	415	181	9.0	6.7	152	46	9.5	5.6
15 weeks and over.....	720	322	15.6	11.9	317	138	19.8	16.9
15 to 26 weeks.....	437	198	9.5	7.3	162	72	10.1	8.8
27 weeks and over.....	283	124	6.1	4.6	155	66	9.7	8.1
Average (mean) duration.....	9.1	7.8	--	--	10.9	9.7	--	--

A-15: Unemployed persons by duration, sex, age, color, and marital status
November 1970¹

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	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total	4,607	2,284	1,603	437	283	49.6	57.4	15.6	11.9
16 to 21 years.....	1,668	875	609	147	36	52.5	57.8	11.0	8.6
16 to 19 years.....	1,235	658	440	109	28	53.3	58.3	11.1	9.1
20 to 24 years.....	977	496	360	92	28	50.8	58.4	12.3	7.4
25 to 44 years.....	1,401	718	444	132	107	51.2	60.7	17.1	11.4
45 years and over.....	994	411	359	104	120	41.4	50.7	22.5	20.8
Male	2,434	1,126	895	236	178	46.2	55.6	17.0	13.7
16 to 21 years.....	849	413	330	83	23	48.6	58.9	12.5	9.0
16 to 19 years.....	619	303	240	60	17	48.9	59.7	12.4	9.5
20 to 24 years.....	556	279	206	53	18	50.3	59.0	12.7	8.2
25 to 44 years.....	691	330	234	63	63	47.8	57.9	18.2	12.8
45 years and over.....	568	214	214	61	79	37.6	45.0	24.7	24.8
Female	2,173	1,158	708	201	105	53.3	59.0	14.1	10.1
16 to 21 years.....	819	462	278	65	13	56.5	56.7	9.5	8.1
16 to 19 years.....	616	355	200	50	11	57.7	56.8	9.8	8.7
20 to 24 years.....	421	217	155	40	10	51.4	57.8	11.9	6.7
25 to 44 years.....	709	389	209	69	43	54.9	62.6	15.9	10.4
45 years and over.....	426	198	145	43	41	46.4	57.6	19.6	15.8
White: Total	3,818	1,910	1,312	364	232	50.0	58.6	15.6	11.3
Male.....	2,064	965	751	200	149	46.7	55.9	16.9	14.1
Female.....	1,754	945	561	164	84	53.9	61.4	14.1	8.6
Negro and other races: Total	788	374	290	74	50	47.4	52.4	15.7	14.2
Male.....	370	161	143	36	29	43.5	54.8	17.7	12.3
Female.....	418	213	147	37	21	50.8	50.1	14.0	15.9
Male: Married, wife present	1,140	528	398	120	94	46.3	53.4	18.8	16.6
Widowed, divorced, or separated.....	163	60	68	16	19	36.7	(1)	21.3	(1)
Single (never married).....	1,131	538	428	100	65	47.6	57.3	14.6	10.6
Female: Married, husband present	1,048	578	331	89	50	55.2	64.0	13.2	8.9
Widowed, divorced, or separated.....	345	167	116	33	30	48.2	54.4	18.2	16.0
Single (never married).....	780	414	261	80	26	53.0	53.2	13.5	9.3

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

A-16: Unemployed persons by duration, occupation, and industry of last job
November 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	Nov.	Nov.	Nov.	Nov.
						1970	1969	1970	1969
OCCUPATION									
White-collar workers	1,370	660	480	136	94	48.2	55.4	16.7	12.8
Professional and managerial	393	185	129	37	42	47.1	48.4	20.1	21.4
Clerical workers	734	358	257	85	33	48.8	56.4	16.2	10.2
Sales workers	242	117	94	13	18	48.3	63.1	12.9	9.2
Blue-collar workers	2,011	970	727	183	131	48.2	60.4	15.6	11.4
Craftsmen and foremen	431	207	147	42	34	48.1	65.7	17.7	11.4
Operatives	1,177	553	440	107	78	47.0	59.4	15.7	12.8
Nonfarm laborers	403	210	140	35	18	52.1	59.0	13.1	8.0
Service workers	602	327	193	44	37	54.4	54.0	13.5	10.4
INDUSTRY¹									
Agriculture	102	59	36	4	2	58.0	(2)	6.5	(2)
Construction	346	197	99	32	19	56.9	61.6	14.7	9.9
Manufacturing	1,455	649	542	158	107	44.6	56.3	18.2	15.1
Durable goods	941	372	383	106	79	39.6	55.3	19.7	16.9
Nondurable goods	514	277	159	51	28	53.8	57.7	15.4	12.7
Transportation and public utilities	175	92	59	5	19	52.3	56.9	13.9	7.6
Wholesale and retail trade	835	418	303	67	47	50.1	55.9	13.6	8.6
Finance and service industries	942	488	318	78	58	51.8	59.3	14.4	10.7
Public administration	124	51	47	17	8	40.8	48.3	20.8	(2)
No previous work experience	547	285	172	71	19	52.1	54.0	16.5	13.7

¹Includes wage and salary workers only.

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

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

Age and type of industry	Total		Male		Female	
	Nov.	Nov.	Nov.	Nov.	Nov.	Nov.
	1970	1969	1970	1969	1970	1969
All industries	78,741	78,716	48,635	48,739	30,106	29,978
16 to 19 years	5,720	5,980	3,115	3,197	2,606	2,783
16 and 17 years	2,343	2,484	1,318	1,405	1,025	1,079
18 and 19 years	3,377	3,497	1,796	1,792	1,581	1,705
20 to 24 years	9,840	9,477	5,266	5,015	4,573	4,462
25 to 54 years	49,101	49,120	31,331	31,426	17,769	17,695
25 to 34 years	16,561	16,102	11,012	10,790	5,548	5,312
35 to 44 years	15,929	16,293	10,148	10,389	5,781	5,904
45 to 54 years	16,611	16,725	10,171	10,247	6,440	6,479
55 to 64 years	11,021	10,970	6,896	6,978	4,125	3,993
55 to 59 years	6,619	6,589	4,108	4,117	2,511	2,472
60 to 64 years	4,402	4,381	2,788	2,861	1,614	1,520
65 years and over	3,060	3,168	2,027	2,123	1,033	1,046
Nonagricultural industries	75,515	75,395	45,971	46,017	29,544	29,378
16 to 19 years	5,435	5,670	2,868	2,922	2,567	2,748
16 and 17 years	2,184	2,296	1,188	1,240	996	1,055
18 and 19 years	3,251	3,375	1,680	1,682	1,571	1,693
20 to 24 years	9,632	9,279	5,088	4,850	4,544	4,429
25 to 54 years	47,450	47,413	30,014	30,118	17,436	17,296
25 to 34 years	16,131	15,655	10,663	10,446	5,468	5,210
35 to 44 years	15,362	15,709	9,701	9,953	5,661	5,756
45 to 54 years	15,957	16,049	9,650	9,719	6,307	6,330
55 to 64 years	10,388	10,306	6,373	6,407	4,015	3,899
55 to 59 years	6,294	6,246	3,851	3,828	2,443	2,418
60 to 64 years	4,094	4,060	2,522	2,579	1,572	1,481
65 years and over	2,610	2,726	1,627	1,720	983	1,005
Agriculture	3,226	3,322	2,664	2,722	562	600
16 to 19 years	285	310	246	275	39	35
16 and 17 years	159	188	130	165	28	23
18 and 19 years	126	122	116	110	10	12
20 to 24 years	207	198	178	165	30	33
25 to 54 years	1,651	1,707	1,317	1,310	334	397
25 to 34 years	430	447	349	345	81	102
35 to 44 years	567	584	447	437	120	147
45 to 54 years	654	676	521	528	133	148
55 to 64 years	633	664	523	570	110	94
55 to 59 years	325	344	258	289	68	54
60 to 64 years	308	321	266	281	43	39
65 years and over	450	443	400	402	50	41

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

(In thousands)

Occupation	Total		Male, 20 years and over		Female, 20 years and over		Male, 16-19 years		Female, 16-19 years	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total	78,741	78,716	45,520	45,542	27,500	27,194	3,115	3,197	2,606	2,783
White-collar workers	38,456	37,777	19,476	19,145	16,890	16,324	631	686	1,459	1,622
Professional and technical	11,413	11,148	6,789	6,795	4,466	4,166	80	106	78	81
Medical and other health	1,831	1,686	654	656	1,157	1,004	1	3	19	24
Teachers, except college.....	2,623	2,538	816	786	1,799	1,740	1	4	7	9
Other professional and technical	6,960	6,923	5,320	5,353	1,511	1,423	78	100	52	49
Managers, officials, and proprietors	8,353	8,123	6,913	6,794	1,380	1,276	42	41	17	13
Salaried workers	6,127	5,875	5,128	4,927	947	901	36	38	16	10
Self-employed workers in retail trade.....	1,104	1,041	823	812	275	228	4	-	1	2
Self-employed workers, except retail trade	1,122	1,207	962	1,055	159	147	1	3	-	2
Clerical workers	13,686	13,598	3,192	3,062	9,139	9,036	303	292	1,052	1,208
Stenographers, typists, and secretaries....	3,466	3,505	56	50	3,074	3,115	7	1	328	339
Other clerical workers	10,219	10,093	3,136	3,012	6,064	5,921	295	291	724	869
Sales workers.....	5,005	4,907	2,582	2,495	1,905	1,846	206	247	311	319
Retail trade.....	3,062	3,067	949	916	1,641	1,644	172	204	299	303
Other sales workers	1,943	1,840	1,632	1,579	264	202	34	43	12	16
Blue-collar workers	27,616	28,337	21,117	21,447	4,507	4,846	1,705	1,759	288	286
Craftsmen and foremen	10,244	10,320	9,656	9,701	329	334	245	267	14	19
Carpenters	865	925	850	905	3	1	11	18	-	-
Construction craftsmen, except carpenters	2,013	1,957	1,962	1,895	7	11	42	52	3	-
Mechanics and repairmen.....	2,771	2,707	2,615	2,553	38	31	117	118	1	5
Metal craftsmen, except mechanics	1,187	1,260	1,148	1,217	18	22	18	20	2	1
Other craftsmen and kindred workers	1,876	1,936	1,660	1,724	157	149	51	50	7	14
Foremen, not elsewhere classified	1,533	1,537	1,420	1,408	105	119	7	8	-	1
Operatives	13,747	14,433	8,674	9,022	4,068	4,403	753	774	252	233
Drivers and deliverymen	2,537	2,594	2,305	2,339	112	129	111	121	10	4
Other operatives	11,210	11,839	6,369	6,683	3,956	4,274	642	653	242	229
Durable goods manufacturing	4,415	4,943	2,956	3,297	1,248	1,411	157	164	56	72
Nondurable goods manufacturing	3,846	3,955	1,612	1,609	2,006	2,107	111	119	116	121
Other industries	2,948	2,942	1,801	1,778	702	756	374	371	71	37
Nonfarm laborers	3,626	3,584	2,786	2,723	110	108	707	718	21	34
Construction	811	742	709	661	3	1	100	79	-	-
Manufacturing	936	1,080	767	894	46	65	119	112	5	9
Other industries	1,878	1,762	1,311	1,168	62	42	489	527	17	25
Service workers	9,808	9,629	2,754	2,711	5,665	5,556	564	511	825	852
Private household workers	1,572	1,714	47	34	1,196	1,353	17	9	312	318
Service workers, except private household ..	8,236	7,915	2,707	2,677	4,470	4,203	546	501	512	534
Protective service workers	977	924	893	863	70	48	11	10	4	3
Waiters, cooks, and bartenders	2,253	2,172	423	412	1,435	1,358	130	136	265	266
Other service workers	5,005	4,819	1,391	1,402	2,965	2,797	405	355	244	265
Farm workers	2,860	2,973	2,173	2,239	438	468	215	242	34	24
Farmers and farm managers	1,701	1,726	1,618	1,656	73	62	11	8	-	-
Farm laborers and foremen	1,159	1,247	556	584	364	407	204	234	35	23
Paid workers	746	760	507	542	97	92	131	126	17	8
Unpaid family workers	407	479	48	41	268	314	73	108	18	15

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

(Percent distribution)

Occupation group and color	Total		Male		Female	
	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total						
Total employed (thousands)	78,741	78,716	48,635	48,739	30,106	29,978
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.8	48.0	41.3	40.7	60.9	59.9
Professional and technical	14.5	14.2	14.1	14.2	15.1	14.2
Managers, officials, and proprietors	10.6	10.3	14.3	14.0	4.6	4.3
Clerical workers	17.4	17.3	7.2	6.9	33.9	34.2
Sales workers	6.4	6.2	5.7	5.6	7.4	7.2
Blue-collar workers	35.1	36.0	46.9	47.6	15.9	17.1
Craftsmen and foremen	13.0	13.1	20.4	20.4	1.1	1.2
Operatives	17.5	18.3	19.4	20.1	14.3	15.5
Nonfarm laborers	4.6	4.6	7.2	7.1	.4	.5
Service workers	12.5	12.2	6.8	6.6	21.6	21.4
Private household workers	2.0	2.2	.1	.1	5.0	5.6
Other service workers	10.5	10.1	6.7	6.5	16.5	15.8
Farm workers	3.6	3.8	4.9	5.1	1.6	1.6
Farmers and farm managers	2.2	2.2	3.3	3.4	.2	.2
Farm laborers and foremen	1.5	1.6	1.6	1.7	1.3	1.4
White						
Total employed (thousands)	70,319	70,172	43,870	43,938	26,449	26,235
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.3	50.6	43.5	42.9	64.2	63.3
Professional and technical	15.1	14.8	14.8	14.9	15.7	14.7
Managers, officials, and proprietors	11.4	11.2	15.3	15.1	5.0	4.7
Clerical workers	17.9	17.8	7.2	6.8	35.6	36.1
Sales workers	6.8	6.7	6.1	6.1	8.0	7.8
Blue-collar workers	34.2	35.1	45.4	46.2	15.6	16.6
Craftsmen and foremen	13.6	13.6	21.1	21.0	1.2	1.2
Operatives	16.7	17.6	18.3	19.2	14.0	14.9
Nonfarm laborers	4.0	3.9	6.1	6.0	.4	.5
Service workers	10.9	10.5	6.2	5.8	18.6	18.3
Private household workers	1.3	1.4	.1	.1	3.4	3.7
Other service workers	9.5	9.1	6.1	5.8	15.2	14.7
Farm workers	3.6	3.8	4.9	5.1	1.5	1.7
Farmers and farm managers	2.3	2.4	3.5	3.6	.3	.2
Farm laborers and foremen	1.3	1.5	1.4	1.5	1.3	1.5
Negro and other races						
Total employed (thousands)	8,422	8,544	4,765	4,801	3,656	3,743
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	28.4	27.0	21.7	20.3	37.1	35.5
Professional and technical	9.2	8.6	7.9	7.1	10.9	10.6
Managers, officials, and proprietors	3.9	3.0	5.1	4.0	2.3	1.7
Clerical workers	12.9	13.1	6.6	7.4	21.2	20.5
Sales workers	2.3	2.2	2.0	1.7	2.7	2.9
Blue-collar workers	42.3	43.2	60.6	60.9	18.4	20.5
Craftsmen and foremen	8.2	9.0	13.8	15.5	1.0	.8
Operatives	24.1	24.4	29.7	28.4	16.8	19.2
Nonfarm laborers	10.0	9.8	17.1	17.0	.7	.5
Service workers	25.7	26.5	12.7	13.8	42.7	42.8
Private household workers	7.5	8.5	.4	.3	16.7	19.0
Other service workers	18.2	18.0	12.2	13.5	26.0	23.8
Farm workers	3.6	3.4	5.0	5.0	1.8	1.2
Farmers and farm managers	1.1	.9	1.9	1.5	.1	(1)
Farm laborers and foremen	2.6	2.5	3.1	3.5	1.8	1.2

¹ Less than 0.05

A-20: Employed persons by class of worker, sex, and age
 November 1970
 (In thousands)

Age and sex	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total	69,617	1,754	12,788	55,075	5,355	543	1,041	1,760	425
16 to 19 years.....	5,334	373	476	4,485	68	34	182	10	92
16 and 17 years.....	2,115	284	152	1,679	48	21	93	5	61
18 and 19 years.....	3,219	90	323	2,806	20	13	89	5	32
20 to 24 years.....	9,428	96	1,641	7,691	186	18	129	50	29
25 to 34 years.....	15,240	153	2,816	12,270	815	76	183	194	53
35 to 44 years.....	14,034	225	2,707	11,102	1,194	134	193	300	74
45 to 54 years.....	14,405	325	3,020	11,060	1,382	170	155	413	85
55 to 64 years.....	9,124	345	1,829	6,950	1,177	86	127	436	70
55 to 59 years.....	5,539	179	1,102	4,258	690	65	73	207	45
60 to 64 years.....	3,585	166	727	2,692	487	22	54	229	25
65 years and over.....	2,053	236	300	1,516	533	24	72	357	21
Male	41,926	193	6,815	34,918	3,990	55	865	1,677	122
16 to 19 years.....	2,799	56	204	2,540	44	25	160	12	74
16 and 17 years.....	1,135	52	67	1,016	35	18	78	6	46
18 and 19 years.....	1,664	4	137	1,523	9	7	82	5	28
20 to 24 years.....	4,970	9	633	4,328	110	9	109	48	21
25 to 34 years.....	10,082	11	1,594	8,476	571	10	151	186	12
35 to 44 years.....	8,775	13	1,532	7,230	925	2	147	296	3
45 to 54 years.....	8,585	18	1,687	6,881	1,060	4	131	388	2
55 to 64 years.....	5,497	46	978	4,473	876	--	106	413	4
55 to 59 years.....	3,339	23	595	2,722	512	--	62	194	1
60 to 64 years.....	2,158	23	383	1,751	364	--	44	218	3
65 years and over.....	1,217	40	188	989	404	6	61	335	5
Female	27,691	1,561	5,973	20,157	1,366	487	176	83	302
16 to 19 years.....	2,534	317	272	1,945	24	9	22	--	18
16 and 17 years.....	980	232	85	662	13	3	15	--	15
18 and 19 years.....	1,554	85	187	1,283	11	5	7	--	3
20 to 24 years.....	4,458	87	1,008	3,363	76	10	20	2	8
25 to 34 years.....	5,157	142	1,221	3,794	244	66	33	8	41
35 to 44 years.....	5,259	212	1,175	3,872	269	132	46	4	71
45 to 54 years.....	5,820	307	1,333	4,179	322	166	24	26	83
55 to 64 years.....	3,627	299	851	2,477	302	87	21	23	66
55 to 59 years.....	2,200	157	507	1,536	178	65	11	13	44
60 to 64 years.....	1,426	142	343	941	123	22	10	11	22
65 years and over.....	836	196	112	527	129	19	11	22	16

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

(In thousands)

Reason not working	All industries		Nonagricultural industries					
	Nov. 1970	Nov. 1969	Total		Wage and salary workers ¹			
			Nov. 1970	Nov. 1969	Paid absence ²		Unpaid absence ²	
					Nov. 1970	Nov. 1969	Nov. 1970	Nov. 1969
Total	3,302	2,914	3,172	2,795	1,200	1,111	1,600	1,364
Vacation	891	811	870	795	672	598	145	134
Illness	1,295	1,298	1,260	1,258	419	414	715	701
Bad weather	108	79	70	49	--	--	--	--
Industrial dispute	324	174	324	174	--	--	--	--
All other reasons	685	554	649	520	108	99	740	530
Male	2,048	1,919	1,931	1,806	785	796	919	798
Vacation	596	575	577	560	472	441	73	73
Illness	752	832	718	794	249	288	394	419
All other reasons	700	512	636	452	64	66	451	306
Female	1,254	995	1,242	989	415	315	680	567
Vacation	295	236	293	235	201	158	71	61
Illness	543	465	542	464	171	126	320	282
All other reasons	416	294	407	290	44	31	289	224

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

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

November 1970

Hours of work	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total at work	75,439	72,343	3,096	100.0	100.0	100.0
1-34 hours	23,031	21,993	1,040	30.5	30.4	33.6
1-4 hours	817	755	62	1.1	1.0	2.0
5-14 hours	3,744	3,486	258	5.0	4.8	8.3
15-29 hours	8,998	8,460	539	11.9	11.7	17.4
30-34 hours	9,472	9,292	181	12.6	12.8	5.8
35 hours and over	52,407	50,351	2,056	69.5	69.6	66.4
35-39 hours	4,785	4,652	133	6.3	6.4	4.3
40 hours	27,422	27,052	370	36.3	37.4	12.0
41 hours and over	20,200	18,647	1,553	26.8	25.8	50.2
41 to 48 hours	8,234	7,962	272	10.9	11.0	8.8
49 to 59 hours	6,356	5,964	392	8.4	8.2	12.7
60 hours and over	5,610	4,721	889	7.4	6.5	28.7
Average hours, total at work	38.4	38.1	44.1	--	--	--
Average hours, workers on full-time schedules	42.6	42.1	53.2	--	--	--

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

November 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.....	23,033	11,155	11,878	21,992	10,783	11,209
Economic reasons.....	2,353	1,250	1,103	2,134	1,119	1,015
Slack work.....	1,346	981	365	1,194	859	335
Material shortages or repairs to plant and equipment.....	53	53	--	54	54	--
New job started during week.....	151	151	--	143	143	--
Job terminated during week.....	64	64	--	64	64	--
Could find only part-time work.....	738	--	738	680	--	680
Other reasons.....	20,678	9,903	10,775	19,861	9,667	10,194
Does not want, or unavailable for, full-time work.....	8,695	--	8,695	8,280	--	8,280
Vacation.....	510	510	--	498	498	--
Illness.....	1,633	1,342	291	1,563	1,329	234
Bad weather.....	548	548	--	399	399	--
Industrial dispute.....	20	20	--	19	19	--
Legal or religious holiday.....	6,448	6,448	--	6,438	6,438	--
Full time for this job.....	1,209	--	1,209	1,174	--	1,174
All other reasons.....	1,618	1,038	580	1,489	983	506
Average hours:						
Economic reasons.....	21.9	24.3	19.1	22.2	24.7	19.4
Other reasons.....	23.0	29.0	17.5	23.2	29.1	17.5
Worked 30 to 34 hours:						
Economic reasons.....	735	524	211	689	491	198
Other reasons.....	8,737	7,302	1,435	8,603	7,235	1,368

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

November 1970

Industry	Percent distribution							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total ^{1/}	100.0	2.9	14.1	83.0	57.2	11.0	14.8	38.1	42.1
Wage and salary workers.....	100.0	2.9	13.8	83.3	59.6	11.0	12.7	37.6	41.5
Construction.....	100.0	4.8	4.0	91.2	72.1	9.2	9.9	37.2	38.9
Manufacturing.....	100.0	3.3	3.2	93.5	69.3	13.0	11.2	40.1	41.4
Durable goods.....	100.0	2.4	2.4	95.3	71.7	12.3	11.3	40.6	41.4
Nondurable goods.....	100.0	4.6	4.2	91.2	66.2	13.9	11.1	39.5	41.2
Transportation and public utilities.....	100.0	1.8	6.4	91.8	66.5	11.4	13.9	39.7	41.5
Wholesale and retail trade.....	100.0	3.0	25.0	72.0	43.0	13.4	15.6	36.7	43.6
Finance, insurance, and real estate.....	100.0	.6	10.0	89.4	67.4	8.6	13.3	38.2	40.4
Service industries.....	100.0	3.2	24.1	72.6	51.2	8.8	12.6	35.0	42.1
Private households.....	100.0	12.2	52.2	35.6	22.5	4.3	8.8	24.8	45.2
All other service.....	100.0	2.3	21.2	76.5	54.2	9.3	13.0	36.1	41.9
Public administration.....	100.0	.6	6.1	93.3	76.8	5.8	10.6	36.6	37.8
Self-employed workers.....	100.0	3.8	14.6	81.5	28.6	11.8	41.2	44.6	50.8
Unpaid family workers.....	100.0	2.0	41.7	56.1	22.1	9.0	24.9	37.2	48.8

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

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

November 1970

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
(In thousands)								
TOTAL								
Total, 16 years and over.....	72,343	2,134	10,194	60,015	41,368	18,647	38.1	42.1
16 to 21 years.....	8,633	402	3,631	4,600	3,594	1,006	28.6	40.0
16 to 19 years.....	5,299	263	2,911	2,125	1,679	446	25.0	39.6
16 and 17 years.....	2,132	76	1,815	241	194	47	17.0	38.9
18 and 19 years.....	3,166	187	1,097	1,882	1,483	399	30.4	39.7
20 years and over.....	67,044	1,871	7,283	57,890	39,689	18,201	39.1	42.2
20 to 24 years.....	9,272	316	1,332	7,624	5,719	1,905	36.7	40.7
25 years and over.....	57,772	1,555	5,951	50,266	33,970	16,296	39.5	42.4
25 to 44 years.....	30,327	707	2,780	26,840	17,837	9,003	40.1	42.7
45 to 64 years.....	25,039	776	2,239	22,024	15,245	6,779	39.5	42.1
65 years and over.....	2,407	74	931	1,402	890	512	32.4	43.6
Males, 16 years and over.....	44,040	1,006	3,271	39,763	24,833	14,930	41.0	43.5
16 to 21 years.....	4,360	189	1,861	2,310	1,628	682	29.6	41.3
16 to 19 years.....	2,776	129	1,513	1,134	806	328	26.3	40.9
16 and 17 years.....	1,148	40	953	155	119	36	18.8	40.2
18 and 19 years.....	1,628	90	560	978	685	293	31.6	41.0
20 years and over.....	41,264	876	1,758	38,630	24,028	14,602	42.0	43.6
20 to 24 years.....	4,898	151	608	4,139	2,779	1,360	38.5	42.3
25 years and over.....	36,366	725	1,150	34,491	21,249	13,242	42.5	43.8
25 to 44 years.....	19,663	328	326	19,009	11,342	7,667	43.3	44.1
45 to 64 years.....	15,205	357	329	14,519	9,308	5,211	42.2	43.2
65 years and over.....	1,498	42	494	962	600	362	33.8	43.5
Females, 16 years and over.....	28,303	1,129	6,923	20,251	16,535	3,716	33.5	39.5
16 to 21 years.....	4,273	213	1,770	2,290	1,966	324	27.6	38.6
16 to 19 years.....	2,522	134	1,398	990	872	118	23.6	38.2
16 and 17 years.....	984	37	862	85	73	12	14.8	36.6
18 and 19 years.....	1,538	97	536	905	800	105	29.1	38.3
20 years and over.....	25,780	995	5,525	19,260	15,662	3,598	34.4	39.6
20 to 24 years.....	4,375	166	724	3,485	2,940	545	34.6	38.9
25 years and over.....	21,405	829	4,801	15,775	12,722	3,053	34.4	39.8
25 to 44 years.....	10,664	378	2,453	7,833	6,496	1,337	33.9	39.3
45 to 64 years.....	9,833	420	1,910	7,503	5,936	1,567	35.4	40.0
65 years and over.....	909	32	437	440	292	148	30.0	44.0
COLOR								
White.....	64,645	1,676	9,259	53,710	36,358	17,352	38.3	42.3
Male.....	39,771	810	2,989	35,972	21,970	14,002	41.3	43.7
Female.....	24,874	866	6,271	17,737	14,387	3,350	33.5	39.6
Negro and other races.....	7,698	458	935	6,305	5,010	1,295	36.6	40.5
Male.....	4,269	196	283	3,790	2,861	929	39.0	41.5
Female.....	3,429	264	652	2,513	2,147	366	33.6	39.1
MARITAL STATUS								
Male:								
Married, wife present.....	34,532	643	1,023	32,866	20,105	12,761	42.6	43.7
Widowed, divorced, or separated.....	2,285	87	149	2,049	1,336	713	40.4	43.0
Single (never married).....	7,223	276	2,099	4,848	3,392	1,456	33.7	42.1
Female:								
Married, husband present.....	16,840	603	4,226	12,011	9,915	2,096	33.6	39.3
Widowed, divorced, or separated.....	5,246	297	837	4,112	3,214	898	36.0	40.6
Single (never married).....	6,216	228	1,859	4,129	3,407	722	31.0	39.1

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

November 1970

Age, sex, color and marital status	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules		
				Total	40 hours or less	41 hours or more
(Percent distribution)						
TOTAL						
Total, 16 years and over	100.0	2.9	14.1	83.0	57.2	25.8
16 to 21 years	100.0	4.7	42.1	53.3	41.6	11.7
16 to 19 years	100.0	5.0	54.9	40.1	31.7	8.4
16 and 17 years	100.0	3.6	85.1	11.3	9.1	2.2
18 and 19 years	100.0	5.9	34.6	59.4	46.8	12.6
20 years and over	100.0	2.8	10.9	86.3	59.2	27.1
20 to 24 years	100.0	3.4	14.4	82.2	61.7	20.5
25 years and over	100.0	2.7	10.3	87.0	58.8	28.2
25 to 44 years	100.0	2.3	9.2	88.5	58.8	29.7
45 to 64 years	100.0	3.1	8.9	88.0	60.9	27.1
65 years and over	100.0	3.1	38.7	58.2	37.0	21.3
Males, 16 years and over	100.0	2.3	7.4	90.3	56.4	33.9
16 to 21 years	100.0	4.3	42.7	53.0	37.3	15.6
16 and 19 years	100.0	4.6	54.5	40.9	29.0	11.8
16 and 17 years	100.0	3.5	83.0	13.5	10.4	3.1
18 and 19 years	100.0	5.5	34.4	60.1	42.1	18.0
20 years and over	100.0	2.1	4.3	93.6	58.2	35.4
20 to 24 years	100.0	3.1	12.4	84.5	56.7	27.8
25 years and over	100.0	2.0	3.2	94.8	58.4	36.4
25 to 44 years	100.0	1.7	1.7	96.7	57.7	39.0
45 to 64 years	100.0	2.3	2.2	95.5	61.2	34.3
65 years and over	100.0	2.8	33.0	64.2	40.1	24.2
Females, 16 years and over	100.0	4.0	24.5	71.6	58.4	13.1
16 to 21 years	100.0	5.0	41.4	53.6	46.0	7.6
16 to 19 years	100.0	5.3	55.4	39.3	34.6	4.7
16 and 17 years	100.0	3.8	87.6	8.6	7.4	1.2
18 and 19 years	100.0	6.3	34.9	58.8	52.0	6.8
20 years and over	100.0	3.9	21.4	74.7	60.8	14.0
20 to 24 years	100.0	3.8	16.5	79.7	67.2	12.5
25 years and over	100.0	3.9	22.4	73.7	59.4	14.3
25 to 44 years	100.0	3.5	23.0	73.5	60.9	12.5
45 to 64 years	100.0	4.3	19.4	76.3	60.4	15.9
65 years and over	100.0	3.5	48.1	48.4	32.1	16.3
COLOR						
White	100.0	2.6	14.3	83.1	56.2	26.8
Male	100.0	2.0	7.5	90.4	55.2	35.2
Female	100.0	3.5	25.2	71.3	57.8	13.5
Negro and other races	100.0	5.9	12.1	81.9	65.1	16.8
Male	100.0	4.6	6.6	88.8	67.0	21.8
Female	100.0	7.7	19.0	73.3	62.6	10.7
MARITAL STATUS						
Male:						
Married, wife present	100.0	1.9	3.0	95.2	58.2	37.0
Widowed, divorced, or separated	100.0	3.8	6.5	89.7	58.5	31.2
Single (never married)	100.0	3.8	29.1	67.1	47.0	20.2
Female:						
Married, husband present	100.0	3.6	25.1	71.3	58.9	12.4
Widowed, divorced, or separated	100.0	5.7	16.0	78.4	61.3	17.1
Single (never married)	100.0	3.7	29.9	66.4	54.8	11.6

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

November 1970

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
(Thousands of persons)									
TOTAL									
White-collar workers	37,097	441	5,351	31,305	20,831	3,788	6,686	38.8	42.6
Professional and technical	11,057	94	1,393	9,570	6,300	1,169	2,101	39.1	42.5
Managers, officials, and proprietors	8,047	64	317	7,666	3,436	1,170	3,060	46.5	47.8
Clerical workers	13,177	186	2,351	10,640	9,087	903	650	34.8	38.5
Sales workers	4,816	98	1,289	3,429	2,010	546	874	36.2	43.8
Blue-collar workers	26,169	1,189	1,806	23,174	16,696	3,391	3,087	38.9	41.4
Craftsmen and foremen	9,756	251	321	9,184	6,529	1,397	1,258	40.0	41.2
Operatives	12,957	716	883	11,358	8,129	1,675	1,554	39.4	41.9
Nonfarm laborers	3,456	223	602	2,631	2,036	319	276	34.4	39.8
Service workers	9,423	517	3,112	5,794	3,972	821	1,000	33.0	43.0
Private household	1,520	167	816	537	336	67	134	24.9	45.1
Other service workers	7,903	351	2,296	5,256	3,634	755	867	34.6	42.8
MALE									
White-collar workers	19,471	162	1,279	18,030	9,853	2,571	5,606	43.1	45.2
Professional and technical	6,690	39	438	6,213	3,814	742	1,658	41.9	43.8
Managers, officials, and proprietors	6,698	50	158	6,490	2,720	1,009	2,760	47.5	48.4
Clerical workers	3,363	44	365	2,954	2,161	392	401	37.9	40.6
Sales workers	2,720	29	318	2,373	1,159	427	787	41.9	45.5
Blue-collar workers	21,628	779	1,344	19,505	13,609	2,932	2,963	39.6	41.8
Craftsmen and foremen	9,431	242	271	8,918	6,332	1,349	1,237	40.1	41.2
Operatives	8,870	326	503	8,041	5,309	1,275	1,458	41.0	43.1
Nonfarm laborers	3,327	211	571	2,545	1,970	308	267	34.4	39.8
Service workers	3,204	75	684	2,445	1,476	371	598	38.2	44.9
Private household	65	2	30	33	14	3	15	30.9	47.2
Other service workers	3,139	73	654	2,412	1,461	369	583	38.4	44.9
FEMALE									
White-collar workers	17,626	280	4,071	13,275	10,978	1,217	1,080	34.0	39.1
Professional and technical	4,367	55	955	3,357	2,488	427	442	34.7	40.1
Managers, officials, and proprietors	1,349	14	159	1,176	716	160	300	41.6	44.6
Clerical workers	9,814	142	1,986	7,686	6,924	512	250	33.7	37.7
Sales workers	2,096	69	971	1,056	851	118	87	28.9	39.9
Blue-collar workers	4,541	410	462	3,669	3,085	459	124	35.9	39.2
Craftsmen and foremen	325	8	50	267	198	48	21	37.0	40.4
Operatives	4,087	390	380	3,317	2,821	400	95	35.8	39.1
Nonfarm laborers	129	12	32	85	67	10	8	33.7	41.1
Service workers	6,219	442	2,428	3,349	2,496	450	403	30.3	41.7
Private household	1,455	164	785	506	323	64	118	24.7	45.0
Other service workers	4,764	278	1,643	2,843	2,173	386	284	32.0	41.1

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

November 1970

Occupation group and sex	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			
				Total	40 hours or less	41 to 48 hours	49 hours or more
(Percent distribution)							
TOTAL							
White-collar workers	100.0	1.2	14.4	84.4	56.2	10.2	18.0
Professional and technical	100.0	.9	12.6	86.6	57.0	10.6	19.0
Managers, officials, and proprietors	100.0	.8	3.9	95.3	42.7	14.5	38.0
Clerical workers	100.0	1.4	17.8	80.7	69.0	6.9	4.9
Sales workers	100.0	2.0	26.8	71.2	41.7	11.3	18.1
Blue-collar workers	100.0	4.5	6.9	88.6	63.8	13.0	11.8
Craftsmen and foremen	100.0	2.6	3.3	94.1	66.9	14.3	12.9
Operatives	100.0	5.5	6.8	87.7	62.7	12.9	12.0
Nonfarm laborers	100.0	6.5	17.4	76.1	58.9	9.2	8.0
Service workers	100.0	5.5	33.0	61.5	42.2	8.7	10.6
Private household	100.0	11.0	53.7	35.3	22.1	4.4	8.8
Other service workers	100.0	4.4	29.1	66.5	46.0	9.6	11.0
MALE							
White-collar workers	100.0	.8	6.6	92.6	50.6	13.2	28.8
Professional and technical	100.0	.6	6.5	92.9	57.0	11.1	24.8
Managers, officials, and proprietors	100.0	.7	2.4	96.9	40.6	15.1	41.2
Clerical workers	100.0	1.3	10.9	87.8	64.3	11.7	11.9
Sales workers	100.0	1.1	11.7	87.2	42.6	15.7	28.9
Blue-collar workers	100.0	3.6	6.2	90.2	62.9	13.6	13.7
Craftsmen and foremen	100.0	2.6	2.9	94.6	67.1	14.3	13.1
Operatives	100.0	3.7	5.7	90.7	59.9	14.4	16.4
Nonfarm laborers	100.0	6.3	17.2	76.5	59.2	9.3	8.0
Service workers	100.0	2.3	21.3	76.3	46.1	11.6	18.7
Private household	100.0	3.1	46.2	50.8	21.5	4.6	23.1
Other service workers	100.0	2.3	20.8	76.8	46.5	11.8	18.6
FEMALE							
White-collar workers	100.0	1.6	23.1	75.3	62.3	6.9	6.1
Professional and technical	100.0	1.3	21.9	76.9	57.0	9.8	10.1
Managers, officials, and proprietors	100.0	1.0	11.8	87.2	53.1	11.9	22.2
Clerical workers	100.0	1.4	20.2	78.3	70.6	5.2	2.5
Sales workers	100.0	3.3	46.3	50.4	40.6	5.6	4.2
Blue-collar workers	100.0	9.0	10.2	80.8	67.9	10.1	2.7
Craftsmen and foremen	100.0	2.5	15.4	82.2	60.9	14.8	6.5
Operatives	100.0	9.5	9.3	81.2	69.0	9.8	2.3
Nonfarm laborers	100.0	9.3	24.8	65.9	51.9	7.8	6.2
Service workers	100.0	7.1	39.0	53.9	40.1	7.2	6.5
Private household	100.0	11.3	54.0	34.8	22.2	4.4	8.1
Other service workers	100.0	5.8	34.5	59.7	45.6	8.1	6.0

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

November 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.....	8,033	4,071	3,961	6,893	3,505	3,388	1,139	566	573
Civilian labor force.....	1,310	687	622	1,224	635	588	86	52	34
Employed.....	1,166	594	572	1,108	558	550	58	36	22
Agriculture.....	113	99	14	105	93	13	8	7	1
Nonagricultural industries.....	1,053	494	558	1,003	466	537	50	29	21
Unemployed.....	144	93	50	115	77	38	28	16	12
Not in labor force.....	6,723	3,384	3,339	5,670	2,870	2,799	1,053	514	539
Keeping house.....	38	6	32	35	7	28	3	--	3
Going to school.....	6,582	3,325	3,257	5,555	2,830	2,725	1,027	495	532
Unable to work.....	9	--	9	7	--	7	2	--	2
All other reasons.....	94	53	41	73	34	39	21	19	2

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

November 1970

Characteristics	Thousands of persons			Percent distribution		
	Both sexes	Male	Female	Both sexes	Male	Female
CLASS OF WORKER						
Total.....	1,166	594	572	100.0	100.0	100.0
Nonagricultural industries.....	1,053	494	558	90.3	83.3	97.7
Wage and salary workers.....	957	408	549	82.1	68.7	96.1
Private household workers.....	482	66	416	41.3	11.1	72.9
Government workers.....	35	21	14	3.0	3.5	2.5
Other wage and salary workers.....	441	321	119	37.8	54.0	20.8
Self-employed workers.....	87	78	9	7.5	13.1	1.6
Unpaid family workers.....	9	9	--	.8	1.5	--
Agriculture.....	113	99	14	9.7	16.7	2.3
Wage and salary workers.....	51	48	3	4.4	8.1	.5
Self-employed workers.....	3	3	--	.3	.5	--
Unpaid family workers.....	59	48	10	5.1	8.1	1.8
OCCUPATION						
Total.....	1,166	594	572	100.0	100.0	100.0
White-collar workers.....	281	213	68	24.2	35.8	11.9
Professional and technical.....	16	7	9	1.4	1.2	1.6
Managers, officials, and proprietors.....	3	1	2	.3	.2	.3
Clerical workers.....	39	13	26	3.3	2.2	4.5
Sales workers.....	224	192	31	19.2	32.3	5.4
Blue-collar workers.....	178	162	16	15.2	27.2	2.8
Craftsmen and foremen.....	12	11	2	1.0	1.8	.3
Operatives.....	45	39	6	3.9	6.6	1.0
Nonfarm laborers.....	120	112	8	10.3	18.8	1.4
Service workers.....	598	124	474	51.3	20.8	82.9
Private household workers.....	438	24	414	37.6	4.0	72.3
Other service workers.....	160	100	61	13.7	16.8	10.6
Farm workers.....	109	95	14	9.3	16.1	2.4
Farmers and farm managers.....	4	4	1	.3	.7	.2
Farm laborers and foremen.....	105	92	13	9.0	15.5	2.3

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	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Total													
Total labor force	86,432	86,432	86,140	85,810	85,967	85,304	85,783	86,143	86,087	85,590	85,599	85,023	84,872
Civilian labor force	83,393	83,353	83,031	82,676	82,813	82,125	82,555	82,872	82,769	82,249	82,213	81,583	81,379
Employed	78,535	78,686	78,424	78,445	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528
Agriculture	3,333	3,288	3,399	3,420	3,519	3,554	3,613	3,586	3,550	3,499	3,426	3,435	3,434
Nonagricultural industries	75,202	75,398	75,025	75,025	75,119	74,671	74,836	75,338	75,562	75,323	75,615	75,302	75,094
On part time for economic reasons	2,330	2,423	2,110	2,298	2,326	2,105	2,249	2,360	1,936	1,821	1,915	1,858	1,830
Usually work full time	1,201	1,342	1,029	1,329	1,240	1,126	1,253	1,400	1,093	1,044	1,036	1,046	1,005
Usually work part time	1,129	1,081	1,081	969	1,086	979	996	960	843	777	879	812	825
Unemployed	4,858	4,667	4,607	4,231	4,175	3,900	4,106	3,948	3,657	3,427	3,172	2,846	2,851
Men, 20 years and over													
Total labor force	50,139	50,173	50,136	49,905	50,024	49,906	50,020	50,032	49,920	49,707	49,736	49,534	49,544
Civilian labor force	47,503	47,502	47,439	47,178	47,294	47,154	47,226	47,199	47,060	46,836	46,826	46,578	46,531
Employed	45,511	45,538	45,522	45,424	45,524	45,521	45,593	45,667	45,709	45,534	45,674	45,553	45,533
Agriculture	2,452	2,451	2,510	2,523	2,593	2,603	2,625	2,602	2,537	2,479	2,473	2,499	2,482
Nonagricultural industries	43,059	43,087	43,012	42,901	42,931	42,918	42,968	43,065	43,172	43,055	43,201	43,054	43,051
Unemployed	1,992	1,964	1,917	1,754	1,770	1,633	1,633	1,532	1,351	1,302	1,152	1,025	998
Women, 20 years and over													
Civilian labor force	28,541	28,534	28,200	28,447	28,500	28,026	27,885	28,274	28,295	28,066	28,073	27,875	27,671
Employed	26,962	27,082	26,750	27,092	27,073	26,772	26,476	27,022	27,016	26,925	27,060	26,897	26,663
Agriculture	514	505	507	514	545	573	567	571	583	630	586	585	555
Nonagricultural industries	26,448	26,577	26,243	26,578	26,528	26,199	25,909	26,451	26,433	26,295	26,474	26,312	26,108
Unemployed	1,579	1,452	1,450	1,355	1,427	1,254	1,409	1,252	1,279	1,141	1,013	978	1,008
Both sexes, 16-19 years													
Civilian labor force	7,349	7,317	7,392	7,051	7,019	6,945	7,444	7,399	7,414	7,347	7,314	7,130	7,177
Employed	6,062	6,066	6,152	5,929	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332
Agriculture	367	332	382	383	381	378	421	413	430	390	367	351	397
Nonagricultural industries	5,695	5,734	5,770	5,546	5,660	5,554	5,959	5,822	5,957	5,973	5,940	5,936	5,935
Unemployed	1,287	1,251	1,240	1,122	978	1,013	1,064	1,164	1,027	984	1,007	843	845

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.

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

(Numbers in thousands)

Full- and part-time employment status, sex, and age	1970											1969	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Full time													
Total, 16 years and over:													
Civilian labor force	71,808	71,608	71,445	71,086	71,132	70,653	71,116	70,810	70,557	70,407	70,623	70,269	70,184
Employed	67,879	68,048	67,900	67,778	67,855	67,585	67,742	67,720	67,707	67,781	68,235	68,017	68,039
Unemployed	3,929	3,560	3,545	3,308	3,277	3,068	3,374	3,090	2,850	2,626	2,388	2,252	2,145
Unemployment rate	5.5	5.0	5.0	4.7	4.6	4.3	4.7	4.4	4.0	3.7	3.4	3.2	3.1
Men, 20 years and over:													
Civilian labor force	45,229	45,209	45,120	44,896	45,042	44,966	45,061	44,898	44,715	44,536	44,604	44,486	44,420
Employed	43,402	43,448	43,403	43,339	43,403	43,476	43,554	43,487	43,460	43,348	43,561	43,506	43,515
Unemployed	1,827	1,761	1,717	1,557	1,639	1,490	1,507	1,411	1,255	1,188	1,043	980	905
Unemployment rate	4.0	3.9	3.8	3.5	3.6	3.3	3.3	3.1	2.8	2.7	2.3	2.2	2.0
Women, 20 years and over:													
Civilian labor force	22,467	22,436	22,233	22,439	22,295	22,050	21,937	22,054	21,982	21,965	22,146	21,813	21,852
Employed	21,178	21,303	21,102	21,309	21,211	21,046	20,736	21,042	20,982	21,087	21,332	21,089	21,096
Unemployed	1,289	1,133	1,131	1,130	1,084	1,004	1,201	1,012	1,000	878	814	724	756
Unemployment rate	5.7	5.0	5.1	5.0	4.9	4.6	5.5	4.6	4.5	4.0	3.7	3.3	3.5
Part time													
Total, 16 years and over:													
Civilian labor force	11,684	11,680	11,641	11,944	11,640	11,455	11,425	11,949	11,958	11,634	11,803	11,360	11,261
Employed	10,732	10,719	10,638	10,984	10,775	10,685	10,689	11,064	11,109	10,828	10,946	10,677	10,580
Unemployed	952	961	1,003	960	865	770	736	885	849	806	857	683	681
Unemployment rate	8.1	8.2	8.6	8.0	7.4	6.7	6.4	7.4	7.1	6.9	7.3	6.0	6.0

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

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Characteristics	1970											1969	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
White													
Total:													
Civilian labor force	74,312	74,223	73,788	73,332	73,454	72,770	73,358	73,662	73,621	73,169	73,159	72,589	72,392
Employed	70,231	70,345	70,023	69,838	70,008	69,681	69,998	70,499	70,617	70,406	70,558	70,266	70,093
Unemployed	4,081	3,878	3,765	3,494	3,446	3,089	3,360	3,163	3,004	2,763	2,601	2,323	2,299
Unemployment rate	5.5	5.2	5.1	4.8	4.7	4.2	4.6	4.3	4.1	3.8	3.6	3.2	3.2
Males, 20 years and over:													
Civilian labor force	42,811	42,757	42,640	42,407	42,462	42,411	42,480	42,498	42,407	42,194	42,133	41,953	41,959
Employed	41,086	41,076	41,061	40,923	40,974	41,039	41,123	41,232	41,260	41,115	41,165	41,122	41,130
Unemployed	1,725	1,681	1,579	1,484	1,488	1,372	1,357	1,266	1,147	1,079	968	831	829
Unemployment rate	4.0	3.9	3.7	3.5	3.5	3.2	3.2	3.0	2.7	2.6	2.3	2.0	2.0
Females, 20 years and over:													
Civilian labor force	24,889	24,923	24,516	24,700	24,775	24,275	24,259	24,601	24,599	23,437	24,504	24,243	24,053
Employed	23,589	23,728	23,346	23,583	23,584	23,278	23,139	23,623	23,576	23,520	23,665	23,429	23,245
Unemployed	1,300	1,195	1,170	1,117	1,191	997	1,120	978	1,023	917	839	814	808
Unemployment rate	5.2	4.8	4.8	4.5	4.8	4.1	4.6	4.0	4.2	3.8	3.4	3.4	3.4
Both sexes, 16 to 19 years:													
Civilian labor force	6,612	6,543	6,632	6,225	6,217	6,084	6,619	6,563	6,615	6,538	6,522	6,393	6,380
Employed	5,556	5,541	5,616	5,332	5,450	5,364	5,736	5,644	5,781	5,771	5,728	5,715	5,718
Unemployed	1,056	1,002	1,016	893	767	720	883	919	834	767	794	678	662
Unemployment rate	16.0	15.3	15.3	14.3	12.3	11.8	13.3	14.0	12.6	11.7	12.2	10.6	10.4
Negro and other races													
Total:													
Civilian labor force	9,159	9,086	9,124	9,263	9,243	9,231	9,235	9,213	9,253	9,160	9,259	9,115	9,042
Employed	8,357	8,241	8,302	8,488	8,480	8,427	8,500	8,414	8,598	8,520	8,675	8,598	8,484
Unemployed	802	845	822	775	763	804	735	799	655	640	584	517	558
Unemployment rate	8.8	9.3	9.0	8.4	8.3	8.7	8.0	8.7	7.1	7.0	6.3	5.7	6.2
Males, 20 years and over:													
Civilian labor force	4,731	4,729	4,765	4,776	4,790	4,734	4,729	4,656	4,693	4,675	4,731	4,657	4,602
Employed	4,454	4,395	4,447	4,507	4,499	4,448	4,455	4,399	4,484	4,461	4,550	4,480	4,430
Unemployed	277	334	318	269	291	286	274	257	209	214	181	177	172
Unemployment rate	5.9	7.1	6.7	5.6	6.1	6.0	5.8	5.5	4.5	4.6	3.8	3.8	3.7
Females, 20 years and over:													
Civilian labor force	3,642	3,586	3,614	3,689	3,655	3,682	3,669	3,713	3,715	3,656	3,676	3,664	3,608
Employed	3,368	3,329	3,346	3,419	3,412	3,425	3,403	3,421	3,466	3,440	3,497	3,502	3,412
Unemployed	274	257	268	270	243	257	266	292	249	216	179	162	196
Unemployment rate	7.5	7.2	7.4	7.3	6.6	7.0	7.2	7.9	6.7	5.9	4.9	4.4	5.4
Both sexes, 16 to 19 years:													
Civilian labor force	786	771	745	798	798	815	837	844	845	829	852	794	832
Employed	535	517	509	562	569	554	642	594	648	619	628	616	642
Unemployed	251	254	236	236	229	261	195	250	197	210	224	178	190
Unemployment rate	31.9	32.9	31.7	29.6	28.7	32.0	23.3	29.6	23.3	25.3	26.3	22.4	22.8

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

(In thousands)

Duration of unemployment	1970											1969	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Less than 5 weeks	2,289	2,447	2,331	2,206	2,061	1,961	2,219	2,295	1,995	1,973	1,756	1,515	1,558
5 to 14 weeks	1,756	1,507	1,501	1,320	1,334	1,303	1,214	1,075	1,154	1,016	914	893	912
15 weeks and over	870	745	792	736	711	685	612	569	545	465	409	392	389
15 to 26 weeks	550	496	501	479	470	450	352	372	363	306	276	272	249
27 weeks and over	320	249	291	257	241	235	260	197	182	159	133	120	140
Average (mean) duration	9.4	8.3	8.9	8.8	9.3	9.5	9.0	8.2	8.4	8.1	7.8	8.1	8.0

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-33: Major unemployment indicators, seasonally adjusted

(Unemployment rates)

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

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

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

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

⁴Includes mining, not shown separately.

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

Sex and age	1970											1969	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Total, 16 years and over	5.8	5.6	5.5	5.1	5.0	4.7	5.0	4.8	4.4	4.2	3.9	3.5	3.5
16 to 19 years.....	17.5	17.1	16.8	15.9	13.9	14.6	14.3	15.7	13.9	13.4	13.8	11.8	11.8
16 and 17 years.....	18.2	20.1	19.6	17.4	15.2	16.0	15.6	18.7	15.7	16.3	17.2	13.7	14.3
18 and 19 years.....	16.3	15.1	14.6	14.7	13.2	13.3	13.8	13.8	12.4	11.7	11.6	10.2	9.2
20 to 24 years.....	9.9	9.5	9.8	8.3	8.6	7.4	8.1	7.7	6.8	7.3	6.1	5.8	5.8
25 years and over.....	3.8	3.7	3.5	3.4	3.5	3.2	3.3	3.1	3.0	2.6	2.4	2.2	2.2
25 to 54 years.....	4.1	3.9	3.6	3.6	3.7	3.3	3.4	3.2	3.1	2.7	2.5	2.3	2.1
55 years and over.....	3.2	3.1	3.1	2.7	2.9	3.0	3.3	2.8	2.7	2.4	2.0	2.1	1.9
Males, 16 years and over	5.2	5.1	5.0	4.6	4.5	4.3	4.4	4.2	3.6	3.6	3.3	2.9	2.9
16 to 19 years.....	16.6	17.1	16.7	15.8	14.1	14.8	15.0	15.2	12.5	13.0	12.6	11.0	11.7
16 and 17 years.....	17.6	19.9	19.6	17.2	15.2	16.6	16.4	17.2	14.6	15.4	14.9	13.1	13.7
18 and 19 years.....	14.7	15.0	14.1	14.6	13.6	13.2	14.6	13.9	10.8	11.0	10.8	9.3	8.9
20 to 24 years.....	10.2	11.3	11.0	8.5	9.1	7.2	7.7	7.9	6.4	6.9	6.1	5.5	5.3
25 years and over.....	3.3	3.2	3.0	3.0	3.0	2.9	2.9	2.6	2.4	2.2	2.0	1.8	1.7
25 to 54 years.....	3.5	3.3	2.9	3.0	3.0	2.9	2.8	2.6	2.3	2.1	2.0	1.7	1.4
55 years and over.....	3.4	3.1	3.1	2.9	2.8	2.8	3.1	2.8	2.8	2.4	2.1	2.2	1.9
Females, 16 years and over	6.9	6.3	6.4	5.9	5.9	5.5	5.9	5.7	5.7	5.1	4.8	4.5	4.5
16 to 19 years.....	18.6	17.1	16.9	16.0	13.7	14.3	13.4	16.4	15.6	13.9	15.2	12.8	11.9
16 and 17 years.....	19.1	20.4	19.6	17.6	15.1	15.3	14.6	20.6	17.0	17.3	20.3	14.7	15.0
18 and 19 years.....	18.2	15.2	15.1	14.9	12.7	13.4	12.9	13.7	14.3	12.7	12.4	11.2	9.6
20 to 24 years.....	9.5	7.5	8.4	8.0	8.1	7.7	8.7	7.5	7.2	7.6	6.2	6.1	6.5
25 years and over.....	4.7	4.7	4.4	4.1	4.5	3.8	4.2	3.8	4.0	3.3	3.0	3.0	3.1
25 to 54 years.....	5.3	5.1	4.8	4.6	4.8	4.1	4.3	4.2	4.4	3.6	3.3	3.3	3.4
55 years and over.....	2.8	3.2	3.2	2.5	3.1	3.2	3.6	2.7	2.5	2.3	1.7	1.9	2.0

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

(Numbers in thousands)

Reason for unemployment	1970											1969	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Number of unemployed													
Lost last job.....	2,290	2,137	2,048	1,946	1,833	1,928	1,912	1,613	1,503	1,390	1,202	1,170	1,033
Left last job.....	593	573	556	570	600	569	550	573	466	473	460	455	426
Reentered labor force.....	1,381	1,238	1,371	1,296	1,284	1,036	1,168	1,207	1,225	1,089	1,106	916	999
Never worked before.....	571	569	572	495	439	468	464	550	479	477	509	358	358
Percent distribution													
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lost last job.....	47.4	47.3	45.0	45.2	44.1	48.2	46.7	40.9	40.9	40.5	36.7	40.4	36.7
Left last job.....	12.3	12.7	12.2	13.2	14.4	14.2	13.4	14.5	12.7	13.8	14.0	15.7	15.1
Reentered labor force.....	28.6	27.4	30.2	30.1	30.9	25.9	28.5	30.6	33.4	31.8	33.8	31.6	35.5
Never worked before.....	11.8	12.6	12.6	11.5	10.6	11.7	11.3	13.9	13.0	13.9	15.5	12.3	12.7
Unemployed as a percent of the civilian labor force													
Lost last job.....	2.7	2.6	2.5	2.3	2.1	2.3	2.3	1.9	1.8	1.7	1.5	1.4	1.3
Left last job.....	.7	.7	.7	.7	.8	.7	.7	.7	.6	.6	.6	.6	.5
Reentered labor force.....	1.7	1.5	1.7	1.5	1.6	1.3	1.4	1.5	1.5	1.3	1.3	1.1	1.2
Never worked before.....	.7	.7	.7	.6	.5	.6	.6	.7	.6	.6	.6	.5	.4

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(In thousands)

Sex and age	1970												1969	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	
Total														
16 years and over	78,535	78,686	78,424	78,445	78,638	78,225	78,449	78,924	79,112	78,822	79,041	78,737	78,528	
16 to 19 years	6,062	6,066	6,152	5,929	6,041	5,932	6,380	6,235	6,387	6,363	6,307	6,287	6,332	
16 and 17 years	2,552	2,513	2,588	2,519	2,532	2,484	2,686	2,656	2,774	2,760	2,713	2,667	2,707	
18 and 19 years	3,535	3,545	3,558	3,380	3,467	3,440	3,672	3,590	3,654	3,634	3,647	3,660	3,654	
20 to 24 years	9,871	9,946	9,878	9,803	9,745	9,588	9,593	9,583	9,593	9,538	9,644	9,441	9,506	
25 years and over	62,624	62,699	62,411	62,694	62,787	62,626	62,557	63,078	63,134	62,970	63,132	62,998	62,709	
25 to 54 years	48,595	48,564	48,406	48,621	48,658	48,607	48,558	48,909	48,846	48,821	49,043	48,945	48,619	
55 years and over	14,017	14,051	13,950	14,041	14,045	13,965	13,980	14,188	14,326	14,203	14,223	14,117	14,075	
Male														
16 years and over	48,950	48,864	48,899	48,662	48,855	48,778	49,081	49,099	49,313	49,058	49,204	49,055	49,067	
16 to 19 years	3,439	3,326	3,377	3,238	3,331	3,257	3,488	3,432	3,604	3,524	3,530	3,502	3,534	
16 and 17 years	1,501	1,425	1,492	1,446	1,489	1,445	1,519	1,529	1,601	1,558	1,580	1,550	1,660	
18 and 19 years	1,959	1,905	1,892	1,772	1,812	1,809	1,954	1,896	2,027	1,984	1,974	1,987	1,954	
20 to 24 years	5,342	5,303	5,326	5,260	5,215	5,188	5,213	5,154	5,146	5,102	5,117	5,093	5,088	
25 years and over	40,144	40,217	40,207	40,180	40,260	40,288	40,395	40,501	40,567	40,468	40,571	40,500	40,418	
25 to 54 years	31,258	31,258	31,280	31,206	31,278	31,280	31,328	31,369	31,402	31,352	31,409	31,469	31,353	
55 years and over	8,898	8,936	8,908	8,952	8,965	8,972	9,073	9,131	9,181	9,148	9,209	9,067	9,076	
Female														
16 years and over	29,585	29,822	29,525	29,783	29,783	29,447	29,368	29,825	29,799	29,764	29,837	29,682	29,461	
16 to 19 years	2,623	2,740	2,775	2,691	2,710	2,675	2,892	2,803	2,783	2,839	2,777	2,785	2,798	
16 and 17 years	1,051	1,088	1,096	1,073	1,043	1,039	1,167	1,127	1,173	1,202	1,133	1,117	1,107	
18 and 19 years	1,576	1,640	1,666	1,608	1,655	1,631	1,718	1,694	1,627	1,650	1,673	1,673	1,700	
20 to 24 years	4,529	4,643	4,552	4,543	4,530	4,400	4,380	4,429	4,447	4,436	4,527	4,348	4,418	
25 years and over	22,480	22,482	22,204	22,514	22,527	22,338	22,162	22,577	22,576	22,502	22,561	22,498	22,291	
25 to 54 years	17,337	17,306	17,126	17,415	17,380	17,327	17,230	17,540	17,444	17,469	17,634	17,476	17,266	
55 years and over	5,119	5,115	5,042	5,089	5,080	4,993	4,907	5,057	5,145	5,055	5,014	5,050	4,999	

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

(In thousands)

Occupation group	1970												1969	
	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	
White-collar workers	38,159	38,167	37,945	37,852	38,019	38,049	37,889	38,006	37,936	37,927	37,950	37,641	37,483	
Professional and technical	11,146	11,183	11,211	11,280	11,281	11,198	11,023	11,166	11,016	10,966	11,097	11,007	10,887	
Managers, officials, and proprietors	8,454	8,357	8,221	8,224	8,300	8,285	8,378	8,206	8,268	8,186	8,190	8,164	8,222	
Clerical workers	13,618	13,713	13,647	13,450	13,582	13,696	13,700	13,848	13,884	13,965	13,869	13,699	13,530	
Sales workers	4,941	4,914	4,866	4,898	4,856	4,870	4,788	4,786	4,768	4,810	4,794	4,771	4,844	
Blue-collar workers	27,715	27,739	27,559	27,685	27,677	27,441	27,621	27,927	28,192	28,274	28,241	28,323	28,432	
Craftsmen and foremen	10,183	10,195	10,119	10,042	10,074	10,079	10,036	10,211	10,375	10,268	10,148	10,323	10,258	
Operatives	13,747	13,923	13,755	13,851	13,867	13,790	13,863	14,021	14,018	14,204	14,281	14,268	14,433	
Nonfarm laborers	3,785	3,621	3,685	3,792	3,736	3,572	3,722	3,695	3,799	3,802	3,812	3,732	3,741	
Service workers	9,743	9,836	9,956	9,781	9,648	9,544	9,589	9,634	9,729	9,562	9,728	9,688	9,558	
Farmers and farm laborers	2,969	2,982	3,087	3,057	3,180	3,226	3,266	3,210	3,214	3,160	3,084	3,037	3,087	

ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT

B-1: Employees on nonagricultural payrolls, by industry division
1919 to date
(In thousands)

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	10,231	962	1,012	8,257	14,151	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	11,234	929	1,185	9,120	14,593	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	12,741	1,212	1,229	10,300	15,653	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	12,093	1,101	1,321	9,671	15,947	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,503	4,148	6,080	2,905	3,174
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,915	23,672	606	3,285	19,781	44,244	4,310	14,084	3,611	10,473	3,382	10,623	11,845	2,737	9,109
1969.....	70,274	24,225	619	3,437	20,169	46,048	4,431	14,645	3,738	10,907	3,557	11,211	12,204	2,758	9,446
1969:															
Nov.....	71,354	24,369	622	3,553	20,194	46,985	4,486	15,092	3,816	11,276	3,597	11,349	12,461	2,705	9,756
Ded.....	71,760	24,131	623	3,398	20,110	47,629	4,478	15,638	3,841	11,797	3,608	11,351	12,554	2,760	9,794
1970:															
Jan.....	69,933	23,483	611	3,048	19,824	46,450	4,435	14,707	3,797	10,910	3,604	11,254	12,450	2,690	9,760
Feb.....	70,029	23,449	608	3,071	19,770	46,580	4,420	14,606	3,788	10,818	3,615	11,357	12,582	2,694	9,888
Mar.....	70,460	23,565	610	3,161	19,794	46,895	4,443	14,700	3,797	10,903	3,639	11,433	12,680	2,758	9,922
Apr.....	70,758	23,529	616	3,286	19,627	47,229	4,432	14,818	3,803	11,015	3,658	11,564	12,757	2,838	9,919
May.....	70,780	23,396	620	3,344	19,432	47,384	4,469	14,878	3,813	11,065	3,670	11,641	12,726	2,765	9,961
June.....	71,385	23,766	635	3,504	19,627	47,619	4,561	14,994	3,872	11,122	3,708	11,717	12,639	2,710	9,929
July.....	70,602	23,532	635	3,572	19,325	47,070	4,593	14,924	3,902	11,022	3,738	11,698	12,117	2,700	9,417
Aug.....	70,527	23,688	636	3,606	19,446	46,839	4,574	14,869	3,886	10,983	3,732	11,648	12,016	2,675	9,341
Sept.....	70,922	23,640	628	3,500	19,512	47,282	4,561	14,936	3,869	11,067	3,695	11,634	12,456	2,649	9,807
Oct P.....	70,726	22,979	621	3,466	18,892	47,747	4,520	15,031	3,882	11,149	3,689	11,681	12,826	2,643	10,183
Nov P.....	70,638	22,670	624	3,349	18,697	47,968	4,515	15,164	3,867	11,297	3,695	11,659	12,935	2,641	10,294

p=preliminary.

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

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2: Employees on nonagricultural payrolls, by industry

SIC CODE	Industry	(In thousands)									
		All employees					Production workers ¹				
		Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969
-	TOTAL	70,638	70,726	70,922	71,354	71,333	-	-	-	-	-
-	PRIVATE SECTOR	57,703	57,900	58,466	58,893	58,958	47,642	47,825	48,342	48,797	48,873
-	MINING	624	621	628	622	623	477	473	478	474	476
10	METAL MINING	-	94.7	96.9	90.7	90.4	-	76.0	78.1	73.5	73.0
101	Iron ores	-	26.2	27.5	25.4	25.6	-	21.1	22.5	20.7	20.9
102	Copper ores	-	37.3	37.8	34.6	34.2	-	29.6	30.0	27.9	27.5
11,12	COAL MINING	-	148.8	147.6	138.4	137.4	-	128.9	127.8	120.0	119.0
12	Bituminous coal and lignite mining	-	143.1	141.9	132.7	131.7	-	123.8	122.7	114.9	113.9
13	OIL AND GAS EXTRACTION	-	259.4	262.4	275.6	277.0	-	170.4	172.2	184.5	186.0
131,2	Crude petroleum and natural gas fields	-	139.2	141.7	141.5	142.1	-	71.1	72.7	72.3	72.8
138	Oil and gas field services	-	120.2	120.7	134.1	134.9	-	99.3	99.5	112.2	113.2
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	118.3	120.7	117.1	118.4	-	97.3	100.1	96.1	97.7
142	Crushed and broken stone	-	42.7	43.2	40.9	41.7	-	36.0	36.6	34.5	35.4
144	Sand and gravel	-	38.8	39.9	37.8	38.1	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,349	3,466	3,500	3,553	3,648	2,793	2,911	2,941	3,010	3,103
15	GENERAL BUILDING CONTRACTORS	-	997.1	1,008.9	1,081.7	1,104.6	-	836.7	847.1	922.0	942.4
16	HEAVY CONSTRUCTION CONTRACTORS	-	814.2	833.0	761.8	803.9	-	700.6	716.6	656.0	696.2
161	Highway and street construction	-	377.8	390.4	350.7	381.1	-	337.0	349.9	312.3	341.7
162	Heavy construction, n e c	-	436.4	442.6	411.1	422.8	-	363.6	366.7	343.7	354.5
17	SPECIAL TRADE CONTRACTORS	-	1,654.4	1,657.6	1,709.9	1,739.8	-	1,373.6	1,377.2	1,432.4	1,464.3
171	Plumbing, heating, air conditioning	-	398.6	395.0	414.5	416.6	-	321.0	317.3	335.6	337.9
172	Painting, paper hanging, decorating	-	127.0	133.4	131.6	140.0	-	110.9	117.3	116.0	124.7
173	Electrical work	-	286.1	290.0	288.8	290.2	-	229.0	232.8	233.8	235.1
174	Masonry, stonework, and plastering	-	211.6	210.8	235.3	239.7	-	190.7	189.7	213.8	218.1
176	Roofing and sheet metal work	-	119.8	119.4	124.8	126.1	-	98.9	98.8	103.3	104.8
-	MANUFACTURING	18,697	18,892	19,512	20,194	20,395	13,481	13,645	14,224	14,763	14,953
19,24,25,32-39	DURABLE GOODS	10,558	10,694	11,207	11,832	12,008	7,516	7,625	8,103	8,580	8,744
20-23,26-31	NONDURABLE GOODS	8,139	8,198	8,305	8,362	8,387	5,965	6,020	6,121	6,183	6,209
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	224.8	227.9	236.3	297.1	298.3	119.1	121.7	128.6	169.6	170.1
192	Ammunition, except for small arms	155.2	157.1	164.9	213.6	218.0	75.7	77.5	84.0	115.2	119.1
1925	Complete guided missiles	-	95.9	97.3	115.3	116.5	-	29.7	30.4	36.1	36.7
1929	Ammunition, exc. for small arms, nec	-	61.2	67.6	98.3	101.5	-	47.8	53.6	79.1	82.4
24	LUMBER AND WOOD PRODUCTS	566.5	577.3	585.4	600.1	604.4	487.3	497.4	504.6	519.0	522.8
241	Logging camps & logging contractors	72.9	76.7	78.5	81.2	83.2	-	-	-	-	-
242	Sawmills and planing mills	(*)	211.6	214.7	224.4	227.4	(*)	192.4	195.1	203.9	206.0
2421	Sawmills and planing mills, general	-	178.8	181.9	188.1	190.9	-	163.2	165.7	171.2	173.1
243	Millwork, plywood & related products	168.4	168.6	170.5	168.1	167.1	140.3	140.2	141.9	139.9	139.1
2431	Millwork	-	74.3	75.5	72.5	72.0	-	59.9	60.9	58.3	57.9
2432	Veneer and plywood	-	72.0	73.0	73.8	72.8	-	64.3	65.3	66.2	65.4
244	Wooden containers	(*)	31.6	31.7	35.5	35.7	(*)	28.0	28.0	31.5	31.8
2441,2	Wooden boxes, shooks, and crates	-	25.1	25.7	28.4	28.5	-	22.2	22.8	25.2	25.3
249	Miscellaneous wood products	88.5	88.8	90.0	90.9	91.0	73.4	73.7	74.6	76.5	76.6

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)					Production workers ¹					
		All employees										
		Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969	
	<i>Durable Goods--Continued</i>											
25	FURNITURE AND FIXTURES	459.0	458.3	460.3	485.2	488.1	378.1	377.4	380.1	402.6	405.7	
251	Household furniture.....	325.0	321.9	320.8	338.7	341.2	275.0	272.6	271.7	288.7	291.4	
2511	Wood household furniture.....	—	162.0	161.1	172.0	173.4	—	142.3	141.6	152.2	153.8	
2512	Upholstered household furniture.....	—	86.9	86.0	89.5	90.7	—	72.4	71.6	74.6	75.8	
2515	Mattresses and bedspings.....	—	37.4	38.4	39.0	39.4	—	28.9	29.7	30.5	30.8	
252	Office furniture.....	—	34.9	35.9	41.0	40.6	—	26.9	28.0	32.3	32.0	
254	Partitions and fixtures.....	—	51.8	52.9	51.4	51.4	—	40.0	41.5	39.8	39.7	
253,9	Other furniture and fixtures.....	48.5	49.7	50.7	54.1	54.9	37.3	37.9	38.9	41.8	42.6	
32	STONE, CLAY, AND GLASS PRODUCTS ...	627.9	635.3	647.3	661.9	664.7	498.4	505.1	516.6	528.9	532.7	
321	Flat glass.....	—	23.3	24.1	26.5	26.7	—	17.0	17.7	20.3	20.3	
322	Glass and glassware, pressed or blown...	132.8	133.7	134.7	130.8	131.6	115.1	116.0	117.4	114.5	115.8	
3221	Glass containers.....	—	78.6	78.4	72.8	73.0	—	69.8	69.8	65.2	65.5	
3229	Pressed and blown glass, n e c.....	—	55.1	56.3	58.0	58.6	—	46.2	47.6	49.3	50.3	
324	Cement, hydraulic.....	32.7	33.8	34.7	35.8	35.6	25.5	26.2	27.1	27.5	27.3	
325	Structural clay products.....	57.0	57.3	58.2	61.9	62.4	46.5	46.7	47.6	50.7	51.2	
3251	Brick and structural clay tile.....	—	25.4	25.8	27.4	27.9	—	22.1	22.4	23.9	24.4	
326	Pottery and related products.....	—	42.7	43.3	45.7	46.3	—	35.6	36.1	38.4	38.7	
327	Concrete, gypsum, and plaster products...	182.0	185.8	189.3	190.9	191.6	141.6	145.0	148.0	148.9	150.4	
328,9	Other stone and nonmetallic mineral products	131.5	131.4	134.6	141.2	141.2	97.1	97.5	100.4	105.5	105.5	
3291	Abrasive products.....	—	25.3	25.9	27.7	27.7	—	17.3	17.8	19.1	19.0	
33	PRIMARY METAL INDUSTRIES	1,241.5	1,253.7	1,308.4	1,364.7	1,364.0	976.3	987.8	1,039.6	1,091.5	1,089.7	
331	Blast furnace and basic steel products...	(*)	614.4	635.8	645.7	647.4	(*)	489.2	508.0	515.8	516.3	
3312	Blast furnaces and steel mills.....	—	537.7	555.9	564.8	565.1	—	430.0	446.0	453.6	452.8	
332	Iron and steel foundries.....	214.3	213.4	222.7	238.6	236.8	176.0	175.7	184.8	201.2	199.6	
3321	Gray iron foundries.....	—	130.3	138.2	150.7	149.2	—	108.5	116.3	129.4	127.9	
3322	Malleable iron foundries.....	—	22.4	22.5	23.8	23.6	—	18.8	18.9	19.9	19.7	
3323	Steel foundries.....	85.3	60.7	62.0	64.1	64.0	—	48.4	49.6	51.9	52.0	
333,4	Nonferrous metals.....	—	85.3	87.3	86.3	86.2	65.8	65.9	67.7	66.8	66.6	
3334	Primary aluminum.....	—	30.8	31.6	30.3	30.3	—	25.2	25.8	24.7	24.7	
335	Nonferrous rolling and drawing.....	195.0	197.7	209.0	223.0	224.3	141.7	143.8	155.4	168.1	169.3	
3351	Copper rolling and drawing.....	—	41.6	42.2	46.9	46.7	—	30.0	31.2	35.5	35.3	
3352	Aluminum rolling and drawing.....	—	66.2	67.2	73.1	73.1	—	48.1	49.0	54.1	53.9	
3357	Nonferrous wire drawing and insulating...	—	68.5	77.4	79.1	80.7	(*)	50.7	59.6	61.6	63.2	
336	Nonferrous foundries.....	(*)	77.4	83.2	93.9	92.8	(*)	62.7	68.3	78.0	77.0	
3361	Aluminum castings.....	—	39.2	43.2	49.0	47.9	—	32.1	36.1	41.4	40.4	
3362,9	Other nonferrous castings.....	—	38.2	40.0	44.9	44.9	—	30.6	32.2	36.6	36.6	
339	Miscellaneous primary metal products....	65.3	65.5	70.4	77.2	76.5	50.3	50.5	55.4	61.6	60.9	
3391	Iron and steel forgings.....	—	43.1	47.3	50.7	50.3	—	33.4	37.7	40.7	40.3	
34	FABRICATED METAL PRODUCTS	1,337.6	1,355.4	1,402.3	1,456.7	1,454.6	1,012.8	1,028.7	1,074.9	1,120.0	1,118.2	
341	Metal cans.....	69.1	68.5	72.4	68.7	69.9	58.3	58.0	61.9	57.3	58.6	
342	Cutlery, hand tools, and hardware.....	155.2	155.8	156.5	167.0	167.1	120.0	120.6	121.4	130.7	130.8	
3421,3,5	Cutlery and hand tools, incl. saws.....	—	63.9	64.6	68.4	67.4	—	49.1	49.8	52.8	51.9	
3429	Hardware, n e c.....	—	91.9	91.9	98.6	99.7	—	71.5	71.6	77.9	78.9	
343	Plumbing and heating, except electric....	82.3	82.0	81.1	87.8	87.1	60.9	60.6	59.6	65.5	64.8	
3431,2	Sanitary ware & plumbers' brass goods...	—	34.9	33.9	38.9	38.9	—	27.4	26.4	30.9	31.0	
3433	Heating equipment, except electric.....	—	47.1	47.2	48.9	48.2	—	33.2	33.2	34.6	38.8	
344	Fabricated structural metal products.....	415.1	424.3	431.9	438.4	437.2	298.1	305.1	312.5	316.6	315.1	
3441	Fabricated structural steel.....	—	109.8	109.9	111.4	111.3	—	81.4	81.6	82.2	81.8	
3442	Metal doors, sash, and trim.....	—	68.2	67.9	71.6	71.7	—	48.8	49.3	52.1	52.1	
3443	Fabricated plate work (boiler shops)....	—	121.2	124.3	121.0	120.2	—	85.8	88.2	84.7	84.1	
3444	Sheet metal work.....	—	78.6	81.4	83.2	83.1	—	56.3	59.0	60.5	60.4	
3446,9	Architectural and misc. metal work.....	—	46.5	48.4	51.2	50.9	—	32.8	34.4	37.1	36.7	
345	Screw machine products, bolts, etc.....	(*)	105.2	106.9	116.2	114.4	(*)	81.2	83.1	91.4	90.1	
3451	Screw machine products.....	—	47.9	47.4	51.6	50.6	—	39.5	39.1	43.3	42.7	
3452	Bolts, nuts, rivets, and washers.....	—	57.3	59.5	64.6	63.8	—	41.7	44.0	48.1	47.4	
346	Metal stampings.....	213.0	215.3	244.3	256.2	258.4	167.0	169.7	198.3	208.8	210.5	
347	Metal services, n e c.....	(*)	85.4	87.3	93.9	94.1	(*)	70.1	71.6	77.5	77.3	
348	Misc. fabricated wire products.....	(*)	65.1	65.8	69.4	69.1	(*)	51.4	52.2	55.3	55.2	
349	Misc. fabricated metal products.....	153.7	153.8	156.1	159.1	157.3	112.1	112.0	114.3	117.1	115.8	
3494,8	Valves, pipe, and pipe fittings.....	—	92.8	93.6	95.2	92.8	—	64.8	65.8	66.9	65.1	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969
<i>Durable Goods--Continued</i>											
35	MACHINERY, EXCEPT ELECTRICAL	1,836.8	1,865.2	1,918.0	2,028.6	2,036.0	1,203.8	1,226.1	1,274.1	1,371.9	1,379.9
351	Engines and turbines	(*)	104.4	104.1	100.7	112.9	(*)	69.2	70.0	66.3	76.5
3511	Steam engines and turbines	-	34.8	33.6	27.5	40.0	-	18.6	18.5	12.2	23.0
3519	Internal combustion engines, n.e.c.	-	69.6	70.5	73.2	72.9	-	50.6	51.5	54.1	53.5
352	Farm machinery	-	122.5	124.9	127.6	130.2	-	85.6	87.4	89.9	92.6
353	Construction and related machinery	275.8	278.1	285.2	296.9	296.5	178.5	179.9	187.0	199.1	198.9
3531,2	Construction and mining machinery	-	143.7	149.7	155.9	155.5	-	96.7	101.9	108.9	108.8
3533	Oil field machinery	-	45.6	46.1	47.2	46.7	-	30.8	31.2	32.9	32.4
3535,6	Conveyors, hoists, cranes, monorails	-	41.8	42.2	43.4	43.9	-	24.9	25.6	27.1	27.4
3537	Industrial trucks and tractors	-	31.1	31.7	35.4	35.4	-	19.4	20.2	22.6	22.7
354	Metal working machinery	(*)	295.4	306.1	346.6	343.5	(*)	214.2	223.9	258.6	255.9
3541	Machine tools, metal cutting types	-	62.7	66.5	78.8	78.0	-	39.9	43.5	53.2	52.7
3544	Special dies, tools, jigs, & fixtures	-	109.3	111.0	127.7	126.6	-	87.4	88.7	104.9	103.9
3545	Machine tool accessories	-	50.3	53.7	59.2	59.2	-	35.6	38.6	43.0	42.9
3542,8	Misc. metal working machinery	-	73.1	74.9	80.8	79.7	-	51.3	53.1	57.5	56.4
355	Special industry machinery	181.6	184.7	188.8	205.2	204.7	116.8	119.2	123.0	134.9	135.1
3551	Food products machinery	-	41.7	42.4	43.8	43.2	-	26.2	27.0	27.9	27.5
3552	Textile machinery	-	34.8	35.3	41.6	41.6	-	25.6	26.0	31.2	31.2
3555	Printing trades machinery	-	30.0	30.8	34.4	34.0	-	18.3	19.1	21.8	21.6
356	General industrial machinery	-	264.8	278.0	292.0	290.1	-	173.7	184.6	194.6	192.7
3561	Pumps and compressors	-	69.4	73.7	77.2	76.5	-	40.4	43.7	44.7	44.1
3562	Ball and roller bearings	-	53.6	59.0	62.7	63.1	-	40.7	45.5	48.5	48.9
3564	Blowers and fans	-	31.5	32.0	31.8	30.9	-	20.5	20.8	20.5	19.4
3566	Power transmission equipment	-	50.5	51.7	54.2	54.3	-	35.7	36.8	39.0	39.2
357	Office and computing machines	269.2	272.1	277.6	286.6	282.7	130.1	131.2	135.0	148.5	146.2
3573	Electronic computing equipment	-	181.8	185.1	190.1	188.3	-	68.1	69.6	78.2	77.9
358	Service industry machines	136.3	135.3	138.5	141.0	145.1	95.1	94.1	97.6	99.1	102.3
3585	Refrigeration machinery	-	88.6	91.3	91.4	96.4	-	61.9	64.9	64.5	86.5
359	Misc. machinery, except electrical	204.3	207.9	214.8	232.0	230.3	155.6	159.0	165.6	180.9	179.7
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,835.2	1,856.4	1,903.1	1,955.4	2,069.7	1,213.4	1,229.3	1,268.3	1,282.5	1,390.9
361	Electric test & distributing equipment	210.0	212.7	216.7	202.6	218.8	142.8	145.1	148.0	133.8	148.7
3611	Electric measuring instruments	-	67.7	69.2	72.9	74.9	-	41.7	42.5	45.4	47.0
3612	Transformers	-	58.2	59.7	48.1	58.7	-	42.3	43.8	32.7	42.8
3613	Switchgear and switchboard apparatus	(*)	86.8	87.8	81.6	85.2	(*)	61.1	61.7	55.7	58.9
362	Electrical industrial apparatus	(*)	213.5	222.2	203.9	231.5	(*)	147.0	154.4	135.8	162.4
3621	Motors and generators	-	112.7	118.5	104.1	125.3	-	79.2	84.4	69.6	89.7
3622	Industrial controls	(*)	59.2	60.9	60.1	64.3	(*)	38.0	39.2	38.3	42.5
363	Household appliances	-	184.9	176.4	158.8	194.2	(*)	49.2	139.7	123.3	155.2
3632	Household refrigerators and freezers	-	58.0	51.8	45.2	59.8	-	49.2	42.1	36.8	49.5
3633	Household laundry equipment	-	29.3	27.2	22.8	28.6	-	23.7	21.5	17.4	22.4
3634	Electric housewares and fans	-	47.4	46.9	44.6	50.0	-	37.7	37.3	34.7	40.1
364	Electric lighting and wiring equipment	196.4	198.7	205.5	199.8	211.6	151.1	152.5	158.9	153.8	164.4
3641	Electric lamps	-	46.7	46.8	33.5	40.6	-	41.1	41.2	29.0	36.0
3642	Lighting fixtures	-	61.6	66.7	68.6	68.7	-	46.7	51.5	53.6	53.9
3643,4	Wiring devices	-	90.4	92.0	97.7	102.3	-	64.7	66.2	71.2	74.5
365	Radio and TV receiving equipment	132.5	132.9	138.9	146.8	159.9	97.9	98.3	104.0	107.5	120.1
366	Communication equipment	472.0	473.6	484.4	530.7	531.4	238.5	237.0	245.4	263.3	264.9
3661	Telephone and telegraph apparatus	-	165.6	170.1	158.1	153.8	-	110.0	114.4	106.7	103.2
3662	Radio and TV communication equipment	-	308.0	314.3	372.6	377.6	-	127.0	131.0	156.6	161.7
367	Electronic components and accessories	(*)	329.6	336.8	390.3	396.6	(*)	217.5	223.7	270.3	278.0
3671,3	Electron tubes	-	63.1	63.1	65.4	69.1	-	43.6	43.3	43.4	47.1
3674,9	Other electronic components	-	266.5	273.7	324.9	327.5	-	173.9	180.4	226.9	230.9
369	Misc. electrical equipment & supplies	(*)	110.5	122.2	122.5	125.7	(*)	82.7	94.2	94.7	97.2
3694	Engine electrical equipment	-	53.0	63.0	67.0	67.4	-	39.6	49.3	53.2	52.7
37	TRANSPORTATION EQUIPMENT	1,557.9	1,583.4	1,859.1	2,049.2	2,088.2	1,026.8	1,045.8	1,305.8	1,443.0	1,475.2
371	Motor vehicles and equipment	(*)	626.3	884.6	932.2	946.1	(*)	445.8	692.0	727.1	738.5
3711	Motor vehicles	-	263.1	386.5	413.5	420.6	-	173.7	286.9	307.4	313.3
3712	Passenger car bodies	-	18.3	60.1	53.7	58.1	-	10.3	51.5	43.6	48.5
3713	Truck and bus bodies	-	34.8	39.8	40.0	40.4	-	27.0	31.7	32.6	33.0
3714	Motor vehicle parts and accessories	-	288.5	374.7	394.3	396.2	-	219.1	304.5	319.8	319.7
3715	Truck trailers	-	21.6	23.5	30.7	30.8	-	15.7	17.4	23.7	24.0
372	Aircraft and parts	(*)	641.5	658.6	778.9	803.5	(*)	347.4	361.6	443.2	462.7
3721	Aircraft	-	353.4	362.6	453.2	460.5	-	183.4	190.2	251.5	256.8
3722	Aircraft engines and engine parts	-	174.5	179.2	187.8	203.8	-	91.4	95.9	101.0	114.4
3723,9	Other aircraft parts and equipment	-	113.6	116.8	137.9	139.2	-	72.6	75.5	90.7	91.5
373	Ship and boat building and repairing	161.8	162.7	160.3	187.1	185.9	129.5	130.6	127.2	151.9	151.4
3731	Ship building and repairing	-	131.6	129.7	141.7	141.9	-	106.3	103.6	115.0	115.6

See footnotes at end of table.

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969
	<i>Durable Goods--Continued</i>										
	TRANSPORTATION EQUIPMENT--Continued										
3732	Boat building and repairing.....	-	31.1	30.6	45.4	44.0	-	24.3	23.6	36.9	35.8
374	Railroad equipment.....	-	50.1	52.1	49.5	52.5	-	38.0	40.0	37.8	40.7
375,9	Other transportation equipment.....	-	102.8	103.5	101.5	100.2	-	84.0	85.0	83.0	81.9
38	INSTRUMENTS AND RELATED PRODUCTS	440.7	445.2	452.1	476.9	476.2	266.5	268.0	272.7	293.2	293.7
381	Engineering & scientific instruments.....	-	64.2	66.3	75.6	75.4	-	31.5	32.4	37.2	37.4
382	Mechanical measuring & control devices.....	103.8	104.6	106.5	115.5	115.2	61.9	63.0	64.8	72.4	72.6
3821	Mechanical measuring devices.....	-	66.0	67.3	72.6	72.4	-	37.1	38.5	43.0	42.9
3822	Automatic temperature controls.....	-	38.6	39.2	42.9	42.8	-	25.9	26.3	29.4	29.7
383,5	Optical and ophthalmic goods.....	52.6	52.6	53.1	55.3	55.2	36.2	36.1	36.6	39.0	39.1
385	Ophthalmic goods.....	-	35.5	35.7	35.6	35.3	-	26.7	26.9	27.2	27.1
384	Medical instruments and supplies.....	85.5	84.2	84.4	84.8	83.5	56.8	55.6	55.9	57.5	56.5
386	Photographic equipment and supplies.....	(*)	108.7	109.5	111.7	111.1	(*)	56.7	57.0	59.4	58.8
387	Watches, clocks, and watchcases.....	-	30.9	32.3	34.0	35.8	-	25.1	26.0	27.7	29.3
	MISCELLANEOUS MANUFACTURING										
39	INDUSTRIES	429.9	435.5	434.5	456.4	463.4	333.2	337.5	337.3	357.8	365.2
391	Jewelry, silverware, and plated ware.....	51.4	51.1	50.3	54.1	54.2	38.1	37.8	37.1	40.8	41.1
394	Toys and sporting goods.....	-	125.0	124.8	133.6	139.9	-	101.7	101.6	110.1	116.6
3941-3	Games, toys, dolls, & play vehicles.....	-	75.4	76.0	81.3	87.0	-	61.9	62.6	67.9	73.7
3949	Sporting and athletic goods, n e c.....	-	49.6	48.8	52.3	52.9	-	39.8	39.0	42.2	42.9
395	Pens, pencils, office, and art supplies.....	-	34.5	34.7	36.0	36.1	-	24.6	24.9	26.3	26.4
396	Costume jewelry and notions.....	-	58.9	59.1	62.3	62.6	-	47.9	48.3	51.5	52.1
393,9	Other manufacturing industries.....	165.8	166.0	165.6	170.4	170.6	125.7	125.5	125.4	129.1	129.0
393	Musical instruments and parts.....	-	21.2	21.4	25.1	24.7	-	16.5	16.7	19.9	19.5
	<i>Nondurable Goods</i>										
20	FOOD AND KINDRED PRODUCTS	1,813.6	1,849.2	1,906.6	1,831.7	1,862.0	1,228.8	1,265.0	1,316.3	1,242.9	1,268.9
201	Meat products.....	348.2	352.1	355.5	344.2	341.4	284.7	289.9	292.0	279.3	276.9
2011	Meat packing plants.....	-	183.6	187.1	184.2	183.4	-	146.2	148.6	144.0	143.3
2013	Sausages and other prepared meats.....	-	61.2	61.0	58.8	58.2	-	45.0	44.6	42.4	42.0
2015	Poultry dressing plants.....	-	107.3	107.4	101.2	99.8	-	98.7	98.8	92.9	91.6
202	Dairy products.....	235.2	236.5	241.0	240.5	244.1	110.4	111.8	115.2	112.2	113.5
2024	Ice cream and frozen desserts.....	-	23.3	24.3	22.6	24.1	-	11.7	12.7	11.5	12.2
2026	Fluid milk.....	-	168.0	170.2	173.0	174.6	-	65.1	66.4	66.0	66.5
203	Canned, cured, and frozen foods.....	-	317.5	380.7	286.0	327.0	-	270.7	332.0	240.3	280.2
2031,6	Canned, cured, and frozen sea foods.....	-	43.0	42.1	41.7	44.4	-	37.5	37.0	36.1	39.0
2032,3	Canned food, except sea foods.....	-	161.1	226.0	133.4	168.9	-	134.3	197.4	107.5	142.2
2037	Frozen fruits and vegetables.....	-	72.6	72.5	74.5	73.9	-	65.1	64.6	67.2	66.3
204	Grain mill products.....	136.2	139.2	138.2	135.1	134.9	97.5	100.1	98.5	95.9	96.2
2041	Flour and other grain mill products.....	-	28.9	28.9	28.9	28.5	-	21.6	21.4	21.4	21.0
2042	Prepared feeds for animals and fowls.....	-	67.4	67.8	64.3	64.1	-	45.5	45.9	42.6	42.9
205	Bakery products.....	281.8	282.2	283.9	286.3	276.8	167.0	167.4	168.5	169.8	159.6
2051	Bread, cake, and related products.....	-	234.8	235.2	239.2	238.9	-	128.7	129.0	131.4	130.5
2052	Cookies and crackers.....	-	47.4	48.7	47.1	37.9	-	38.7	39.5	38.4	29.1
206	Sugar.....	-	44.3	31.5	53.2	47.4	-	35.5	23.0	44.6	39.4
207	Confectionery and related products.....	(*)	86.9	85.1	94.4	93.6	(*)	71.1	69.5	78.4	77.7
2071	Confectionery products.....	-	70.7	68.7	77.6	76.7	-	59.0	57.1	65.8	65.0
208	Beverages.....	241.4	245.8	248.1	242.0	246.7	121.3	125.0	126.4	124.3	127.3
2082	Malt liquors.....	-	58.8	60.4	60.5	60.5	-	38.7	40.1	40.0	39.9
2086	Bottled and canned soft drinks.....	-	134.0	137.3	130.2	132.9	-	49.4	51.9	48.2	49.8
209	Misc. foods and kindred products.....	144.4	144.7	142.6	150.0	150.1	92.9	93.5	91.2	98.1	98.1
21	TOBACCO MANUFACTURES	84.3	88.2	89.8	87.1	94.5	70.8	75.0	76.5	73.4	80.5
211	Cigarettes.....	-	41.8	42.8	40.2	39.8	-	34.0	34.9	32.4	32.1
212	Cigars.....	-	16.8	17.2	18.8	18.7	-	15.3	15.6	17.2	17.0
22	TEXTILE MILL PRODUCTS	946.1	951.0	960.2	997.6	994.8	829.6	834.1	842.8	878.6	876.7
221	Weaving mills, cotton.....	222.0	220.8	220.5	225.2	224.3	201.4	200.3	200.0	204.7	203.9
222	Weaving mills, synthetics.....	(*)	94.3	94.8	101.9	101.5	(*)	82.8	83.2	90.6	90.5
223	Weaving and finishing mills, wool.....	34.2	34.6	35.5	40.6	40.2	28.8	29.1	29.9	34.8	34.3
224	Narrow fabric mills.....	29.4	29.3	29.9	31.9	31.9	25.9	25.7	26.4	28.4	28.3
225	Knitting mills.....	226.6	232.0	235.8	245.3	245.6	198.1	203.7	207.3	216.0	216.3
2251	Women's hosiery, except socks.....	-	60.3	62.6	68.4	67.5	-	54.2	56.3	61.8	61.2
2252	Hosiery, n e c.....	-	34.9	35.3	36.1	36.2	-	31.3	31.6	32.4	32.6
2253	Knit outerwear mills.....	-	69.5	69.6	70.0	70.8	-	60.0	60.4	60.1	60.8
2254	Knit underwear mills.....	-	28.7	29.0	31.7	31.9	-	25.2	25.3	28.1	28.1

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

SIC Code	Industry	(In thousands)									
		All employees					Production workers ¹				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
<i>Nondurable Goods--Continued</i>											
TEXTILE MILL PRODUCTS--Continued											
226	Textile finishing, except wool	83.3	82.6	83.2	82.9	82.0	70.6	69.9	70.5	70.2	69.6
227	Floor covering mills	-	56.1	56.1	59.5	58.8	-	44.6	44.6	47.6	47.2
228	Yarn and thread mills	131.6	130.9	130.8	130.6	129.7	121.3	120.7	120.6	120.8	119.9
229	Miscellaneous textile goods	69.6	70.4	73.6	79.7	80.8	56.7	57.3	60.3	65.5	66.7
APPAREL AND OTHER TEXTILE PRODUCTS . . .		1,385.2	1,383.6	1,392.5	1,417.6	1,423.0	1,214.5	1,212.3	1,222.3	1,245.1	1,250.3
231	Men's and boys' suits and coats	121.4	119.9	122.5	134.9	133.6	105.7	104.2	106.8	117.7	116.9
232	Men's and boys' furnishings	380.3	380.9	384.3	372.5	370.5	335.6	336.4	340.1	330.1	328.5
2321	Men's and boys' shirts and nightwear . . .	-	121.9	123.6	119.1	118.2	-	108.7	110.6	106.7	105.9
2327	Men's and boys' separate trousers	-	81.2	81.3	80.4	80.4	-	73.3	73.4	72.9	73.2
2328	Men's and boys' work clothing	-	86.7	87.2	84.1	83.9	-	74.7	75.1	72.4	72.3
233	Women's and misses' outerwear	438.2	433.9	431.8	433.6	437.3	390.3	385.3	383.9	384.9	387.7
2331	Women's and misses' blouses and waists . .	-	52.5	51.9	52.6	51.9	-	47.1	46.4	47.3	46.6
2335	Women's and misses' dresses	-	203.9	203.7	204.7	208.4	-	183.6	183.7	183.8	187.5
2337	Women's and misses' suits and coats	-	84.3	86.4	85.2	87.2	-	74.3	76.6	75.2	76.5
2339	Women's and misses' outerwear, n e c	-	93.2	89.8	91.1	89.8	-	80.3	77.2	78.6	77.1
234	Women's and children's undergarments . . .	120.2	119.8	119.3	125.0	125.3	104.7	104.6	104.2	108.7	109.2
2341	Women's and children's underwear	-	85.2	85.1	86.4	86.5	-	75.7	75.6	76.4	76.6
2342	Corsets and allied garments	-	34.6	34.2	38.6	38.8	-	28.9	28.6	32.3	32.6
235	Hats, caps, and millinery	-	17.7	18.3	19.9	19.9	-	15.9	16.4	17.9	17.9
236	Children's outerwear	73.4	74.2	74.0	74.6	76.0	64.9	66.0	65.7	66.0	67.2
2361	Children's dresses and blouses	-	31.5	30.8	32.9	33.7	-	28.3	27.7	29.7	30.3
237,8	Fur goods and miscellaneous apparel	-	75.4	75.6	79.6	80.9	-	64.5	65.1	68.6	69.6
239	Misc. fabricated textile products	160.3	161.8	166.7	177.5	179.5	133.8	135.4	140.1	151.2	153.3
2391,2	Housefurnishings	-	67.7	66.0	69.1	69.6	-	58.3	56.7	59.5	60.1
PAPER AND ALLIED PRODUCTS		703.1	697.5	708.6	720.4	716.4	540.7	535.0	546.2	557.6	554.1
261,2,6	Paper and pulp mills	(*)	215.9	222.2	225.8	224.4	(*)	164.9	170.6	175.3	174.3
263	Paperboard mills	70.0	69.2	71.3	71.0	70.3	56.0	55.3	57.5	56.6	56.1
264	Misc. converted paper products	188.7	187.2	188.5	189.8	189.2	137.1	135.8	137.4	138.3	137.3
2643	Bags, except textile bags	-	42.7	43.0	43.5	43.0	-	33.8	34.2	35.4	34.8
265	Paperboard containers and boxes	226.5	225.2	226.6	233.8	232.5	180.4	179.0	180.7	187.4	186.4
2651,2	Folding and setup paperboard boxes	-	69.4	69.7	71.9	71.1	-	57.3	57.5	59.7	59.2
2653	Corrugated and solid fiber boxes	-	107.5	108.4	112.0	111.8	-	82.2	83.4	86.8	86.5
2654	Sanitary food containers	-	29.6	29.8	30.1	29.8	-	24.0	24.2	24.4	24.1
PRINTING AND PUBLISHING		1,103.6	1,104.3	1,103.6	1,113.4	1,107.7	678.7	678.6	681.1	693.7	690.6
271	Newspapers	375.2	373.8	371.6	373.4	371.4	182.6	181.9	181.0	182.9	182.3
272	Periodicals	-	74.6	74.4	76.1	75.9	-	24.6	24.9	26.8	26.6
273	Books	-	97.4	98.1	98.3	98.0	-	51.9	52.8	53.9	54.0
275	Commercial printing	358.5	357.6	357.9	360.1	356.7	278.0	276.1	277.2	280.3	277.6
2751	Commercial printing, ex. lithographic	-	219.1	219.0	221.8	219.0	-	171.2	171.6	174.7	172.1
2752	Commercial printing, lithographic	-	126.9	127.5	126.6	126.1	-	96.3	97.1	96.7	96.7
278	Blankbooks and bookbinding	56.6	57.2	58.5	59.5	59.0	45.8	46.8	48.3	49.2	48.5
274,6,7,9	Other publishing & printing ind.	(*)	143.7	143.1	146.0	146.7	(*)	97.3	96.9	100.6	101.6
CHEMICALS AND ALLIED PRODUCTS		1,039.4	1,049.0	1,055.5	1,059.9	1,058.1	593.9	601.0	604.9	615.7	615.2
281	Industrial chemicals	319.1	320.6	321.5	318.9	317.5	172.7	174.0	174.2	173.6	172.6
2812	Alkalies and chlorine	-	21.7	22.2	22.7	22.7	-	14.8	15.1	15.9	15.8
2818	Industrial organic chemicals, n e c	-	128.9	129.6	128.7	128.3	-	56.4	56.9	56.7	56.5
2819	Industrial inorganic chemicals, n e c	-	103.2	103.6	99.4	98.6	-	59.5	59.9	57.6	56.8
282	Plastics materials and synthetics	217.9	220.7	222.4	228.7	227.8	141.9	143.7	144.7	149.4	148.9
2821	Plastics materials and resins	-	94.5	95.7	96.5	96.1	-	57.3	58.3	58.8	58.4
2823,4	Synthetic fibers	-	112.3	112.8	118.3	117.9	-	76.9	76.9	81.3	81.4
283	Drugs	148.7	149.8	150.0	145.5	144.2	72.2	72.1	72.3	71.0	70.3
2834	Pharmaceutical preparations	-	116.4	116.4	113.2	112.5	-	54.6	54.7	54.6	53.9
284	Soap, cleaners, and toilet goods	126.2	128.1	128.3	125.3	125.2	72.1	74.1	73.9	73.8	73.9
2841	Soap and other detergents	-	42.3	42.3	41.4	41.6	-	27.6	27.5	26.8	27.3
2844	Toilet preparations	-	51.7	51.8	51.3	51.0	-	30.3	30.2	31.6	31.3
285	Paints and allied products	(*)	70.7	71.4	70.9	71.4	(*)	39.3	40.1	39.2	39.6
287	Agricultural chemicals	55.1	54.7	54.4	54.9	54.2	32.9	32.5	32.1	33.1	32.7
2871,2	Fertilizers, complete & mixing only	-	38.1	37.4	37.7	37.1	-	24.7	24.2	24.9	24.4
286,9	Other chemical products	103.0	104.4	107.5	115.7	117.8	63.8	65.3	67.6	75.6	77.2
2892	Explosives	-	31.4	32.9	41.0	42.1	-	22.0	23.1	31.0	32.0
PETROLEUM AND COAL PRODUCTS		190.3	191.5	192.8	191.0	191.8	115.8	116.7	117.3	117.9	118.9
291	Petroleum refining	152.1	152.8	153.6	152.0	152.4	88.7	89.0	89.4	90.0	90.5
295,9	Other petroleum and coal products	(*)	38.7	39.2	39.0	39.4	(*)	27.7	27.9	27.9	28.4

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 ¹				
		Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969
<i>Nondurable Goods--Continued</i>											
30	RUBBER AND PLASTICS PRODUCTS, N E C	548.5	561.5	572.1	601.6	600.5	415.3	427.4	437.8	465.5	464.8
301	Tires and inner tubes.....	111.5	112.1	112.4	120.2	119.3	75.9	76.2	76.2	84.0	83.1
302,3,6	Other rubber products.....	(*)	162.7	169.9	181.4	182.1	(*)	124.6	132.2	141.9	142.8
302	Rubber footwear.....	-	24.7	24.2	24.3	24.2	-	21.2	20.9	20.4	20.3
307	Miscellaneous plastics products.....	(*)	286.7	289.8	300.0	299.1	(*)	226.6	229.4	239.6	238.9
31	LEATHER AND LEATHER PRODUCTS...	324.8	322.2	323.5	341.2	338.2	277.0	274.6	275.5	292.1	289.3
311	Leather tanning and finishing.....	26.6	27.0	27.3	28.3	28.1	22.8	23.2	23.5	24.3	24.4
314	Footwear, except rubber.....	215.1	212.5	214.7	223.9	221.2	186.7	184.1	186.0	194.6	192.1
312,3,5-7,9	Other leather products.....	83.1	82.7	81.5	89.0	88.9	67.5	67.3	66.0	73.2	72.8
316	Luggage.....	-	17.9	17.8	21.3	22.3	-	13.6	13.6	16.9	17.9
317	Handbags and personal leather goods.....	-	37.1	35.6	37.2	36.8	-	31.5	30.0	31.5	30.9
-	TRANSPORTATION AND PUBLIC UTILITIES.....	4,515	4,520	4,561	4,486	4,481	3,911	3,916	3,957	3,903	3,900
40	RAILROAD TRANSPORTATION.....	-	620.5	624.5	636.9	639.8	-	-	-	-	-
4011	Class I railroads ²	-	553.5	559.0	567.7	570.3	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER										
41	TRANSIT.....	-	289.6	287.2	290.2	289.0	-	-	-	-	-
411	Local and suburban transportation.....	-	76.1	76.4	77.4	77.5	-	71.7	71.9	72.5	72.5
412	Taxicabs.....	-	112.7	112.0	112.8	111.2	-	-	-	-	-
413	Intercity highway transportation.....	-	43.3	44.7	42.7	42.9	-	39.7	41.0	39.1	39.4
42	TRUCKING AND WAREHOUSING.....	-	1,117.4	1,139.9	1,109.1	1,112.0	-	1,009.6	1,032.4	1,005.8	1,008.4
421,3	Trucking and trucking terminals.....	-	1,024.0	1,052.0	1,016.0	1,019.4	-	929.1	957.2	924.3	927.3
422	Public warehousing.....	-	93.4	87.9	93.1	92.6	-	80.5	75.2	81.5	81.1
45	TRANSPORTATION BY AIR.....	-	341.4	342.7	361.0	359.1	-	-	-	-	-
451,2	Air transportation.....	-	311.2	312.6	327.8	325.3	-	-	-	-	-
46	PIPE LINE TRANSPORTATION.....	-	17.4	17.6	17.5	17.5	-	13.6	13.9	14.0	14.0
44,47	OTHER TRANSPORTATION AND SERVICES	-	317.4	314.5	333.0	330.8	-	-	-	-	-
44	WATER TRANSPORTATION.....	-	214.1	211.5	226.1	224.2	-	-	-	-	-
47	TRANSPORTATION SERVICES.....	-	103.3	103.0	106.9	106.6	-	-	-	-	-
48	COMMUNICATION.....	-	1,030.2	1,139.5	1,072.8	1,065.7	-	883.0	892.1	844.7	839.2
481	Telephone communication.....	-	937.5	945.6	888.6	882.0	-	742.6	750.5	710.1	704.5
482	Telegraph communication ³	-	30.7	31.0	31.9	31.3	-	20.9	21.2	22.3	21.8
483	Radio and television broadcasting.....	-	140.8	141.7	134.5	134.9	-	111.6	112.4	106.1	106.7
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	686.2	695.1	665.6	666.8	-	588.1	598.2	571.1	573.1
491	Electric companies and systems.....	-	285.1	288.6	277.8	276.8	-	242.6	246.5	236.6	236.0
492	Gas companies and systems.....	-	161.5	163.5	154.7	156.7	-	137.1	139.1	131.2	133.5
493	Combination companies and systems.....	-	187.1	189.9	183.7	184.0	-	162.5	166.0	160.2	160.2
494-7	Water, steam, & sanitary systems.....	-	52.5	53.1	49.4	49.3	-	45.9	46.6	43.1	43.4
-	WHOLESALE AND RETAIL TRADE.....	15,164	15,031	14,936	15,092	14,850	13,482	13,360	13,265	13,460	13,220
50	WHOLESALE TRADE.....	3,867	3,882	3,869	3,816	3,801	3,243	3,263	3,250	3,209	3,196
501	Motor vehicles & automotive equipment.....	-	334.1	332.2	333.1	312.8	-	272.6	271.2	257.7	257.1
502	Drugs, chemicals, and allied products.....	-	237.2	236.1	232.1	230.7	-	191.8	190.7	190.0	187.4
503	Dry goods and apparel.....	-	151.2	150.1	152.3	151.4	-	119.4	118.3	121.0	119.8
504	Groceries and related products.....	-	561.2	556.5	558.7	558.3	-	492.9	488.5	489.1	489.5
506	Electrical goods.....	-	339.0	337.2	309.2	306.7	-	286.4	284.6	258.1	256.4
507	Hardware, plumbing & heating equipment.....	-	173.3	172.7	171.5	171.1	-	146.6	145.8	145.3	144.9
508	Machinery, equipment, and supplies.....	-	744.2	747.9	742.7	738.7	-	631.8	635.2	630.8	627.1
509	Miscellaneous wholesalers.....	-	1,242.6	1,244.3	1,234.3	1,230.1	-	1,037.4	1,038.4	1,031.8	1,028.5
52-59	RETAIL TRADE.....	11,297	11,149	11,067	11,276	11,049	10,239	10,097	10,015	10,251	10,024
53	RETAIL GENERAL MERCHANDISE.....	-	2,344.6	2,261.3	2,496.9	2,316.1	-	2,148.2	2,067.6	2,305.7	2,127.7
531	Department stores.....	-	1,525.2	1,458.5	1,638.7	1,505.7	-	1,399.7	1,334.5	1,517.3	1,386.4
532	Mail order houses.....	-	133.2	124.9	155.3	138.2	-	124.2	116.3	146.3	129.2
533	Variety stores.....	-	333.9	327.4	348.5	331.2	-	308.3	302.3	322.4	305.8
54	FOOD STORES.....	-	1,752.6	1,724.1	1,721.8	1,709.7	-	1,628.4	1,602.2	1,604.8	1,592.2
541-3	Grocery, meat, and vegetable stores.....	-	1,582.3	1,556.0	1,551.1	1,542.3	-	1,469.2	1,445.4	1,445.5	1,435.9

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 ¹				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
-	WHOLESALE AND RETAIL TRADE (Continued)										
56	APPAREL AND ACCESSORY STORES	-	704.3	693.5	749.7	723.6	-	630.9	621.1	677.4	650.5
561	Men's & boys' clothing & furnishings	-	128.4	125.1	132.6	125.0	-	114.8	111.2	119.2	111.7
562	Women's ready-to-wear stores	-	267.2	258.8	282.3	274.1	-	239.4	231.9	255.5	246.6
565	Family clothing stores	-	100.4	98.7	112.7	107.3	-	93.3	91.7	105.6	99.8
566	Shoe stores	-	134.5	138.8	146.2	143.4	-	117.5	122.3	129.6	127.1
57	FURNITURE AND HOME FURNISHINGS STORES	-	455.0	450.1	464.5	458.8	-	396.2	391.7	407.7	401.7
571	Furniture and home furnishings	-	289.2	286.2	293.3	290.3	-	250.7	248.1	256.2	252.9
58	EATING AND DRINKING PLACES	-	2,489.4	2,541.0	2,437.4	2,471.6	-	2,329.6	2,376.9	2,281.2	2,312.6
52,55,59	OTHER RETAIL TRADE	-	3,402.6	3,397.0	3,405.5	3,369.4	-	2,964.0	2,955.3	2,974.1	2,939.7
52	Building materials and farm equipment	-	561.3	561.8	553.9	553.9	-	482.2	481.7	475.5	476.7
55	Automotive dealers & service stations	-	1,602.9	1,612.9	1,620.1	1,609.9	-	-	-	-	-
551.2	Motor vehicle dealers	-	759.2	767.6	779.5	779.9	-	639.8	648.4	660.8	661.4
553.9	Other automotive & accessory dealers	-	235.6	232.3	230.2	227.1	-	202.9	199.3	198.6	195.4
554	Gasoline service stations	-	608.1	613.0	610.4	602.9	-	-	-	-	-
59	Miscellaneous retail stores	-	1,238.4	1,222.3	1,231.5	1,205.6	-	-	-	-	-
591	Drug stores and proprietary stores	-	443.7	439.6	444.9	441.3	-	395.0	390.1	397.4	394.5
594	Book and stationery stores	-	68.3	66.1	65.9	65.4	-	59.1	56.9	57.0	56.5
596	Farm and garden supply stores	-	106.5	107.3	105.7	105.5	-	-	-	-	-
598	Fuel and ice dealers	-	105.5	102.1	110.4	105.4	-	91.7	88.1	95.7	91.4
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	3,695	3,689	3,695	3,597	3,589	2,909	2,908	2,916	2,853	2,852
60	Banking	-	1,053.7	1,054.4	1,009.4	1,002.8	-	865.2	866.7	836.8	832.3
61	Credit agencies other than banks	-	369.8	370.1	364.5	363.3	-	288.4	289.0	283.3	283.8
612	Savings and loan associations	-	111.2	110.2	104.5	104.7	-	88.9	88.0	83.3	83.6
614	Personal credit institutions	-	191.1	192.0	193.5	193.3	-	-	-	-	-
62	Security, commodity brokers & services	-	186.8	188.2	211.3	214.6	-	158.3	159.3	184.5	188.0
63	Insurance carriers	-	1,067.4	1,066.2	1,027.4	1,203.6	-	748.7	749.1	720.0	716.6
631	Life insurance	-	556.3	554.9	533.7	532.8	-	331.5	331.4	315.8	314.8
632	Accident and health insurance	-	95.6	95.5	89.4	88.4	-	82.3	82.3	77.1	76.3
633	Fire, marine, and casualty insurance	-	370.7	371.2	359.5	357.6	-	298.1	298.7	289.6	287.9
64	Insurance agents, brokers, and service	-	277.8	278.0	267.0	266.0	-	-	-	-	-
65	Real estate	-	647.0	653.4	635.8	637.3	-	-	-	-	-
655	Subdividers and developers	-	89.1	90.7	84.2	86.1	-	-	-	-	-
656	Operative builders	-	40.7	40.9	44.9	45.6	-	-	-	-	-
66,67	Other finance, insurance, & real estate	-	86.0	84.8	81.8	81.7	-	-	-	-	-
-	SERVICES	11,659	11,681	11,634	11,349	11,372	10,589	10,612	10,561	10,334	10,369
70	Hotels and other lodging places	-	724.4	771.3	714.5	738.4	-	-	-	-	-
701	Hotels, tourist courts, and motels	-	649.4	682.7	653.2	670.3	-	600.5	632.2	603.4	621.6
72	Personal services	-	989.9	984.1	1,025.4	1,028.0	-	-	-	-	-
721	Laundries and dry cleaning plants	-	503.4	502.7	531.6	534.5	-	457.1	456.3	483.6	486.3
722	Photographic studios	-	43.4	40.1	42.6	42.5	-	37.5	34.7	37.3	36.5
73	Miscellaneous business services	-	1,578.5	1,572.9	1,558.2	1,555.5	-	-	-	-	-
731	Advertising	-	120.6	121.6	122.9	122.1	-	-	-	-	-
732	Credit reporting and collection	-	78.6	77.3	78.1	77.4	-	-	-	-	-
734	Services to buildings	-	298.6	300.1	274.6	274.5	-	-	-	-	-
76	Miscellaneous repair services	-	182.7	181.3	182.6	183.7	-	-	-	-	-
78	Motion pictures	-	193.6	199.0	196.9	203.2	-	-	-	-	-
781	Motion picture filming & distributing	-	48.6	49.8	57.6	57.6	-	19.7	32.6	37.7	38.5
782,3	Motion picture theaters and services	-	145.0	149.2	139.3	145.6	-	-	-	-	-
80	Medical and other health services	-	3,139.8	3,123.0	2,950.0	2,927.8	-	-	-	-	-
806	Hospitals	-	1,915.0	1,901.4	1,814.4	1,800.9	-	-	-	-	-
81	Legal services	-	240.5	240.6	228.5	227.0	-	-	-	-	-
82	Educational services	-	1,211.6	1,098.9	1,184.5	1,164.3	-	-	-	-	-
821	Elementary and secondary schools	-	414.3	386.9	399.8	393.2	-	-	-	-	-
822	Colleges and universities	-	696.2	617.1	688.9	677.3	-	-	-	-	-
89	Miscellaneous services	-	647.2	651.5	641.8	638.6	-	-	-	-	-
891	Engineering & architectural services	-	298.1	301.0	306.3	306.8	-	-	-	-	-
892	Nonprofit research agencies	-	105.6	105.3	108.8	106.0	-	-	-	-	-

See footnotes at end of table.

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

(In thousands)

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969
-	GOVERNMENT	12,935	12,826	12,456	12,461	12,375	-	-	-	-	-
91	FEDERAL GOVERNMENT ⁵	2,641	2,643	2,649	2,705	2,717	-	-	-	-	-
	Executive	-	2,606.6	2,611.9	2,669.2	2,681.6	-	-	-	-	-
	Department of Defense	-	1,009.1	1,013.4	1,091.0	1,102.8	-	-	-	-	-
	Post Office Department	-	718.0	718.7	726.1	725.5	-	-	-	-	-
	Other agencies	-	879.5	879.8	852.1	853.3	-	-	-	-	-
	Legislative	-	29.9	29.8	28.7	29.0	-	-	-	-	-
	Judicial	-	6.9	6.8	6.7	6.7	-	-	-	-	-
92,93	STATE AND LOCAL GOVERNMENT ...	10,294	10,183	9,807	9,756	9,658	-	-	-	-	-
92	State government	-	2,775.6	2,625.1	2,634.7	2,613.6	-	-	-	-	-
	State education	-	1,201.5	1,030.1	1,134.2	1,112.4	-	-	-	-	-
	Other State government	-	1,574.1	1,595.0	1,500.5	1,501.2	-	-	-	-	-
93	Local government	-	7,407.4	7,181.7	7,121.5	7,044.5	-	-	-	-	-
	Local education	-	4,249.3	3,974.9	4,090.8	4,026.3	-	-	-	-	-
	Other local government	-	3,158.1	3,206.8	3,030.7	3,018.2	-	-	-	-	-

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

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

³Data for nonsupervisory workers exclude messengers.

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

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

*Not available.

p - preliminary.

ESTABLISHMENT DATA

SEASONALLY ADJUSTED EMPLOYMENT

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

1957-59=100

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	51.6	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	34.1	-	-
1920.....	52.1	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	33.2	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.2	-	-
1922.....	49.2	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.3	-	-
1923.....	54.1	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.2	-	-
1924.....	53.4	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.3	34.7	-	-
1925.....	54.8	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.7	-	-
1926.....	56.8	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.3	-	-
1927.....	57.1	144.7	55.7	60.3	95.6	54.1	-	-	54.0	45.9	37.2	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	38.2	-	-
1929.....	59.7	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	39.1	24.1	45.0
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	40.1	23.8	46.6
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.6	25.3	48.0
1932.....	45.0	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	41.1	25.2	47.3
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.4	25.5	46.2
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	42.0	29.4	47.0
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.4	34.0	48.4
1936.....	55.4	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.2	46.7	37.3	50.5
1937.....	59.1	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.9	37.6	51.9
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.5	37.4	54.2
1939.....	58.3	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.9	40.9	54.9
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.6	45.0	56.9
1941.....	69.6	124.3	62.0	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	102.6	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: 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
1969: 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
1970: 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
1970: March.....	135.6	81.3	120.6	120.2	110.5	137.2	132.8	138.8	144.9	167.3	159.4	124.9	172.9
1970: April.....	135.5	80.8	118.7	119.3	109.6	137.3	133.0	138.8	145.2	167.7	160.7	128.2	173.5
1970: May.....	134.9	80.5	116.1	117.9	109.9	137.1	133.3	138.4	145.3	167.8	160.6	125.0	174.6
1970: June.....	134.5	80.5	115.1	117.3	110.7	136.7	132.9	138.0	145.4	167.3	160.1	121.5	175.2
1970: July.....	134.4	80.3	114.8	116.9	111.4	136.7	133.1	138.0	145.3	167.0	160.5	120.5	176.2
1970: August.....	134.1	80.4	114.5	116.1	110.9	136.5	132.6	138.0	145.1	167.1	160.5	120.1	176.4
1970: September.....	134.3	80.6	113.0	116.2	110.7	137.0	132.9	138.5	145.6	168.6	160.4	119.6	176.4
1970: October ^p	133.7	80.5	113.4	112.8	110.5	137.4	133.1	138.9	146.1	169.2	162.2	119.9	178.8
1970: November ^p	133.4	81.3	113.4	112.0	110.2	136.6	132.4	138.1	146.6	169.6	162.8	119.9	179.7

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	
	Nov. p	Oct. p	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
TOTAL	70,082	70,216	70,531	70,414	70,587	70,629	70,839	71,149	71,242	71,135	70,992	70,842	70,808
GOODS PRODUCING	22,490	22,619	23,168	23,195	23,334	23,421	23,543	23,843	24,051	24,029	24,037	24,205	24,179
MINING	626	620	621	619	618	620	620	622	626	626	625	627	624
CONTRACT CONSTRUCTION	3,274	3,273	3,262	3,305	3,314	3,324	3,351	3,426	3,481	3,466	3,394	3,496	3,473
MANUFACTURING	18,590	18,726	19,285	19,271	19,402	19,477	19,572	19,795	19,944	19,937	20,018	20,082	20,082
DURABLE GOODS	10,510	10,645	11,145	11,134	11,217	11,286	11,386	11,529	11,648	11,625	11,679	11,773	11,782
Ordnance and accessories	224	228	237	240	243	250	256	261	271	277	281	290	296
Lumber and wood products	569	574	575	570	570	575	582	585	593	598	605	606	603
Furniture and fixtures	454	453	457	453	454	453	456	468	471	472	477	478	479
Stone, clay, and glass products	625	629	635	631	628	636	638	644	651	657	653	659	659
Primary metal industries	1,259	1,274	1,315	1,298	1,301	1,305	1,309	1,323	1,337	1,349	1,360	1,380	1,384
Fabricated metal products	1,326	1,346	1,395	1,387	1,387	1,388	1,394	1,411	1,425	1,428	1,436	1,447	1,444
Machinery, except electrical	1,850	1,878	1,926	1,939	1,969	1,982	2,004	2,032	2,046	2,048	2,043	2,051	2,043
Electrical equipment	1,815	1,840	1,896	1,903	1,934	1,936	1,956	1,979	1,995	1,993	1,922	1,930	1,934
Transportation equipment	1,538	1,565	1,839	1,841	1,853	1,876	1,897	1,925	1,950	1,890	1,988	2,009	2,028
Instruments and related products	439	445	452	453	458	461	468	471	472	472	474	476	476
Miscellaneous manufacturing	411	413	418	419	420	424	426	430	437	441	440	447	436
NONDURABLE GOODS	8,080	8,081	8,140	8,137	8,185	8,191	8,186	8,266	8,296	8,312	8,339	8,309	8,300
Food and kindred products	1,789	1,768	1,779	1,784	1,789	1,800	1,805	1,805	1,823	1,830	1,817	1,805	1,806
Tobacco manufactures	78	76	76	82	81	81	81	81	81	80	80	77	80
Textile mill products	941	947	955	954	955	959	971	979	980	987	999	995	993
Apparel and other textile products	1,373	1,367	1,380	1,376	1,393	1,385	1,375	1,394	1,396	1,398	1,416	1,410	1,405
Paper and allied products	700	698	706	703	706	711	714	721	721	720	721	720	718
Printing and publishing	1,099	1,102	1,105	1,103	1,105	1,103	1,108	1,111	1,113	1,113	1,113	1,110	1,109
Chemicals and allied products	1,044	1,053	1,056	1,053	1,054	1,055	1,060	1,063	1,066	1,067	1,068	1,067	1,064
Petroleum and coal products	191	190	190	191	191	193	192	193	194	193	193	192	191
Rubber and plastics products, nec	543	557	569	567	578	570	548	585	589	591	595	594	596
Leather and leather products	322	323	324	324	333	334	332	334	333	333	337	339	338
SERVICE PRODUCING	47,592	47,597	47,363	47,219	47,253	47,208	47,296	47,306	47,191	47,106	46,955	46,637	46,629
TRANSPORTATION AND PUBLIC UTILITIES	4,493	4,502	4,511	4,520	4,539	4,511	4,478	4,468	4,502	4,496	4,507	4,469	4,464
WHOLESALE AND RETAIL TRADE	14,919	15,004	14,961	14,912	14,933	14,927	14,968	14,991	14,984	14,987	14,938	14,750	14,848
WHOLESALE TRADE	3,833	3,855	3,850	3,840	3,856	3,849	3,859	3,853	3,847	3,834	3,828	3,807	3,782
RETAIL TRADE	11,086	11,149	11,111	11,072	11,077	11,078	11,109	11,138	11,137	11,153	11,110	10,943	11,066
FINANCE, INSURANCE, AND REAL ESTATE	3,710	3,696	3,684	3,670	3,676	3,679	3,677	3,673	3,665	3,652	3,648	3,626	3,611
SERVICES	11,694	11,669	11,622	11,521	11,514	11,532	11,572	11,564	11,537	11,530	11,472	11,431	11,383
Hotels and other lodging places	-	746	754	715	722	749	764	768	772	770	775	770	760
Personal services	-	987	988	983	989	1,000	1,005	1,006	1,015	1,018	1,016	1,016	1,021
Medical and other health services	-	3,143	3,129	3,102	3,086	3,070	3,058	3,034	3,025	3,007	2,992	2,973	2,950
Educational services	-	1,167	1,143	1,143	1,147	1,145	1,146	1,151	1,143	1,145	1,125	1,129	1,125
GOVERNMENT	12,776	12,726	12,585	12,596	12,591	12,559	12,601	12,610	12,503	12,441	12,390	12,361	12,323
FEDERAL	2,654	2,654	2,649	2,659	2,668	2,689	2,768	2,838	2,766	2,718	2,717	2,721	2,730
STATE AND LOCAL	10,122	10,072	9,936	9,937	9,923	9,870	9,833	9,772	9,737	9,723	9,673	9,640	9,593

p - preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

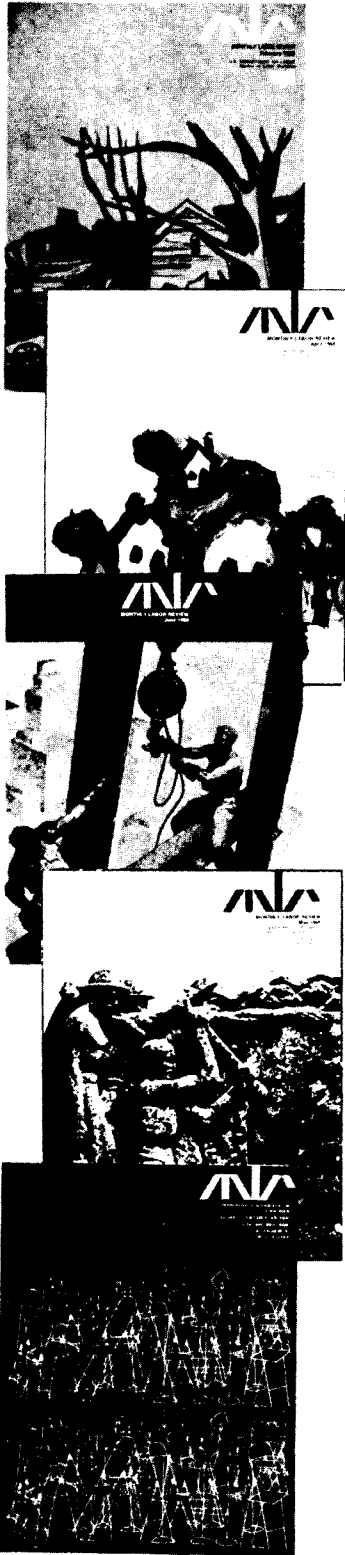
B-6: Production workers in industrial and construction activities¹
seasonally adjusted

(In thousands)

Major industry group	1970											1969	
	Nov. p	Oct. p	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
TOTAL	16,559	16,669	17,179	17,201	17,327	17,382	17,447	17,734	17,905	17,878	17,890	18,062	18,041
MINING	478	472	471	469	469	471	470	474	476	477	477	477	475
CONTRACT CONSTRUCTION	2,717	2,723	2,708	2,758	2,768	2,771	2,797	2,871	2,917	2,912	2,840	2,947	2,928
MANUFACTURING	13,364	13,474	14,000	13,974	14,090	14,140	14,180	14,389	14,512	14,489	14,573	14,638	14,638
DURABLE GOODS	7,463	7,571	8,039	8,019	8,082	8,134	8,186	8,318	8,409	8,367	8,425	8,516	8,522
Ordnance and accessories	118	121	128	129	131	137	141	143	151	155	156	164	168
Lumber and wood products	490	494	495	491	491	495	501	504	511	515	523	524	522
Furniture and fixtures	373	373	377	372	373	372	375	386	390	390	395	396	397
Stone, clay, and glass products	495	499	505	500	499	505	506	512	517	522	520	527	526
Primary metal industries	991	1,008	1,047	1,031	1,033	1,034	1,037	1,049	1,063	1,072	1,086	1,103	1,108
Fabricated metal products	1,000	1,019	1,067	1,060	1,058	1,057	1,060	1,079	1,087	1,090	1,100	1,110	1,106
Machinery, except electrical	1,215	1,236	1,281	1,288	1,316	1,321	1,340	1,366	1,381	1,381	1,383	1,391	1,384
Electrical equipment and supplies	1,195	1,214	1,258	1,266	1,289	1,297	1,294	1,313	1,323	1,319	1,246	1,255	1,264
Transportation equipment	1,007	1,023	1,286	1,285	1,290	1,309	1,317	1,345	1,358	1,291	1,384	1,403	1,418
Instruments and related products	265	268	273	274	278	280	286	289	289	289	289	292	292
Miscellaneous manufacturing industries	314	316	322	323	324	327	329	332	339	343	343	351	337
NONDURABLE GOODS	5,901	5,903	5,961	5,955	6,008	6,006	5,994	6,071	6,103	6,122	6,148	6,122	6,116
Food and kindred products	1,200	1,183	1,193	1,198	1,203	1,214	1,216	1,217	1,235	1,241	1,226	1,213	1,214
Tobacco manufactures	65	63	63	69	67	67	68	67	67	67	67	64	67
Textile mill products	825	830	839	837	839	842	852	860	861	867	878	874	873
Apparel and other textile products	1,202	1,197	1,210	1,206	1,223	1,214	1,206	1,221	1,223	1,226	1,242	1,238	1,233
Paper and allied products	537	534	543	540	544	549	551	556	558	557	558	557	554
Printing and publishing	675	677	680	676	680	679	681	687	690	690	691	691	690
Chemicals and allied products	597	605	606	602	605	603	606	610	613	616	619	620	619
Petroleum and coal products	116	116	115	117	118	118	118	118	119	119	119	118	118
Rubber and plastics products, nec	410	423	436	433	444	434	412	450	453	454	459	457	459
Leather and leather products	274	275	276	277	285	286	284	285	284	285	289	290	289

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

p = preliminary.



Q

What do these men and women have in common?

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

A

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

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**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969
1	ALABAMA	995.6	998.2	1,010.5	8.6	8.6	8.4	45.8	46.9	56.5	317.3	319.9	327.3
2	Birmingham	250.3	250.6	258.5	5.7	5.7	5.4	7.9	8.1	16.1	70.5	71.0	72.9
3	Huntsville	76.5	76.9	77.4	(1)	(1)	(1)	2.7	2.9	3.0	12.7	12.8	12.4
4	Mobile	104.5	105.2	106.6	(1)	(1)	(1)	6.6	6.7	6.9	24.7	24.9	25.7
5	Montgomery	68.9	69.3	68.7	(1)	(1)	(1)	5.1	5.0	5.7	10.7	10.9	10.6
6	Tuscaloosa	38.1	37.6	37.5	(1)	(1)	(1)	3.0	3.1	2.7	10.4	10.4	10.2
7	ALASKA ²	94.1	98.3	90.2	2.5	2.5	3.4	9.3	10.5	9.1	6.8	8.2	6.7
8	ARIZONA ²	545.9	540.2	532.0	20.9	20.9	18.6	37.6	37.0	36.5	86.7	88.1	97.4
9	Phoenix ²	324.8	322.0	319.1	.2	.2	.2	20.1	19.9	20.4	67.0	68.4	77.5
10	Tucson ²	107.1	105.2	100.8	6.7	6.6	5.5	9.9	9.7	10.2	9.2	9.1	8.8
11	ARKANSAS	535.7	538.3	539.2	4.2	4.2	4.5	28.7	30.2	30.8	166.0	166.7	170.9
12	Fayetteville	25.8	26.2	25.5	(1)	(1)	(1)	1.4	1.5	1.3	7.4	7.7	7.6
13	Fort Smith	44.3	44.8	45.5	.5	.5	.5	2.8	3.2	3.3	15.6	15.7	16.3
14	Little Rock-North Little Rock	122.4	122.2	124.0	(1)	(1)	(1)	7.7	8.3	9.3	27.2	26.7	28.3
15	Pine Bluff	24.6	24.3	24.9	(1)	(1)	(1)	1.1	1.2	1.3	5.5	5.5	5.8
16	CALIFORNIA	7,013.1	7,054.7	7,011.4	31.5	31.9	32.7	297.2	305.3	315.7	1,530.9	1,588.1	1,669.1
17	Anaheim-Santa Ana-Garden Grove ..	429.1	427.9	415.2	1.7	1.8	1.9	23.3	23.5	22.3	119.5	120.6	128.6
18	Bakersfield	90.7	89.9	91.0	6.5	6.6	7.0	4.1	4.2	5.2	8.2	8.1	8.3
19	Fresno	122.5	122.8	121.9	.9	.9	.7	4.8	4.9	5.1	19.1	20.0	20.0
20	Los Angeles-Long Beach ²	2,888.6	2,894.7	2,933.6	11.1	11.1	11.5	109.3	112.2	114.3	789.3	803.3	881.8
21	Modesto-Turlock	56.3	61.9	57.4	.1	.1	.1	3.0	3.2	3.1	14.8	21.4	15.9
22	Oxnard-Ventura	95.9	95.5	93.7	1.9	1.9	1.8	5.0	5.1	5.2	13.7	14.0	15.1
23	Sacramento	269.3	270.3	264.5	.1	.1	.1	12.6	12.9	12.7	23.3	26.5	24.0
24	Salinas-Monterey ²	65.1	65.3	63.0	.5	.5	.5	2.5	2.6	2.7	7.9	7.8	7.6
25	San Bernardino-Riverside-Ontario ..	296.4	295.0	288.6	2.5	2.5	2.3	13.8	14.6	14.8	53.3	53.7	54.0
26	San Diego	383.8	388.7	383.6	.5	.5	.5	19.6	20.7	21.2	62.5	66.5	70.4
27	San Francisco-Oakland ²	1,267.0	1,275.4	1,272.8	1.9	1.9	2.0	61.8	62.1	65.5	196.7	207.2	211.2
28	San Jose ²	385.4	390.7	383.6	.1	.2	.1	17.8	18.2	19.7	124.9	133.0	131.2
29	Santa Barbara	82.8	82.7	82.8	1.0	1.0	1.2	3.3	3.5	4.2	10.5	10.4	11.3
30	Santa Rosa ²	52.3	52.7	50.5	.3	.3	.3	2.5	2.5	2.8	7.8	7.7	7.9
31	Stockton	92.3	95.0	90.4	.1	.1	.1	3.5	3.6	3.5	17.7	21.3	17.5
32	Vallejo-Napa ²	69.0	69.2	69.2	.2	.2	.1	2.4	2.5	2.6	7.6	7.9	7.7
33	COLORADO	744.8	740.0	719.5	13.8	13.9	13.4	43.8	44.5	39.2	117.5	115.1	116.8
34	Denver	478.0	477.8	462.1	4.3	4.3	4.6	31.4	31.7	25.9	83.4	82.9	82.6
35	CONNECTICUT	1,184.9	1,191.3	1,207.6	(3)	(3)	(3)	58.9	61.0	61.1	430.8	441.1	470.2
36	Bridgeport	150.4	150.7	157.6	(3)	(3)	(3)	6.9	7.0	6.6	66.5	67.5	76.8
37	Hartford	323.8	323.4	319.4	(3)	(3)	(3)	16.8	16.9	16.3	98.6	101.0	104.1
38	New Britain	45.8	45.8	47.3	(3)	(3)	(3)	2.0	2.1	2.3	23.5	23.7	25.0
39	New Haven	157.4	155.7	156.0	(3)	(3)	(3)	8.6	8.7	8.7	41.8	42.2	43.4
40	Stamford	83.6	83.9	80.1	(3)	(3)	(3)	4.2	4.1	4.0	28.4	28.6	27.6
41	Waterbury	76.3	76.7	80.4	(3)	(3)	(3)	3.4	3.4	3.5	35.0	35.6	39.6
42	DELAWARE	203.7	206.6	210.2	(1)	(1)	(1)	13.1	12.9	13.9	66.4	71.1	74.1
43	Wilmington	184.4	186.6	190.0	(1)	(1)	(1)	12.0	11.9	13.0	64.4	68.7	70.9
44	DISTRICT OF COLUMBIA ⁴	684.4	684.1	679.5	(1)	(1)	(1)	17.5	17.5	18.5	19.9	19.8	20.2
45	Washington SMSA	1,139.2	1,138.0	1,124.3	(1)	(1)	(1)	68.3	68.5	69.4	44.6	44.5	45.3
46	FLORIDA	2,144.5	2,126.3	2,096.1	7.8	7.9	8.0	166.9	165.9	176.2	315.2	313.2	324.6
47	Fort Lauderdale-Hollywood	164.0	164.1	169.6	(1)	(1)	(1)	20.1	20.9	28.4	18.8	19.2	21.0
48	Jacksonville	(*)	191.0	191.1	(*)	(1)	(1)	(*)	13.0	13.3	(*)	24.4	24.8
49	Miami	(*)	496.2	488.1	(*)	(1)	(1)	(*)	33.4	34.6	(*)	77.5	78.8
50	Orlando	(*)	136.5	131.9	(*)	(1)	(1)	(*)	14.4	12.4	(*)	19.6	21.7
51	Pensacola	67.8	67.8	67.2	(1)	(1)	(1)	5.3	5.4	5.0	14.4	14.4	14.6
52	Tampa-St. Petersburg	(*)	302.0	295.9	(*)	(1)	(1)	(*)	23.4	23.0	(*)	53.5	53.9
53	West Palm Beach	110.0	108.3	105.3	(1)	(1)	(1)	11.9	11.9	13.3	20.5	20.4	18.8
54	GEORGIA	1,525.9	1,526.1	1,542.7	6.6	6.8	7.0	76.2	71.2	83.2	447.8	459.5	482.4
55	Atlanta	605.0	606.3	608.1	(1)	(1)	(1)	29.8	23.8	34.9	115.1	124.8	133.4

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			
Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	
56.6	57.1	56.6	188.8	188.9	187.3	42.1	42.4	41.1	126.8	127.7	126.9	209.6	206.7	206.4	1
18.8	18.8	18.5	59.4	59.3	59.2	18.0	18.0	17.3	36.7	36.6	36.0	33.3	33.1	33.1	2
1.9	1.9	1.9	12.1	12.1	12.1	2.0	2.0	2.0	15.8	15.8	16.4	29.3	29.4	29.6	3
10.3	10.4	10.6	25.1	25.1	25.4	5.1	5.1	5.0	15.5	15.6	16.2	17.2	17.4	16.8	4
4.4	4.5	4.5	15.3	15.3	15.0	4.6	4.7	4.4	10.4	10.4	10.4	18.4	18.5	18.1	5
1.6	1.6	1.5	6.2	6.1	6.0	1.2	1.2	1.2	3.4	3.2	3.5	12.3	12.0	12.4	6
10.0	10.4	9.3	15.3	15.5	14.7	3.1	3.1	2.8	10.9	11.7	10.7	36.2	36.4	33.5	7
30.7	30.5	28.6	128.3	126.7	121.3	30.3	30.2	28.4	90.6	89.1	86.8	120.8	117.7	114.4	8
18.2	18.2	16.6	82.0	80.7	77.2	22.5	22.5	20.9	55.4	54.0	51.5	59.4	58.1	54.8	9
5.9	5.9	5.6	24.1	23.6	22.5	4.8	4.7	4.4	19.0	18.9	18.2	27.5	26.7	25.6	10
31.9	32.0	33.2	106.0	107.2	104.6	20.9	21.2	20.6	74.1	75.3	72.3	103.9	101.5	102.3	11
2.4	2.3	2.2	4.9	4.9	4.8	.6	.6	.6	3.4	3.4	3.3	5.7	5.8	5.7	12
2.7	2.8	2.7	8.8	8.8	8.9	1.5	1.5	1.4	6.4	6.4	6.4	6.0	5.9	6.0	13
9.4	9.4	9.6	26.5	26.5	26.1	8.6	8.7	8.6	18.5	18.5	18.2	24.5	24.1	23.9	14
3.4	3.3	3.2	4.6	4.6	4.5	.9	.9	.9	3.2	3.2	3.3	5.9	5.6	5.9	15
475.9	480.3	467.7	1,569.4	1,570.6	1,516.3	382.6	382.2	370.1	1,293.1	1,293.3	1,236.7	1,432.5	1,403.0	1,403.1	16
14.9	14.7	13.9	103.5	103.8	93.8	23.4	23.4	21.6	74.6	75.5	67.9	68.2	64.6	65.2	17
6.5	6.3	6.7	20.2	20.7	19.8	3.7	3.6	3.6	15.3	14.5	15.0	26.2	25.9	25.4	18
8.5	8.5	8.5	32.6	33.1	31.7	5.4	5.4	5.3	22.4	21.7	21.8	28.8	28.3	28.8	19
178.0	179.2	178.1	650.4	649.0	632.8	173.5	173.4	164.4	555.1	554.4	537.3	421.9	412.1	413.4	20
2.7	2.8	2.7	12.9	12.4	12.7	1.5	1.6	1.4	10.4	10.2	10.1	10.9	10.2	11.4	21
4.3	4.2	4.0	23.0	22.9	20.9	3.5	3.5	3.3	15.8	15.6	14.6	28.7	28.3	28.8	22
17.7	18.0	17.6	56.8	55.8	54.9	10.6	10.6	10.5	38.9	39.6	37.2	109.3	106.8	107.5	23
4.4	4.4	4.2	17.2	17.5	16.7	2.3	2.3	2.4	12.7	13.1	11.7	17.6	17.1	17.2	24
17.8	18.1	17.5	66.9	66.8	63.1	10.2	10.2	10.0	57.0	56.1	53.1	74.9	73.0	73.8	25
20.6	20.9	20.0	87.0	87.7	84.5	18.5	18.4	17.7	76.4	77.3	71.6	98.7	96.7	97.7	26
135.5	137.1	136.3	271.1	272.1	268.4	97.9	97.9	96.4	227.6	229.0	219.8	274.5	268.1	273.2	27
17.3	17.8	16.5	73.6	72.5	69.6	13.6	13.5	13.3	76.9	75.9	75.4	61.2	59.6	57.8	28
3.6	3.6	3.6	18.4	18.6	17.9	3.3	3.3	3.1	20.7	20.7	20.2	22.0	21.6	21.3	29
2.7	2.8	2.6	12.7	13.1	12.3	3.2	3.2	3.0	9.2	9.6	8.7	13.9	13.5	12.9	30
7.5	7.4	7.2	20.7	20.3	20.6	3.1	3.1	3.0	14.8	14.5	14.1	24.9	24.7	24.4	31
3.6	3.7	3.6	12.4	12.7	11.9	1.8	1.8	1.7	10.9	10.6	10.6	30.1	29.8	31.0	32
53.2	53.1	51.2	174.4	174.9	171.8	38.3	38.4	36.6	125.9	127.2	123.2	177.9	172.9	167.3	33
37.0	37.2	35.8	117.9	117.9	116.0	29.1	29.3	28.4	84.8	85.5	83.1	90.1	89.0	85.7	34
54.5	54.6	55.0	229.4	226.4	222.9	73.3	73.3	70.8	181.6	182.0	177.2	156.5	152.9	150.5	35
6.4	6.5	6.4	30.3	29.9	28.6	4.8	4.8	4.6	21.5	21.7	20.8	14.0	13.3	13.7	36
12.2	12.1	11.9	61.8	59.6	58.3	42.8	42.8	41.3	46.1	46.2	44.6	45.5	44.9	43.0	37
1.6	1.7	1.6	7.4	7.3	7.1	1.2	1.2	1.1	5.3	5.2	5.1	4.8	4.8	5.0	38
14.0	13.9	13.7	32.6	31.9	31.4	8.1	8.2	8.0	33.2	33.1	31.6	19.2	17.8	19.3	39
3.5	3.4	3.3	17.5	17.7	16.7	4.5	4.5	4.2	17.3	17.5	16.5	8.1	8.1	7.9	40
3.3	3.3	3.3	13.2	13.1	13.3	2.3	2.3	2.1	10.9	10.9	10.3	8.2	8.3	8.3	41
10.7	10.9	10.7	43.1	42.8	42.6	9.1	9.1	8.7	28.3	28.3	29.3	33.0	31.5	30.9	42
9.4	9.6	9.5	36.6	36.1	36.1	8.1	8.1	7.7	26.2	25.8	27.0	27.7	26.4	25.8	43
30.4	31.1	30.4	85.0	84.9	85.9	32.5	32.5	32.0	136.3	135.5	134.7	362.8	362.8	357.8	44
60.8	61.6	59.1	227.0	225.9	224.4	65.1	65.2	63.7	244.3	244.6	241.1	429.1	427.7	421.3	45
161.8	162.3	152.8	562.2	552.3	533.8	131.8	131.2	126.1	391.1	390.5	383.8	407.7	403.0	390.8	46
10.3	10.4	8.9	46.2	45.3	44.1	11.2	11.1	10.8	31.5	31.5	32.2	25.9	25.7	24.2	47
(*)	21.2	20.8	(*)	52.1	52.0	(*)	18.7	17.9	(*)	28.5	28.4	(*)	33.1	33.9	48
(*)	56.1	56.1	(*)	132.0	126.0	(*)	32.3	31.6	(*)	107.3	104.7	(*)	57.6	56.3	49
(*)	8.6	8.0	(*)	37.8	36.9	(*)	9.3	9.1	(*)	24.2	22.6	(*)	22.6	21.2	50
3.4	3.5	3.4	14.6	14.5	14.6	2.6	2.6	2.6	8.9	8.8	8.7	18.6	18.6	18.3	51
(*)	21.7	20.6	(*)	86.5	83.9	(*)	17.9	17.4	(*)	55.0	54.0	(*)	44.0	43.1	52
5.3	5.2	4.8	27.5	27.0	25.9	7.0	6.9	6.6	21.5	20.4	20.0	16.3	16.5	15.9	53
108.7	109.4	105.8	328.5	326.6	324.1	75.5	75.2	72.3	180.7	180.0	177.6	301.9	297.4	290.3	54
60.0	60.8	58.9	168.5	167.0	161.8	43.4	43.1	41.2	90.1	90.0	87.1	98.1	96.8	90.8	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969
GEORGIA (continued)													
1	Augusta	87.3	87.2	89.1	(1)	(1)	(1)	5.9	6.0	5.7	29.1	29.3	31.3
2	Columbus	68.6	69.9	70.3	(1)	(1)	(1)	4.3	4.2	4.3	18.8	18.7	19.6
3	Macon	76.6	76.4	79.4	(1)	(1)	(1)	4.4	4.7	5.0	12.9	12.9	15.6
4	Savannah	65.7	65.8	68.3	(1)	(1)	(1)	4.4	4.5	4.2	15.2	15.5	17.3
HAWAII													
5	Honolulu	285.3	287.0	276.2	(1)	(1)	(1)	22.6	22.9	23.2	22.0	23.4	22.6
6	Honolulu	244.2	244.3	235.0	(1)	(1)	(1)	19.9	20.2	20.9	15.6	16.9	15.6
IDAHO													
7	Boise	210.1	213.1	206.8	3.4	3.5	3.5	11.8	12.4	12.3	42.0	41.1	42.1
8	Boise	42.6	43.1	40.2	(1)	(1)	(1)	2.9	2.9	2.9	4.9	5.0	4.6
ILLINOIS													
9	Chicago ⁵	4,409.2	4,422.7	4,416.4	22.7	22.9	23.6	208.2	212.8	209.6	1,350.9	1,372.7	1,406.3
10	Chicago ⁵	3,037.9	3,048.0	3,055.8	4.7	4.8	5.1	133.5	134.9	138.4	935.6	956.2	985.5
11	Chicago-Northwestern Indiana	(*)	3,269.2	3,281.3	(*)	4.9	5.1	(*)	150.0	153.9	(*)	1,061.2	1,093.9
12	Davenport-Rock Island-Moline	(*)	132.4	132.2	(*)	(3)	(3)	(*)	6.7	6.6	(*)	42.7	43.3
13	Peoria	(*)	134.3	132.9	(*)	(3)	(3)	(*)	8.8	8.4	(*)	49.9	49.5
14	Rockford	109.7	110.5	114.3	(3)	(3)	(3)	5.2	5.1	5.4	52.2	53.9	57.5
INDIANA²													
15	Evansville	1,820.2	1,873.4	1,901.8	6.9	7.2	7.4	81.1	83.8	90.4	677.4	729.3	762.0
16	Evansville	89.7	89.6	89.5	1.6	1.6	1.5	4.9	4.9	4.8	33.6	33.8	34.1
17	Fort Wayne	122.1	122.9	121.1	(1)	(1)	(1)	5.8	5.9	6.0	44.4	44.9	46.9
18	Gary-Hammond-East Chicago ⁵	225.1	227.7	225.5	(1)	(1)	(1)	15.1	15.2	15.6	106.7	108.7	108.4
19	Indianapolis	422.1	431.8	434.5	(1)	(1)	(1)	22.0	22.5	23.3	125.4	132.6	140.6
20	Muncie	44.1	47.8	48.6	(1)	(1)	(1)	1.9	1.9	2.0	15.0	18.8	19.9
21	South Bend	92.9	93.8	97.5	(1)	(1)	(1)	4.0	4.3	4.5	31.7	32.5	35.3
22	Terre Haute	56.4	55.6	55.8	1.2	1.2	1.0	2.7	2.8	2.7	15.7	15.5	15.9
IOWA													
23	Cedar Rapids	886.3	888.3	892.1	3.3	3.4	3.4	43.6	45.9	43.6	208.6	211.4	225.6
24	Cedar Rapids	64.3	64.6	68.1	(1)	(1)	(1)	2.4	2.3	2.8	24.6	24.7	28.2
25	Des Moines	129.7	129.5	129.4	(1)	(1)	(1)	6.9	6.8	6.4	24.4	24.8	26.2
26	Dubuque	34.1	33.3	34.0	(1)	(1)	(1)	1.9	1.9	1.7	13.5	12.9	14.0
27	Sioux City	42.5	42.4	40.7	(1)	(1)	(1)	1.8	1.8	2.1	10.4	10.3	8.9
28	Waterloo	49.0	48.9	50.8	(1)	(1)	(1)	2.6	2.7	2.5	17.2	17.8	19.4
KANSAS²													
29	Topeka	670.5	676.7	695.3	10.6	10.6	11.5	30.7	31.2	36.1	124.4	131.4	148.7
30	Topeka	62.0	62.8	62.3	.1	.1	.1	3.0	3.1	3.7	9.3	9.6	9.2
31	Wichita	134.8	135.5	151.5	2.4	2.4	2.8	5.7	5.9	7.7	35.6	36.6	48.6
KENTUCKY													
32	Lexington	922.4	918.9	914.1	28.1	28.3	27.6	54.1	51.9	59.0	249.8	250.7	254.4
33	Lexington	78.2	78.4	79.9	(1)	(1)	(1)	5.4	5.7	5.5	15.4	15.7	16.8
34	Louisville	335.2	337.7	339.0	(1)	(1)	(1)	16.6	16.8	18.7	113.6	114.7	122.0
LOUISIANA													
35	Baton Rouge	1,047.9	1,046.5	1,060.0	50.6	50.7	52.2	77.8	78.1	86.6	178.8	178.5	182.7
36	Baton Rouge	102.3	102.0	103.3	.7	.7	.5	13.0	12.7	12.4	17.7	17.8	18.6
37	Lake Charles	41.8	41.3	43.0	1.6	1.6	1.5	4.8	4.8	6.1	9.3	9.2	9.3
38	Monroe	38.6	38.7	38.6	.4	.4	.4	3.5	3.6	3.8	6.3	6.3	6.7
39	New Orleans	372.6	371.7	375.9	14.2	14.1	15.3	21.7	21.8	22.5	53.4	53.7	55.9
40	Shreveport	93.2	93.2	93.9	3.8	3.8	4.1	6.2	6.2	6.3	16.2	16.4	17.1
MAINE													
41	Lewiston-Auburn	331.2	331.7	333.8	(1)	(1)	(1)	16.8	16.6	16.9	107.8	108.6	115.4
42	Lewiston-Auburn	28.5	28.6	28.6	(1)	(1)	(1)	1.4	1.4	1.5	12.8	13.0	13.1
43	Portland	65.5	65.3	63.9	(1)	(1)	(1)	3.7	3.7	3.2	13.9	13.9	15.2
MARYLAND⁴													
44	Baltimore	1,312.0	1,315.6	1,299.5	1.8	1.8	1.8	89.8	91.0	89.7	264.5	272.3	283.9
45	Baltimore	810.7	812.6	810.9	.3	.3	.3	45.2	45.7	44.8	190.9	196.7	207.7
MASSACHUSETTS													
46	Boston	2,231.7	2,245.9	2,254.9	(1)	(1)	(1)	97.3	99.0	99.8	621.7	630.8	675.3
47	Boston	1,285.0	1,288.9	1,292.3	(1)	(1)	(1)	51.5	51.9	54.1	268.0	272.7	295.0
48	Brockton	50.6	49.9	50.3	-	-	-	2.4	2.3	2.0	15.3	15.1	17.1
49	Fall River	48.3	48.2	48.2	(1)	(1)	(1)	(1)	(1)	(1)	22.8	22.9	23.5
50	Lawrence-Haverhill	78.8	79.1	80.7	(1)	(1)	(1)	2.2	2.2	2.1	35.9	36.4	38.4
51	Lowell	53.9	54.2	54.3	(1)	(1)	(1)	2.8	2.9	2.8	20.2	20.5	21.2
52	New Bedford	53.3	53.9	55.1	(1)	(1)	(1)	1.9	2.0	1.9	24.4	25.0	26.7
53	Springfield-Chicopee-Holyoke	194.5	194.9	196.3	(1)	(1)	(1)	8.9	9.0	8.8	66.5	67.6	71.3
54	Worcester	129.7	129.6	130.5	(1)	(1)	(1)	6.4	6.3	5.6	43.6	44.4	47.6

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			
Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	
4.0	4.0	4.2	14.9	14.7	14.7	3.1	3.2	3.2	9.8	9.7	9.9	20.5	20.3	20.1	1
3.4	3.4	3.3	13.8	13.8	13.5	4.0	4.0	3.8	8.3	8.7	8.7	16.0	17.1	17.1	2
3.5	3.6	3.5	14.7	14.7	14.4	4.2	4.3	3.9	9.5	9.3	8.9	27.4	26.9	28.1	3
7.0	6.7	7.0	14.9	14.9	15.4	3.3	3.3	3.2	9.3	9.4	9.3	11.6	11.5	11.9	4
24.1	24.1	23.3	68.4	67.4	63.7	18.3	18.3	17.5	55.8	57.0	55.0	74.1	73.9	70.9	5
20.3	20.4	19.8	58.9	57.9	54.5	17.0	16.9	16.2	47.6	47.7	45.8	64.9	64.3	62.2	6
14.3	14.4	14.4	49.5	50.5	48.7	7.9	7.9	7.6	31.6	32.6	30.8	49.6	50.7	47.4	7
3.3	3.3	3.2	11.8	11.8	11.4	2.8	2.8	2.7	6.6	6.7	6.1	10.3	10.6	9.3	8
292.4	295.3	292.3	965.9	962.3	956.2	237.3	238.0	231.0	693.9	693.8	679.3	638.0	624.9	618.0	9
214.7	215.1	212.9	689.0	680.3	680.8	184.7	185.2	179.7	516.9	516.6	503.2	354.9	354.9	350.1	10
(*)	229.8	226.5	(*)	720.5	717.9	(*)	191.3	185.8	(*)	538.9	525.8	(*)	372.6	372.2	11
(*)	6.9	6.8	(*)	29.5	29.2	(*)	5.2	5.1	(*)	19.1	18.4	(*)	22.3	22.9	12
(*)	7.3	7.3	(*)	28.2	28.7	(*)	5.3	5.4	(*)	19.5	18.5	(*)	15.3	15.1	13
3.5	3.6	3.6	20.7	20.6	20.8	3.3	3.2	3.2	14.4	14.3	13.8	10.5	9.7	10.0	14
99.9	101.1	102.1	369.4	370.1	368.9	75.1	76.0	74.5	217.9	220.4	213.4	292.5	285.5	283.1	15
5.2	5.2	5.3	19.3	19.1	19.2	3.3	3.3	3.3	13.2	13.2	12.9	8.6	8.5	8.4	16
8.5	8.6	8.2	28.8	28.6	27.1	6.6	6.6	6.4	15.7	16.1	15.2	12.3	12.2	11.3	17
13.8	13.8	13.6	38.1	38.6	37.1	6.1	6.2	6.1	23.1	23.4	22.7	22.2	21.8	22.1	18
28.2	28.4	28.1	96.6	96.6	95.9	29.4	29.8	28.4	54.2	55.0	52.6	66.3	66.9	65.6	19
2.5	2.5	2.5	9.7	9.6	8.9	1.4	1.4	1.4	5.2	5.3	5.2	8.4	8.3	8.7	20
4.9	5.0	5.1	20.6	20.4	21.1	4.8	4.8	4.9	16.0	16.1	16.0	10.9	10.7	10.6	21
4.1	4.1	4.2	13.0	13.0	13.1	1.7	1.7	1.7	6.5	6.5	6.5	11.5	10.8	10.7	22
50.9	51.4	51.5	209.2	210.5	206.4	42.5	42.5	41.1	146.1	145.3	142.9	182.1	177.9	177.6	23
3.2	3.2	3.1	13.5	13.6	13.5	3.1	3.1	3.1	10.3	10.4	10.2	7.2	7.2	7.2	24
9.4	9.5	9.4	31.8	31.4	32.6	15.6	15.6	14.7	22.7	22.7	21.8	18.9	18.7	18.3	25
1.7	1.8	1.7	6.8	6.6	6.7	.9	.9	.9	6.4	6.5	6.4	2.8	2.7	2.6	26
3.1	3.2	3.3	12.0	12.0	11.5	2.1	2.1	2.0	7.6	7.5	7.6	5.5	5.5	5.3	27
2.4	2.4	2.5	9.9	9.9	9.8	1.5	1.5	1.4	7.3	7.6	7.3	8.1	7.1	7.9	28
53.4	53.4	52.3	160.1	160.3	159.5	30.4	30.4	30.0	104.2	104.9	101.9	156.7	154.5	155.3	29
7.1	7.2	7.4	12.8	13.0	12.7	4.1	4.1	3.9	10.2	10.2	10.0	15.7	15.6	15.5	30
8.0	8.0	7.9	31.3	31.4	34.0	6.8	6.8	6.7	24.8	24.9	24.5	20.4	19.8	19.5	31
60.0	60.2	59.7	186.9	187.3	181.4	34.9	35.2	34.8	128.1	128.0	125.7	180.5	177.3	171.5	32
4.3	4.3	4.5	15.2	14.8	15.1	3.6	3.6	3.8	13.2	13.0	13.0	21.1	21.3	21.2	33
22.8	23.0	23.4	71.6	72.6	70.3	17.4	17.5	16.8	49.3	49.5	47.0	43.9	43.6	40.6	34
95.8	95.7	95.6	228.2	227.3	229.3	49.7	49.7	49.4	150.0	150.9	152.3	217.0	215.6	211.9	35
5.3	5.3	5.3	21.1	21.0	22.4	5.4	5.4	5.8	14.6	14.7	14.1	24.5	24.4	24.2	36
3.3	3.0	3.3	8.2	8.2	8.3	1.5	1.5	1.5	5.9	5.9	5.8	7.2	7.1	7.2	37
2.5	2.5	2.5	10.1	10.1	10.0	2.4	2.4	2.4	5.2	5.3	5.3	8.2	8.1	7.5	38
46.8	46.8	46.9	89.4	89.0	89.6	22.5	22.5	22.7	67.0	66.4	66.9	57.8	57.3	56.0	39
9.3	9.4	9.5	23.3	23.1	23.1	4.8	4.8	4.7	14.0	14.1	14.0	15.6	15.4	15.1	40
17.2	17.6	16.9	67.1	67.3	65.6	12.4	12.4	11.8	41.9	42.8	41.3	68.0	66.4	65.9	41
.9	.9	.9	6.3	6.3	6.2	.9	.9	.8	4.1	4.1	4.1	2.1	2.0	2.0	42
5.2	5.3	5.2	17.8	17.7	17.0	5.6	5.6	5.1	11.4	11.5	10.8	7.9	7.6	7.4	43
82.6	82.1	79.0	311.8	309.0	299.2	69.4	69.8	67.1	236.7	240.1	230.2	255.4	249.5	248.6	44
58.2	57.7	55.4	177.5	176.3	172.5	44.1	44.2	42.7	139.3	139.9	135.3	155.2	151.8	152.2	45
117.7	119.2	115.3	487.4	486.4	478.4	130.7	129.6	126.5	475.9	480.9	464.1	301.0	300.0	295.5	46
75.3	77.9	74.7	293.9	290.8	288.5	93.3	93.7	91.9	328.3	326.8	314.7	174.7	175.1	173.4	47
3.7	3.7	3.3	13.3	13.0	12.3	1.4	1.4	1.4	6.6	6.6	6.5	7.9	7.8	7.7	48
1.9	1.8	1.7	9.3	9.3	9.4	(1)	(1)	(1)	9.9	9.9	9.3	4.4	4.3	4.3	49
2.4	2.4	2.4	15.4	14.8	15.1	2.4	2.4	2.4	10.2	10.0	10.1	10.3	10.9	10.2	50
2.1	2.1	2.0	11.2	11.1	11.1	1.4	1.4	1.4	9.3	9.4	9.0	6.9	6.8	6.8	51
2.8	2.8	2.6	10.0	9.8	9.8	(1)	(1)	(1)	9.4	9.5	9.5	4.8	4.8	4.6	52
8.4	8.4	8.2	40.7	39.8	39.4	9.3	9.3	9.2	35.3	35.6	34.3	25.4	25.2	25.1	53
6.1	6.4	6.7	27.0	26.3	25.7	7.4	7.3	7.0	22.9	22.7	22.0	16.3	16.2	15.9	54

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969
1	MICHIGAN	2,852.3	3,008.6	3,115.1	13.0	13.3	12.9	100.1	99.9	117.9	922.5	1,104.5	1,184.3
2	Ann Arbor	100.5	108.5	107.2	(1)	(1)	(1)	3.0	3.1	3.3	28.1	37.4	38.5
3	Battle Creek	58.5	58.9	60.1	(1)	(1)	(1)	2.2	2.2	2.3	25.4	25.8	27.0
4	Bay City	26.8	30.3	31.4	(1)	(1)	(1)	1.1	1.0	1.4	8.2	11.7	12.8
5	Detroit	1,421.3	1,487.7	1,547.7	1.1	1.1	1.1	48.7	48.8	58.4	497.7	566.9	613.4
6	Flint	98.4	155.2	161.3	(1)	(1)	(1)	5.5	6.7	7.0	24.8	82.1	84.6
7	Grand Rapids	178.9	185.4	189.9	(1)	(1)	(1)	7.4	7.9	9.1	66.1	73.1	76.9
8	Jackson	45.7	46.7	47.4	(1)	(1)	(1)	2.3	2.4	2.4	17.7	18.5	19.6
9	Kalamazoo	69.5	71.6	73.9	(1)	(1)	(1)	3.4	3.2	3.5	25.1	28.3	30.1
10	Lansing	109.7	121.6	137.6	(1)	(1)	(1)	4.7	5.3	6.3	18.3	36.6	42.4
11	Muskegon-Muskegon Heights	49.6	50.8	52.5	(1)	(1)	(1)	1.6	1.6	1.7	25.0	26.2	28.2
12	Saginaw	58.8	74.4	75.0	(1)	(1)	(1)	3.2	3.2	4.1	17.7	33.2	33.5
13	MINNESOTA	1,319.3	1,325.9	1,325.8	14.9	15.7	14.6	74.1	76.2	76.2	314.8	326.2	332.4
14	Duluth-Superior	58.1	57.9	57.9	(1)	(1)	(1)	2.5	2.8	2.7	10.4	10.6	10.5
15	Minneapolis-St. Paul	792.1	790.4	799.0	(1)	(1)	(1)	49.3	50.2	44.9	205.6	209.4	222.7
16	MISSISSIPPI	586.2	585.5	580.6	6.0	5.9	6.0	36.6	38.0	38.4	181.6	181.2	183.1
17	Jackson	92.6	91.5	91.5	.7	.7	.7	4.9	5.1	5.8	13.7	13.6	14.5
18	MISSOURI	1,645.7	1,646.8	1,690.1	8.5	8.7	9.2	69.6	67.8	79.9	425.1	439.7	459.7
19	Kansas City	501.8	507.2	518.3	.5	.6	.6	21.2	18.2	27.1	118.4	127.2	132.6
20	St. Joseph	32.5	32.5	32.6	(3)	(3)	(3)	2.1	2.0	2.1	9.9	10.0	10.0
21	St. Louis	893.8	899.4	921.0	2.1	2.1	2.4	43.3	43.1	47.6	261.2	273.2	292.4
22	Springfield	55.9	56.8	57.1	.1	.1	.1	2.9	2.8	3.2	14.5	15.9	16.5
23	MONTANA	204.8	208.8	200.9	6.7	7.2	6.8	12.6	13.5	11.8	24.8	24.2	24.3
24	Billings	28.5	28.0	28.5	(1)	(1)	(1)	1.3	1.4	1.2	3.1	2.7	3.3
25	Great Falls	25.6	26.2	24.7	(1)	(1)	(1)	2.2	2.4	2.1	3.0	3.0	2.9
26	NEBRASKA	487.4	489.3	480.4	1.8	1.9	1.8	27.2	27.8	27.6	83.6	83.9	86.6
27	Lincoln	73.0	73.1	72.7	-	-	-	3.6	3.6	4.2	10.4	10.4	10.8
28	Omaha	208.9	210.7	207.3	(3)	(3)	(3)	11.6	12.1	13.2	37.9	38.8	40.1
29	NEVADA	203.7	203.4	200.2	4.1	4.2	4.0	11.9	11.9	12.4	8.3	8.3	8.2
30	Las Vegas	111.9	110.4	110.3	.1	.1	.1	7.2	7.2	7.1	4.1	4.1	4.2
31	Reno	57.5	57.7	55.0	.2	.2	.2	3.7	3.7	3.8	2.9	2.9	2.9
32	NEW HAMPSHIRE	257.5	261.8	260.4	.4	.4	.4	13.6	13.8	14.4	88.7	89.8	96.6
33	Manchester	49.3	49.5	49.8	(1)	(1)	(1)	2.5	2.7	2.7	16.3	16.3	17.0
34	NEW JERSEY	2,599.6	2,608.5	2,616.9	3.3	3.3	3.5	128.8	127.4	126.8	852.2	867.6	901.2
35	Atlantic City	63.7	68.3	65.6	-	-	-	3.8	3.9	3.6	9.8	9.9	11.6
36	Camden	257.3	255.2	252.6	.1	.1	.1	15.2	15.1	14.2	72.8	73.8	75.9
37	Jersey City	268.5	268.3	275.6	-	-	-	8.3	8.0	7.9	108.8	110.0	117.3
38	Newark	790.3	791.7	803.4	.9	.9	1.0	33.8	33.4	34.6	239.5	245.9	261.2
39	Paterson-Clifton-Passaic	506.1	504.3	501.5	.5	.5	.4	23.9	23.6	23.7	186.0	187.9	190.7
40	Perth Amboy	278.0	276.2	275.5	.8	.8	.8	14.7	14.7	14.0	110.2	111.0	115.9
41	Trenton	130.2	132.1	133.5	(1)	(1)	(1)	4.7	4.5	4.4	37.2	40.5	41.5
42	NEW MEXICO	(*)	289.4	289.3	(*)	17.0	17.2	(*)	16.3	17.2	(*)	21.1	20.8
43	Albuquerque	(*)	107.2	106.6	(*)	(1)	(1)	(*)	7.4	7.3	(*)	9.1	9.1
44	NEW YORK	(*)	7,219.9	7,262.8	(*)	8.3	8.5	(*)	287.5	281.4	(*)	1,805.4	1,896.4
45	Albany-Schenectady-Troy	277.5	276.3	276.2	(1)	(1)	(1)	14.7	14.9	15.9	60.2	60.7	63.8
46	Binghamton	103.9	103.8	105.9	(1)	(1)	(1)	5.1	5.1	4.7	40.9	41.7	44.6
47	Buffalo	482.7	502.8	512.8	(1)	(1)	(1)	21.0	21.9	23.5	150.7	171.3	179.5
48	Elmira	39.1	39.1	38.1	(1)	(1)	(1)	2.0	2.0	2.0	15.6	15.8	14.6
49	Monroe County	300.1	303.5	309.9	(1)	(1)	(1)	13.6	11.6	14.9	124.4	131.0	135.8
50	Nassau and Suffolk Counties	721.1	718.8	708.9	(1)	(1)	(1)	41.4	42.4	38.6	146.2	147.1	163.2
51	New York-Northern New Jersey	(*)	6,755.7	6,774.4	(*)	4.9	5.0	(*)	256.1	249.0	(*)	1,705.4	1,786.1
52	New York SMSA	(*)	4,912.0	4,918.5	(*)	2.6	2.7	(*)	176.2	168.8	(*)	1,050.8	1,101.1
53	New York City	(*)	3,822.3	3,842.1	(*)	2.1	2.1	(*)	109.8	105.3	(*)	812.6	843.2
54	Rochester	342.7	345.8	354.1	(1)	(1)	(1)	15.5	13.5	16.9	138.5	144.7	151.9
55	Rockland County	60.3	60.5	57.9	(1)	(1)	(1)	4.1	3.8	4.1	15.0	15.1	14.5
56	Syracuse	225.5	225.6	230.2	(1)	(1)	(1)	12.1	12.4	12.3	59.4	61.3	68.0
57	Utica-Rome	114.7	114.2	117.1	(1)	(1)	(1)	4.1	4.2	4.0	40.4	40.7	43.5
58	Westchester County	307.7	309.4	309.6	(1)	(1)	(1)	20.3	20.2	20.8	70.6	76.0	80.1

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	
149.9	152.9	152.5	582.8	582.3	589.9	115.3	115.7	114.3	410.1	409.9	408.9	558.6	530.1	534.4	1
2.7	2.7	2.7	14.5	14.6	13.6	2.3	2.2	2.2	10.5	11.0	10.2	39.3	37.3	36.6	2
2.7	2.7	2.6	9.4	9.4	9.3	3.1	3.1	3.3	7.9	7.9	7.8	8.0	8.0	8.0	3
1.7	1.7	1.6	7.0	7.0	6.9	.8	.8	.7	3.8	3.8	3.8	4.2	4.2	4.2	4
79.2	80.8	80.0	288.7	290.5	293.1	66.9	67.8	66.3	215.1	214.7	215.8	224.1	217.2	219.5	5
4.8	5.0	5.8	20.8	20.9	23.0	4.3	4.2	4.3	16.6	16.2	17.1	21.6	20.1	19.4	6
9.8	9.9	10.5	43.8	43.0	42.6	7.3	7.3	7.2	26.8	26.5	26.8	17.7	17.7	16.9	7
4.3	4.3	4.3	8.7	8.7	8.6	1.4	1.4	1.4	5.2	5.2	5.0	6.3	6.3	6.2	8
2.3	2.3	2.5	13.5	13.5	13.2	2.2	2.2	2.2	9.1	9.2	9.0	14.0	13.0	13.4	9
3.3	3.3	3.4	19.5	19.5	21.3	5.2	5.2	5.0	15.5	14.8	16.0	43.4	36.9	43.1	10
2.7	2.7	2.8	8.2	8.2	8.1	1.3	1.3	1.3	5.6	5.6	5.5	5.3	5.2	5.1	11
4.7	4.7	4.6	13.2	13.3	13.3	2.8	2.7	2.7	9.0	9.0	8.7	8.3	8.3	8.0	12
86.8	87.5	89.3	314.3	314.2	317.1	64.9	65.3	63.0	216.6	215.1	207.7	232.8	225.8	225.4	13
7.9	8.0	8.0	13.3	13.2	13.7	2.0	2.0	2.0	11.6	11.6	11.0	10.2	9.6	10.1	14
54.8	54.6	57.7	186.6	186.5	188.7	48.2	48.4	46.6	143.9	143.1	137.1	103.8	98.2	101.2	15
31.9	31.3	31.2	108.0	107.8	103.2	20.7	20.7	19.9	67.3	66.4	65.6	134.2	134.1	133.2	16
5.6	5.6	5.6	22.5	22.2	20.8	6.9	7.0	6.8	16.9	16.5	16.6	21.5	20.9	20.8	17
125.4	126.0	126.1	368.8	367.0	376.5	90.2	89.8	88.7	260.4	260.1	260.1	297.7	287.7	289.9	18
51.4	51.7	50.5	124.4	124.0	126.7	32.3	32.6	32.2	81.6	81.3	79.4	72.0	71.6	69.2	19
2.0	2.0	2.1	7.7	7.7	7.7	1.4	1.3	1.3	4.8	4.8	4.8	4.6	4.7	4.6	20
67.1	67.8	68.2	196.1	195.9	191.2	48.0	47.9	47.0	153.7	151.7	151.8	122.3	117.7	120.4	21
4.4	4.3	4.3	14.3	14.7	13.8	2.1	2.1	2.2	9.7	9.3	9.2	7.9	7.6	7.8	22
17.6	17.7	17.7	48.9	50.1	47.3	8.2	8.2	8.0	33.2	34.8	32.1	52.8	53.1	52.9	23
2.6	2.6	2.8	9.0	9.0	9.0	1.5	1.5	1.5	5.8	5.9	5.7	5.2	4.9	5.0	24
2.1	2.2	2.2	6.5	6.6	6.3	1.4	1.5	1.4	5.0	5.1	4.9	5.4	5.4	4.9	25
36.6	37.1	36.8	124.6	124.4	120.2	29.8	29.7	28.3	82.6	83.0	79.9	101.2	101.3	99.2	26
5.0	5.1	5.0	15.0	14.8	15.3	5.4	5.4	5.2	12.2	12.5	11.5	21.4	21.3	20.7	27
20.5	20.8	20.9	53.3	53.8	51.3	17.1	17.0	16.4	37.7	37.5	35.8	30.8	30.7	29.6	28
14.1	14.1	13.5	39.5	39.7	37.8	8.0	8.0	7.7	80.5	79.9	80.5	37.3	37.3	36.1	29
7.4	7.4	6.9	21.8	21.5	20.3	4.1	4.1	3.9	51.0	49.7	52.3	16.2	16.3	15.5	30
4.8	4.8	4.7	12.7	13.0	12.0	3.1	3.1	3.1	19.7	19.9	18.5	10.4	10.1	9.8	31
11.6	11.7	11.2	50.8	51.2	49.0	11.3	11.4	10.5	43.6	45.8	41.9	37.5	37.7	36.4	32
3.5	3.5	3.5	11.6	11.6	11.5	3.2	3.3	3.0	8.2	8.1	8.1	4.0	4.0	4.0	33
181.4	181.5	179.6	536.2	532.1	524.4	122.3	122.1	116.3	411.3	416.8	407.5	364.1	357.7	357.6	34
3.7	3.7	3.5	16.8	19.5	17.2	2.9	3.0	2.9	15.8	17.4	16.3	10.9	10.9	10.5	35
13.9	13.8	13.2	61.5	59.5	57.0	9.2	9.1	8.9	38.4	38.2	38.6	46.2	45.6	44.7	36
37.4	37.3	37.9	44.9	43.8	43.1	9.8	9.8	9.4	30.6	30.4	31.5	28.7	29.0	28.5	37
61.8	61.8	62.1	155.5	153.1	154.2	59.4	58.8	55.5	137.1	136.9	133.8	102.3	100.9	101.0	38
26.2	26.0	25.6	124.1	121.8	119.6	18.7	18.8	17.8	74.2	74.6	74.1	52.5	51.1	49.6	39
14.7	14.7	13.9	55.5	54.4	52.0	5.8	5.8	5.6	31.8	31.8	30.3	44.5	43.0	43.0	40
7.0	7.0	6.9	21.1	20.7	20.6	4.9	4.9	4.8	28.0	27.3	28.0	27.3	27.2	27.3	41
(*)	20.8	20.2	(*)	61.6	60.4	(*)	12.5	11.8	(*)	54.2	54.5	(*)	85.9	87.2	42
(*)	6.8	6.4	(*)	26.4	25.5	(*)	6.5	6.4	(*)	25.8	25.9	(*)	25.2	26.0	43
(*)	511.8	511.3	(*)	1,443.6	1,445.9	(*)	604.9	600.6	(*)	1,377.5	1,347.6	(*)	1,180.9	1,171.2	44
15.6	15.7	15.5	55.7	54.0	53.1	10.8	10.9	10.6	46.6	46.5	45.6	73.9	73.7	71.7	45
4.6	4.6	4.6	18.0	17.9	17.7	3.2	3.2	3.1	11.9	11.9	11.9	20.2	19.4	19.3	46
32.9	33.1	34.0	101.6	101.2	103.0	19.4	19.4	18.9	77.8	77.5	76.1	79.4	78.5	77.9	47
1.6	1.7	1.6	7.7	7.6	7.8	1.0	1.0	1.0	5.8	5.9	5.8	5.3	5.1	5.3	48
10.7	10.8	11.1	53.9	53.0	54.4	11.3	11.4	11.0	50.3	49.8	48.0	35.9	36.0	34.5	49
33.8	33.8	31.5	186.3	184.9	182.5	32.1	32.0	30.1	133.1	133.8	126.3	148.2	144.8	136.7	50
(*)	532.8	528.3	(*)	1,377.0	1,379.4	(*)	610.5	604.5	(*)	1,284.9	1,263.5	(*)	984.1	958.6	51
(*)	392.0	388.9	(*)	1,004.4	1,010.5	(*)	517.0	516.1	(*)	1,010.1	993.8	(*)	758.9	736.5	52
(*)	335.1	336.2	(*)	742.4	750.8	(*)	469.2	470.7	(*)	799.3	793.8	(*)	551.8	540.1	53
12.4	12.6	12.8	61.2	60.3	62.0	12.2	12.2	11.8	54.6	53.9	52.1	48.4	48.5	46.5	54
3.1	3.1	3.2	10.7	10.6	10.1	1.8	1.9	1.8	9.8	9.9	9.5	15.7	16.1	14.7	55
14.2	14.1	14.3	50.1	49.8	49.6	12.4	12.4	11.5	38.0	36.9	37.4	39.5	38.8	37.2	56
5.5	5.6	5.5	18.8	18.8	18.5	4.6	4.6	4.5	15.1	15.2	14.8	26.3	25.1	26.3	57
19.6	19.6	18.0	68.1	66.8	67.1	13.8	13.9	13.6	67.9	67.6	64.9	47.4	45.3	45.0	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

	State and area	TOTAL			Mining			Contract construction			Manufacturing		
		Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969
1	NORTH CAROLINA	1,756.6	1,752.4	1,756.5	3.7	3.7	3.5	95.5	95.1	97.7	701.1	703.4	718.9
2	Asheville	-	-	-	-	-	-	-	-	-	18.6	18.6	19.9
3	Charlotte	178.2	178.4	178.2	(1)	(1)	(1)	11.0	11.1	12.6	41.5	41.5	42.7
4	Greensboro-Winston-Salem-High Point	260.4	259.0	260.9	(1)	(1)	(1)	14.5	14.4	14.3	110.2	110.8	113.4
5	Raleigh	-	-	-	-	-	-	-	-	-	14.2	14.0	14.5
6	NORTH DAKOTA	168.2	166.5	163.9	1.9	1.9	1.9	11.8	11.3	9.9	9.5	9.4	9.3
7	Fargo-Moorhead	44.1	42.0	42.3	(1)	(1)	(1)	3.2	3.1	3.4	3.3	3.0	3.1
8	OHIO	3,888.5	3,956.2	3,966.4	21.5	21.6	20.4	188.9	193.0	194.4	1,337.1	1,429.4	1,486.8
9	Akron	249.6	249.2	251.8	.3	.3	.3	10.0	10.1	10.3	95.2	98.7	101.9
10	Canton	137.2	138.4	138.9	.4	.4	.4	5.9	6.0	6.1	59.1	60.6	63.4
11	Cincinnati	512.6	518.3	511.7	.4	.4	.4	23.8	24.3	24.5	164.1	171.9	176.4
12	Cleveland	860.6	877.0	881.4	1.8	1.8	1.7	40.2	40.8	41.1	278.6	297.8	316.5
13	Columbus	383.8	383.2	380.2	.8	.9	.8	20.0	20.5	20.6	87.0	92.0	94.2
14	Dayton	326.5	331.4	342.0	.5	.5	.5	14.1	14.6	14.6	116.5	123.1	135.5
15	Toledo	246.2	249.2	247.0	.3	.4	.3	10.5	11.0	10.8	79.1	85.9	86.3
16	Youngstown-Warren	185.8	202.3	200.4	.3	.3	.3	10.3	10.6	10.1	72.8	90.0	93.0
17	OKLAHOMA	760.3	760.7	765.5	37.4	38.0	39.5	35.4	37.1	37.6	133.1	134.0	134.6
18	Oklahoma City	255.4	256.0	251.8	6.5	6.6	6.8	13.0	13.6	12.8	37.7	38.1	36.3
19	Tulsa	178.0	178.8	181.2	13.1	13.1	13.8	8.6	8.8	9.0	42.6	43.0	45.2
20	OREGON	718.2	724.0	717.1	1.5	1.5	1.7	29.9	30.0	33.5	174.1	180.7	182.8
21	Eugene	69.7	69.3	69.3	(1)	(1)	(1)	3.5	3.5	3.2	18.5	19.5	18.6
22	Portland	382.1	383.9	387.2	(1)	(1)	(1)	17.3	17.8	20.9	85.8	86.9	92.4
23	Salem	56.3	59.9	55.9	(1)	(1)	(1)	2.1	2.4	2.7	11.8	15.2	12.4
24	PENNSYLVANIA	4,332.3	4,350.9	4,408.2	40.7	40.7	39.7	218.9	223.1	216.4	1,474.6	1,501.4	1,585.2
25	Allentown-Bethlehem-Easton	215.2	215.7	216.9	.5	.5	.5	8.8	9.1	9.0	103.4	104.3	106.6
26	Altoons	48.1	48.0	48.6	(1)	(1)	(1)	2.2	2.2	2.2	15.4	15.5	15.9
27	Delaware Valley	1,547.1	1,535.3	1,578.2	1.1	1.1	1.1	79.1	79.1	77.1	462.0	467.2	503.9
28	Erie	99.7	100.5	100.0	(1)	(1)	(1)	4.4	4.7	4.9	43.9	45.2	44.7
29	Harrisburg	172.9	172.4	174.0	(1)	(1)	(1)	9.2	9.1	9.5	38.9	39.9	39.9
30	Johnstown	79.2	80.8	80.5	5.1	5.1	5.0	3.6	3.5	3.4	24.0	25.1	26.8
31	Lancaster	121.9	121.7	118.7	(1)	(1)	(1)	6.5	6.6	5.9	54.4	55.4	55.6
32	Philadelphia	1,804.6	1,790.5	1,830.5	1.3	1.3	1.2	94.3	94.2	91.3	535.0	541.1	579.6
33	Pittsburgh	862.3	873.5	874.6	9.6	9.5	9.0	50.5	51.4	47.9	264.9	274.5	289.7
34	Reading	122.0	123.7	124.6	(1)	(1)	(1)	5.0	5.2	4.7	55.2	57.0	58.8
35	Scranton	86.2	86.2	87.3	.4	.4	.5	2.9	3.0	2.8	32.4	32.5	34.3
36	Wilkes-Barre-Hazleton	122.8	123.6	124.0	2.2	2.2	2.4	6.0	6.0	5.7	51.7	52.5	53.6
37	York	134.6	134.0	132.7	(1)	(1)	(1)	9.1	9.2	7.6	62.5	62.7	63.4
38	RHODE ISLAND	335.6	336.3	345.1	(1)	(1)	(1)	15.5	15.8	15.6	117.1	117.6	127.5
39	Providence-Pawtucket-Warwick	347.8	348.6	357.5	(1)	(1)	(1)	15.5	15.8	16.0	133.7	134.3	143.9
40	SOUTH CAROLINA	(*)	810.1	816.2	(*)	1.7	1.7	(*)	49.7	48.4	(*)	328.7	339.1
41	Charleston	(*)	87.1	88.3	(*)	(1)	(1)	(*)	5.6	5.9	(*)	15.1	16.0
42	Columbia	(*)	107.3	106.4	(*)	(1)	(1)	(*)	7.2	7.3	(*)	19.4	19.2
43	Greenville	(*)	123.4	125.3	(*)	(1)	(1)	(*)	10.0	9.9	(*)	53.9	55.9
44	SOUTH DAKOTA	175.7	176.3	174.1	2.1	2.2	2.2	8.8	8.8	8.9	15.7	15.6	15.9
45	Sioux Falls	34.4	34.4	33.9	(1)	(1)	(1)	1.8	1.9	2.0	6.0	5.9	6.0
46	TENNESSEE	1,328.7	1,327.0	1,334.0	7.6	7.5	7.3	69.3	69.2	71.5	459.0	461.5	473.7
47	Chattanooga	126.7	125.8	127.2	.3	.3	.2	5.5	5.3	5.6	51.1	50.9	54.0
48	Knoxville	148.1	149.4	152.4	1.9	1.9	1.8	7.8	7.6	7.7	46.5	47.3	50.1
49	Memphis	275.7	276.6	275.9	.3	.3	.2	15.4	15.8	14.8	58.8	59.7	62.5
50	Nashville	221.3	220.8	220.1	(1)	(1)	(1)	13.6	13.7	14.6	62.3	62.3	62.9
51	TEXAS	3,718.6	3,722.4	3,656.1	102.6	102.5	104.6	231.0	239.8	237.6	710.3	719.0	761.2
52	Amarillo	-	-	-	-	-	-	-	-	-	7.3	7.3	6.7
53	Austin	-	-	-	-	-	-	-	-	-	11.7	11.8	11.3
54	Beaumont-Port Arthur-Orange	-	-	-	-	-	-	-	-	-	36.9	36.8	37.8
55	Corpus Christi	-	-	-	-	-	-	-	-	-	(*)	11.4	11.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969	
92.5	93.3	91.6	311.9	309.5	310.6	71.0	71.2	68.4	207.5	206.4	203.2	273.4	269.8	262.6	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
18.5	18.7	18.7	45.7	45.7	45.3	12.3	12.3	12.4	27.8	27.8	26.4	21.4	21.3	20.1	3
16.3	16.3	15.7	46.7	46.3	46.6	12.5	12.4	12.0	30.5	29.9	29.8	29.7	28.9	29.1	4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
11.8	11.9	12.2	44.7	44.5	44.3	7.0	7.0	6.9	29.6	29.4	29.0	51.9	51.1	50.3	6
3.2	3.3	3.2	12.7	12.6	12.4	2.5	2.4	2.3	9.2	8.4	8.5	10.0	9.1	9.2	7
235.4	236.9	225.9	792.2	788.3	774.7	159.5	160.1	153.9	579.4	582.5	553.5	574.5	544.4	556.7	8
15.6	15.7	14.9	49.9	49.8	48.9	7.0	7.1	6.6	35.3	35.5	33.3	36.3	32.0	35.5	9
6.9	6.9	6.8	27.2	27.3	26.2	5.0	5.0	4.6	19.5	19.7	18.5	13.3	12.6	12.8	10
37.5	37.6	36.0	109.5	108.9	106.1	26.6	26.6	25.8	81.9	81.9	76.9	68.7	66.6	65.6	11
55.2	55.4	53.2	187.7	187.3	182.8	43.2	43.5	41.2	142.3	141.7	135.0	111.6	108.7	109.9	12
22.6	22.6	21.2	81.1	80.1	78.8	26.1	26.2	24.9	66.0	65.7	62.1	80.2	75.2	77.7	13
13.0	13.1	12.6	62.2	61.7	61.4	10.1	10.1	9.5	51.0	50.8	49.1	59.2	57.5	58.8	14
18.1	18.1	17.3	53.9	53.7	52.7	8.2	8.2	8.0	39.6	39.3	37.6	36.4	32.6	33.8	15
10.1	10.2	9.7	38.7	38.5	36.4	5.9	6.0	5.6	27.1	27.2	25.8	20.5	19.5	19.5	16
52.5	52.8	53.5	167.1	166.0	165.7	36.7	36.8	36.5	110.1	109.7	108.7	188.0	186.3	189.4	17
17.4	17.4	17.3	57.1	57.0	56.2	15.9	15.9	15.6	37.6	37.9	36.8	70.2	69.5	70.0	18
16.1	16.1	16.8	39.7	39.5	40.1	9.5	9.6	9.3	30.0	30.1	28.8	18.4	18.6	18.2	19
49.2	49.7	50.2	165.5	167.2	161.1	35.6	35.7	35.1	110.5	112.4	108.5	151.9	146.8	144.2	20
4.2	4.2	4.2	13.5	13.5	14.3	2.9	2.9	2.9	10.0	9.8	9.8	17.1	15.9	16.3	21
30.6	31.2	31.3	93.4	94.2	93.3	24.2	24.3	24.0	68.0	68.4	65.5	62.8	61.1	59.8	22
2.0	2.0	1.7	11.2	11.4	10.6	3.1	3.1	3.1	8.0	7.9	7.8	18.1	17.9	17.6	23
275.4	277.1	270.7	815.1	809.7	821.8	191.4	191.9	185.5	695.2	699.7	677.3	621.0	607.3	611.6	24
12.5	12.2	12.0	35.1	35.1	35.8	6.9	6.9	6.4	27.8	27.9	27.1	20.2	19.7	19.5	25
7.4	7.4	7.6	8.4	8.3	8.5	1.2	1.2	1.2	7.1	7.1	7.0	6.4	6.3	6.2	26
97.7	97.6	94.5	313.9	306.3	317.0	92.6	92.6	90.3	282.8	277.5	275.2	217.9	213.9	219.1	27
5.5	5.5	5.4	17.6	17.5	17.2	3.7	3.7	3.5	13.7	13.5	13.4	10.9	10.4	10.9	28
13.4	13.6	13.2	32.4	32.1	33.2	8.8	8.8	8.4	25.5	25.7	25.7	44.7	43.2	44.1	29
5.0	5.0	4.8	13.7	14.0	13.5	2.2	2.3	2.2	12.9	13.2	12.5	12.7	12.6	12.3	30
5.6	5.5	5.5	24.4	24.2	22.1	2.9	3.0	2.8	17.5	17.0	16.6	10.6	10.0	10.2	31
111.6	111.3	107.6	375.3	365.8	374.1	101.8	101.7	99.2	321.2	315.7	313.8	264.1	259.4	263.7	32
60.3	60.4	60.0	173.5	173.9	173.2	38.2	38.3	36.8	160.9	162.6	156.4	104.4	102.9	101.6	33
6.5	6.6	6.5	19.8	19.8	19.6	4.8	4.8	4.7	16.8	16.9	16.8	13.9	13.4	13.5	34
5.1	5.2	5.1	17.9	17.8	17.7	2.6	2.6	2.6	14.5	14.6	14.3	10.4	10.1	10.0	35
6.9	7.0	6.8	21.4	21.6	21.3	4.1	4.2	3.9	14.9	14.8	15.1	15.6	15.3	15.2	36
6.2	6.2	6.2	24.4	24.3	24.4	2.9	2.9	2.7	15.6	15.2	14.7	13.9	13.5	13.7	37
15.6	16.0	15.5	67.0	66.5	66.2	15.0	15.1	15.1	53.6	53.7	52.9	51.8	51.6	52.3	38
15.3	15.6	15.2	67.5	67.1	66.7	15.1	15.2	15.1	52.4	52.5	51.8	48.3	48.1	48.8	39
(*)	36.6	36.1	(*)	136.2	134.8	(*)	29.2	28.8	(*)	82.8	82.8	(*)	145.2	144.5	40
(*)	5.2	5.3	(*)	16.9	16.8	(*)	3.5	3.5	(*)	10.4	10.4	(*)	30.4	30.4	41
(*)	7.1	7.1	(*)	22.7	22.4	(*)	6.7	6.5	(*)	14.1	14.0	(*)	30.1	29.9	42
(*)	4.7	4.8	(*)	21.4	21.7	(*)	4.9	4.8	(*)	12.9	13.1	(*)	15.8	15.1	43
10.2	10.2	10.2	46.2	46.9	44.9	7.5	7.6	7.3	31.1	31.8	30.8	54.0	53.2	53.9	44
3.3	3.4	3.0	10.1	10.1	10.0	2.0	2.1	2.0	6.5	6.4	6.5	4.5	4.6	4.4	45
66.5	66.7	66.9	261.3	261.0	258.4	57.7	57.9	57.1	179.2	178.0	179.9	228.1	225.2	219.2	46
6.2	6.2	6.5	22.9	22.9	23.0	7.5	7.4	7.3	16.5	16.4	15.4	16.7	16.4	15.2	47
6.7	6.9	6.6	31.6	32.0	33.5	4.9	4.9	4.9	19.6	19.8	19.7	29.1	29.0	28.1	48
20.2	20.1	20.7	68.9	68.4	68.6	14.9	15.0	14.6	46.6	46.6	45.1	50.6	50.7	49.4	49
13.1	13.4	13.1	46.8	46.8	47.2	14.7	14.6	13.8	36.4	36.2	35.3	34.4	33.8	33.2	50
270.3	269.5	255.8	907.3	903.7	864.4	196.1	196.5	186.9	626.3	628.4	590.0	674.7	663.0	655.6	51
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-7: Employees on nonagricultural payrolls

(In thousands)

State and area	TOTAL			Mining			Contract construction			Manufacturing		
	Oct. 1970 ^p	Sept. 1970	Oct. 1969	Oct. 1970 ^p	Sept. 1970	Oct. 1969	Oct. 1970 ^p	Sept. 1970	Oct. 1969	Oct. 1970 ^p	Sept. 1970	Oct. 1969
TEXAS (continued)												
1 Dallas	664.5	665.2	661.3	7.6	7.6	7.9	40.1	41.4	37.9	149.4	150.4	173.7
2 El Paso	-	-	-	-	-	-	-	-	-	24.9	24.9	23.0
3 Fort Worth	259.8	264.8	269.1	1.7	1.8	1.9	11.2	11.0	13.4	83.0	87.9	95.7
4 Galveston-Texas City	-	-	-	-	-	-	-	-	-	11.9	11.9	11.7
5 Houston	787.6	784.1	759.2	30.8	31.0	28.6	74.9	75.6	74.8	141.8	142.6	143.6
6 Lubbock	-	-	-	-	-	-	-	-	-	6.3	6.4	7.0
7 San Antonio	257.6	257.7	260.1	1.3	1.3	1.4	14.2	14.2	15.3	31.9	32.4	33.6
8 Waco	-	-	-	-	-	-	-	-	-	11.4	12.6	13.2
9 Wichita Falls	-	-	-	-	-	-	-	-	-	4.3	4.3	4.6
10 UTAH	365.0	366.1	357.0	12.7	13.0	12.6	16.0	17.4	15.1	56.6	56.7	56.3
11 Salt Lake City	191.9	192.3	187.5	7.6	7.8	7.6	9.4	9.7	8.3	29.2	29.0	29.5
VERMONT ²												
12 Burlington ¹⁰	148.7	150.3	149.3	1.0	1.0	1.0	11.1	11.4	11.5	39.1	39.9	43.6
13 Springfield ¹⁰	38.7	39.0	38.3	-	-	-	-	-	-	10.5	10.6	10.9
14	12.3	12.5	13.5	-	-	-	-	-	-	5.3	5.3	6.7
VIRGINIA ⁴												
15 Lynchburg	1,462.4	1,458.8	1,454.0	15.8	15.7	14.6	96.4	98.0	94.5	364.3	363.7	375.1
16 Newport News-Hampton	53.1	53.4	51.4	(1)	(1)	(1)	3.0	3.1	2.8	24.2	24.4	24.4
17 Norfolk-Portsmouth	96.1	96.2	97.3	(1)	(1)	(1)	5.8	5.8	5.3	24.1	24.2	26.9
18 Northern Virginia ¹¹	199.4	201.0	199.2	(1)	(1)	(1)	14.2	14.2	13.4	19.6	19.9	20.7
19 Richmond	266.3	265.4	253.6	.4	.4	.4	21.1	21.4	21.7	8.8	8.8	9.4
20 Roanoke	236.7	236.5	234.3	.2	.2	.2	15.0	15.2	15.7	51.2	51.7	52.2
21	82.9	82.8	81.3	.1	.1	.1	5.3	5.4	5.0	19.6	19.5	19.4
WASHINGTON												
22 Seattle-Everett ²	1,090.9	1,093.1	1,145.2	1.7	1.8	1.8	58.0	58.7	62.6	233.7	237.7	278.1
23 Spokane ²	505.6	509.9	557.1	(1)	(1)	(1)	24.7	25.8	28.0	117.8	120.1	157.7
24 Tacoma ²	92.1	92.6	91.6	(1)	(1)	(1)	5.7	6.1	5.6	12.2	12.5	13.6
25	105.7	107.2	108.3	(1)	(1)	(1)	5.2	5.4	6.0	19.7	20.2	20.7
WEST VIRGINIA												
26 Charleston	516.9	519.4	518.7	49.4	49.3	47.8	25.3	25.3	27.0	126.8	128.3	132.5
27 Huntington-Ashland	80.6	80.5	83.0	4.1	4.1	3.7	3.7	3.7	4.5	16.9	17.0	17.9
28 Wheeling	82.2	82.6	81.9	.5	.5	.5	3.5	3.4	3.7	26.8	27.2	27.0
29	59.0	59.3	58.2	5.3	5.2	4.5	3.2	3.2	3.6	15.8	16.1	15.9
WISCONSIN												
30 Green Bay	1,540.1	1,561.6	1,549.0	2.9	3.0	2.8	63.6	64.7	71.6	480.4	506.2	520.4
31 Kenosha	56.4	56.4	55.7	(1)	(1)	(1)	2.3	2.3	2.8	17.7	18.0	17.8
32 La Crosse	36.1	36.4	34.2	(1)	(1)	(1)	1.2	1.1	1.2	16.8	17.1	15.6
33 Madison	29.4	29.3	30.2	(1)	(1)	(1)	1.1	1.1	1.3	7.4	7.8	8.6
34 Milwaukee	126.5	124.0	122.2	(1)	(1)	(1)	7.6	7.4	7.0	15.9	16.2	16.7
35 Racine	568.7	575.2	577.0	(1)	(1)	(1)	22.0	22.4	25.1	196.9	203.7	212.4
36	52.8	53.8	57.0	(1)	(1)	(1)	1.6	1.7	2.0	22.5	23.0	26.7
WYOMING ²												
37 Casper ²	110.0	110.9	108.9	11.9	12.2	12.0	7.2	7.6	7.1	7.6	6.8	8.1
38 Cheyenne ²	19.0	19.1	19.4	3.6	3.7	3.5	1.0	1.1	1.3	1.6	1.5	1.5
39	18.8	18.7	18.4	(1)	(1)	(1)	.9	.9	.9	1.4	1.3	1.1

1 Combined with services.
 2 Revised to 1970 benchmark; not strictly comparable with previously published data.
 3 Combined with construction.
 4 Federal employment in the Maryland and Virginia sectors of the Washington Standard Metropolitan Statistical Area is included in data for the District of Columbia.
 5 Area included in Chicago-Northwestern Indiana Standard Consolidated Area.
 6 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
 7 Area included in New York-Northeastern New Jersey Standard Consolidated Area.
 8 Subarea of Rochester Standard Metropolitan Statistical Area.
 9 Subarea of New York Standard Metropolitan Statistical Area.
 10 Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
 11 Subarea of Washington, D.C. Standard Metropolitan Statistical Area.

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

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

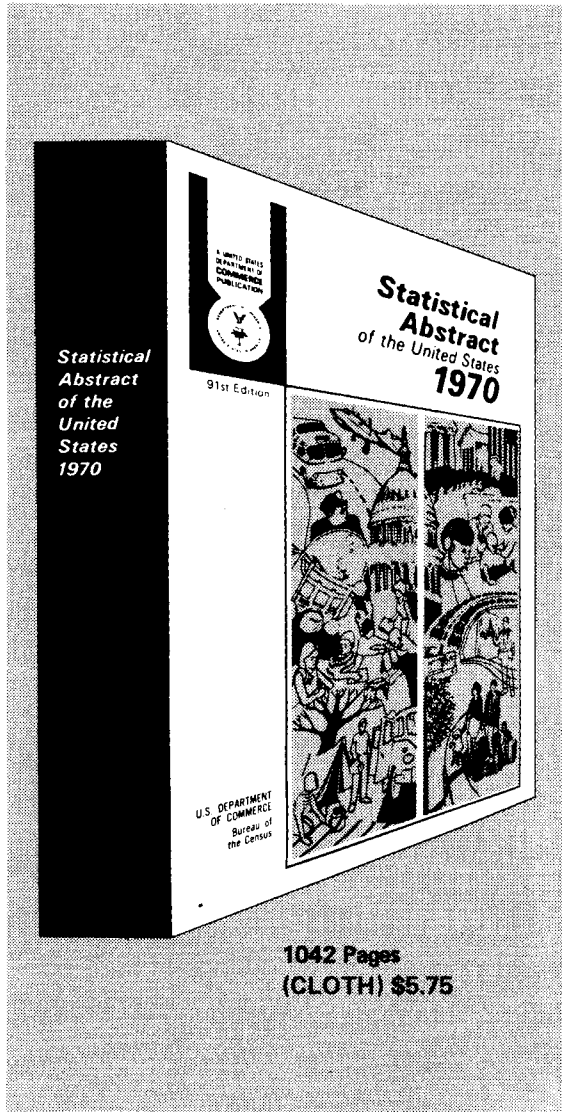
for States and selected areas, by industry division--Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	Oct. 1970 ^P	Sept. 1970	Oct. 1969	
53.6	54.0	52.5	181.3	180.2	171.6	56.4	56.5	52.9	104.6	104.8	97.7	71.5	70.3	67.1	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
15.7	15.8	15.4	63.2	63.5	60.6	12.2	12.1	12.0	37.8	38.0	36.7	35.0	34.7	33.4	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
68.6	68.5	65.6	190.1	189.0	183.0	41.3	41.3	39.0	146.2	146.5	137.6	93.9	89.6	87.0	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
10.8	10.9	11.3	63.5	63.5	62.7	16.6	16.5	16.0	45.2	44.8	44.4	74.1	74.1	75.4	7
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
23.2	23.7	23.0	80.7	81.9	78.8	15.4	15.6	14.5	59.7	58.8	56.6	100.6	98.9	100.2	10
15.9	16.2	15.1	50.3	50.0	49.7	11.2	11.4	11.1	32.2	33.3	30.6	36.1	34.9	35.7	11
8.2	8.2	7.8	28.6	28.9	28.0	5.6	5.7	5.3	28.7	28.8	26.9	26.5	26.6	25.3	12
2.0	2.0	1.9	7.8	8.0	7.6	-	-	-	7.1	7.3	6.8	-	-	-	13
.9	.9	.9	1.9	1.9	1.9	-	-	-	1.7	1.7	1.6	-	-	-	14
98.9	99.8	96.5	305.8	303.5	301.8	68.8	69.7	66.6	211.1	211.3	209.9	301.3	297.1	295.0	15
2.5	2.5	2.4	9.2	9.1	8.2	2.1	2.1	1.9	6.5	6.5	6.2	5.6	5.7	5.5	16
4.3	4.3	4.1	17.5	17.5	16.6	2.9	2.9	2.9	13.2	13.0	12.4	28.3	28.5	29.1	17
15.9	16.2	16.2	49.5	49.8	48.7	9.7	9.7	9.2	30.4	31.1	29.6	60.1	60.1	61.4	18
20.7	20.9	19.7	61.2	60.9	59.4	15.8	15.9	15.2	44.7	44.7	45.2	93.6	92.4	82.6	19
18.4	18.5	17.7	53.8	53.8	53.7	18.4	18.5	17.9	35.0	34.9	33.9	44.7	43.7	43.0	20
10.8	10.9	10.9	19.4	19.3	19.0	4.2	4.2	4.1	13.1	13.1	12.8	10.4	10.3	10.0	21
73.1	73.8	74.9	247.5	248.8	256.1	57.6	58.0	59.2	171.4	174.1	170.5	247.9	240.2	242.0	22
38.4	38.9	41.3	115.8	116.7	121.7	35.3	35.6	36.0	81.6	82.6	82.2	92.0	90.2	90.2	23
7.3	7.6	7.5	24.0	24.1	23.6	5.3	5.3	5.2	19.3	19.5	18.6	18.3	17.5	17.5	24
6.9	7.0	6.8	22.9	23.9	23.6	6.1	6.1	6.0	18.8	18.9	18.6	26.1	25.7	26.6	25
42.2	42.3	41.5	93.5	94.1	93.5	15.6	15.7	15.1	65.8	66.0	65.1	98.6	98.5	96.3	26
8.9	8.9	8.9	18.9	18.8	19.0	4.1	4.1	3.8	11.6	11.6	11.7	12.4	12.3	13.5	27
8.2	8.3	8.1	17.9	17.9	17.8	2.9	2.9	2.8	9.9	10.0	10.0	12.4	12.4	12.0	28
3.8	3.8	3.6	12.7	12.6	12.8	2.2	2.2	2.2	9.2	9.2	8.7	7.0	7.0	6.8	29
82.7	82.3	81.7	348.2	344.5	331.8	62.1	62.3	59.8	231.0	232.0	219.6	269.2	266.6	261.3	30
4.8	4.7	4.6	14.2	14.4	14.1	1.5	1.5	1.4	8.5	8.5	8.2	7.4	7.1	6.8	31
1.4	1.3	1.3	6.4	6.5	6.1	.7	.7	.7	4.8	4.8	4.7	4.9	4.9	4.5	32
2.2	2.2	2.3	7.5	7.4	7.2	.6	.7	.6	5.8	5.7	5.5	4.8	4.4	4.7	33
6.1	6.0	5.5	26.6	25.3	24.1	6.6	6.7	6.4	18.6	18.6	17.3	45.0	43.8	45.2	34
31.8	31.8	31.7	127.4	126.3	122.9	29.3	29.4	28.2	88.1	88.0	84.8	73.2	73.6	72.0	35
2.0	2.1	2.2	10.2	10.2	9.8	1.4	1.4	1.5	7.9	8.1	7.8	7.1	7.3	7.0	36
10.9	11.1	11.0	22.8	23.1	23.6	3.9	3.9	3.6	15.7	16.3	15.3	30.0	29.9	28.2	37
1.4	1.4	1.4	4.6	4.6	4.7	.8	.8	.8	2.3	2.3	2.6	3.7	3.7	3.6	38
2.4	2.4	2.6	4.0	4.1	3.9	1.0	1.0	.9	3.4	3.4	3.2	5.7	5.6	5.8	39

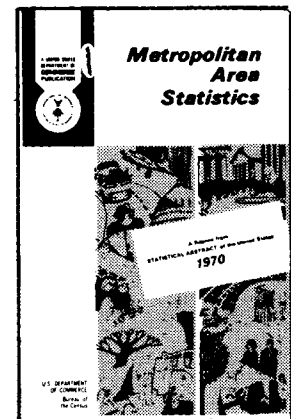
1970

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ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

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

Year and month	Average			Average			Average			Average		
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings
	Total private ¹			Mining			Contract construction			Manufacturing		
1947.....	\$45.58	40.3	\$1.131	\$59.94	40.8	\$1.469	\$58.87	38.2	\$1.541	\$49.17	40.4	\$1.217
1948.....	49.00	40.0	1.225	65.56	39.4	1.664	65.27	38.1	1.713	53.12	40.0	1.328
1949.....	50.24	39.4	1.275	62.33	36.3	1.717	67.56	37.7	1.792	53.88	39.1	1.378
1950.....	53.13	39.8	1.335	67.16	37.9	1.772	69.68	37.4	1.863	58.32	40.5	1.440
1951.....	57.86	39.9	1.45	74.11	38.4	1.93	76.96	38.1	2.02	63.34	40.6	1.56
1952.....	60.65	39.9	1.52	77.59	38.6	2.01	82.86	38.9	2.13	67.16	40.7	1.65
1953.....	63.76	39.6	1.61	83.03	38.8	2.14	86.41	37.9	2.28	70.47	40.5	1.74
1954.....	64.52	39.1	1.65	82.60	38.6	2.14	88.91	37.2	2.39	70.49	39.6	1.78
1955.....	67.72	39.6	1.71	89.54	40.7	2.20	90.90	37.1	2.45	75.70	40.7	1.86
1956.....	70.74	39.3	1.80	95.06	40.8	2.33	96.38	37.5	2.57	78.78	40.4	1.95
1957.....	73.33	38.8	1.89	98.65	40.1	2.46	100.27	37.0	2.71	81.59	39.8	2.05
1958.....	75.08	38.5	1.95	96.08	38.9	2.47	103.78	36.8	2.82	82.71	39.2	2.11
1959 ²	78.78	39.0	2.02	103.68	40.5	2.56	108.41	37.0	2.93	88.26	40.3	2.19
1960.....	80.67	38.6	2.09	105.44	40.4	2.61	113.04	36.7	3.08	89.72	39.7	2.26
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32
1962.....	85.91	38.7	2.22	110.43	40.9	2.70	122.47	37.0	3.31	96.56	40.4	2.39
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.63	40.5	2.46
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53
1965.....	95.06	38.8	2.45	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.34	41.3	2.72
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.90	40.6	2.83
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.93	37.4	4.41	122.51	40.7	3.01
1969.....	114.61	37.7	3.04	154.80	43.0	3.60	181.16	37.9	4.78	129.51	40.6	3.19
1969: 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.....	122.20	37.6	3.25	163.97	42.7	3.84	204.05	38.5	5.30	134.13	39.8	3.37
September.....	121.73	37.0	3.29	164.55	42.3	3.89	194.03	36.2	5.36	135.43	39.6	3.42
October ^P	121.73	37.0	3.29	168.13	43.0	3.91	203.42	37.6	5.41	133.85	39.6	3.38
November ^P												
Year and month	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services		
1947.....	-	-	-	\$38.07	40.5	\$0.940	\$43.21	37.9	\$1.140	-	-	-
1948.....	-	-	-	40.80	40.4	1.010	45.48	37.9	1.200	-	-	-
1949.....	-	-	-	42.93	40.5	1.060	47.63	37.8	1.260	-	-	-
1950.....	-	-	-	44.55	40.5	1.00	50.52	37.7	1.340	-	-	-
1951.....	-	-	-	47.79	40.5	1.18	54.67	37.7	1.45	-	-	-
1952.....	-	-	-	49.20	40.0	1.23	57.08	37.8	1.51	-	-	-
1953.....	-	-	-	51.35	39.5	1.30	59.57	37.7	1.58	-	-	-
1954.....	-	-	-	53.33	39.5	1.35	62.04	37.6	1.65	-	-	-
1955.....	-	-	-	55.16	39.4	1.40	63.92	37.6	1.70	-	-	-
1956.....	-	-	-	57.48	39.1	1.47	65.68	36.9	1.78	-	-	-
1957.....	-	-	-	59.60	38.7	1.54	67.53	36.7	1.84	-	-	-
1958.....	-	-	-	61.76	38.6	1.60	70.12	37.1	1.89	-	-	-
1959 ²	-	-	-	64.41	38.8	1.66	72.74	37.3	1.95	-	-	-
1960.....	-	-	-	66.01	38.6	1.71	75.14	37.2	2.02	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-
1964.....	\$118.37	41.1	\$2.88	74.28	37.9	1.96	85.79	37.3	2.30	\$69.84	36.0	\$1.94
1965.....	125.14	41.3	3.03	76.53	37.7	2.03	88.91	37.2	2.39	73.60	35.9	2.05
1966.....	128.13	41.2	3.11	79.02	37.1	2.13	92.13	37.3	2.47	77.04	35.5	2.17
1967.....	131.22	40.5	3.24	81.76	36.5	2.24	95.46	37.0	2.58	80.38	35.1	2.29
1968.....	138.85	40.6	3.42	86.40	36.0	2.40	101.75	37.0	2.75	84.32	34.7	2.43
1969.....	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: 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.....	159.51	40.9	3.90	98.74	36.3	2.72	113.65	36.9	3.08	99.75	35.0	2.85
September.....	159.95	40.7	3.93	97.08	35.3	2.75	113.09	36.6	3.09	99.76	34.4	2.90
October ^P	159.96	40.6	3.94	96.60	35.0	2.76	114.82	36.8	3.12	99.81	34.3	2.91
November ^P												

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

² Data include Alaska and Hawaii 1959.

^P preliminary

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
-	TOTAL PRIVATE	\$121.07	\$121.73	\$121.73	\$117.38	\$117.31	\$3.29	\$3.29	\$3.29	\$3.13	\$3.12
-	MINING	167.78	168.13	164.55	161.08	159.78	3.92	3.91	3.89	3.72	3.69
10	METAL MINING	-	169.06	168.02	159.64	161.88	-	3.95	4.01	3.73	3.73
101	Iron ores	-	165.17	167.60	154.54	159.33	-	3.98	4.00	3.76	3.83
102	Copper ores	-	180.35	174.96	170.46	172.61	-	3.99	4.05	3.73	3.72
11,12	COAL MINING	-	193.44	181.48	176.40	175.71	-	4.65	4.47	4.41	4.36
12	Bituminous coal and lignite mining	-	195.52	183.56	179.29	178.20	-	4.70	4.51	4.46	4.40
13	OIL AND GAS EXTRACTION	-	153.15	152.40	154.96	150.42	-	3.57	3.62	3.49	3.45
131,2	Crude petroleum and natural gas fields	-	155.56	158.69	151.25	144.36	-	3.86	3.88	3.68	3.60
138	Oil and gas field services	-	151.42	147.92	157.51	154.22	-	3.38	3.44	3.38	3.36
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	160.91	160.29	154.58	157.30	-	3.56	3.57	3.39	3.39
142	Crushed and broken stone	-	163.80	161.00	154.63	161.47	-	3.50	3.50	3.29	3.35
-	CONTRACT CONSTRUCTION	196.02	203.42	194.03	184.39	189.97	5.43	5.41	5.36	4.97	4.96
15	GENERAL BUILDING CONTRACTORS	-	192.72	183.39	172.20	175.90	-	5.28	5.21	4.81	4.78
16	HEAVY CONSTRUCTION CONTRACTORS	-	202.59	195.22	187.22	196.74	-	4.99	4.98	4.60	4.64
161	Highway and street construction	-	195.43	188.50	174.07	186.06	-	4.79	4.76	4.33	4.43
162	Heavy construction, n.e.c.	-	209.27	201.89	198.51	207.58	-	5.18	5.19	4.83	4.85
17	SPECIAL TRADE CONTRACTORS	-	210.86	199.80	190.41	195.45	-	5.73	5.66	5.26	5.24
171	Plumbing, heating, air conditioning	-	223.06	210.39	203.20	207.97	-	5.87	5.78	5.39	5.36
172	Painting, paper hanging, decorating	-	185.50	177.11	172.96	175.51	-	5.30	5.24	4.97	4.93
173	Electrical work	-	244.11	225.95	224.04	232.64	-	6.18	6.14	5.73	5.73
174	Masonry, stonework, and plastering	-	190.58	182.60	170.83	176.46	-	5.54	5.50	5.13	5.10
176	Roofing and sheetmetal work	-	170.86	167.16	156.23	163.88	-	5.07	5.05	4.72	4.75
-	MANUFACTURING	134.24	133.85	135.43	132.36	132.28	3.39	3.38	3.42	3.26	3.25
19,24,25, 32-39	DURABLE GOODS	143.56	143.16	145.56	142.55	142.83	3.58	3.57	3.63	3.46	3.45
20-23,26-31	NONDURABLE GOODS	122.85	122.07	122.15	118.21	117.51	3.15	3.13	3.14	2.97	2.96
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	154.16	147.53	146.00	143.32	140.24	3.76	3.67	3.65	3.53	3.48
192	Ammunition, except for small arms	(*)	142.88	140.69	137.94	134.30	(*)	3.59	3.58	3.44	3.40
1925	Complete guided missiles	-	176.38	173.87	175.10	170.95	-	4.24	4.21	4.12	4.08
1929	Ammunition, exc. for small arms, nec	-	121.59	122.24	120.90	118.20	-	3.15	3.20	3.10	3.07
24	LUMBER AND WOOD PRODUCTS	120.99	121.39	121.70	114.11	114.05	3.04	3.05	3.05	2.86	2.83
242	Sawmills and planing mills	(*)	115.92	115.24	109.18	110.16	(*)	2.92	2.91	2.75	2.72
2421	Sawmills and planing mills, general	-	119.59	119.50	112.58	113.52	-	3.02	3.01	2.85	2.81
243	Millwork, plywood & related products	126.64	128.00	128.00	122.81	120.20	3.19	3.20	3.20	3.01	2.99
2431	Millwork	-	123.80	122.46	117.02	116.72	-	3.15	3.14	2.97	2.97
2432	Veneer and plywood	-	130.88	131.29	125.46	120.54	-	3.20	3.21	2.98	2.94
244	Wooden containers	(*)	96.50	93.23	90.64	92.10	(*)	2.50	2.46	2.33	2.32
2441,2	Wooden boxes, shooks, and crates	-	92.93	91.72	88.53	90.80	-	2.42	2.42	2.27	2.27
249	Miscellaneous wood products	109.06	106.63	107.68	101.91	102.09	2.66	2.62	2.62	2.51	2.49
25	FURNITURE AND FIXTURES	111.95	111.44	108.92	108.81	108.81	2.82	2.80	2.80	2.70	2.68
251	Household furniture	106.53	106.26	102.17	102.26	102.21	2.67	2.65	2.64	2.55	2.53
2511	Wood household furniture	-	101.18	94.96	97.92	98.06	-	2.48	2.46	2.40	2.38
2512	Upholstered household furniture	-	114.11	109.42	108.78	107.32	-	2.86	2.82	2.74	2.71
2515	Mattresses and bedsprings	-	110.11	114.16	106.92	107.68	-	2.86	2.89	2.77	2.74
252	Office furniture	-	121.34	120.43	128.10	127.07	-	3.16	3.12	3.05	3.04
254	Partitions and fixtures	-	133.96	136.74	131.20	133.82	-	3.40	3.41	3.28	3.28
253,9	Other furniture and fixtures	120.69	119.08	119.73	116.24	115.83	3.04	3.03	3.07	2.87	2.86
32	STONE, CLAY, AND GLASS PRODUCTS	143.38	143.66	142.83	137.85	137.67	3.48	3.47	3.45	3.29	3.27
321	Flat glass	-	176.81	191.80	183.61	177.62	-	4.23	4.31	4.27	4.15
322	Glass and glassware, pressed or blown	143.47	142.86	139.84	135.46	133.57	3.56	3.51	3.47	3.32	3.29
3221	Glass containers	-	147.55	142.04	137.90	137.23	-	3.59	3.56	3.38	3.38
3229	Pressed and blown glass, n.e.c.	-	135.60	137.35	132.93	128.39	-	3.39	3.35	3.25	3.17
324	Cement, hydraulic	184.78	177.94	187.87	172.57	166.32	4.41	4.34	4.41	4.07	3.96
325	Structural clay products	115.49	114.91	115.37	111.93	111.65	2.88	2.88	2.87	2.75	2.75
3251	Brick and structural clay tile	-	109.35	110.70	106.86	107.79	-	2.70	2.70	2.60	2.61
326	Pottery and related products	-	121.04	116.82	116.98	116.80	-	3.08	3.05	2.91	2.92
327	Concrete, gypsum, and plaster products	148.97	154.58	151.63	143.09	147.52	3.53	3.57	3.51	3.32	3.33
328,9	Other stone and nonmetallic mineral products	143.52	142.90	141.38	136.78	135.94	3.45	3.46	3.44	3.28	3.26
3291	Abrasive products	-	132.06	130.61	140.29	130.26	-	3.55	3.53	3.43	3.34

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
-	TOTAL PRIVATE	36.8	37.0	37.0	37.5	37.6	-	-	-	-	-
-	MINING	42.8	43.0	42.3	43.3	43.3	-	-	-	-	-
10	METAL MINING	-	42.8	41.9	42.8	43.4	-	-	-	-	-
101	Iron ores	-	41.5	41.9	41.1	41.6	-	-	-	-	-
102	Copper ores	-	45.2	43.2	45.7	46.4	-	-	-	-	-
11,12	COAL MINING	-	41.6	40.6	40.0	40.3	-	-	-	-	-
12	Bituminous coal and lignite mining	-	41.6	40.7	40.2	40.5	-	-	-	-	-
13	OIL AND GAS EXTRACTION	-	42.9	42.1	44.4	43.6	-	-	-	-	-
131,2	Crude petroleum and natural gas fields	-	40.3	40.9	41.1	40.1	-	-	-	-	-
138	Oil and gas field services	-	44.8	43.0	46.6	45.9	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	-	45.2	44.9	45.6	46.4	-	-	-	-	-
142	Crushed and broken stone	-	46.8	46.0	47.0	48.2	-	-	-	-	-
-	CONTRACT CONSTRUCTION	36.1	37.6	36.2	37.1	38.3	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	-	36.5	35.2	35.8	36.8	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	-	40.6	39.2	40.7	42.4	-	-	-	-	-
161	Highway and street construction	-	40.8	39.6	40.2	42.0	-	-	-	-	-
162	Heavy construction, n e c	-	40.4	38.9	41.1	42.8	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	-	36.8	35.3	36.2	37.3	-	-	-	-	-
171	Plumbing, heating, air conditioning	-	38.0	36.4	37.7	38.8	-	-	-	-	-
172	Painting, paper hanging, decorating	-	35.0	33.8	34.8	35.6	-	-	-	-	-
173	Electrical work	-	39.5	36.8	39.1	40.6	-	-	-	-	-
174	Masonry, stonework, and plastering	-	34.4	33.2	33.3	34.6	-	-	-	-	-
176	Roofing and sheet metal work	-	33.7	33.1	33.1	34.5	-	-	-	-	-
-	MANUFACTURING	39.6	39.6	39.6	40.6	40.7	2.6	2.8	3.1	3.6	3.7
19,24,25,32-39	DURABLE GOODS	40.1	40.1	40.1	41.2	41.4	2.4	2.8	3.0	3.7	3.9
20-23,26-31	NONDURABLE GOODS	39.0	39.0	38.9	39.8	39.7	2.8	3.0	3.1	3.4	3.5
	Durable Goods										
19	ORDNANCE AND ACCESSORIES	41.0	40.2	40.0	40.6	40.3	-	2.0	2.0	2.5	2.3
192	Ammunition, except for small arms	(*)	39.8	39.3	40.1	39.5	-	1.7	1.5	1.9	1.9
1925	Complete guided missiles	-	41.6	41.3	42.5	41.9	-	-	-	-	-
1929	Ammunition, exc. for small arms, nec	-	38.6	38.2	39.0	38.5	-	-	-	-	-
24	LUMBER AND WOOD PRODUCTS	39.8	39.8	39.9	39.9	40.3	-	3.3	3.1	3.6	3.7
242	Sawmills and planing mills	(*)	39.7	39.6	39.7	40.5	-	3.5	3.4	3.9	4.1
2421	Sawmills and planing mills, general	-	39.6	39.7	39.5	40.4	-	-	-	-	-
243	Millwork, plywood & related products	39.7	40.0	40.0	40.8	40.2	-	3.0	2.9	3.5	3.2
2431	Millwork	-	39.3	39.0	39.4	39.3	-	-	-	-	-
2432	Veneer and plywood	-	40.9	40.9	42.1	41.0	-	-	-	-	-
244	Wooden containers	(*)	38.6	37.9	38.9	39.7	-	2.2	2.2	3.3	3.4
2441,2	Wooden boxes, shooks, and crates	-	38.4	37.9	39.0	40.0	-	-	-	-	-
249	Miscellaneous wood products	41.0	40.7	41.1	40.6	41.0	-	3.5	3.2	3.7	3.8
25	FURNITURE AND FIXTURES	39.7	39.8	38.9	40.3	40.6	-	2.5	2.2	3.2	3.5
251	Household furniture	39.9	40.1	38.7	40.1	40.4	-	2.7	2.1	3.0	3.4
2511	Wood household furniture	-	40.8	38.6	40.8	41.2	-	-	-	-	-
2512	Upholstered household furniture	-	39.9	38.8	39.7	39.6	-	-	-	-	-
2515	Mattresses and bedsprings	-	38.5	39.5	38.6	39.3	-	-	-	-	-
252	Office furniture	-	38.4	38.6	42.0	41.8	-	1.9	1.6	4.4	4.4
254	Partitions and fixtures	-	39.4	40.1	40.0	40.8	-	2.7	3.1	3.1	3.7
253,9	Other furniture and fixtures	39.7	39.3	39.0	40.5	40.5	-	2.0	2.5	3.3	3.3
32	STONE, CLAY, AND GLASS PRODUCTS	41.2	41.4	41.4	41.9	42.1	-	4.3	4.3	4.7	5.0
321	Flat glass	-	41.8	44.5	43.0	42.8	-	3.7	5.9	5.9	4.6
322	Glass and glassware, pressed or blown	40.3	40.7	40.3	40.8	40.6	-	4.3	4.4	4.7	4.6
3221	Glass containers	-	41.1	39.9	40.8	40.6	-	-	-	-	-
3229	Pressed and blown glass, n e c	-	40.0	41.0	40.9	40.5	-	-	-	-	-
324	Cement, hydraulic	41.9	41.0	42.6	42.4	42.0	-	2.9	3.5	3.5	3.3
325	Structural clay products	40.1	39.9	40.2	40.7	40.6	-	3.1	3.5	3.8	3.9
3251	Brick and structural clay tile	-	40.5	41.0	41.1	41.3	-	-	-	-	-
326	Pottery and related products	-	39.3	38.3	40.2	40.0	-	2.6	2.2	2.8	2.9
327	Concrete, gypsum and plaster products	42.2	43.3	43.2	43.1	44.3	-	6.0	5.5	6.2	7.0
328,9	Other stone and nonmetallic mineral products	41.6	41.3	41.1	41.7	41.7	-	3.7	3.7	4.1	4.3
3291	Abrasive products	-	37.2	37.0	40.9	39.0	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
	<i>Durable Goods--Continued</i>										
33	PRIMARY METAL INDUSTRIES	\$155.21	\$157.21	\$166.46	\$159.39	\$160.55	\$3.99	\$3.99	\$4.07	\$3.85	\$3.85
331	Blast furnace and basic steel products ..	(*)	162.89	180.11	167.28	169.33	(*)	4.22	4.34	4.11	4.11
3312	Blast furnaces and steel mills	-	164.35	183.46	168.89	171.38	-	4.28	4.41	4.17	4.18
332	Iron and steel foundries	146.66	148.90	152.78	151.62	153.91	3.78	3.76	3.81	3.61	3.63
3321	Gray iron foundries	-	148.08	151.62	152.40	156.28	-	3.73	3.80	3.62	3.66
3322	Malleable iron foundries	-	158.30	166.27	151.13	151.33	-	4.21	4.22	3.75	3.70
3323	Steel foundries	-	147.94	149.74	150.45	148.61	-	3.68	3.67	3.54	3.53
333,4	Nonferrous metals	158.59	158.95	163.38	156.34	155.18	3.84	3.83	3.89	3.67	3.66
3334	Primary aluminum	-	169.33	175.55	166.00	165.61	-	4.13	4.22	4.00	4.01
335	Nonferrous rolling and drawing	154.91	150.22	154.09	152.28	151.08	3.76	3.70	3.74	3.60	3.58
3351	Copper rolling and drawing	-	142.45	146.89	158.18	154.15	-	3.70	3.70	3.67	3.61
3352	Aluminum rolling and drawing	-	155.36	157.77	156.40	157.08	-	3.78	3.82	3.68	3.67
3357	Nonferrous wire drawing and insulating ..	-	149.40	156.51	146.30	144.84	-	3.60	3.70	3.50	3.49
336	Nonferrous foundries	(*)	137.24	139.23	137.36	139.40	(*)	3.51	3.57	3.40	3.40
3361	Aluminum castings	-	136.54	140.04	138.69	139.78	-	3.51	3.60	3.45	3.46
3362,9	Other nonferrous castings	-	137.94	138.02	135.60	138.94	-	3.51	3.53	3.34	3.34
339	Miscellaneous primary metal products ...	169.66	169.64	165.03	169.68	170.87	4.21	4.22	4.21	4.04	4.03
3391	Iron and steel forgings	-	174.36	169.94	172.63	176.82	-	4.37	4.38	4.18	4.19
34	FABRICATED METAL PRODUCTS	144.23	143.82	145.44	141.86	141.36	3.57	3.56	3.60	3.41	3.39
341	Metal cans	169.18	164.34	175.77	163.88	160.36	3.99	3.96	4.05	3.82	3.80
342	Cutlery, hand tools, and hardware	135.04	134.30	134.30	132.84	133.49	3.41	3.40	3.40	3.24	3.24
3421,3,5	Cutlery and hand tools, incl. saws	-	132.53	130.68	131.84	132.39	-	3.33	3.30	3.20	3.19
3429	Hardware, n e c	-	135.59	136.32	133.01	134.07	-	3.45	3.46	3.26	3.27
343	Plumbing and heating, except electric ...	(*)	134.40	130.81	129.43	130.06	(*)	3.36	3.32	3.18	3.18
3431,2	Sanitary ware & plumbers' brass goods ..	-	132.60	131.71	129.12	129.85	-	3.40	3.36	3.22	3.23
3433	Heating equipment, except electric	-	135.46	130.35	129.68	130.21	-	3.32	3.30	3.14	3.13
344	Fabricated structural metal products	146.52	146.52	144.72	140.08	141.10	3.60	3.60	3.60	3.40	3.40
3441	Fabricated structural steel	-	149.92	148.06	141.25	141.52	-	3.63	3.62	3.42	3.41
3442	Metal doors, sash, and trim	-	122.36	119.20	117.31	116.91	-	3.09	3.08	2.94	2.93
3443	Fabricated plate work (boiler shops) ..	-	158.46	155.77	151.14	152.70	-	3.80	3.79	3.59	3.61
3444	Sheet metal work	-	150.82	148.93	144.49	147.44	-	3.78	3.78	3.55	3.57
3446,9	Architectural and misc. metal work ...	-	137.36	135.49	135.29	135.66	-	3.46	3.43	3.26	3.23
345	Screw machine products, bolts, etc.	(*)	142.31	143.07	148.95	148.26	(*)	3.54	3.55	3.44	3.44
3451	Screw machine products	-	138.85	139.30	139.11	141.28	-	3.48	3.50	3.32	3.34
3452	Bolts, nuts, rivets, and washers	-	145.04	146.47	157.88	154.53	-	3.59	3.59	3.54	3.52
346	Metal stampings	158.88	155.36	166.36	158.10	157.87	3.81	3.78	3.98	3.72	3.68
347	Metal services, n e c	(*)	125.69	123.24	121.60	119.20	(*)	3.19	3.16	3.04	3.01
348	Misc. fabricated wire products	(*)	129.28	126.29	126.48	125.56	(*)	3.24	3.23	3.10	3.07
349	Misc. fabricated metal products	140.58	141.25	140.80	137.94	136.95	3.55	3.54	3.52	3.34	3.30
3494,8	Valves, pipe, and pipe fittings	-	146.29	144.36	141.10	140.37	-	3.63	3.60	3.40	3.35
35	MACHINERY, EXCEPT ELECTRICAL	154.71	153.92	152.76	154.87	155.61	3.82	3.81	3.80	3.67	3.67
351	Engines and turbines	(*)	168.02	170.93	158.71	160.74	(*)	4.19	4.21	3.89	3.93
3511	Steam engines and turbines	-	186.92	189.53	163.66	168.38	-	4.44	4.47	3.86	3.99
3519	Internal combustion engines, n e c	-	160.74	163.99	157.95	157.17	-	4.09	4.11	3.90	3.90
352	Farm machinery	-	151.98	147.73	145.48	147.83	-	3.79	3.74	3.61	3.65
353	Construction and related machinery	153.90	153.90	153.87	149.51	153.97	3.80	3.80	3.79	3.62	3.64
3531,2	Construction and mining machinery	-	160.72	160.72	149.54	156.79	-	3.92	3.92	3.72	3.76
3533	Oil field machinery	-	147.14	144.89	149.55	153.22	-	3.58	3.56	3.43	3.42
3535,6	Conveyors, hoists, cranes, monorails ..	-	148.13	148.06	152.34	154.94	-	3.75	3.72	3.61	3.62
3537	Industrial trucks and tractors	-	129.13	132.90	143.30	139.93	-	3.49	3.47	3.42	3.38
354	Metal working machinery	(*)	165.64	163.61	176.84	175.20	(*)	4.10	4.07	4.01	4.00
3541	Machine tools, metal cutting types	-	160.00	159.60	170.56	165.85	-	3.99	3.99	3.93	3.93
3544	Special dies, tools, jigs & fixtures ..	-	181.25	178.23	198.34	196.99	-	4.41	4.39	4.34	4.32
3545	Machine tool accessories	-	150.15	151.30	156.46	154.14	-	3.86	3.84	3.69	3.67
3542,8	Misc. metal working machinery	-	153.50	150.72	159.71	159.21	-	3.79	3.74	3.68	3.66
355	Special industry machinery	146.29	146.61	143.64	146.12	147.15	3.63	3.62	3.60	3.43	3.43
3551	Food products machinery	-	149.60	146.96	151.44	150.10	-	3.74	3.73	3.53	3.54
3552	Textile machinery	-	127.58	125.74	122.66	123.43	-	3.15	3.12	2.97	2.96
3555	Printing trades machinery	-	155.99	152.87	154.94	157.11	-	3.89	3.88	3.62	3.62
356	General industrial machinery	(*)	150.82	148.92	154.70	154.70	(*)	3.78	3.77	3.64	3.64
3561	Pumps and compressors	-	151.44	150.59	152.87	149.88	-	3.73	3.70	3.58	3.56
3562	Ball and roller bearings	-	146.31	146.29	155.72	157.99	-	3.82	3.87	3.69	3.70
3564	Blowers and fans	-	145.14	137.26	142.66	143.52	-	3.54	3.44	3.31	3.33
3566	Power transmission equipment	-	154.28	153.16	154.94	155.59	-	3.80	3.81	3.62	3.61
357	Office and computing machines	158.59	155.04	154.31	153.35	153.30	3.84	3.80	3.81	3.66	3.65
3573	Electronic computing equipment	-	159.26	156.91	154.03	151.26	-	3.81	3.79	3.65	3.61
358	Service industry machines	145.25	138.85	137.94	134.39	133.82	3.56	3.48	3.44	3.31	3.28
3585	Refrigeration machinery	-	143.72	140.59	136.35	134.31	-	3.54	3.48	3.35	3.30
359	Misc. machinery, except electrical	151.74	149.78	149.08	152.08	153.15	3.71	3.68	3.69	3.57	3.57

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
<i>Durable Goods--Continued</i>											
	PRIMARY METAL INDUSTRIES	38.9	39.4	40.9	41.4	41.7	-	2.5	3.3	3.8	4.1
33	Blast furnace and basic steel products	(*)	38.6	41.5	40.7	41.2	-	1.7	3.1	3.0	3.4
3312	Blast furnaces and steel mills	-	38.4	41.6	40.5	41.0	-	-	-	-	-
332	Iron and steel foundries	38.8	39.6	40.1	42.0	42.4	-	3.4	3.6	4.9	5.4
3321	Gray iron foundries	-	39.7	39.9	42.1	42.7	-	-	-	-	-
3322	Malleable iron foundries	-	37.6	39.4	40.3	40.9	-	-	-	-	-
3323	Steel foundries	-	40.2	40.8	42.5	42.1	-	-	-	-	-
333,4	Nonferrous metals	41.3	41.5	42.0	42.6	42.4	-	4.0	5.0	5.0	4.9
3334	Primary aluminum	-	41.0	41.6	41.5	41.3	-	-	-	-	-
335	Nonferrous rolling and drawing	41.2	40.6	41.2	42.3	42.2	-	2.9	3.6	4.4	4.5
3351	Copper rolling and drawing	-	38.5	39.7	43.1	42.7	-	-	-	-	-
3352	Aluminum rolling and drawing	-	41.1	41.3	42.5	42.8	-	-	-	-	-
3357	Nonferrous wire drawing and insulating	-	41.5	42.3	41.8	41.5	-	-	-	-	-
336	Nonferrous foundries	(*)	39.1	39.0	40.4	41.0	-	2.2	2.0	3.4	3.8
3361	Aluminum castings	-	38.9	38.9	40.2	40.4	-	-	-	-	-
3362,9	Other nonferrous castings	-	39.3	39.1	40.6	41.6	-	-	-	-	-
339	Miscellaneous primary metal products	40.3	40.2	39.2	42.0	42.4	-	3.5	3.4	4.6	5.3
3391	Iron and steel forgings	-	39.9	38.8	41.3	42.2	-	-	-	-	-
	FABRICATED METAL PRODUCTS	40.4	40.4	40.4	41.6	41.7	-	3.1	3.4	4.1	4.3
34	Metal cans	42.4	41.5	43.4	42.9	42.2	-	3.3	5.1	3.7	3.5
342	Cutlery, hand tools, and hardware	39.6	39.5	39.5	41.0	41.2	-	2.0	2.6	3.1	3.3
3421,3,5	Cutlery and hand tools, incl. saws	-	39.8	39.6	41.2	41.5	-	-	-	-	-
3429	Hardware, n e c	-	39.3	39.4	40.8	41.0	-	-	-	-	-
343	Plumbing and heating, except electric	(*)	40.0	39.4	40.7	40.9	-	2.6	2.7	3.4	3.5
3431,2	Sanitary ware & plumbers' brass goods	-	39.0	39.2	40.1	40.2	-	-	-	-	-
3433	Heating equipment, except electric	-	40.8	39.5	41.3	41.6	-	-	-	-	-
344	Fabricated structural metal products	40.7	40.7	40.2	41.2	41.5	-	3.2	3.1	3.9	4.2
3441	Fabricated structural steel	-	41.3	40.9	41.3	41.5	-	-	-	-	-
3442	Metal doors, sash, and trim	-	39.6	38.7	39.9	39.9	-	-	-	-	-
3443	Fabricated plate work (boiler shops)	-	41.7	41.1	42.1	42.3	-	-	-	-	-
3444	Sheet metal work	-	39.9	39.4	40.7	41.3	-	-	-	-	-
3446,9	Architectural and misc. metal work	-	39.7	39.5	41.5	42.0	-	-	-	-	-
345	Screw machine products, bolts, etc.	(*)	40.2	40.3	43.3	43.1	-	2.9	3.1	5.8	5.8
3451	Screw machine products	-	39.9	39.8	41.9	42.3	-	-	-	-	-
3452	Bolts, nuts, rivets, and washers	-	40.4	40.8	44.6	43.9	-	-	-	-	-
346	Metal stampings	41.7	41.1	41.8	42.5	42.9	-	3.8	5.1	4.7	5.2
347	Metal services, n e c	(*)	39.4	39.0	40.0	39.6	-	3.9	3.6	4.8	4.8
348	Misc. fabricated wire products	(*)	39.9	39.1	40.8	40.9	-	2.9	2.4	3.8	4.0
349	Misc. fabricated metal products	39.6	39.9	40.0	41.3	41.5	-	2.5	2.7	3.8	3.7
3494,8	Valves, pipe, and pipe fittings	-	40.3	40.1	41.5	41.9	-	-	-	-	-
	MACHINERY, EXCEPT ELECTRICAL	40.5	40.4	40.2	42.2	42.4	-	2.6	2.6	4.4	4.6
35	Engines and turbines	(*)	40.1	40.6	40.8	40.9	-	2.7	3.9	4.1	4.4
3511	Steam engines and turbines	-	42.1	42.4	42.4	42.2	-	-	-	-	-
3519	Internal combustion engines, n e c	-	39.3	39.9	40.5	40.3	-	-	-	-	-
352	Farm machinery	-	40.1	39.5	40.3	40.5	-	2.4	2.2	2.4	2.9
353	Construction and related machinery	40.5	40.5	40.6	41.3	42.3	-	2.8	2.7	3.7	4.1
3531,2	Construction and mining machinery	-	41.0	41.0	40.2	41.7	-	-	-	-	-
3533	Oil field machinery	-	41.1	40.7	43.6	44.8	-	-	-	-	-
3535,6	Conveyors, hoists, cranes, monorails	-	39.5	39.8	42.2	42.8	-	-	-	-	-
3537	Industrial trucks and tractors	-	37.0	38.3	41.9	41.4	-	-	-	-	-
354	Metal working machinery	(*)	40.4	40.2	44.1	43.8	-	2.7	2.7	6.3	5.9
3541	Machine tools, metal cutting types	-	40.1	40.0	43.4	42.2	-	-	-	-	-
3544	Special dies, tools, jigs, & fixtures	-	41.1	40.6	45.7	45.6	-	-	-	-	-
3545	Machine tool accessories	-	38.9	39.4	42.4	42.0	-	-	-	-	-
3542,8	Misc. metal working machinery	-	40.5	40.3	43.4	43.5	-	-	-	-	-
355	Special industry machinery	40.3	40.5	39.9	42.6	42.9	-	2.8	2.5	4.7	4.8
3551	Food products machinery	-	40.0	39.4	42.9	42.4	-	-	-	-	-
3552	Textile machinery	-	40.5	40.3	41.3	41.7	-	-	-	-	-
3555	Printing trades machinery	-	40.1	39.4	42.8	43.4	-	-	-	-	-
356	General industrial machinery	(*)	39.9	39.5	42.5	42.5	-	2.0	2.4	4.4	4.6
3561	Pumps and compressors	-	40.6	40.7	42.7	42.1	-	-	-	-	-
3562	Ball and roller bearings	-	38.3	37.8	42.2	42.7	-	-	-	-	-
3564	Blowers and fans	-	41.0	39.9	43.1	43.1	-	-	-	-	-
3566	Power transmission equipment	-	40.6	40.2	42.8	43.1	-	-	-	-	-
357	Office and computing machines	41.3	40.8	40.5	41.9	42.0	-	2.0	1.7	3.5	3.7
3573	Electronic computing equipment	-	41.8	41.4	42.2	41.9	-	-	-	-	-
358	Service industry machines	40.8	39.9	40.1	40.6	40.8	-	2.2	2.5	2.6	2.9
3585	Refrigeration machinery	-	40.6	40.4	40.7	40.7	-	-	-	-	-
359	Misc. machinery, except electrical	40.9	40.7	40.4	42.6	42.9	-	3.3	3.2	5.0	5.5

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$133.27	\$132.87	\$131.54	\$126.77	\$126.45	\$3.34	\$3.33	\$3.33	\$3.13	\$3.13
361	Electric test & distributing equipment	147.38	141.29	140.24	134.05	134.55	3.56	3.48	3.48	3.23	3.25
3611	Electric measuring instruments	-	121.98	120.96	120.80	119.90	-	3.16	3.15	2.99	2.99
3612	Transformers	-	137.89	140.01	134.92	137.94	-	3.43	3.44	3.22	3.30
3613	Switchgear and switchboard apparatus	-	156.61	154.42	144.06	142.80	-	3.72	3.73	3.43	3.40
362	Electrical industrial apparatus	(*)	134.98	136.46	131.84	133.81	(*)	3.40	3.42	3.20	3.24
3621	Motors and generators	-	136.80	140.19	132.57	135.79	-	3.42	3.47	3.21	3.28
3622	Industrial controls	-	131.71	132.05	128.39	130.06	-	3.36	3.36	3.17	3.18
363	Household appliances	(*)	140.59	132.83	131.46	132.84	(*)	3.48	3.38	3.23	3.28
3632	Household refrigerators and freezers	-	153.00	142.36	145.55	145.44	-	3.75	3.55	3.55	3.60
3633	Household laundry equipment	-	156.59	142.69	140.94	140.88	-	3.81	3.64	3.48	3.47
3634	Electric housewares and fans	-	110.71	109.44	110.29	110.70	-	2.81	2.85	2.69	2.72
364	Electric lighting and wiring equipment	124.50	122.53	123.40	118.80	118.40	3.16	3.11	3.14	2.97	2.96
3641	Electric lamps	-	131.93	130.56	116.62	120.08	-	3.21	3.20	2.96	3.04
3642	Lighting fixtures	-	117.43	123.95	119.99	120.50	-	3.05	3.17	3.03	3.02
3643,4	Wiring devices	-	119.81	118.50	118.55	116.76	-	3.08	3.07	2.92	2.89
365	Radio and TV receiving equipment	112.71	113.39	116.96	105.81	104.18	2.89	2.90	3.03	2.77	2.72
366	Communication equipment	150.92	149.45	148.67	149.46	146.91	3.69	3.69	3.68	3.55	3.54
3661	Telephone and telegraph apparatus	-	147.29	146.47	153.87	152.08	-	3.61	3.59	3.57	3.57
3662	Radio and TV communication equipment	-	151.53	150.40	146.56	143.62	-	3.76	3.76	3.54	3.52
367	Electronic components and accessories	(*)	114.76	114.17	105.84	106.11	(*)	2.95	2.95	2.70	2.70
3671-3	Electron tubes	-	134.64	134.06	117.90	120.30	-	3.30	3.36	3.00	3.00
3674,9	Other electronic components	-	109.82	109.44	103.88	103.49	-	2.86	2.85	2.65	2.64
369	Misc. electrical equipment & supplies	(*)	139.32	134.75	133.72	135.94	(*)	3.44	3.50	3.31	3.34
3694	Engine electrical equipment	-	140.85	135.04	135.59	136.72	-	3.53	3.63	3.45	3.47
37	TRANSPORTATION EQUIPMENT	163.62	163.22	167.66	165.17	165.51	4.04	4.03	4.15	3.98	3.95
371	Motor vehicles and equipment	(*)	168.51	175.44	171.81	173.85	(*)	4.12	4.30	4.15	4.11
3711	Motor vehicles	-	181.87	184.68	178.05	181.90	-	4.32	4.45	4.28	4.26
3712	Passenger car bodies	-	131.82	201.96	178.13	186.19	-	4.28	4.82	4.42	4.33
3713	Truck and bus bodies	-	136.74	138.95	141.64	141.11	-	3.41	3.50	3.48	3.45
3714	Motor vehicle parts and accessories	-	166.87	168.84	171.39	171.35	-	4.09	4.20	4.12	4.07
3715	Truck trailers	-	126.92	128.54	126.17	122.22	-	3.34	3.33	3.17	3.11
372	Aircraft and parts	(*)	172.62	170.11	168.78	165.48	(*)	4.20	4.19	3.99	3.94
3721	Aircraft	-	174.66	175.07	171.32	167.56	-	4.26	4.27	4.05	3.98
3722	Aircraft engines and engine parts	-	170.55	164.37	165.09	163.12	-	4.17	4.13	3.94	3.94
3723,9	Other aircraft parts and equipment	-	170.15	165.65	166.02	164.40	-	4.10	4.06	3.87	3.85
373	Ship and boat building and repairing	(*)	147.46	150.53	149.04	152.40	(*)	3.83	3.84	3.68	3.69
3731	Ship building and repairing	-	152.42	157.60	159.54	163.10	-	3.99	4.00	3.92	3.93
3732	Boat building and repairing	-	124.66	121.52	117.20	118.15	-	3.14	3.14	2.93	2.91
374	Railroad equipment	-	154.98	156.18	156.72	161.90	-	4.10	4.11	3.86	3.92
375,9	Other transportation equipment	-	124.34	121.91	118.90	118.21	-	3.14	3.15	2.98	2.97
38	INSTRUMENTS AND RELATED PRODUCTS ..	137.76	136.34	134.64	132.75	131.29	3.41	3.40	3.40	3.23	3.21
381	Engineering & scientific instruments	-	152.83	150.93	151.98	149.34	-	3.84	3.87	3.61	3.59
382	Mechanical measuring & control devices	131.32	132.05	128.15	130.97	129.11	3.35	3.36	3.32	3.21	3.18
3821	Mechanical measuring devices	-	134.19	132.33	133.16	132.02	-	3.38	3.35	3.24	3.22
3822	Automatic temperature controls	-	128.87	122.67	127.35	125.11	-	3.33	3.28	3.16	3.12
383,5	Optical and ophthalmic goods	123.80	123.64	123.95	122.11	122.31	3.15	3.13	3.13	3.03	3.02
385	Ophthalmic goods	-	115.84	115.84	111.00	110.60	-	2.94	2.94	2.81	2.80
384	Medical instruments and supplies	118.31	117.51	115.35	112.00	112.28	2.98	2.96	2.95	2.80	2.80
386	Photographic equipment and supplies	(*)	170.13	170.13	164.59	161.41	(*)	4.07	4.07	3.81	3.78
387	Watches, clocks, and watchcases	-	110.83	109.42	101.00	102.57	-	2.75	2.77	2.57	2.61
39	MISC. MANUFACTURING INDUSTRIES	112.32	110.58	109.16	106.90	105.72	2.88	2.85	2.85	2.72	2.69
391	Jewelry, silverware, and plated ware	(*)	123.48	119.50	120.88	119.88	(*)	3.15	3.12	2.97	2.96
394	Toys and sporting goods	-	99.72	98.92	94.04	92.73	-	2.59	2.61	2.43	2.39
3941-3	Games, toys, dolls & play vehicles	-	95.12	93.50	87.46	86.94	-	2.49	2.50	2.32	2.27
3949	Sporting and athletic goods, n e c	-	107.92	106.92	104.12	101.52	-	2.76	2.77	2.59	2.57
395	Pens, pencils, office and art supplies	-	113.10	110.59	103.98	104.66	-	2.90	2.88	2.68	2.67
396	Costume jewelry and notions	-	99.20	98.42	94.85	94.11	-	2.59	2.59	2.47	2.47
393,9	Other manufacturing industries	120.56	118.86	118.04	118.90	118.00	3.06	3.04	3.05	2.98	2.95
393	Musical instruments and parts	-	118.60	118.69	115.92	112.97	-	2.98	3.02	2.92	2.86
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	130.82	129.92	130.56	123.41	121.29	3.23	3.20	3.20	3.01	2.98
201	Meat products	(*)	140.69	142.00	136.31	133.34	(*)	3.39	3.43	3.23	3.19
2011	Meat packing plants	-	174.22	176.34	167.32	160.55	-	4.08	4.12	3.82	3.76
2013	Sausages and other prepared meats	-	148.30	152.72	145.08	144.73	-	3.68	3.68	3.53	3.53
2015	Poultry dressing plants	-	87.82	85.85	84.42	85.27	-	2.19	2.19	2.10	2.09

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
<i>Durable Goods--Continued</i>											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	39.9	39.9	39.5	40.5	40.4	-	2.3	2.2	2.8	2.9
361	Electric test & distributing equipment	41.4	40.6	40.3	41.5	41.4	-	2.8	2.7	3.3	3.4
3611	Electric measuring instruments	-	38.6	38.4	40.4	40.1	-	-	-	-	-
3612	Transformers	-	40.2	40.7	41.9	41.8	-	-	-	-	-
3613	Switchgear and switchboard apparatus	-	42.1	41.4	42.0	42.0	-	-	-	-	-
362	Electrical industrial apparatus	(*)	39.7	39.9	41.2	41.3	-	2.1	2.4	3.4	4.0
3621	Motors and generators	-	40.0	40.4	41.3	41.4	-	-	-	-	-
3622	Industrial controls	-	39.2	39.3	40.5	40.9	-	-	-	-	-
363	Household appliances	(*)	40.4	39.3	40.7	40.5	-	2.8	2.4	2.7	3.0
3632	Household refrigerators and freezers	-	40.8	40.1	41.0	40.4	-	-	-	-	-
3633	Household laundry equipment	-	41.1	39.2	40.5	40.6	-	-	-	-	-
3634	Electric housewares and fans	-	39.4	38.4	41.0	40.7	-	-	-	-	-
364	Electric lighting and wiring equipment	39.4	39.4	39.3	40.0	40.0	-	2.0	2.2	2.7	3.0
3641	Electric lamps	-	41.1	40.8	39.4	39.5	-	-	-	-	-
3642	Lighting fixtures	-	38.5	39.1	39.6	39.9	-	-	-	-	-
3643,4	Wiring devices	-	38.9	38.6	40.6	40.4	-	-	-	-	-
365	Radio and TV receiving equipment	39.0	39.1	38.6	38.2	38.3	-	2.6	2.3	1.4	1.5
366	Communication equipment	40.9	40.5	40.4	42.1	41.5	-	2.3	2.4	3.9	3.0
3661	Telephone and telegraph apparatus	-	40.8	40.8	43.1	42.6	-	-	-	-	-
3662	Radio and TV communication equipment	-	40.3	40.0	41.4	40.8	-	-	-	-	-
367	Electronic components and accessories	(*)	38.9	38.7	39.2	39.3	-	1.4	1.4	2.1	2.2
3671-3	Electron tubes	-	40.8	39.9	39.3	40.1	-	-	-	-	-
3674,9	Other electronic components	-	38.4	38.4	39.2	39.2	-	-	-	-	-
369	Misc. electrical equipment & supplies	(*)	40.5	38.5	40.4	40.7	-	2.8	2.3	2.8	3.1
3694	Engine electrical equipment	-	39.9	37.2	39.3	39.4	-	-	-	-	-
37	TRANSPORTATION EQUIPMENT	40.5	40.5	40.4	41.5	41.9	-	3.0	3.9	3.7	4.1
371	Motor vehicles and equipment	(*)	40.9	40.8	41.4	42.3	-	3.5	4.9	3.8	4.5
3711	Motor vehicles	-	42.1	41.5	41.6	42.7	-	-	-	-	-
3712	Passenger car bodies	-	30.8	41.9	40.3	43.0	-	-	-	-	-
3713	Truck and bus bodies	-	40.1	39.7	40.7	40.9	-	-	-	-	-
3714	Motor vehicle parts and accessories	-	40.8	40.2	41.6	42.1	-	-	-	-	-
3715	Truck trailers	-	38.0	38.6	39.8	39.3	-	-	-	-	-
372	Aircraft and parts	(*)	41.1	40.6	42.3	42.0	-	2.7	2.7	3.7	3.6
3721	Aircraft	-	41.0	41.0	42.3	42.1	-	-	-	-	-
3722	Aircraft engines and engine parts	-	40.9	39.8	41.9	41.4	-	-	-	-	-
3723,9	Other aircraft parts and equipment	-	41.5	40.8	42.9	42.7	-	-	-	-	-
373	Ship and boat building and repairing	(*)	38.5	39.2	40.5	41.3	-	2.4	3.1	3.7	4.1
3731	Ship building and repairing	-	38.2	39.4	40.7	41.5	-	-	-	-	-
3732	Boat building and repairing	-	39.7	38.7	40.0	40.6	-	-	-	-	-
374	Railroad equipment	-	37.8	38.0	40.6	41.3	-	1.8	2.3	3.2	3.7
375,9	Other transportation equipment	-	39.6	38.7	39.9	39.8	-	2.8	2.6	2.8	2.9
38	INSTRUMENTS AND RELATED PRODUCTS	40.4	40.1	39.6	41.1	40.9	-	2.1	2.1	3.3	3.2
381	Engineering & scientific instruments	-	39.8	39.0	42.1	41.6	-	2.1	1.8	4.1	3.9
382	Mechanical measuring & control devices	39.2	39.3	38.6	40.8	40.6	-	1.9	2.1	3.3	3.3
3821	Mechanical measuring devices	-	39.7	39.5	41.1	41.0	-	-	-	-	-
3822	Automatic temperature controls	-	38.7	37.4	40.3	40.1	-	-	-	-	-
383,5	Optical and ophthalmic goods	39.3	39.5	39.6	40.3	40.5	-	1.9	2.0	2.7	3.0
385	Ophthalmic goods	-	39.4	39.4	39.5	39.5	-	2.1	2.1	2.1	2.3
384	Medical instruments and supplies	39.7	39.7	39.1	40.0	40.1	-	2.2	1.9	2.4	2.5
386	Photographic equipment and supplies	(*)	41.8	41.8	43.2	42.7	-	2.5	2.9	4.4	3.9
387	Watches, clocks, and watch cases	-	40.3	39.5	39.3	39.3	-	1.9	1.7	2.3	2.3
39	MISC. MANUFACTURING INDUSTRIES	39.0	38.8	38.3	39.3	39.3	-	2.3	2.1	2.8	2.9
391	Jewelry, silverware, and plated ware	(*)	39.2	38.3	40.7	40.5	-	2.6	2.0	3.7	3.5
394	Toys and sporting goods	-	38.5	37.9	38.7	38.8	-	2.5	2.3	2.3	2.7
3941-3	Games, toys, dolls, & play vehicles	-	38.2	37.4	37.7	38.3	-	-	-	-	-
3949	Sporting and athletic goods, n.e.c.	-	39.1	38.6	40.2	39.5	-	-	-	-	-
395	Pens, pencils, office and art supplies	-	39.0	38.4	38.8	39.2	-	1.6	1.4	2.3	2.3
396	Costume jewelry and notions	-	38.3	38.0	38.4	38.1	-	1.9	1.7	2.3	2.9
393,9	Other manufacturing industries	39.4	39.1	38.7	39.9	40.0	-	2.3	2.2	3.2	3.1
393	Musical instruments and parts	-	39.8	39.3	39.7	39.5	-	2.4	2.2	2.8	2.2
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	40.5	40.6	40.8	41.0	40.7	-	4.0	4.5	4.3	4.3
201	Meat products	(*)	41.5	41.4	42.2	41.8	-	4.8	4.9	5.4	5.1
2011	Meat packing plants	-	42.7	42.8	43.8	42.7	-	-	-	-	-
2013	Sausages and other prepared meats	-	40.3	41.5	41.1	41.0	-	-	-	-	-
2015	Poultry dressing plants	-	40.1	39.2	40.2	40.8	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969
<i>Nondurable Goods--Continued</i>											
FOOD AND KINDRED PRODUCTS--Continued											
202	Dairy products.....	\$136.61	\$136.78	\$141.28	\$130.31	\$127.93	\$3.34	\$3.32	\$3.34	\$3.11	\$3.09
2024	Ice cream and frozen desserts.....	-	127.04	131.29	118.80	117.12	-	3.20	3.21	2.97	2.95
2026	Fluid milk.....	-	145.18	151.28	137.57	135.11	-	3.49	3.51	3.26	3.24
203	Canned, cured, and frozen foods.....	-	103.62	106.23	95.98	96.72	-	2.65	2.71	2.48	2.48
2031,6	Canned, cured, and frozen sea foods.....	-	88.50	79.33	84.67	84.98	-	2.36	2.34	2.27	2.26
2032,3	Canned food, except sea foods.....	-	109.18	114.65	100.10	99.06	-	2.75	2.81	2.56	2.54
2037	Frozen fruits and vegetables.....	-	96.47	93.87	93.85	95.60	-	2.48	2.49	2.37	2.39
204	Grain mill products.....	149.86	151.09	150.52	142.02	139.73	3.36	3.35	3.33	3.17	3.14
2041	Flour and other grain mill products.....	-	164.74	169.66	155.14	152.89	-	3.52	3.52	3.28	3.26
2042	Prepared feeds for animals and fowls.....	-	132.24	130.46	125.66	122.75	-	2.90	2.88	2.78	2.74
205	Bakery products.....	131.87	129.87	131.87	124.22	123.11	3.39	3.33	3.33	3.09	3.07
2051	Bread, cake, and related products.....	-	132.21	135.26	123.24	123.78	-	3.39	3.39	3.12	3.11
2052	Cookies and crackers.....	-	122.54	121.13	126.78	118.69	-	3.15	3.13	2.99	2.86
206	Sugars.....	-	125.29	144.82	122.88	117.45	-	3.14	3.44	2.78	2.90
207	Confectionery and related products.....	(*)	109.42	110.26	102.97	102.31	(*)	2.77	2.82	2.62	2.61
2071	Confectionery products.....	-	106.11	106.43	99.06	98.16	-	2.70	2.75	2.54	2.53
208	Beverages.....	152.00	148.88	150.29	137.20	136.76	3.80	3.75	3.72	3.50	3.48
2082	Malt liquors.....	-	194.65	193.92	182.74	181.80	-	4.83	4.80	4.49	4.50
2086	Bottled and canned soft drinks.....	-	109.13	114.33	101.35	101.11	-	2.82	2.83	2.66	2.64
2089	Misc. foods and kindred products.....	134.62	130.31	129.78	123.90	122.47	3.19	3.14	3.15	2.95	2.93
21	TOBACCO MANUFACTURES	113.87	111.79	108.29	97.73	96.11	2.95	2.83	2.88	2.62	2.49
211	Cigarettes.....	-	140.34	141.21	122.20	117.33	-	3.58	3.63	3.25	3.25
212	Cigars.....	-	85.73	81.40	82.01	81.09	-	2.25	2.20	2.13	2.09
22	TEXTILE MILL PRODUCTS	100.80	99.50	96.19	99.46	98.57	2.52	2.50	2.46	2.42	2.41
221	Weaving mills, cotton.....	103.07	102.25	96.80	100.91	100.67	2.52	2.50	2.42	2.42	2.42
222	Weaving mills, synthetics.....	(*)	102.97	99.50	104.23	104.23	(*)	2.53	2.50	2.47	2.47
223	Weaving and finishing mills, wool.....	99.06	98.68	97.66	101.52	101.76	2.60	2.59	2.53	2.47	2.47
224	Narrow fabric mills.....	100.60	97.57	94.49	97.51	98.16	2.49	2.47	2.48	2.39	2.40
225	Knitting mills.....	90.27	89.76	87.36	89.40	87.94	2.42	2.40	2.40	2.31	2.29
2251	Women's hosiery, except socks.....	-	80.11	81.53	87.55	86.56	-	2.37	2.37	2.28	2.26
2252	Hosiery, n e c.....	-	81.47	75.52	81.79	80.60	-	2.19	2.17	2.13	2.11
2253	Knit outerwear mills.....	-	95.23	91.84	90.38	89.28	-	2.48	2.53	2.41	2.40
2254	Knit underwear mills.....	-	84.29	81.11	78.75	78.60	-	2.23	2.21	2.14	2.13
226	Textile finishing, except wool.....	112.71	110.95	104.38	111.80	107.94	2.69	2.68	2.59	2.60	2.57
227	Floor covering mills.....	-	110.14	108.71	110.00	111.25	-	2.61	2.57	2.50	2.50
228	Yarn and thread mills.....	94.71	92.80	90.68	92.89	91.58	2.35	2.32	2.29	2.26	2.25
229	Miscellaneous textile goods.....	109.73	110.55	110.15	110.24	111.41	2.75	2.75	2.74	2.65	2.64
23	APPAREL AND OTHER TEXTILE PRODUCTS	85.78	84.70	83.45	83.77	83.77	2.43	2.42	2.44	2.34	2.34
231	Men's and boys' suits and coats.....	98.53	98.24	97.74	105.47	104.80	2.95	2.95	2.98	2.82	2.84
232	Men's and boys' furnishings.....	78.17	77.32	76.04	76.01	75.65	2.13	2.13	2.13	2.06	2.05
2321	Men's and boys' shirts and nightwear.....	-	76.38	74.55	75.52	76.15	-	2.11	2.10	2.03	2.02
2327	Men's and boys' separate trousers.....	-	77.38	75.26	74.98	73.80	-	2.12	2.12	2.06	2.05
2328	Men's and boys' work clothing.....	-	73.12	71.81	73.85	72.30	-	2.02	2.04	1.98	1.97
233	Women's and misses' outerwear.....	87.17	85.61	83.42	82.92	83.58	2.61	2.61	2.64	2.49	2.51
2331	Women's and misses' blouses and waists.....	-	78.82	75.84	78.37	76.91	-	2.36	2.40	2.22	2.21
2335	Women's and misses' dresses.....	-	85.32	83.81	81.15	84.30	-	2.70	2.73	2.56	2.61
2337	Women's and misses' suits and coats.....	-	98.82	95.15	94.29	91.79	-	3.05	3.04	2.84	2.79
2339	Women's and misses' outerwear, n e c.....	-	78.46	75.70	77.83	76.30	-	2.21	2.22	2.18	2.18
234	Women's and children's undergarments.....	83.18	80.36	79.25	78.69	78.32	2.23	2.22	2.22	2.15	2.14
2341	Women's and children's underwear.....	-	78.77	77.69	77.49	77.12	-	2.17	2.17	2.10	2.09
2342	Corsets and allied garments.....	-	84.24	84.14	81.59	81.13	-	2.34	2.37	2.26	2.26
235	Hats, caps, and millinery.....	-	82.86	80.00	78.23	76.52	-	2.27	2.26	2.21	2.18
236	Children's outerwear.....	(*)	78.65	77.86	76.25	75.11	(*)	2.26	2.29	2.16	2.14
2361	Children's dresses and blouses.....	-	76.28	71.87	74.34	74.12	-	2.25	2.26	2.13	2.13
237,8	Fur goods and miscellaneous apparel.....	-	93.60	91.90	89.64	89.53	-	2.60	2.56	2.49	2.48
239	Misc. fabricated textile products.....	93.25	92.63	93.47	92.20	92.79	2.48	2.47	2.54	2.42	2.41
2391,2	Housefurnishings.....	-	84.04	81.91	82.68	81.90	-	2.20	2.19	2.12	2.10
26	PAPER AND ALLIED PRODUCTS	147.55	147.14	147.97	142.43	142.66	3.53	3.52	3.54	3.32	3.31
261,2,6	Paper and pulp mills.....	(*)	168.44	173.41	164.13	164.42	(*)	3.89	3.95	3.68	3.67
263	Paperboard mills.....	180.85	177.16	183.01	168.43	164.65	4.01	3.99	4.04	3.71	3.70
264	Misc. converted paper products.....	127.20	127.12	125.69	124.50	124.09	3.18	3.17	3.15	3.00	2.99
2643	Bags, except textile bags.....	-	124.71	122.36	118.90	118.69	-	3.11	3.09	2.90	2.86
265	Paperboard containers and boxes.....	132.68	133.25	130.57	128.02	129.25	3.26	3.25	3.24	3.07	3.07
2651,2	Folding and setup paperboard boxes.....	-	121.09	118.47	119.23	116.85	-	3.05	3.03	2.88	2.85
2653	Corrugated and solid fiber boxes.....	-	143.72	139.47	135.56	140.73	-	3.43	3.41	3.22	3.25
2654	Sanitary food containers.....	-	130.60	131.56	124.38	124.27	-	3.17	3.17	2.99	2.98

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
	<i>Nondurable Goods--Continued</i>										
	FOOD AND KINDRED PRODUCTS--Continued										
202	Dairy products	40.9	41.2	42.3	41.9	41.4	-	3.8	4.6	4.1	4.0
2024	Ice cream and frozen desserts	-	39.7	40.9	40.0	39.7	-	-	-	-	-
2026	Fluid milk	-	41.6	43.1	42.2	41.7	-	-	-	-	-
203	Canned, cured, and frozen foods	-	39.1	39.2	38.7	39.0	-	3.2	4.1	3.0	3.3
2031,6	Canned, cured and frozen sea foods	-	37.5	33.9	37.3	37.6	-	-	-	-	-
2032,3	Canned food, except sea foods	-	39.7	40.8	39.1	39.0	-	-	-	-	-
2037	Frozen fruits and vegetables	-	38.9	37.7	39.6	40.0	-	-	-	-	-
204	Grain mill products	44.6	45.1	45.2	44.8	44.5	-	7.1	7.3	7.0	7.0
2041	Flour and other grain mill products	-	46.8	48.2	47.3	46.9	-	-	-	-	-
2042	Prepared feeds for animals and fowls	-	45.6	45.3	45.2	44.8	-	-	-	-	-
205	Bakery products	38.9	39.0	39.6	40.2	40.1	-	3.1	3.7	4.2	4.3
2051	Bread, cake, and related products	-	39.0	39.9	39.5	39.8	-	-	-	-	-
2052	Cookies and crackers	-	38.9	38.7	42.4	41.5	-	-	-	-	-
206	Sugar	-	39.9	42.1	44.2	40.5	-	4.3	5.5	4.4	3.6
207	Confectionery and related products	(*)	39.5	39.1	39.3	39.2	-	2.7	2.7	2.5	2.8
2071	Confectionery products	-	39.3	38.7	39.0	38.8	-	-	-	-	-
208	Beverages	40.0	39.7	40.4	39.2	39.3	-	3.1	3.8	2.8	3.1
2082	Malt liquors	-	40.3	40.4	40.7	40.4	-	-	-	-	-
2086	Bottled and canned soft drinks	-	38.7	40.4	38.1	38.3	-	-	-	-	-
209	Misc. foods and kindred products	42.2	41.5	41.2	42.0	41.8	-	4.5	4.8	5.3	5.1
21	TOBACCO MANUFACTURES	38.6	39.5	37.6	37.3	38.6	-	2.3	2.3	1.3	1.6
211	Cigarettes	-	39.2	38.9	37.6	36.1	-	2.8	3.5	.8	1.0
212	Cigars	-	38.1	37.0	38.5	38.8	-	2.1	1.2	2.1	1.8
22	TEXTILE MILL PRODUCTS	40.0	39.8	39.1	41.1	40.9	-	3.4	2.9	4.1	4.0
221	Weaving mills, cotton	40.9	40.9	40.0	41.7	41.6	-	4.2	3.3	4.6	4.6
222	Weaving mills, synthetics	(*)	40.7	39.8	42.2	42.2	-	3.3	3.2	4.5	4.5
223	Weaving and finishing mills, wool	38.1	38.1	38.6	41.1	41.2	-	2.0	2.4	3.8	3.7
224	Narrow fabric mills	40.4	39.5	38.1	40.8	40.9	-	2.2	1.8	3.5	3.7
225	Knitting mills	37.3	37.4	36.4	38.7	38.4	-	2.3	1.9	2.7	2.5
2251	Women's hosiery, except socks	-	33.8	34.4	38.4	38.3	-	-	-	-	-
2252	Hosiery, n e c	-	37.2	34.8	38.4	38.2	-	-	-	-	-
2253	Knit outerwear mills	-	38.4	36.3	37.5	37.2	-	-	-	-	-
2254	Knit underwear mills	-	37.8	36.7	36.8	36.9	-	-	-	-	-
226	Textile finishing, except wool	41.9	41.4	40.3	43.0	42.0	-	4.5	3.6	5.7	4.9
227	Floor covering mills	-	42.2	42.3	44.0	44.5	-	4.3	4.1	5.6	5.9
228	Yarn and thread mills	40.3	40.0	39.6	41.1	40.7	-	3.3	3.1	4.0	3.7
229	Miscellaneous textile goods	39.9	40.2	40.2	41.6	42.2	-	3.4	3.4	4.2	4.8
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.3	35.0	34.2	35.8	35.8	-	1.2	1.0	1.4	1.4
231	Men's and boys' suits and coats	33.4	33.3	32.8	37.4	36.9	-	.7	.6	1.4	1.4
232	Men's and boys' furnishings	36.7	36.3	35.7	36.9	36.9	-	1.1	1.0	1.3	1.3
2321	Men's and boys' shirts and nightwear	-	36.2	35.5	37.2	37.7	-	-	-	-	-
2327	Men's and boys' separate trousers	-	36.5	35.5	36.4	36.0	-	-	-	-	-
2328	Men's and boys' work clothing	-	36.2	35.2	37.3	36.7	-	-	-	-	-
233	Women's and misses' outerwear	33.4	32.8	31.6	33.3	33.3	-	1.0	.9	1.2	1.1
2331	Women's and misses' blouses and waists	-	33.4	31.6	35.3	34.8	-	-	-	-	-
2335	Women's and misses' dresses	-	31.6	30.7	31.7	32.3	-	-	-	-	-
2337	Women's and misses' suits and coats	-	32.4	31.3	33.2	32.9	-	-	-	-	-
2339	Women's and misses' outerwear, n e c	-	35.5	34.1	35.7	35.0	-	-	-	-	-
234	Women's and children's undergarments	37.3	36.2	35.7	36.6	36.6	-	1.5	1.2	1.4	1.5
2341	Women's and children's underwear	-	36.3	35.8	36.9	36.9	-	-	-	-	-
2342	Corsets and allied garments	-	36.0	35.5	36.1	35.9	-	-	-	-	-
235	Hats, caps, and millinery	-	36.5	35.4	35.4	35.1	-	1.1	.6	.9	1.1
236	Children's outerwear	(*)	34.8	34.0	35.3	35.1	-	1.0	1.1	1.3	1.3
2361	Children's dresses and blouses	-	33.9	31.8	34.9	34.8	-	-	-	-	-
237,8	Fur goods and miscellaneous apparel	-	36.0	35.9	36.0	36.1	-	1.4	1.0	1.5	1.5
239	Misc. fabricated textile products	37.6	37.5	36.8	38.1	38.5	-	2.1	1.8	2.2	2.2
2391,2	Housefurnishings	-	38.2	37.4	39.0	39.0	-	-	-	-	-
26	PAPER AND ALLIED PRODUCTS	41.8	41.8	41.8	42.9	43.1	-	4.5	4.8	5.5	5.7
261,2,6	Paper and pulp mills	(*)	43.3	43.9	44.6	44.8	-	5.6	6.2	6.6	6.8
263	Paperboard mills	45.1	44.4	45.3	45.4	44.5	-	6.6	7.7	8.1	7.6
264	Misc. converted paper products	40.0	40.1	39.9	41.5	41.5	-	3.1	3.3	4.2	4.2
2643	Bags, except textile bags	-	40.1	39.6	41.0	41.5	-	-	-	-	-
265	Paperboard containers and boxes	40.7	41.0	40.3	41.7	42.1	-	3.8	3.7	4.6	5.2
2651,2	Folding and setup paperboard boxes	-	39.7	39.1	41.4	41.0	-	-	-	-	-
2653	Corrugated and solid fiber boxes	-	41.9	40.9	42.1	43.3	-	-	-	-	-
2654	Sanitary food containers	-	41.2	41.5	41.6	41.7	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	\$150.35	\$149.97	\$151.18	\$145.15	\$144.77	\$4.02	\$4.01	\$4.01	\$3.78	\$3.77
271	Newspapers.....	154.78	153.28	156.17	150.28	148.32	4.36	4.33	4.35	4.14	4.12
272	Periodicals.....	-	173.75	173.77	163.18	163.58	-	4.29	4.28	3.98	3.98
273	Books.....	-	137.54	136.44	131.93	133.00	-	3.61	3.60	3.34	3.35
275	Commercial printing.....	154.71	156.29	157.12	149.34	150.10	4.05	4.07	4.06	3.80	3.80
2751	Commercial printing, ex. lithographic.....	-	152.43	152.06	144.28	146.89	-	3.98	3.96	3.69	3.70
2752	Commercial printing, lithographic.....	-	162.09	165.03	156.82	154.84	-	4.21	4.21	3.96	3.94
278	Blankbooks and bookbinding.....	115.88	114.68	113.77	110.38	110.67	3.09	3.05	3.05	2.92	2.92
274,6,7,9	Other publishing & printing ind.....	(*)	145.49	145.13	142.82	141.31	(*)	3.89	3.87	3.70	3.68
28	CHEMICALS AND ALLIED PRODUCTS	157.70	155.32	158.76	149.52	148.04	3.80	3.77	3.78	3.56	3.55
281	Industrial chemicals.....	176.82	173.47	181.03	168.60	166.60	4.22	4.15	4.21	3.93	3.92
2812	Alkalies and chlorine.....	-	183.59	188.75	175.92	168.63	-	4.24	4.28	3.98	3.94
2818	Industrial organic chemicals, n e c.....	-	180.53	191.80	177.21	175.53	-	4.35	4.45	4.15	4.13
2819	Industrial inorganic chemicals, n e c.....	-	164.81	171.75	158.34	156.42	-	4.01	4.07	3.77	3.76
282	Plastics materials and synthetics.....	155.96	152.85	160.27	148.33	144.35	3.74	3.71	3.71	3.49	3.47
2821	Plastics materials and resins.....	-	164.61	172.66	165.54	159.34	-	3.91	3.96	3.72	3.68
2823,4	Synthetic fibers.....	-	138.29	147.15	131.61	129.44	-	3.44	3.43	3.21	3.22
283	Drugs.....	(*)	145.89	145.52	140.15	139.67	(*)	3.62	3.62	3.41	3.39
2834	Pharmaceutical preparations.....	-	140.00	139.35	136.27	135.79	-	3.50	3.51	3.34	3.32
284	Soap, cleaners, and toilet goods.....	151.70	154.05	149.78	141.51	144.90	3.70	3.73	3.68	3.46	3.50
2841	Soap and other detergents.....	-	193.38	189.81	180.62	186.19	-	4.55	4.53	4.28	4.33
2844	Toilet preparations.....	-	128.54	123.32	114.29	116.47	-	3.12	3.06	2.85	2.89
285	Paints and allied products.....	(*)	141.10	143.67	135.27	136.61	(*)	3.51	3.53	3.34	3.34
287	Agricultural chemicals.....	(*)	127.92	130.29	126.72	126.05	(*)	3.12	3.17	3.01	2.98
2871,2	Fertilizers, complete & mixing only.....	-	124.44	127.19	119.14	120.13	-	2.97	3.05	2.83	2.82
286,9	Other chemical products.....	147.20	144.67	146.78	142.42	139.18	3.53	3.52	3.52	3.44	3.37
2892	Explosives.....	-	150.06	150.33	148.83	143.26	-	3.66	3.64	3.63	3.52
29	PETROLEUM AND COAL PRODUCTS	186.62	187.49	187.49	175.07	173.77	4.33	4.31	4.32	4.10	4.06
291	Petroleum refining.....	193.43	193.91	194.79	182.31	177.65	4.53	4.52	4.53	4.31	4.25
295,9	Other petroleum and coal products.....	(*)	167.16	163.97	153.03	159.84	(*)	3.69	3.66	3.47	3.49
30	RUBBER AND PLASTICS PRODUCTS, N E C	127.73	129.28	132.03	128.64	128.86	3.25	3.24	3.26	3.13	3.12
301	Tires and inner tubes.....	(*)	175.52	187.74	192.19	196.56	(*)	4.41	4.47	4.29	4.32
302,3,6	Other rubber products.....	(*)	125.06	128.07	122.71	122.21	(*)	3.15	3.17	3.06	3.04
302	Rubber footwear.....	-	108.63	105.15	100.61	101.30	-	2.75	2.71	2.69	2.68
307	Miscellaneous plastics products.....	(*)	116.29	116.00	109.89	109.76	(*)	2.90	2.90	2.72	2.71
31	LEATHER AND LEATHER PRODUCTS	93.24	92.37	90.86	90.51	88.80	2.52	2.51	2.51	2.42	2.40
311	Leather tanning and finishing.....	(*)	125.37	120.82	118.50	118.40	(*)	3.15	3.13	3.00	2.99
314	Footwear, except rubber.....	89.06	87.97	87.24	87.93	85.41	2.44	2.43	2.43	2.37	2.34
312,3,5-7,5	Other leather products.....	92.38	91.88	89.78	88.64	88.03	2.49	2.47	2.48	2.37	2.36
316	Luggage.....	-	92.26	89.36	89.92	91.72	-	2.57	2.59	2.45	2.42
317	Handbags and personal leather goods.....	-	91.68	88.80	86.94	84.27	-	2.40	2.40	2.30	2.29
-	TRANSPORTATION AND PUBLIC UTILITIES	159.18	159.96	159.95	152.15	151.70	3.94	3.94	3.93	3.72	3.70
	RAILROAD TRANSPORTATION										
4011	Class I railroads ²	-	(*)	(*)	170.17	167.32	-	(*)	(*)	3.79	3.71
	LOCAL AND INTERURBAN PASSENGER TRANSIT:										
411	Local and suburban transportation.....	-	149.10	147.90	139.31	138.99	-	3.50	3.48	3.21	3.21
413	Intercity highway transportation.....	-	176.30	176.76	161.56	159.96	-	4.10	4.13	3.95	3.94
42	TRUCKING AND WAREHOUSING	-	165.20	164.37	153.50	155.72	-	4.00	3.98	3.69	3.69
421,3	Trucking and trucking terminals.....	-	169.32	167.67	157.54	159.05	-	4.08	4.05	3.76	3.76
422	Public warehousing.....	-	118.56	124.49	113.58	114.05	-	3.04	3.12	2.89	2.83
46	PIPE LINE TRANSPORTATION	-	189.88	192.70	180.96	174.68	-	4.62	4.61	4.35	4.25
48	COMMUNICATION	-	136.50	141.15	136.35	134.67	-	3.50	3.52	3.35	3.35
481	Telephone communication.....	-	134.11	139.04	134.48	132.51	-	3.43	3.45	3.28	3.28
4817	Switchboard operating employees ³	-	97.70	105.25	103.14	98.19	-	2.84	2.86	2.70	2.69
4818	Line construction employees ¹	-	189.10	195.22	192.17	192.17	-	4.24	4.30	4.08	4.08
482	Telegraph communication ⁵	-	157.59	161.50	143.44	148.16	-	3.77	3.80	3.49	3.57
483	Radio and television broadcasting.....	-	151.64	151.29	146.69	145.92	-	3.98	3.95	3.82	3.80

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. p 1970	Oct. p 1970	Sept. 1970	Nov. 1969	Oct. 1969	Nov. p 1970	Oct. p 1970	Sept. 1970	Nov. 1969	Oct. 1969
	<i>Nondurable Goods--Continued</i>										
27	PRINTING AND PUBLISHING	37.4	37.4	37.7	38.4	38.4	-	2.8	3.0	3.4	3.5
271	Newspapers	35.5	35.4	35.9	36.3	36.0	-	2.5	2.9	3.2	3.1
272	Periodicals	-	40.5	40.6	41.0	41.1	-	4.6	4.6	5.0	5.2
273	Books	-	38.1	37.9	39.5	39.7	-	2.3	2.5	3.0	3.3
275	Commercial printing	38.2	38.4	38.7	39.3	39.5	-	3.3	3.4	3.7	4.1
2751	Commercial printing, ex. lithographic	-	38.3	38.4	39.1	39.7	-	-	-	-	-
2752	Commercial printing, lithographic	-	38.5	39.2	39.6	39.3	-	-	-	-	-
278	Blankbooks and bookbinding	37.5	37.6	37.3	37.8	37.9	-	1.9	1.9	2.3	2.7
274,6,7,9	Other publishing & printing ind.	(*)	37.4	37.5	38.6	38.4	-	2.1	2.4	3.1	3.1
28	CHEMICALS AND ALLIED PRODUCTS ..	41.5	41.2	42.0	42.0	41.7	-	2.9	3.5	3.3	3.4
281	Industrial chemicals	41.9	41.8	43.0	42.9	42.5	-	3.4	4.5	3.9	3.9
2812	Alkalies and chlorine	-	43.3	44.1	44.2	42.8	-	-	-	-	-
2818	Industrial organic chemicals, n e c ..	-	41.5	43.1	42.7	42.5	-	-	-	-	-
2819	Industrial inorganic chemicals, n e c ..	-	41.1	42.2	42.0	41.6	-	-	-	-	-
282	Plastics materials and synthetics	41.7	41.2	43.2	42.5	41.6	-	2.5	3.3	2.9	2.9
2821	Plastics materials and resins	-	42.1	43.6	44.5	43.3	-	-	-	-	-
2823,4	Synthetic fibers	-	40.2	42.9	41.0	40.2	-	-	-	-	-
283	Drugs	(*)	40.3	40.2	41.1	41.2	-	2.0	2.4	3.1	3.2
2834	Pharmaceutical preparations	-	40.0	39.7	40.8	40.9	-	-	-	-	-
284	Soap, cleaners, and toilet goods	41.0	41.3	40.7	40.9	41.4	-	3.4	3.2	3.2	3.6
2841	Soap and other detergents	-	42.5	41.9	42.2	43.0	-	-	-	-	-
2844	Toilet preparations	-	41.2	40.3	40.1	40.3	-	-	-	-	-
285	Paints and allied products	(*)	40.2	40.7	40.5	40.9	-	2.5	3.1	2.5	3.1
287	Agricultural chemicals	(*)	41.0	41.1	42.1	42.3	-	3.6	3.9	4.4	4.2
2871,2	Fertilizers, complete & mixing only ..	-	41.9	41.7	42.1	42.6	-	-	-	-	-
286,9	Other chemical products	41.7	41.1	41.7	41.4	41.3	-	2.9	3.3	3.1	2.9
2892	Explosives	-	41.0	41.3	41.0	40.7	-	-	-	-	-
29	PETROLEUM AND COAL PRODUCTS	43.1	43.5	43.4	42.7	42.8	-	4.7	4.2	4.0	4.3
291	Petroleum refining	42.7	42.9	43.0	42.3	41.8	-	3.8	3.2	3.0	3.1
295,9	Other petroleum and coal products	(*)	45.3	44.8	44.1	45.8	-	7.6	7.3	7.1	8.2
30	RUBBER AND PLASTICS PRODUCTS, NEC ..	39.3	39.9	40.5	41.1	41.3	-	3.2	3.6	4.1	4.4
301	Tires and inner tubes	(*)	39.8	42.0	44.8	45.5	-	4.3	5.5	7.2	7.9
302,3,6	Other rubber products	(*)	39.7	40.4	40.1	40.2	-	2.5	3.0	3.0	3.2
302	Rubber footwear	-	39.5	38.8	37.4	37.8	-	2.8	2.1	2.1	2.1
307	Miscellaneous plastics products	(*)	40.1	40.0	40.4	40.5	-	3.1	3.3	3.6	3.8
31	LEATHER AND LEATHER PRODUCTS	37.0	36.8	36.2	37.4	37.0	-	1.6	1.3	2.1	1.7
311	Leather tanning and finishing	(*)	39.8	38.6	39.5	39.6	-	3.3	2.9	3.4	3.4
314	Footwear, except rubber	36.5	36.2	35.9	37.1	36.5	-	1.3	1.1	1.9	1.4
312,3,5-7,9	Other leather products	37.1	37.2	36.2	37.4	37.3	-	1.9	1.5	2.0	2.1
316	Luggage	-	35.9	34.5	36.7	37.9	-	1.4	.7	2.1	2.8
317	Handbags and personal leather goods ..	-	38.2	37.0	37.8	36.8	-	2.6	2.1	2.0	2.0
-	TRANSPORTATION AND PUBLIC UTILITIES	40.4	40.6	40.7	40.9	41.0	-	-	-	-	-
4011	RAILROAD TRANSPORTATION: Class 1 railroads ²	-	(*)	(*)	44.9	45.1	-	-	-	-	-
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	-	42.6	42.5	43.4	43.3	-	-	-	-	-
413	Intercity highway transportation	-	43.0	42.8	40.9	40.6	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	-	41.3	41.3	41.6	42.2	-	-	-	-	-
421,3	Trucking and trucking terminals	-	41.5	41.4	41.9	42.3	-	-	-	-	-
422	Public warehousing	-	39.0	39.9	39.3	40.3	-	-	-	-	-
46	PIPE LINE TRANSPORTATION	-	41.1	41.8	41.6	41.1	-	-	-	-	-
48	COMMUNICATION	-	39.0	40.1	40.7	40.2	-	-	-	-	-
481	Telephone communication	-	39.1	40.3	41.0	40.4	-	-	-	-	-
4817	Switchboard operating employees ³ ..	-	34.4	36.8	38.2	36.5	-	-	-	-	-
4818	Line construction employees ⁴	-	44.6	45.4	47.1	47.1	-	-	-	-	-
482	Telegraph communication ⁵	-	41.8	42.5	41.1	41.5	-	-	-	-	-
483	Radio and television broadcasting	-	38.1	38.3	38.4	38.4	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Nov. 1969	Oct. 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	\$176.39	\$175.13	\$167.65	\$166.38	-	\$4.23	\$4.22	\$4.03	\$3.99
491	Electric companies and systems	-	179.32	178.04	168.90	169.66	-	4.29	4.29	4.06	4.03
492	Gas companies and systems	-	161.48	159.03	152.81	151.57	-	3.91	3.86	3.70	3.67
493	Combination companies and systems...	-	191.86	190.03	185.20	182.25	-	4.59	4.59	4.42	4.36
494-7	Water, steam, & sanitary systems	-	150.78	151.01	139.59	136.94	-	3.59	3.57	3.38	3.34
-	WHOLESALE AND RETAIL TRADE.....	\$96.60	96.60	97.08	92.58	92.13	\$2.76	2.76	2.75	2.63	2.61
50	WHOLESALE TRADE.....	140.00	138.85	137.76	133.87	132.59	3.50	3.48	3.47	3.33	3.29
501	Motor vehicles & automotive equipment ..	-	129.85	128.08	124.03	123.02	-	3.23	3.21	3.04	3.03
502	Drugs, chemicals, and allied products...	-	142.32	142.69	136.37	135.09	-	3.64	3.64	3.47	3.42
503	Dry goods and apparel.....	-	127.97	127.28	122.67	122.95	-	3.44	3.44	3.28	3.27
504	Groceries and related products	-	131.05	132.11	123.20	122.41	-	3.26	3.27	3.08	3.03
506	Electrical goods.....	-	140.15	135.32	139.85	137.28	-	3.41	3.40	3.26	3.23
507	Hardware, plumbing & heating equipment ..	-	133.45	132.53	127.20	126.63	-	3.37	3.33	3.18	3.15
508	Machinery, equipment, and supplies.....	-	153.03	151.78	148.51	146.32	-	3.76	3.72	3.64	3.56
509	Miscellaneous wholesalers.....	-	139.55	139.20	135.49	133.51	-	3.56	3.56	3.43	3.38
52-59	RETAIL TRADE.....	83.08	83.08	84.07	79.30	79.20	2.48	2.48	2.48	2.36	2.35
53	Retail general merchandise	-	76.64	78.32	72.50	72.50	-	2.41	2.44	2.28	2.28
531	Department stores	-	80.13	83.00	75.50	75.75	-	2.56	2.61	2.42	2.42
532	Mail order houses	-	94.98	97.66	84.25	84.37	-	2.56	2.57	2.36	2.39
533	Variety stores	-	58.48	58.87	56.29	55.61	-	1.93	1.93	1.87	1.86
54	Food stores.....	-	87.73	91.08	84.10	83.14	-	2.75	2.76	2.62	2.59
541-3	Grocery, meat, and vegetable stores ..	-	89.56	93.57	85.60	84.36	-	2.79	2.81	2.65	2.62
56	Apparel and accessory stores	-	72.36	73.37	68.99	68.89	-	2.29	2.30	2.19	2.18
561	Men's & boys' clothing & furnishings ..	-	88.78	89.23	85.85	84.00	-	2.65	2.64	2.54	2.50
562	Women's ready-to-wear stores	-	65.18	64.78	61.81	62.22	-	2.13	2.11	2.02	2.02
565	Family clothing stores.....	-	68.06	70.02	64.80	65.65	-	2.05	2.09	2.00	2.02
566	Shoe stores.....	-	73.30	76.55	69.08	69.62	-	2.38	2.43	2.28	2.29
57	Furniture and home furnishings stores ..	-	110.56	110.26	107.38	106.02	-	2.98	2.98	2.91	2.85
571	Furniture and home furnishings.....	-	109.59	109.96	106.76	105.84	-	2.97	2.98	2.87	2.83
58	Eating and drinking places ⁶	-	58.02	58.78	54.87	55.05	-	1.89	1.89	1.77	1.77
52,55,59	Other retail trade	-	102.65	102.54	99.41	99.68	-	2.73	2.72	2.63	2.63
52	Building materials and farm equipment ..	-	114.62	113.26	108.38	108.26	-	2.88	2.86	2.73	2.72
551,2	Motor vehicle dealers	-	133.65	132.59	131.29	131.29	-	3.30	3.29	3.21	3.21
553,9	Other automotive & accessory dealers ..	-	113.58	113.98	110.81	110.27	-	2.75	2.74	2.67	2.67
591	Drug stores and proprietary stores ..	-	74.88	75.76	72.59	71.64	-	2.40	2.39	2.29	2.26
594	Book and stationery stores	-	85.32	87.12	83.33	82.83	-	2.57	2.57	2.48	2.48
598	Fuel and ice dealers.....	-	125.46	118.78	119.65	116.97	-	2.98	2.89	2.89	2.86
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	115.87	114.82	113.09	111.23	109.45	3.14	3.12	3.09	2.99	2.95
60	Banking	-	104.14	103.21	100.07	98.95	-	2.83	2.82	2.69	2.66
61	Credit agencies other than banks	-	106.13	105.19	103.47	100.66	-	2.83	2.82	2.73	2.67
612	Savings and loan associations	-	102.67	102.03	100.07	97.57	-	2.79	2.78	2.69	2.63
62	Security, commodity brokers & services ..	-	172.24	163.47	173.04	168.06	-	4.63	4.43	4.59	4.53
63	Insurance carriers	-	122.88	122.54	118.18	116.12	-	3.33	3.33	3.16	3.13
631	Life insurance	-	125.20	124.12	120.90	118.99	-	3.43	3.41	3.25	3.26
632	Accident and health insurance	-	112.79	111.96	106.72	103.74	-	3.09	3.11	2.90	2.85
633	Fire, marine, and casualty insurance...	-	123.05	123.42	118.63	116.73	-	3.29	3.30	3.13	3.08
-	SERVICES.....	101.23	99.81	99.76	94.11	92.81	2.96	2.91	2.90	2.72	2.69
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶ ...	-	68.80	68.46	66.53	65.82	-	2.00	1.99	1.89	1.87
	Personal Services:										
721	Laundries and dry cleaning plants....	-	79.25	79.30	73.95	74.21	-	2.22	2.24	2.06	2.05
722	Photographic studios	-	91.63	89.09	84.37	84.68	-	2.45	2.56	2.37	2.32
	Motion pictures:										
781	Motion picture filming & distributing..	-	186.28	184.47	178.31	185.47	-	4.74	4.73	4.68	4.66

See footnotes at end of table.

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

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969	Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969
-	TRANSPORTATION AND PUBLIC UTILITIES--Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	-	41.7	41.5	41.6	41.7	-	-	-	-	-
491	Electric companies and systems.....	-	41.8	41.5	41.6	42.1	-	-	-	-	-
492	Gas companies and systems.....	-	41.3	41.2	41.3	41.3	-	-	-	-	-
493	Combination companies and systems..	-	41.8	41.4	41.9	41.8	-	-	-	-	-
494-7	Water, steam & sanitary systems.....	-	42.0	42.3	41.3	41.0	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE.....	35.0	35.0	35.3	35.2	35.3	-	-	-	-	-
50	WHOLESALE TRADE.....	40.0	39.9	39.7	40.2	40.3	-	-	-	-	-
501	Motor vehicles & automotive equipment..	-	40.2	39.9	40.8	40.6	-	-	-	-	-
502	Drugs, chemicals, and allied products...	-	39.1	39.2	39.3	39.5	-	-	-	-	-
503	Dry goods and apparel.....	-	37.2	37.0	37.4	37.6	-	-	-	-	-
504	Groceries and related products.....	-	40.2	40.4	40.0	40.4	-	-	-	-	-
506	Electrical goods.....	-	41.1	39.8	42.9	42.5	-	-	-	-	-
507	Hardware; plumbing & heating equipment	-	39.6	39.8	40.0	40.2	-	-	-	-	-
508	Machinery, equipment, and supplies....	-	40.7	40.8	40.8	41.1	-	-	-	-	-
509	Miscellaneous wholesalers.....	-	39.2	39.1	39.5	39.5	-	-	-	-	-
52-59	RETAIL TRADE.....	33.5	33.5	33.9	33.6	33.7	-	-	-	-	-
53	Retail general merchandise.....	-	31.8	32.1	31.8	31.8	-	-	-	-	-
531	Department stores.....	-	31.3	31.8	31.2	31.3	-	-	-	-	-
532	Mail order houses.....	-	37.1	38.0	35.7	35.3	-	-	-	-	-
533	Variety stores.....	-	30.3	30.5	30.1	29.9	-	-	-	-	-
54	Food stores.....	-	31.9	33.0	32.1	32.1	-	-	-	-	-
541-3	Grocery, meat, and vegetable stores...	-	32.1	33.3	32.3	32.2	-	-	-	-	-
56	Apparel and accessory stores.....	-	31.6	31.9	31.5	31.6	-	-	-	-	-
561	Men's & boys' clothing & furnishings..	-	33.5	33.8	33.8	33.6	-	-	-	-	-
562	Women's ready-to-wear stores.....	-	30.6	30.7	30.6	30.8	-	-	-	-	-
565	Family clothing stores.....	-	33.2	33.5	32.4	32.5	-	-	-	-	-
566	Shoe stores.....	-	30.8	31.5	30.3	30.4	-	-	-	-	-
57	Furniture and home furnishings stores..	-	37.1	37.0	36.9	37.2	-	-	-	-	-
571	Furniture and home furnishings.....	-	36.9	36.9	37.2	37.4	-	-	-	-	-
58	Eating and drinking places ⁶	-	30.7	31.1	31.0	31.1	-	-	-	-	-
52,55,59	Other retail trade.....	-	37.6	37.7	37.8	37.9	-	-	-	-	-
52	Building materials and farm equipment	-	39.8	39.6	39.7	39.8	-	-	-	-	-
551,2	Motor vehicle dealers.....	-	40.5	40.3	40.9	40.9	-	-	-	-	-
553,9	Other automotive & accessory dealers..	-	41.3	41.6	41.5	41.3	-	-	-	-	-
591	Drug stores and proprietary stores...	-	31.2	31.7	31.7	31.7	-	-	-	-	-
594	Book and stationery stores.....	-	33.2	33.9	33.6	33.4	-	-	-	-	-
598	Fuel and ice dealers.....	-	42.1	41.1	41.4	40.9	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷.....	36.9	36.8	36.6	37.2	37.1	-	-	-	-	-
60	Banking.....	-	36.8	36.6	37.2	37.2	-	-	-	-	-
61	Credit agencies other than banks.....	-	37.5	37.3	37.9	37.7	-	-	-	-	-
612	Savings and loan associations.....	-	36.8	36.7	37.2	37.1	-	-	-	-	-
62	Security, commodity brokers & services.	-	37.2	36.9	37.7	37.1	-	-	-	-	-
63	Insurance carriers.....	-	36.9	36.8	37.4	37.1	-	-	-	-	-
631	Life insurance.....	-	36.5	36.4	37.2	36.5	-	-	-	-	-
632	Accident and health insurance.....	-	36.5	36.0	36.8	36.4	-	-	-	-	-
633	Fire, marine, and casualty insurance..	-	37.4	37.4	37.9	37.9	-	-	-	-	-
-	SERVICES.....	34.2	34.3	34.4	34.6	34.5	-	-	-	-	-
701	Hotels and other lodging places: Hotels, tourist courts, and motels ⁶ ...	-	34.4	34.4	35.2	35.2	-	-	-	-	-
721	Personal Services: Laundries & dry cleaning plants.....	-	35.7	35.4	35.9	36.2	-	-	-	-	-
722	Photographic studios.....	-	37.4	34.8	35.6	36.5	-	-	-	-	-
781	Motion pictures: Motion picture filming & distributing..	-	39.3	39.0	38.1	39.8	-	-	-	-	-

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

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

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1968, such employees made up 32 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1968, such employees made up 32 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

⁷ Data for nonoffice salesmen excluded from all series in this division.

* Not available.

p = preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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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			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	
EXECUTIVE BRANCH														
Total employment	2,611.9	2,637.4	2,662.9	2,672.7	2,728.6	2,802.0	2,721.7	2,658.3	2,654.1	2,724.9	2,669.2	2,679.6	2,697.3	
Average weekly hours	39.4	39.2	39.3	38.9	38.2	37.9	38.2	39.5	39.2	39.6	39.6	39.5	39.3	
Average overtime hours . . . . .	.9	.9	.8	.8	.8	.9	.9	1.0	1.0	1.5	1.0	.9	1.0
Indexes (1965=100):														
Average weekly earnings	138.8	135.6	133.6	134.0	132.4	129.2	124.7	128.9	128.2	130.4	128.7	127.2	126.0	
Average hourly earnings	142.7	140.1	137.7	139.5	140.4	138.0	132.2	132.2	132.5	133.3	131.6	130.4	129.8	
DEPARTMENT OF DEFENSE														
Total employment	1,013.4	1,021.9	1,034.5	1,044.7	1,048.1	1,053.4	1,057.3	1,069.1	1,075.7	1,083.9	1,091.0	1,102.8	1,111.6	
Average weekly hours	39.9	40.0	39.9	39.3	39.7	40.0	40.0	40.0	39.2	39.1	39.8	40.1	39.6	
Average overtime hours . . . . .	.8	.7	.7	.8	.7	.7	.8	.8	.8	.8	.8	.8	.9
Indexes (1965=100):														
Average weekly earnings	138.0	135.0	134.4	136.0	137.9	136.4	130.2	130.2	127.3	128.1	128.4	126.8	125.2	
Average hourly earnings	141.1	137.7	137.4	141.1	141.7	139.1	132.7	132.7	132.4	133.6	131.6	129.0	129.0	
POST OFFICE DEPARTMENT														
Total employment	718.7	723.5	726.8	723.9	716.5	716.0	713.9	724.8	725.2	793.6	726.1	725.5	726.5	
Average weekly hours	38.9	38.8	38.5	38.7	38.7	39.0	38.0	39.1	39.2	40.8	39.7	38.8	38.7	
Average overtime hours . . . . .	.9	.9	.7	.9	1.2	1.6	1.3	1.4	1.6	3.3	1.5	1.3	1.2
Indexes (1965=100):														
Average weekly earnings	135.2	134.2	123.1	124.6	125.3	126.8	116.3	119.4	120.6	127.2	121.5	118.4	117.8	
Average hourly earnings	143.6	142.9	132.0	133.0	133.7	134.3	126.4	126.1	127.1	128.7	126.4	126.1	125.7	
OTHER AGENCIES														
Total employment	879.8	892.0	901.6	904.1	964.0	1,032.6	950.5	864.4	853.2	847.4	852.1	851.3	859.2	
Average weekly hours	39.2	38.5	39.2	38.6	36.1	34.9	36.5	39.1	39.2	39.1	39.3	39.3	39.4	
Average overtime hours	1.1	.9	1.0	.9	.7	.7	.8	.8	.9	.8	.9	.8	.8	
Indexes (1965=100):														
Average weekly earnings	143.1	137.3	140.9	139.3	130.8	123.1	125.0	134.9	135.8	136.0	135.6	135.1	133.8	
Average hourly earnings	144.2	140.9	142.0	142.5	143.1	139.3	135.2	136.3	136.9	137.4	136.3	135.8	134.1	

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

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Nov. 1970 P	Oct. 1970 P	Sept. 1970	Nov. 1969	Oct. 1969
MANUFACTURING	\$3.28	\$3.26	\$3.29	\$3.12	\$3.11
DURABLE GOODS	3.47	3.45	3.49	3.31	3.29
Ordnance and accessories	-	3.58	3.56	3.42	3.38
Lumber and wood products	-	2.93	2.93	2.73	2.71
Furniture and fixtures	-	2.71	2.72	2.60	2.57
Stone, clay, and glass products	-	3.30	3.28	3.12	3.09
Primary metal industries	-	3.87	3.91	3.68	3.67
Fabricated metal products	-	3.43	3.46	3.25	3.23
Machinery, except electrical	-	3.69	3.68	3.49	3.48
Electrical equipment and supplies	-	3.23	3.24	3.02	3.02
Transportation equipment	-	3.89	3.96	3.81	3.77
Instruments and related products	-	3.32	3.31	3.11	3.09
Miscellaneous manufacturing industries	-	2.76	2.77	2.63	2.59
NONDURABLE GOODS	3.04	3.01	3.02	2.85	2.84
Food and kindred products	-	3.05	3.04	2.86	2.83
Tobacco manufactures	-	2.75	2.80	2.58	2.44
Textile mill products	-	2.39	2.37	2.30	2.30
Apparel and other textile products	-	2.38	2.41	2.30	2.30
Paper and allied products	-	3.34	3.35	3.12	3.11
Printing and publishing	-	3.87	3.85	3.62	3.60
Chemicals and allied products	-	3.64	3.63	3.43	3.41
Petroleum and coal products	-	4.09	4.12	3.92	3.86
Rubber and plastics products, n e c	-	3.12	3.12	2.98	2.97
Leather and leather products	-	2.45	2.46	2.36	2.35

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

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

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**
**C-5: Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, in current and 1957-59 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
	Oct. 1970 ^p	Sept 1970	Oct. 1969	Worker with no dependents			Worker with three dependents		
				Oct. 1970 ^p	Sept. 1970	Oct. 1969	Oct. 1970 ^p	Sept. 1970	Oct. 1969
TOTAL PRIVATE:									
Current dollars	\$121.73	\$121.73	\$117.31	\$97.64	\$97.64	\$92.94	\$106.40	\$106.40	\$102.06
1957-59 dollars	88.60	89.11	90.38	71.06	71.48	71.60	77.44	77.89	78.63
MINING:									
Current dollars	168.13	164.55	159.78	132.54	129.78	124.03	143.58	140.62	135.14
1957-59 dollars	122.37	120.46	123.10	96.46	95.01	95.55	104.50	102.94	104.11
CONTRACT CONSTRUCTION:									
Current dollars	203.42	194.03	189.97	158.83	152.13	146.57	172.46	164.90	159.65
1957-59 dollars	148.05	142.04	146.36	115.60	111.37	112.92	125.52	120.72	123.00
MANUFACTURING:									
Current dollars	133.85	135.43	132.28	106.71	107.90	103.93	116.00	117.25	113.57
1957-59 dollars	97.42	99.14	101.91	77.66	78.99	80.07	84.43	85.83	87.50
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	159.96	159.95	151.70	126.25	126.25	117.95	136.84	136.83	128.58
1957-59 dollars	116.42	117.09	116.87	91.89	92.42	90.87	99.59	100.17	99.06
WHOLESALE AND RETAIL TRADE:									
Current dollars	96.60	97.08	92.13	78.75	79.12	74.27	86.61	87.00	82.74
1957-59 dollars	70.31	71.07	70.98	57.31	57.92	57.22	63.03	63.69	63.74
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	114.82	113.09	109.45	92.46	91.16	87.17	100.92	99.56	96.07
1957-59 dollars	83.57	82.79	84.32	67.29	66.73	67.16	73.45	72.88	74.01
SERVICES:									
Current dollars	99.81	99.76	92.81	81.22	81.18	74.79	89.15	89.11	83.28
1957-59 dollars	72.64	73.03	71.50	59.11	59.43	57.62	64.88	65.23	64.16
CONSUMER PRICE INDEX (All items, 1957-59 = 100)	137.4	136.6	129.8	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

¹For coverage of series, see footnote 1, table B-2.
p = preliminary (applicable to earnings data only).

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

Industry	1957-59=100				
	Nov. 1970 ^p	Oct. 1970 ^p	Sept. 1970	Nov. 1969	Oct. 1969
TOTAL	106.0	108.5	111.6	118.4	121.0
MINING	81.1	80.7	80.3	81.5	81.8
CONTRACT CONSTRUCTION	109.9	119.2	115.9	121.4	129.4
MANUFACTURING	106.6	107.9	112.4	119.7	121.4
DURABLE GOODS	106.3	107.9	114.7	124.8	127.7
Ordnance and accessories	137.5	137.5	144.6	193.9	192.7
Lumber and wood products	86.5	88.4	89.8	92.4	94.1
Furniture and fixtures	120.6	120.8	118.9	130.5	132.5
Stone, clay, and glass products	105.0	107.0	109.4	113.3	114.8
Primary metal industries	96.2	98.6	107.9	114.4	115.1
Fabricated metal products	115.8	117.6	123.0	131.9	132.1
Machinery, except electrical	115.2	116.8	120.7	136.7	138.1
Electrical equipment and supplies	130.2	131.9	134.6	139.7	151.2
Transportation equipment	83.7	85.1	106.1	120.5	124.5
Instruments and related products	118.0	117.7	118.5	132.0	131.6
Miscellaneous manufacturing industries	106.0	107.0	105.4	114.9	117.3
NONDURABLE GOODS	107.0	107.9	109.4	113.0	113.3
Food and kindred products	98.5	101.6	106.2	100.9	102.3
Tobacco manufactures	83.4	90.2	87.8	83.4	94.7
Textile mill products	98.0	98.1	97.3	106.6	106.0
Apparel and other textile products	112.5	111.1	109.7	116.9	117.4
Paper and allied products	115.3	114.2	116.6	122.2	121.8
Printing and publishing	116.6	116.8	117.9	122.3	121.8
Chemicals and allied products	118.8	119.3	122.5	124.5	123.6
Petroleum and coal products	82.4	83.8	84.1	83.2	83.9
Rubber and plastics products, nec.	143.5	150.0	155.8	168.2	168.7
Leather and leather products	83.8	82.6	81.6	89.3	87.5
	Payrolls				
MINING	127.5	126.7	125.2	121.5	121.1
CONTRACT CONSTRUCTION	211.5	228.7	220.0	213.7	227.3
MANUFACTURING	171.0	172.5	182.0	184.6	186.6

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

ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS

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

Industry	Nov. 1970 ^P	Oct. 1970 ^P	Sept. 1970	Aug. 1970	July 1970	June 1970	May 1970	Apr. 1970	Mar. 1970	Feb. 1970	Jan. 1970	Dec. 1969	Nov. 1969
TOTAL PRIVATE	36.9	36.9	36.8	37.2	37.3	37.2	37.1	37.2	37.4	37.3	37.5	37.6	37.6
MINING	43.0	42.7	42.0	42.2	42.5	42.4	42.6	43.1	43.2	43.4	42.7	43.2	43.5
CONTRACT CONSTRUCTION	37.0	36.9	35.1	37.3	37.4	37.6	38.1	38.3	38.0	38.2	36.7	38.2	38.1
MANUFACTURING	39.5	39.4	39.3	39.8	40.1	39.8	39.8	40.0	40.2	39.9	40.3	40.7	40.5
<i>Overtime hours</i>	2.5	2.7	2.8	3.0	3.0	3.1	2.9	3.0	3.2	3.2	3.3	3.5	3.5
DURABLE GOODS	40.0	39.9	39.8	40.3	40.7	40.4	40.3	40.4	40.7	40.5	41.0	41.3	41.1
<i>Overtime hours</i>	2.3	2.6	2.7	2.9	3.1	3.2	3.0	3.0	3.2	3.2	3.4	3.6	3.5
<i>Ordinance and accessories</i>	40.7	40.1	39.7	40.4	40.3	40.6	40.8	41.1	41.1	41.3	40.6	40.5	40.3
Lumber and wood products	40.1	39.4	39.6	39.8	39.8	39.6	39.7	39.8	39.5	40.1	39.6	40.3	40.2
Furniture and fixtures	39.4	39.1	38.3	39.0	39.3	38.9	38.8	39.3	39.4	39.3	39.5	40.0	40.0
Stone, clay, and glass products	41.1	41.0	40.9	41.0	41.2	41.1	41.3	41.6	41.8	41.7	41.7	42.1	41.8
Primary metal industries	39.1	39.8	40.9	40.4	40.7	40.4	40.2	40.1	40.7	40.9	41.2	41.7	41.6
Fabricated metal products	40.2	40.1	39.8	40.6	41.3	40.9	40.6	40.9	41.2	41.1	41.4	41.5	41.4
Machinery, except electrical	40.5	40.4	40.1	40.9	41.1	41.1	41.1	41.4	41.8	41.9	42.2	42.6	42.2
Electrical equipment and supplies	39.5	39.7	39.2	39.9	40.4	39.5	39.7	40.0	40.2	39.7	40.5	40.3	40.1
Transportation equipment	39.7	39.8	39.8	40.7	41.2	41.6	40.3	39.7	40.4	40.3	40.2	41.4	40.7
Instruments and related products	40.2	39.9	39.4	40.0	40.3	40.2	40.1	40.5	40.7	40.2	40.7	40.9	40.9
Miscellaneous manufacturing industries	38.7	38.4	38.1	38.6	39.1	38.6	38.7	39.0	39.0	38.6	39.3	39.3	38.9
NONDURABLE GOODS	38.8	38.9	38.6	39.1	39.3	39.0	39.1	39.4	39.4	39.3	39.6	39.8	39.6
<i>Overtime hours</i>	2.7	2.8	2.8	3.0	2.9	3.0	3.0	3.0	3.2	3.2	3.4	3.3	3.3
Food and kindred products	40.3	40.5	40.0	40.7	40.2	40.3	40.7	40.6	40.5	40.7	41.0	40.8	40.8
Tobacco manufactures	38.5	38.2	36.1	37.4	37.9	37.4	37.1	38.3	37.5	37.3	38.3	36.2	37.2
Textile mill products	39.6	39.5	38.8	39.9	40.3	40.0	39.8	40.6	40.2	40.1	40.4	40.9	40.7
Apparel and other textile products	35.3	35.0	34.2	35.1	35.5	35.2	35.1	35.5	35.6	35.5	35.6	36.0	35.8
Paper and allied products	41.6	41.6	41.4	41.7	41.7	41.6	41.8	42.1	42.2	42.3	42.8	42.8	42.7
Printing and publishing	37.4	37.3	37.4	37.6	37.9	37.7	37.7	37.9	38.0	38.0	38.2	38.6	38.4
Chemicals and allied products	41.3	41.2	42.0	41.3	41.5	41.5	41.5	41.4	41.8	41.8	42.0	41.8	41.8
Petroleum and coal products	43.0	43.3	43.0	43.1	42.6	42.6	42.5	41.9	42.2	42.7	42.5	42.3	42.6
Rubber and plastics products, nec	39.0	39.5	40.0	40.4	40.8	40.4	40.0	40.7	40.7	41.0	40.9	41.1	40.8
Leather and leather products	36.9	37.0	36.5	36.8	37.6	37.6	37.7	37.4	37.4	37.1	37.5	37.7	37.3
TRANSPORTATION AND PUBLIC UTILITIES	40.2	40.5	40.5	40.6	40.7	40.6	40.6	40.2	40.6	40.7	40.7	40.8	40.7
WHOLESALE AND RETAIL TRADE	35.3	35.2	35.2	35.4	35.4	35.4	35.4	35.3	35.3	35.4	35.4	35.5	35.5
WHOLESALE TRADE	40.1	39.9	39.7	39.9	40.0	39.9	40.1	40.1	40.1	40.2	40.3	40.5	40.3
RETAIL TRADE	33.9	33.8	33.8	33.9	33.9	33.8	33.9	33.7	33.8	33.7	33.8	33.8	34.0
FINANCE, INSURANCE, AND REAL ESTATE	36.9	36.7	36.7	36.9	36.8	36.7	36.8	36.9	37.0	37.0	36.9	36.9	37.2
SERVICES	34.3	34.4	34.5	34.7	34.6	34.4	34.5	34.4	34.7	34.4	34.4	34.6	34.7

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

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

1957-59=100

Industry	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
	1970 ^p	1970 ^p	1970	1970	1970	1970	1970	1970	1970	1970	1970	1969	1969
TOTAL	104.9	105.5	107.5	109.8	111.3	111.3	111.7	114.1	115.5	115.6	115.4	117.8	117.1
MINING	81.6	80.0	78.5	78.6	79.1	79.3	79.5	81.1	81.6	82.2	80.9	81.8	82.0
CONTRACT CONSTRUCTION	109.4	109.4	103.5	112.0	112.7	113.4	116.0	119.7	120.6	121.1	113.4	122.5	121.4
MANUFACTURING	105.2	106.1	109.8	111.0	112.7	112.6	112.6	114.7	116.3	116.1	117.5	118.7	118.1
DURABLE GOODS	105.1	106.6	112.9	114.1	116.1	116.2	116.3	118.5	120.8	120.0	121.8	124.1	123.3
Ordnance and accessories	135.1	136.5	143.0	146.7	148.5	156.5	161.9	165.4	174.6	180.1	178.2	186.9	190.5
Lumber and wood products	87.7	86.8	87.5	87.2	87.2	87.5	88.7	89.5	90.1	92.1	92.4	94.2	93.6
Furniture and fixtures	118.2	117.3	116.2	116.7	117.9	116.4	117.0	122.0	123.6	123.3	125.5	127.4	127.7
Stone, clay, and glass products	104.1	104.6	105.6	104.8	105.2	106.2	106.9	108.9	110.5	111.3	110.9	113.5	112.5
Primary metal industries	98.2	101.6	108.5	105.5	106.5	105.8	105.6	106.6	109.6	111.1	113.4	116.5	116.8
Fabricated metal products	113.9	115.7	120.3	121.9	123.8	122.5	121.9	125.0	126.9	126.9	129.0	130.5	129.7
Machinery, except electrical	116.1	117.8	121.2	124.3	127.6	128.1	129.9	133.4	136.2	136.5	137.7	139.8	137.8
Electrical equipment and supplies	127.0	129.6	132.6	135.9	140.1	137.8	138.2	141.3	143.0	140.8	135.7	136.0	136.3
Transportation equipment	80.4	81.9	103.0	105.2	106.9	109.6	106.8	107.4	110.4	104.7	112.0	116.9	116.1
Instruments and related products	116.7	117.2	117.9	120.1	122.8	123.4	125.7	128.3	128.9	127.3	128.9	130.9	130.9
Miscellaneous manufacturing industries	99.2	99.1	100.2	101.8	103.5	103.1	104.0	105.7	108.0	108.1	110.1	112.7	107.1
NONDURABLE GOODS	105.4	105.4	105.6	106.9	108.3	107.9	107.7	109.8	110.4	110.8	111.9	111.8	111.4
Food and kindred products	95.8	94.9	94.5	96.5	95.8	96.9	98.0	97.8	99.0	100.0	99.5	98.0	98.1
Tobacco manufactures	76.3	73.4	69.3	78.7	77.4	76.4	76.9	78.2	76.6	76.2	78.2	70.6	76.0
Textile mill products	96.5	96.8	96.2	98.6	99.9	99.5	100.2	103.1	102.2	102.7	104.8	105.6	104.9
Apparel and other textile products	111.3	109.9	108.5	111.0	113.9	112.1	111.0	113.7	114.2	114.1	116.0	116.9	115.8
Paper and allied products	114.0	113.4	114.7	114.9	115.8	116.6	117.5	119.5	120.2	120.2	121.9	121.7	120.7
Printing and publishing	116.0	116.0	116.9	116.8	118.4	117.6	118.0	119.7	120.5	120.5	121.3	122.6	121.8
Chemicals and allied products	118.8	120.1	122.6	119.8	120.9	120.5	121.1	121.6	123.4	124.0	125.2	124.8	124.6
Petroleum and coal products	82.4	83.0	81.7	83.3	83.0	83.0	82.8	81.7	82.9	83.9	83.5	82.4	83.0
Rubber and plastics products, nec	140.6	146.9	153.4	153.8	159.3	154.2	144.9	161.1	162.1	163.7	165.1	165.2	164.7
Leather and leather products	82.7	83.3	82.4	83.4	87.7	88.0	87.6	87.2	86.9	86.5	88.7	89.5	88.2

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

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

Industry division	Annual rate, millions of man-hours ¹			Percent change ²		
	November 1970 ^p	October 1970 ^p	September 1970	Oct. 1970 to Nov. 1970	Sept. 1970 to Oct. 1970	Nov. 1969 to Nov. 1970
	TOTAL - ALL INDUSTRIES	136,851	137,033	138,092	- 1.6	- 8.8	- 2.2
TOTAL - PRIVATE	110,609	110,894	112,242	- 3.0	-13.5	- 3.5
MINING	1,400	1,377	1,353	22.0	23.5	- 0.6
CONTRACT CONSTRUCTION	6,299	6,280	6,225	3.7	11.1	- 8.5
MANUFACTURING	38,157	38,366	39,584	- 6.3	-31.3	- 9.1
TRANSPORTATION AND PUBLIC UTILITIES	9,392	9,481	9,500	-10.7	- 2.4	- 0.5
WHOLESALE AND RETAIL TRADE	27,385	27,463	27,540	- 3.4	- 3.3	0.1
FINANCE, INSURANCE, AND REAL ESTATE	7,119	7,053	7,069	11.8	- 2.7	1.9
SERVICES	20,857	20,874	20,971	- 1.0	- 5.4	1.5
GOVERNMENT	26,242	26,139	25,850	4.8	14.3	3.4

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

² Percent change compounded at annual rates.

p= preliminary.

**OUTPUT PER MAN-HOUR
SEASONALLY ADJUSTED**

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

(Indexes 1957-59 = 100)

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

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

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

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

⁴ Percent change computed from original data.

⁵ Current quarter divided by comparable quarter a year ago.

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

EMPLOYEE COMPENSATION DATA SEASONALLY ADJUSTED

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

Measure	Percent change over 4-quarter period ¹ ending in--								
	1970			1969			1968		
	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.
Average hourly compensation:									
All persons, total private economy	7.2	7.3	7.4	7.3	7.2	7.2	7.3	8.5	7.6
All employees, private nonfarm economy	7.0	6.8	6.8	6.6	6.8	6.7	6.6	7.9	7.2
Average hourly earnings, private nonfarm economy²									
Mining	6.0	6.0	6.4	7.1	7.0	6.8	6.6	7.0	6.4
Contract construction	6.5	6.6	6.9	7.9	7.7	7.4	7.1	6.4	4.8
Manufacturing	9.5	9.0	10.2	9.7	8.9	8.5	6.6	7.1	6.9
Excluding effects of overtime and interindustry employment shifts	5.5	5.6	5.6	6.0	6.5	5.9	6.0	7.1	6.4
Transportation and public utilities	6.7 ^P	6.4	6.0	5.9	6.1	5.8	5.9	6.5	6.2
Wholesale and retail trade	6.1	5.3	5.8	5.9	6.3	6.2	6.4	6.6	6.5
Finance, insurance, and real estate	6.2	6.1	6.6	6.6	6.3	6.0	6.6	7.4	7.2
Services	5.3	4.6	5.0	5.4	5.4	6.4	8.1	7.2	6.9
Average hourly earnings, all Federal executive branch employees ³	8.3	7.8	8.2	8.0	7.6	8.6	7.7	7.1	6.4
Average union scales, 7 building trades:									
Wages and selected benefits	(*)	14.9	9.8	9.6	10.4	7.5	6.9	6.2	9.1
Hourly wage rates	12.7	12.9	10.1	10.6	9.4	9.8	9.1	8.4	8.3
Wage rates, hired farm labor	11.7	11.8	9.1	9.4	8.5	8.7	7.7	6.9	6.8
Average weekly earnings, private nonfarm economy:²									
Current dollars	6.2	5.1	4.5	6.6	6.6	9.0	10.7	10.9	9.4
1957-59 dollars	4.3	4.4	5.7	6.6	6.4	6.7	6.2	6.3	6.1
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	-1.4	-1.6	-.6	.7	.7	1.2	1.4	1.6	1.7
	-.9	-1.3	-.4	-.6	-.7	-.2	-.2	.4	.7

¹ Current quarter divided by comparable quarter a year earlier.

² Production and nonsupervisory workers.

³ Computed from data that are not seasonally adjusted.

* Not available.

^P preliminary.

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

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

Measure	Percent change over previous quarter at annual rate								
	1970			1969			1968		
	Sept.	June	Mar.	Dec.	Sept.	June	Mar.	Dec.	Sept.
Average hourly compensation:									
All persons, total private economy	7.7	5.3	6.8	8.8	8.2	5.9	6.2	8.5	8.4
All employees, private nonfarm economy	8.0	5.9	6.4	7.5	7.3	5.8	5.7	8.5	6.9
Average hourly earnings, private nonfarm economy¹									
Mining	6.8	6.1	3.9	7.1	6.8	7.9	6.6	6.7	6.3
Contract construction	6.8	4.3	7.4	7.6	7.3	5.4	11.3	6.9	6.2
Manufacturing	11.3	7.9	8.0	10.9	9.0	12.8	6.3	7.7	7.2
Excluding effects of overtime and interindustry employment shifts	7.4	6.2	3.3	5.1	7.8	6.1	4.8	7.2	5.5
Transportation and public utilities	7.7 ^P	7.3	5.7	5.9	6.7	5.6	5.4	6.6	5.4
Wholesale and retail trade	11.0	5.1	4.8	3.7	7.6	7.3	5.0	5.1	7.3
Finance, insurance, and real estate	8.7	3.6	5.2	7.4	8.2	5.5	5.5	6.2	6.9
Services	8.2	.4	5.9	7.0	5.2	1.9	7.8	6.9	9.1
Average hourly earnings, all Federal executive branch employees ²	7.3	6.4	9.7	9.9	5.2	8.1	8.8	8.4	9.2
Average union scales, 7 building trades:									
Wages and selected benefits	(*)	5.3	1.6	3.8	4.7	2.6	1.0	4.5	2.0
Hourly wage rates	8.5	24.9	7.1	11.2	9.3	13.0	9.0	6.4	11.0
Wage rates, hired farm labor	7.8	22.5	7.6	9.6	8.0	11.3	8.7	6.1	8.7
Average weekly earnings, private nonfarm economy:¹									
Current dollars	15.4	7.6	(3)	2.5	10.6	5.3	8.1	2.7	20.9
1957-59 dollars	5.8	3.1	2.9	5.4	6.1	8.3	6.4	4.7	7.4
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	1.7	-2.5	-4.0	-.5	.8	1.5	1.1	-.6	2.8
	1.2	-2.7	-.9	-1.3	-.1	.6	-1.4	-1.7	1.9

¹ Production and nonsupervisory workers.

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

³ Less than 0.05 percent.

* Not available.

^P preliminary.

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

**EMPLOYEE COMPENSATION DATA
SEASONALLY ADJUSTED**

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

Measure	Percent change at annual rate over 12-month period ¹ ending in--												
	1970											1969	
	Nov. P	Oct. P	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Average hourly earnings, private nonfarm economy ²	5.1	5.5	5.8	6.2	5.9	5.6	6.0	6.3	6.7	6.4	6.1	6.8	7.2
Mining	5.4	6.0	6.6	6.6	6.4	7.3	6.1	6.5	6.8	6.8	7.2	6.0	6.9
Contract construction	9.1	8.9	8.8	10.4	9.4	9.0	8.2	9.6	9.2	10.8	10.5	10.4	9.3
Manufacturing	4.0	4.0	5.6	5.3	5.6	5.7	5.7	5.4	5.8	5.5	5.5	5.8	5.8
Excluding effects of overtime and interindustry employment shifts	(*)	(*)	6.9 ^P	6.6	6.5	6.6	6.4	6.2	6.3	5.8	5.8	5.8	5.9
Transportation and public utilities	5.9	6.5	6.0	6.3	6.0	6.1	5.0	4.7	5.9	5.7	5.9	5.7	6.0
Wholesale and retail trade	5.0	5.7	6.2	6.2	6.3	5.9	5.9	6.4	6.8	6.4	6.5	6.5	6.5
Finance, insurance, and real estate	5.0	5.7	5.4	5.4	5.2	3.8	4.8	5.2	5.2	4.9	4.9	4.9	6.0
Services	8.8	8.2	8.6	8.7	7.6	7.6	7.7	8.1	8.5	7.8	8.3	7.5	8.8
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	(*)	9.9	11.3	15.2	14.9	14.5	9.7	9.7	10.0	10.1	9.5
Average weekly earnings, private nonfarm economy: ²													
Current dollars	3.1	3.8	3.3	4.8	4.8	4.2	4.3	4.6	5.9	5.9	5.2	6.2	7.1
1957-59 dollars	(*)	-2.0	-2.3	-.8	-1.0	-1.7	-1.8	-1.3	-.4	-.5	-.8	.1	1.4
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	-1.5	-1.7	-.5	-.7	-1.3	-1.5	-1.0	-.3	-.4	-.7	-1.2	(.4)

1 Current month divided by same month a year earlier.
 2 Production and nonsupervisory workers.
 3 Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is effected by a general salary adjustment.
 4 Less than 0.05 percent.
 * Not available.
 P= preliminary.

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

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

Measure	Percent change at annual rate over 6-month period ¹ ending in--												
	1970											1969	
	Nov. P	Oct. P	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Average hourly earnings, private nonfarm economy ²	5.1	5.7	5.7	7.1	6.5	4.5	5.2	5.2	5.9	5.3	5.3	6.7	6.7
Mining	5.9	6.5	5.3	5.9	5.4	7.2	4.9	5.5	7.8	7.3	7.3	7.4	7.4
Contract construction	11.2	8.7	8.8	11.8	8.1	7.7	7.0	9.1	8.8	8.9	10.7	10.3	9.5
Manufacturing	3.0	3.6	6.8	7.5	6.2	4.9	5.0	4.4	4.4	3.1	5.1	6.4	6.4
Excluding effects of overtime and interindustry employment shifts	(*)	(*)	7.4 ^P	7.9	7.3	6.8	6.7	5.9	6.4	5.3	5.7	6.3	6.1
Transportation and public utilities	7.5	9.2	7.6	9.3	7.1	6.6	4.4	3.8	4.4	3.3	5.0	5.6	5.6
Wholesale and retail trade	5.3	6.9	6.1	6.1	6.2	3.8	4.6	4.7	6.3	6.3	6.3	8.0	7.2
Finance, insurance, and real estate	7.4	7.4	3.3	5.4	4.0	2.7	2.7	4.1	7.6	5.5	6.3	4.9	7.0
Services	11.0	7.3	6.5	7.4	6.7	8.3	6.7	9.2	10.8	10.1	8.5	7.0	8.6
Average hourly earnings, all Federal executive branch employees ³	(*)	(*)	(*)	6.0	3.9	4.6	6.7	5.8	3.7	3.7	7.1	10.1	7.7
Average weekly earnings, private nonfarm economy: ²													
Current dollars	3.5	4.0	2.0	5.8	5.5	2.7	2.8	3.5	4.6	3.8	4.0	5.7	5.8
1957-59 dollars	(*)	-.9	-2.3	.9	.2	-2.9	-3.8	-3.1	-2.3	-2.5	-2.2	-.4	.3
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	-1.4	-2.2	.3	-.3	-1.3	-2.5	-1.6	-1.2	-1.2	-1.0	-1.3	-.4

1 Current month divided by month 6 months earlier.
 2 Production and nonsupervisory workers.
 3 Computed from data that are not seasonally adjusted. Actual percent change rather than annual rate of change is shown where change is effected by a general salary adjustment.
 * Not available.
 P= preliminary.

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

EMPLOYEE COMPENSATION DATA SEASONALLY ADJUSTED

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

Measure	1970										1969		
	4th quarter		3d quarter			2d quarter			1st quarter		4th quarter		
	Nov. ^P	Oct. ^P	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Average hourly compensation:													
All persons, total private economy quarterly indexes (1957-59 = 100)	(*)	-	-	188.5	-	-	185.0	-	-	182.6	-	-	179.6
All employees, private nonfarm economy quarterly indexes (1957-59 = 100)	(*)	-	-	179.7	-	-	176.3	-	-	173.8	-	-	171.1
Average hourly earnings, private nonfarm economy²													
Mining	\$ 3.28	\$ 3.28	\$ 3.27	\$ 3.26	\$ 3.23	\$ 3.21	\$ 3.20	\$ 3.19	\$ 3.18	\$ 3.15	\$ 3.13	\$ 3.14	\$ 3.12
Contract construction	3.91	3.90	3.89	3.87	3.84	3.83	3.80	3.78	3.79	3.76	3.74	3.70	3.71
Manufacturing	5.40	5.36	5.30	5.33	5.24	5.19	5.12	5.14	5.08	5.04	5.04	5.00	4.95
Excluding effects of overtime and interindustry employment shifts monthly indexes (1957-59 = 100)	3.39	3.38	3.42	3.40	3.38	3.36	3.34	3.32	3.31	3.28	3.28	3.28	3.26
Transportation	(*)	(*)	159.8 ^P	158.8	157.9	156.9	156.0	154.8	154.2	152.9	152.4	151.8	151.0
Wholesale and retail trade	\$ 3.93	\$ 3.93	\$ 3.91	\$ 3.91	\$ 3.87	\$ 3.84	\$ 3.79	\$ 3.76	\$ 3.77	\$ 3.74	\$ 3.74	\$ 3.72	\$ 3.71
Finance, insurance, and real estate	2.75	2.76	2.75	2.74	2.72	2.69	2.68	2.67	2.67	2.66	2.64	2.64	2.62
Services	3.14	3.13	3.10	3.10	3.06	3.03	3.03	3.02	3.05	3.02	3.00	2.99	2.99
Average hourly earnings, all Federal executive branch employees, ³ monthly indexes (1965 = 100)	2.96	2.90	2.89	2.86	2.83	2.82	2.81	2.80	2.80	2.76	2.74	2.71	2.72
Average union scales, 7 building trades:													
Wages and selected benefits, quarterly indexes (July 1967 = 100)	(*)	(*)	(*)	140.1	137.7	139.5	140.4	138.0	132.2	132.2	132.5	133.3	131.6
Hourly wage rates, quarterly indexes (July 1967 = 100)	-	133.8	-	-	131.1	-	-	124.0	-	-	121.9	-	-
Hourly wage rates, quarterly indexes (July 1967 = 100)	-	129.7	-	-	127.3	-	-	121.0	-	-	118.8	-	-
Wage rates, hired farm labor	-	\$ 1.71	-	-	\$ 1.65	-	-	\$ 1.62	-	-	\$ 1.62	-	-
Average weekly earnings, private nonfarm economy:²													
Current dollars	120.83	121.00	120.17	121.23	120.37	119.33	118.76	118.65	118.99	117.85	117.17	117.74	117.15
1957-59 dollars	(*)	88.16	88.14	89.23	88.79	88.35	88.14	88.54	89.15	88.85	88.72	89.67	89.86
Real spendable earnings (worker and 3 dependents, 1957-59 dollars)	(*)	77.05	77.21	77.96	77.71	77.33	77.25	77.61	78.09	77.84	77.84	77.83	78.25

¹ Series are in dollars except where index base is shown.

² Production and nonsupervisory workers.

³ Not seasonally adjusted.

* Not available.

^P preliminary.

Technical description covering tables C-11 through C-15

Characteristic	Average hourly compensation	Average hourly and weekly earnings	Union scales, building trades	Wage rates, hired farm labor
Reference period and source	Basic time series consists of quarterly averages. Data are developed by BLS from Department of Commerce estimates of compensation and BLS man-hour estimates.	Basic time series consists of averages for payroll period including 12th of month. Monthly data have been summed and divided by 3 to obtain quarterly averages. Private industry data obtained by BLS from a stratified probability sample of establishments. Federal data obtained from the Civil Service Commission.	Basic time series consists of wage rates and selected benefits as of January 1, April 1, July 1, and October 1. Data obtained by BLS from local union officials and union agreements. Published quarterly in press releases.	Basic time series consists of rates as of week preceding January 1, April 1, July 1, and October 1. Data obtained by Department of Agriculture from a sample survey of farm operators and published quarterly in <i>Farm Labor</i> by USDA.
Type of compensation	Compensation is the total of wages and salaries plus supplements to wages and salaries (according to National Income Accounts definitions) per man-hour paid for.	Except for "manufacturing excluding overtime and interindustry employment shifts," compensation is gross regular payments to workers, i.e., straight-time hourly earnings plus premium and incentive pay, before payroll deductions. Weekly earnings in 1957-59 dollars adjust earnings for price changes while spendable earnings adjust for price and Federal income and social security tax changes.	Compensation is, in the case of wage scales, minimum wage rates (excluding premium pay for holiday, vacation, or overtime) agreed upon in collective bargaining. In the case of wages and selected benefits, it is wages, as defined above, plus employer payments to health and welfare, pension, and vacation funds.	Compensation is cash payments to worker, exclusive of perquisites such as room or board.
Type of worker	1. Total private economy: All persons, i.e., all employees and imputed compensation of self employed. 2. Nonfarm economy: All nonfarm employees including government enterprise and private household workers.	1. Private: Production and related workers in mining and manufacturing, construction workers in contract construction; and nonsupervisory workers in all other industries. 2. Federal Executive Branch: All workers, supervisory and nonsupervisory.	Unionized building trades workers in continental United States cities of 100,000 population or more in the following seven trades: bricklayers, building laborers, carpenters, electricians, painters, plasterers, and plumbers.	Hired farm workers defined as those working only for wages, for 1 hour or more on farm during survey week.

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

**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969
ALABAMA	\$116.29	\$118.08	\$113.30	40.1	40.3	41.2	\$2.90	\$2.93	\$2.75
Birmingham	138.79	144.61	134.72	40.7	41.2	41.2	3.41	3.51	3.27
Mobile	138.43	139.40	130.82	41.2	41.0	41.4	3.36	3.40	3.16
ALASKA	(*)	186.00	196.12	(*)	36.4	39.7	(*)	5.11	4.94
ARIZONA	132.72	133.33	126.32	39.5	39.8	40.1	3.36	3.35	3.15
Phoenix	134.80	135.43	126.32	39.3	39.6	40.1	3.43	3.42	3.15
Tucson	134.64	133.73	131.14	39.6	39.8	40.6	3.40	3.36	3.23
ARKANSAS	101.15	100.90	96.05	40.3	40.2	40.7	2.51	2.51	2.36
Fort Smith	96.56	91.85	89.83	39.9	37.8	39.4	2.42	2.43	2.28
Little Rock-North Little Rock	109.61	109.08	100.60	40.9	40.7	40.4	2.68	2.68	2.49
Pine Bluff	130.88	141.14	122.48	40.9	42.9	41.1	3.20	3.29	2.98
CALIFORNIA	151.30	151.70	148.67	39.4	39.3	40.4	3.84	3.86	3.68
Anaheim-Santa Ana-Garden Grove	150.80	149.29	148.92	40.0	39.6	40.8	3.77	3.77	3.65
Bakersfield	150.15	152.10	150.26	39.0	39.2	40.5	3.85	3.88	3.71
Fresno	131.48	130.32	123.80	38.9	38.9	39.3	3.38	3.35	3.15
Los Angeles-Long Beach	146.89	146.22	145.60	39.7	39.2	40.9	3.70	3.73	3.56
Modesto-Turlock	125.40	124.75	123.33	37.1	36.8	38.3	3.38	3.39	3.22
Ozard-Ventura	137.32	140.42	126.49	38.9	40.7	38.8	3.53	3.45	3.26
Sacramento	160.70	166.87	153.18	39.1	41.0	38.2	4.11	4.07	4.01
Salinas-Monterey	133.23	135.93	133.39	39.3	39.4	39.7	3.39	3.45	3.36
San Bernardino-Riverside-Ontario	151.98	154.35	141.91	40.1	40.3	40.2	3.79	3.83	3.53
San Diego	164.34	164.67	161.18	39.6	39.3	40.6	4.15	4.19	3.97
San Francisco-Oakland	166.41	166.41	162.76	38.7	38.7	39.6	4.30	4.30	4.11
San Jose	159.94	160.39	154.77	39.2	40.3	40.2	4.08	3.98	3.85
Santa Barbara	138.02	137.20	132.50	39.1	37.9	39.2	3.53	3.62	3.38
Santa Rosa	137.28	132.47	129.69	39.0	36.9	39.3	3.52	3.59	3.30
Stockton	157.21	166.10	146.49	39.4	42.7	39.7	3.99	3.89	3.69
Vallejo-Napa	143.63	140.98	137.83	38.2	37.1	38.5	3.76	3.80	3.58
COLORADO	142.76	140.49	139.26	40.1	39.8	40.6	3.56	3.54	3.43
Denver	149.85	148.00	143.97	40.5	40.0	40.9	3.70	3.70	3.52
CONNECTICUT	140.59	139.78	139.44	40.4	40.4	42.0	3.48	3.46	3.32
Bridgeport	143.06	140.54	142.72	40.3	39.7	42.1	3.55	3.54	3.39
Hartford	149.60	148.37	148.94	41.1	41.1	42.8	3.64	3.61	3.48
New Britain	137.91	135.93	141.79	39.9	39.4	42.2	3.46	3.45	3.36
New Haven	142.31	142.26	138.44	40.2	40.3	41.7	3.54	3.53	3.32
Stamford	157.68	152.35	148.67	42.5	41.4	42.6	3.71	3.68	3.49
Waterbury	133.25	131.87	125.56	41.0	40.7	40.9	3.25	3.24	3.07
DELAWARE	135.60	147.60	131.53	40.0	41.0	40.1	3.39	3.60	3.28
Wilmington	151.22	166.44	147.06	39.9	41.3	40.4	3.79	4.03	3.64
DISTRICT OF COLUMBIA : Washington SMSA	(*)	149.38	142.60	(*)	38.7	39.5	(*)	3.86	3.61
FLORIDA	120.18	120.58	115.36	40.6	40.6	41.2	2.96	2.97	2.80
Fort Lauderdale-Hollywood	(*)	124.97	118.26	(*)	39.3	40.5	(*)	3.18	2.92
Jacksonville	(*)	128.64	122.30	(*)	41.1	41.6	(*)	3.13	2.94
Miami	(*)	113.97	109.21	(*)	39.3	40.6	(*)	2.90	2.69
Orlando	(*)	117.16	116.48	(*)	41.4	41.9	(*)	2.83	2.78
Pensacola	(*)	154.76	131.95	(*)	44.6	40.6	(*)	3.47	3.25
Tampa-St. Petersburg	(*)	124.43	114.68	(*)	40.4	41.4	(*)	3.08	2.77
West Palm Beach	(*)	140.57	133.93	(*)	45.2	44.2	(*)	3.11	3.03
GEORGIA	106.00	106.13	107.53	39.7	39.6	41.2	2.67	2.68	2.61
Atlanta	127.54	130.90	135.38	38.3	38.5	40.9	3.33	3.40	3.31
Savannah	141.93	144.24	131.02	41.5	42.3	42.4	3.42	3.41	3.09
HAWAII	136.17	128.64	130.82	39.7	38.4	40.5	3.43	3.35	3.23
Honolulu	138.11	127.53	134.64	39.8	37.4	40.8	3.47	3.41	3.30
IDAHO	126.06	136.12	126.81	38.2	39.8	38.9	3.30	3.42	3.26
ILLINOIS	149.24	148.97	144.41	40.3	40.4	41.0	3.71	3.69	3.52
Chicago	(*)	150.36	146.40	(*)	40.2	41.0	(*)	3.74	3.57
Davenport-Rock Island-Moline	(*)	165.76	153.82	(*)	40.0	39.4	(*)	4.15	3.91

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969	Oct. 1970	Sept. 1970	Oct. 1969
	p			p			p		
ILLINOIS (continued)									
Peoria	(*)	\$168.50	\$168.52	(*)	41.0	42.2	(*)	\$4.11	\$4.00
Rockford	(*)	153.68	146.03	(*)	41.7	41.9	(*)	3.68	3.49
INDIANA	\$148.43	151.13	146.01	39.9	40.3	40.9	\$3.72	3.75	3.57
Indianapolis	(*)	153.78	145.25	(*)	40.9	40.8	(*)	3.76	3.56
IOWA	151.20	149.60	142.26	40.0	40.0	40.3	3.78	3.74	3.53
Cedar Rapids	156.56	153.78	142.27	41.2	40.9	41.0	3.80	3.76	3.47
Des Moines	146.69	154.00	158.80	38.4	40.0	41.9	3.82	3.85	3.79
Dubuque	169.30	165.59	157.38	39.1	38.6	38.2	4.33	4.29	4.12
Sioux City	137.19	131.63	124.53	41.7	40.5	42.5	3.29	3.25	2.93
Waterloo	160.38	164.82	158.80	39.6	40.2	39.9	4.05	4.10	3.98
KANSAS	138.29	142.06	131.17	41.2	41.8	42.2	3.36	3.40	3.11
Topeka	155.07	158.60	164.14	42.6	43.7	46.4	3.64	3.63	3.54
Wichita	155.44	154.42	134.43	43.3	43.7	41.9	3.59	3.53	3.21
KENTUCKY	130.59	129.36	125.02	39.1	38.5	40.2	3.34	3.36	3.11
Louisville	147.43	146.20	138.64	38.9	39.3	39.7	3.79	3.72	3.50
LOUISIANA	142.13	141.88	130.93	42.3	42.1	42.1	3.36	3.37	3.11
Baton Rouge	161.20	156.09	159.98	42.2	43.0	42.1	3.82	3.63	3.80
New Orleans	138.24	133.57	135.38	40.9	39.4	41.4	3.38	3.39	3.27
Shreveport	127.35	130.41	123.77	40.3	41.4	42.1	3.16	3.15	2.94
MAINE	109.85	109.85	105.06	39.8	39.8	40.1	2.76	2.76	2.62
Lewiston-Auburn	88.43	89.05	84.01	35.8	36.2	35.9	2.47	2.46	2.34
Portland	114.85	115.74	111.23	38.8	39.1	40.3	2.96	2.96	2.76
MARYLAND	135.77	141.98	131.45	39.7	40.8	40.2	3.42	3.48	3.27
Baltimore	140.54	150.28	136.00	39.7	41.4	40.0	3.54	3.63	3.40
MASSACHUSETTS	127.05	127.59	122.85	38.5	38.9	39.5	3.30	3.28	3.11
Boston	140.04	141.41	131.32	38.9	39.5	39.2	3.60	3.58	3.35
Brockton	108.04	107.67	104.99	37.0	37.0	37.1	2.92	2.91	2.83
Fall River	95.29	93.91	92.05	34.4	34.4	35.0	2.77	2.73	2.63
Lawrence-Haverhill	116.89	119.03	115.42	38.2	38.9	39.8	3.06	3.06	2.90
Lowell	111.45	112.31	107.03	37.4	38.2	38.5	2.98	2.94	2.78
New Bedford	100.24	102.58	98.10	35.8	37.3	37.3	2.80	2.75	2.63
Springfield-Chicopee-Holyoke	128.76	127.92	127.20	38.9	39.0	40.0	3.31	3.28	3.18
Worcester	127.28	126.41	130.80	37.0	37.4	40.0	3.44	3.38	3.27
MICHIGAN	163.62	166.15	169.24	39.8	39.4	42.3	4.11	4.22	4.00
Ann Arbor	177.06	185.87	161.35	42.5	42.7	40.5	4.17	4.35	3.98
Battle Creek	163.96	163.63	162.14	39.0	39.4	42.4	4.20	4.15	3.82
Bay City	158.41	164.76	146.90	40.9	41.2	41.3	3.87	4.00	3.56
Detroit	178.80	185.22	182.84	40.6	41.4	43.4	4.40	4.47	4.21
Flint	162.22	163.75	186.12	35.7	34.9	41.9	4.54	4.69	4.44
Grand Rapids	142.98	147.78	146.48	39.4	39.2	40.7	3.63	3.77	3.60
Jackson	151.36	157.02	156.56	36.9	37.8	40.0	4.10	4.15	3.91
Kalamazoo	160.10	169.54	159.47	41.2	41.8	43.5	3.89	4.06	3.67
Lansing	154.57	188.02	172.30	39.2	42.3	41.8	3.94	4.45	4.12
Muskegon-Muskegon Heights	154.40	152.92	150.45	40.0	39.7	41.7	3.86	3.85	3.61
Saginaw	158.11	173.28	174.95	39.0	38.2	42.3	4.05	4.54	4.14
MINNESOTA	142.04	140.13	140.65	39.6	39.6	41.4	3.59	3.54	3.40
Duluth-Superior	129.70	132.09	126.34	38.7	39.3	38.6	3.35	3.37	3.27
Minneapolis-St. Paul	150.90	148.54	148.23	39.6	39.5	41.5	3.81	3.77	3.58
MISSISSIPPI	99.23	99.06	96.12	40.5	40.6	40.9	2.45	2.44	2.35
Jackson	101.60	102.24	92.75	41.3	41.9	40.5	2.46	2.44	2.29
MISSOURI	135.04	136.91	130.54	39.6	39.8	39.8	3.41	3.44	3.28
Kansas City	134.13	132.26	129.20	40.4	40.2	40.0	3.32	3.29	3.23
St. Joseph	146.97	148.09	139.53	42.6	43.3	42.8	3.45	3.42	3.26
St. Louis	152.83	154.01	147.46	39.8	39.9	40.4	3.84	3.86	3.65
Springfield	110.01	112.03	106.87	38.6	38.9	39.4	2.85	2.88	2.71
MONTANA	151.29	155.52	139.55	39.5	40.5	40.1	3.83	3.84	3.48
NEBRASKA	(*)	136.82	128.83	(*)	41.8	42.6	(*)	3.27	3.02
Lincoln	(*)	126.70	-	(*)	40.2	-	(*)	3.15	-
Omaha	(*)	139.69	131.73	(*)	41.3	42.1	(*)	3.39	3.13

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
 by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969	Oct. 1970 P	Sept. 1970	Oct. 1969
NEVADA	\$165.19	\$160.19	\$159.20	39.9	38.6	39.7	\$4.14	\$4.15	\$4.01
Las Vegas	(*)	191.78	181.48	(*)	41.6	42.5	(*)	4.61	4.27
NEW HAMPSHIRE ²	109.82	109.44	105.35	38.4	38.4	39.6	2.86	2.85	2.66
Manchester ²	101.19	99.06	96.01	37.9	37.1	38.1	2.67	2.67	2.52
NEW JERSEY	142.10	139.95	135.22	40.6	40.1	41.1	3.50	3.49	3.29
Atlantic City	117.16	118.72	107.68	40.4	42.1	39.3	2.90	2.82	2.74
Camden ³	141.40	142.97	133.98	40.4	40.5	40.6	3.50	3.53	3.30
Jersey City ⁴	145.30	142.00	141.88	40.7	40.0	42.1	3.57	3.55	3.37
Newark ⁴	136.85	134.75	134.94	39.1	38.5	40.4	3.50	3.50	3.34
Paterson-Clifton-Passaic ⁴	137.51	134.21	137.03	39.4	38.9	41.4	3.49	3.45	3.31
Perth Amboy ⁴	148.06	144.36	139.47	40.9	40.1	40.9	3.62	3.60	3.41
Trenton	132.93	133.28	129.04	39.8	38.3	40.2	3.34	3.48	3.21
NEW MEXICO	(*)	109.91	105.20	(*)	37.9	39.4	(*)	2.90	2.67
Albuquerque	(*)	116.75	119.39	(*)	41.4	41.6	(*)	2.82	2.87
NEW YORK	(*)	136.61	130.68	(*)	38.7	39.6	(*)	3.53	3.30
Albany-Schenectady-Troy	153.44	153.38	142.27	40.7	40.9	41.0	3.77	3.75	3.47
Binghamton	135.32	134.24	136.10	39.8	39.6	42.4	3.40	3.39	3.21
Buffalo	154.42	165.61	156.49	39.8	41.3	41.4	3.88	4.01	3.78
Elmira	127.86	126.43	121.83	39.1	38.9	39.3	3.27	3.25	3.10
Monroe County ⁵	164.84	169.33	160.02	40.7	40.9	42.0	4.05	4.14	3.81
Nassau and Suffolk Counties ⁶	139.12	138.29	129.82	39.3	39.4	39.7	3.54	3.51	3.27
New York-Northeastern New Jersey	(*)	132.59	128.84	(*)	38.1	39.4	(*)	3.48	3.27
New York SMSA ⁴	(*)	129.06	123.33	(*)	37.3	38.3	(*)	3.46	3.22
New York City ⁶	(*)	127.31	121.66	(*)	36.9	37.9	(*)	3.45	3.21
Rochester	159.08	163.19	153.67	41.0	40.9	42.1	3.88	3.99	3.65
Rockland County ⁶	138.60	138.45	133.22	35.0	39.9	41.5	3.96	3.47	3.21
Syracuse	141.45	143.47	139.74	40.3	40.3	41.1	3.51	3.56	3.40
Utica-Rome	127.53	124.21	126.86	39.0	38.1	40.4	3.27	3.26	3.14
Westchester County ⁶	126.39	133.60	127.92	38.3	38.5	39.0	3.30	3.47	3.28
NORTH CAROLINA	99.35	96.33	96.63	39.9	39.0	40.6	2.49	2.47	2.38
Asheville	93.17	90.48	93.38	38.5	37.7	40.6	2.42	2.40	2.30
Charlotte	107.59	105.18	101.11	40.6	40.3	41.1	2.65	2.61	2.46
Greensboro-Winston-Salem-High Point	107.86	104.33	102.96	38.8	37.8	39.6	2.78	2.76	2.60
Raleigh	102.29	100.35	97.44	39.8	39.2	40.6	2.57	2.56	2.40
NORTH DAKOTA	125.44	124.64	116.18	42.2	41.0	40.8	2.97	3.04	2.85
Fargo-Moorhead	135.86	137.95	129.53	40.9	39.6	40.7	3.32	3.49	3.18
OHIO	152.76	158.67	154.19	40.2	41.0	41.9	3.80	3.87	3.68
Akron	170.13	174.29	174.56	40.7	41.4	43.1	4.18	4.21	4.05
Canton	149.00	157.10	153.64	38.6	40.7	41.3	3.86	3.86	3.72
Cincinnati	148.73	149.69	143.22	41.2	40.9	42.0	3.61	3.66	3.41
Cleveland	153.22	159.54	161.45	39.9	40.7	42.6	3.84	3.92	3.79
Columbus	144.80	149.92	141.64	40.0	40.3	40.7	3.62	3.72	3.48
Dayton	165.03	175.46	171.74	39.2	40.9	42.3	4.21	4.29	4.06
Toledo	162.39	160.68	168.44	40.7	41.2	43.3	3.99	3.90	3.89
Youngstown-Warren	151.67	169.33	155.99	38.3	41.0	40.1	3.96	4.13	3.89
OKLAHOMA	125.96	128.74	123.60	40.5	41.0	41.2	3.11	3.14	3.00
Oklahoma City	122.89	123.62	120.72	39.9	40.4	41.2	3.08	3.06	2.93
Tulsa	140.08	140.90	137.28	41.2	41.2	41.6	3.40	3.42	3.30
OREGON	147.84	148.61	138.68	38.3	38.4	38.1	3.86	3.87	3.64
Eugene	150.07	159.56	143.63	37.8	40.6	37.5	3.97	3.93	3.83
Portland	146.68	146.29	140.09	38.0	37.8	38.7	3.86	3.87	3.62
PENNSYLVANIA	132.31	133.77	129.92	38.8	39.0	40.1	3.41	3.43	3.24
Allentown-Bethlehem-Easton	129.88	131.97	126.29	38.2	38.7	39.1	3.40	3.41	3.23
Altoona	108.59	107.53	109.14	38.1	37.6	39.4	2.85	2.86	2.77
Delaware Valley ³	141.93	142.30	139.32	39.1	39.2	40.5	3.63	3.63	3.44
Erie	144.07	143.66	141.01	41.4	41.4	42.6	3.48	3.47	3.31
Harrisburg	121.91	122.70	119.39	39.2	39.2	40.2	3.11	3.13	2.97
Johnstown	125.96	138.00	129.58	36.4	37.5	38.0	3.47	3.68	3.41
Lancaster	125.77	121.60	121.84	39.8	39.1	41.3	3.16	3.11	2.95
Philadelphia	142.63	143.02	138.51	39.4	39.4	40.5	3.62	3.63	3.42
Pittsburgh	155.19	157.14	149.11	40.1	40.5	40.3	3.87	3.88	3.70
Reading	119.89	122.46	117.51	38.8	39.0	39.7	3.09	3.14	2.96
Scranton	103.46	101.31	101.23	36.3	35.8	38.2	2.85	2.83	2.65
Wilkes-Barre-Hazleton	97.93	98.49	93.86	35.1	35.3	36.1	2.79	2.79	2.60
York	120.80	121.20	122.40	40.4	40.4	42.5	2.99	3.00	2.88

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

**C-16: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1970 ^p	Sept. 1970	Oct. 1969	Oct. 1970 ^p	Sept. 1970	Oct. 1969	Oct. 1970 ^p	Sept. 1970	Oct. 1969
RHODE ISLAND.....	\$111.93	\$111.93	\$109.33	39.0	39.0	39.9	\$2.87	\$2.87	\$2.74
Providence-Pawtucket-Warwick.....	113.58	112.90	110.95	39.3	39.2	40.2	2.89	2.88	2.76
SOUTH CAROLINA.....	(*)	100.84	100.70	(*)	39.7	41.1	(*)	2.54	2.45
Charleston.....	(*)	134.42	117.96	(*)	43.5	41.1	(*)	3.09	2.87
Greenville.....	(*)	97.61	101.75	(*)	39.2	41.7	(*)	2.49	2.44
SOUTH DAKOTA.....	139.19	140.59	124.70	44.9	46.4	43.6	3.10	3.03	2.86
Sioux Falls.....	173.59	176.10	148.16	48.9	52.1	46.3	3.55	3.38	3.20
TENNESSEE.....	112.00	110.09	106.66	40.0	39.6	40.4	2.80	2.78	2.64
Chattanooga.....	120.99	120.80	116.64	39.8	40.0	40.5	3.04	3.02	2.88
Knoxville.....	124.26	126.96	117.89	39.7	39.8	40.1	3.13	3.19	2.94
Memphis.....	123.83	125.45	121.24	40.6	40.6	41.1	3.05	3.09	2.95
Nashville.....	121.70	120.40	114.21	39.9	40.0	40.5	3.05	3.01	2.82
TEXAS.....	130.82	131.22	127.71	40.5	40.5	41.6	3.23	3.24	3.07
Amarillo.....	118.37	117.38	113.30	40.4	40.2	41.2	2.93	2.92	2.75
Austin.....	119.84	111.52	101.50	42.8	40.7	40.6	2.80	2.74	2.50
Beaumont-Port Arthur-Orange.....	173.05	171.80	167.16	41.3	41.2	42.0	4.19	4.17	3.98
Corpus Christi.....	150.35	158.59	146.37	40.2	41.3	41.7	3.74	3.84	3.51
Dallas.....	121.48	121.27	121.54	39.7	39.5	41.2	3.06	3.07	2.95
El Paso.....	89.89	89.21	82.04	39.6	39.3	38.7	2.27	2.27	2.12
Fort Worth.....	139.78	141.59	138.93	41.6	41.4	42.1	3.36	3.42	3.30
Galveston-Texas City.....	195.46	192.70	189.22	42.4	41.8	43.6	4.61	4.61	4.34
Houston.....	154.34	157.96	152.33	41.6	41.9	43.4	3.71	3.77	3.51
Lubbock.....	111.99	112.52	109.87	42.1	42.3	43.6	2.66	2.66	2.52
San Antonio.....	104.83	106.59	102.30	41.6	41.8	42.1	2.52	2.55	2.43
Waco.....	112.46	108.08	107.80	40.6	39.3	39.2	2.77	2.75	2.75
Wichita Falls.....	99.94	99.22	97.77	39.5	41.0	40.4	2.53	2.42	2.42
UTAH.....	133.06	135.96	124.79	37.8	38.3	37.7	3.52	3.55	3.31
Salt Lake City.....	125.71	132.89	121.09	38.8	39.2	38.2	3.24	3.39	3.17
VERMONT.....	122.29	121.77	117.18	40.9	41.0	41.7	2.99	2.97	2.81
Burlington.....	140.03	147.94	130.96	41.8	43.9	43.8	3.35	3.37	2.99
Springfield.....	135.53	131.05	132.02	41.7	40.2	41.0	3.25	3.26	3.22
VIRGINIA.....	111.50	110.80	107.42	40.4	40.0	41.0	2.76	2.77	2.62
Lynchburg.....	105.34	102.96	107.95	39.9	39.6	42.5	2.64	2.60	2.54
Norfolk-Portsmouth.....	122.78	123.02	122.24	41.2	41.7	43.5	2.98	2.95	2.81
Richmond.....	117.87	123.29	113.97	38.9	39.9	39.3	3.03	3.09	2.90
Roanoke.....	105.86	103.31	104.41	40.1	40.2	42.1	2.64	2.57	2.48
WASHINGTON.....	159.53	158.71	155.23	39.1	38.9	39.6	4.08	4.08	3.92
Seattle-Everett.....	168.30	165.87	165.24	39.6	39.4	40.7	4.25	4.21	4.06
Spokane.....	152.49	154.84	148.57	38.9	39.2	39.2	3.92	3.95	3.79
Tacoma.....	159.88	156.72	150.54	38.9	38.6	39.0	4.11	4.06	3.86
WEST VIRGINIA.....	138.11	139.35	130.49	39.8	39.7	40.4	3.47	3.51	3.23
Charleston.....	170.89	173.04	164.16	42.3	42.0	43.2	4.04	4.12	3.80
Huntington-Ashland.....	139.73	147.03	137.55	38.6	39.0	39.3	3.62	3.77	3.50
Wheeling.....	143.02	143.56	133.72	40.4	40.9	40.4	3.54	3.51	3.31
WISCONSIN.....	146.48	145.81	143.79	40.1	40.2	41.3	3.66	3.63	3.49
Green Bay.....	151.67	153.06	143.78	42.6	43.4	42.4	3.56	3.53	3.39
Kenosha.....	150.41	158.88	165.95	37.4	39.2	42.5	4.02	4.05	3.90
La Crosse.....	121.14	126.24	117.19	40.1	42.7	39.6	3.02	2.96	2.96
Madison.....	172.24	171.45	151.57	40.6	41.5	39.9	4.24	4.13	3.80
Milwaukee.....	157.14	157.85	153.94	39.7	39.8	40.9	3.96	3.97	3.76
Racine.....	151.65	148.93	157.69	39.7	39.4	42.6	3.82	3.78	3.70
WYOMING.....	135.70	134.43	119.32	37.8	38.3	38.0	3.59	3.51	3.14
Casper.....	157.14	164.61	151.44	40.5	39.1	40.6	3.88	4.21	3.73
Cheyenne.....	110.96	110.89	109.68	31.7	33.5	34.6	3.50	3.31	3.17

¹ Data are not comparable prior to June 1970.

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

³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

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

⁵ Subarea of Rochester Standard Metropolitan Statistical Area.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

* Not available.

p = preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA

LABOR TURNOVER

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

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1959.....	3.8	3.7	4.1	4.1	4.2	5.4	4.4	5.2	5.1	3.9	3.4	3.6	4.2
1960.....	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961.....	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962.....	4.1	3.6	3.8	4.0	4.3	5.0	4.6	5.1	4.9	3.9	3.0	2.4	4.1
1963.....	3.6	3.3	3.5	3.9	3.9	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964.....	3.6	3.4	3.7	3.8	3.9	5.1	4.4	5.1	4.8	4.0	3.2	2.6	4.0
1965.....	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1	4.3
1966.....	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9	5.0
1967.....	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8	4.4
1968.....	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1	4.6
1969.....	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	5.0	3.6	2.9	4.7
1970.....	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8 p			
New hires													
1959.....	2.0	2.1	2.4	2.5	2.7	3.7	3.0	3.5	3.5	2.6	1.9	1.5	2.6
1960.....	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961.....	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962.....	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963.....	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.2	2.6	1.8	1.4	2.4
1964.....	2.0	2.0	2.2	2.4	2.5	3.6	2.9	3.4	3.5	2.8	2.2	1.6	2.6
1965.....	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2	3.1
1966.....	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1	3.8
1967.....	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0	3.3
1968.....	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2	3.5
1969.....	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1	3.7
1970.....	2.9	2.5	2.6	2.6	2.8	3.9	2.9	3.5	3.4	2.7 p			
Total separations													
1959.....	2.7	3.1	3.3	3.6	3.5	3.6	4.0	4.6	5.3	5.5	4.7	3.9	4.1
1960.....	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961.....	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962.....	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963.....	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.8	4.9	4.1	3.9	3.7	3.9
1964.....	4.0	3.3	3.5	3.5	3.6	3.5	4.4	4.3	5.1	4.2	3.6	3.7	3.9
1965.....	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1	4.1
1966.....	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2	4.6
1967.....	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9	4.6
1968.....	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8	4.6
1969.....	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.3	4.3	4.2	4.9
1970.....	4.8	4.3	4.5	4.8	4.6	4.4	5.3	5.6	6.0	5.3 p			
Quits													
1959.....	1.1	1.0	1.2	1.4	1.5	1.5	1.6	2.1	2.6	1.7	1.2	1.0	1.5
1960.....	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961.....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962.....	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963.....	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964.....	1.2	1.1	1.2	1.3	1.5	1.4	1.5	2.1	2.7	1.7	1.2	1.0	1.5
1965.....	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4	1.9
1966.....	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7	2.6
1967.....	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5	2.3
1968.....	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6	2.5
1969.....	2.3	2.1	2.4	2.6	2.7	2.6	2.6	4.0	4.4	2.9	2.1	1.6	2.7
1970.....	2.1	1.9	1.9	2.1	2.1	2.1	2.1	3.0	3.3	2.1 p			
Layoffs													
1959.....	2.1	1.5	1.6	1.6	1.4	1.4	1.8	1.8	2.0	3.2	2.9	2.4	2.0
1960.....	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961.....	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962.....	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963.....	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964.....	2.0	1.6	1.6	1.4	1.4	1.3	2.1	1.4	1.5	1.8	1.7	2.1	1.7
1965.....	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9	1.4
1966.....	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7	1.2
1967.....	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6	1.4
1968.....	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4	1.2
1969.....	1.2	1.0	1.0	.9	.9	1.0	1.6	1.1	1.1	1.3	1.3	1.8	1.2
1970.....	1.7	1.6	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2 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	
		Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970
-	MANUFACTURING	3.8	4.7	2.7	3.4	5.3	6.0	2.1	3.3	2.2	1.7
19,24,25,32-39	DURABLE GOODS	3.1	4.1	2.2	2.8	5.2	5.4	1.8	2.7	2.5	1.6
20-23,26-31	NONDURABLE GOODS	4.7	5.5	3.4	4.2	5.3	6.8	2.5	4.0	2.0	1.8
	<i>Durable Goods</i>										
19	ORDNANCE AND ACCESSORIES	-	1.7	-	1.0	-	3.9	-	1.5	-	1.8
192	Ammunition, except for small arms	-	1.5	-	.7	-	3.9	-	1.2	-	2.1
24	LUMBER AND WOOD PRODUCTS	4.7	5.7	3.9	4.9	5.6	7.1	3.2	5.1	1.3	1.0
242	Sawmills and planing mills	-	5.4	-	4.8	-	6.6	-	5.2	-	.5
2421	Sawmills and planing mills, general	-	5.1	-	4.6	-	6.4	-	5.2	-	.5
243	Millwork, plywood & related products	-	5.4	-	4.7	-	7.0	-	4.8	-	1.0
2431	Millwork	-	5.1	-	4.7	-	6.6	-	4.6	-	.7
2432	Veneer and plywood	-	5.0	-	4.1	-	5.7	-	3.8	-	1.0
244	Wooden containers	-	7.2	-	5.5	-	10.9	-	6.1	-	3.8
2441,2	Wooden boxes, shooks, and crates	-	6.2	-	5.1	-	10.9	-	5.4	-	4.6
249	Miscellaneous wood products	-	6.6	-	5.8	-	7.8	-	5.3	-	1.1
25	FURNITURE AND FIXTURES	5.4	6.6	4.5	5.8	5.8	7.0	3.2	4.6	1.5	1.2
251	Household furniture	-	7.3	-	6.4	-	6.9	-	4.9	-	.8
2511	Wood household furniture	-	7.4	-	6.3	-	7.0	-	4.9	-	.9
2512	Upholstered household furniture	-	6.0	-	5.4	-	5.6	-	4.3	-	.5
2515	Mattresses and bedsprings	-	7.8	-	7.3	-	8.0	-	5.6	-	.4
252	Office furniture	-	3.0	-	2.4	-	6.1	-	2.9	-	2.3
32	STONE, CLAY, AND GLASS PRODUCTS	3.5	4.6	2.8	3.6	4.7	6.0	2.2	3.6	1.7	1.5
321	Flat glass	-	4.1	-	1.1	-	4.2	-	.8	-	2.7
322	Glass and glassware, pressed or blown	-	4.6	-	3.6	-	5.9	-	3.9	-	.8
3221	Glass containers	-	5.5	-	4.7	-	6.7	-	5.2	-	.4
3229	Pressed and blown glass, n e c	-	3.4	-	2.1	-	4.8	-	2.0	-	1.4
324	Cement, hydraulic	-	1.6	-	1.0	-	4.4	-	2.3	-	.9
325	Structural clay products	-	5.8	-	4.9	-	7.2	-	5.2	-	1.1
3251	Brick and structural clay tile	-	6.8	-	5.7	-	8.2	-	6.3	-	.9
326	Pottery and related products	-	5.0	-	4.0	-	6.2	-	3.6	-	1.5
3291	Abrasive products	-	1.4	-	.8	-	3.9	-	1.4	-	1.4
33	PRIMARY METAL INDUSTRIES	2.3	2.9	1.5	2.0	6.1	5.0	1.4	2.5	3.5	1.5
331	Blast furnace and basic steel products	-	2.5	-	1.5	-	4.9	-	2.6	-	1.2
3312	Blast furnaces and steel mills	-	2.5	-	1.5	-	4.8	-	2.6	-	1.2
332	Iron and steel foundries	-	4.6	-	3.3	-	5.9	-	3.1	-	1.5
3321	Gray iron foundries	-	4.2	-	3.2	-	5.8	-	3.1	-	1.4
3322	Malleable iron foundries	-	9.6	-	6.0	-	8.7	-	4.5	-	1.8
3323	Steel foundries	-	3.5	-	2.6	-	5.2	-	2.5	-	1.5
333,4	Nonferrous metals	-	2.7	-	2.4	-	4.8	-	3.2	-	.6
335	Nonferrous rolling and drawing	-	2.3	-	1.5	-	4.0	-	1.7	-	1.6
3351	Copper rolling and drawing	-	1.5	-	1.0	-	4.5	-	1.4	-	2.4
3352	Aluminum rolling and drawing	-	2.5	-	1.4	-	3.3	-	1.2	-	1.6
3357	Nonferrous wire drawing, and insulating	-	2.5	-	1.9	-	4.5	-	2.3	-	1.3
336	Nonferrous foundries	-	3.8	-	2.7	-	7.0	-	2.7	-	3.4
3361	Aluminum castings	-	3.7	-	2.7	-	7.9	-	3.0	-	3.8
3362,9	Other nonferrous castings	-	3.9	-	2.7	-	6.0	-	2.4	-	2.9
339	Miscellaneous primary metal products	-	1.9	-	1.4	-	4.8	-	1.8	-	2.2
3391	Iron and steel forgings	-	1.8	-	1.4	-	4.7	-	1.9	-	2.2

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970
<i>Durable Goods--Continued</i>											
34	FABRICATED METAL PRODUCTS	-	4.8	-	4.0	-	6.1	-	3.2	-	1.6
341	Metal cans	-	5.2	-	3.2	-	7.9	-	3.8	-	2.1
342	Cutlery, hand tools, and hardware	-	4.0	-	3.2	-	4.2	-	2.6	-	.6
3421,3,5	Cutlery and hand tools, incl. saws	-	3.4	-	2.8	-	3.9	-	2.6	-	.5
3429	Hardware, n e c	-	4.3	-	3.5	-	4.4	-	2.6	-	.6
343	Plumbing and heating, except electric	-	4.5	-	3.7	-	6.1	-	3.1	-	1.9
3431,2	Sanitary ware & plumbers' brass goods	-	4.8	-	3.5	-	5.4	-	3.3	-	1.0
3433	Heating equipment, except electric	-	4.4	-	3.8	-	6.6	-	3.0	-	2.5
344	Fabricated structural metal products	-	5.1	-	4.7	-	6.2	-	3.5	-	1.5
3441	Fabricated structural steel	-	5.7	-	5.2	-	5.7	-	3.2	-	1.1
3443	Fabricated plate work (boiler shops)	-	3.5	-	3.2	-	4.9	-	2.5	-	1.3
3446,9	Architectural and misc. metal work	-	5.0	-	4.2	-	6.6	-	3.2	-	2.1
345	Screw machine products, bolts, etc.	-	3.4	-	2.7	-	5.8	-	2.8	-	2.0
3452	Bolts, nuts, rivets, and washers	-	2.6	-	2.0	-	5.4	-	2.0	-	2.5
346	Metal stampings	-	5.0	-	3.8	-	5.8	-	2.6	-	1.9
348	Misc. fabricated wire products	-	5.7	-	5.0	-	7.1	-	4.0	-	1.6
349	Misc. fabricated metal products	-	3.9	-	3.3	-	5.5	-	3.2	-	1.4
3494,8	Valves, pipe, and pipe fittings	-	3.4	-	3.0	-	4.8	-	2.7	-	1.2
35	MACHINERY, EXCEPT ELECTRICAL	2.1	2.5	1.3	1.6	4.2	4.4	1.0	1.8	2.4	1.7
351	Engines and turbines	-	2.7	-	1.4	-	3.0	-	1.4	-	.5
3511	Steam engines and turbines	-	2.4	-	1.6	-	2.9	-	1.7	-	(1)
3519	Internal combustion engines, n e c	-	2.8	-	1.4	-	3.0	-	1.2	-	.7
352	Farm machinery	-	4.5	-	1.8	-	5.1	-	1.6	-	2.1
353	Construction and related machinery	-	2.4	-	1.9	-	3.7	-	1.8	-	1.0
3531,2	Construction and mining machinery	-	2.0	-	1.4	-	3.3	-	1.5	-	.8
3533	Oil field machinery	-	2.9	-	2.5	-	3.6	-	2.2	-	.5
3535,6	Conveyors, hoists, cranes, monorails	-	2.1	-	1.9	-	3.8	-	2.0	-	1.1
354	Metal working machinery	-	2.5	-	1.0	-	5.2	-	1.3	-	3.0
3541	Machine tools, metal cutting types	-	2.8	-	.6	-	5.2	-	1.2	-	3.3
3545	Machine tool accessories	-	1.1	-	.6	-	6.1	-	1.2	-	4.4
3542,8	Misc. metal working machinery	-	1.7	-	1.0	-	4.0	-	1.4	-	1.9
355	Special industry machinery	-	1.8	-	1.4	-	3.8	-	1.5	-	1.5
3551	Food products machinery	-	1.7	-	1.5	-	3.8	-	1.6	-	1.5
3552	Textile machinery	-	2.5	-	1.9	-	3.3	-	1.8	-	.6
356	General industrial machinery	-	2.1	-	1.6	-	4.1	-	2.0	-	1.4
3561	Pumps and compressors	-	2.1	-	1.6	-	4.1	-	2.0	-	1.4
3562	Ball and roller bearings	-	1.7	-	1.0	-	4.4	-	1.5	-	2.1
3566	Power transmission equipment	-	2.0	-	1.5	-	4.0	-	2.1	-	1.1
357	Office and computing machines	-	1.6	-	1.0	-	3.8	-	1.7	-	1.0
3573	Electronic computing equipment	-	1.4	-	.9	-	3.2	-	1.6	-	.8
358	Service industry machines	-	3.2	-	2.6	-	6.1	-	2.7	-	2.5
3585	Refrigeration machinery	-	3.3	-	2.6	-	6.8	-	2.7	-	3.1
36	ELECTRICAL EQUIPMENT AND SUPPLIES	-	3.5	-	2.3	-	5.2	-	2.5	-	1.7
361	Electric test & distributing equipment	-	2.8	-	2.2	-	3.9	-	2.1	-	1.0
3611	Electric measuring instruments	-	2.5	-	2.0	-	4.2	-	1.9	-	1.4
3612	Transformers	-	3.3	-	2.3	-	5.0	-	2.6	-	1.4
3613	Switchgear and switchboard apparatus	-	2.7	-	2.2	-	2.9	-	1.9	-	.3
362	Electrical industrial apparatus	-	2.6	-	1.8	-	5.9	-	2.8	-	2.3
3621	Motors and generators	-	3.1	-	2.1	-	6.1	-	2.4	-	2.6
3622	Industrial controls	-	1.6	-	1.1	-	5.5	-	3.4	-	1.4
363	Household appliances	-	6.2	-	3.6	-	5.4	-	3.4	-	.7
3632	Household refrigerators and freezers	-	7.9	-	2.1	-	5.4	-	3.5	-	.5
3633	Household laundry equipment	-	3.6	-	2.5	-	5.1	-	3.5	-	.8
3634	Electric housewares and fans	-	6.8	-	5.9	-	5.6	-	3.6	-	.8
364	Electric lighting and wiring equipment	-	4.4	-	3.5	-	5.4	-	3.1	-	1.2
3641	Electric lamps	-	2.8	-	2.2	-	2.6	-	1.4	-	.4
3642	Lighting fixtures	-	5.8	-	4.9	-	6.3	-	3.7	-	1.2
3643,4	Wiring devices	-	4.2	-	3.2	-	6.2	-	3.5	-	1.6
365	Radio and TV receiving equipment	-	7.1	-	4.5	-	5.3	-	2.9	-	.9
366	Communication equipment	-	2.1	-	1.4	-	4.6	-	2.0	-	1.8
3661	Telephone and telegraph apparatus	-	1.9	-	1.6	-	4.2	-	2.6	-	.6
3662	Radio and TV communication equipment	-	2.2	-	1.2	-	4.9	-	1.7	-	2.5
367	Electronic components and accessories	-	3.2	-	1.7	-	6.5	-	2.5	-	2.8
3671-3	Electron tubes	-	3.5	-	1.5	-	5.0	-	2.1	-	1.5
3674,9	Other electronic components	-	3.1	-	1.7	-	6.8	-	2.5	-	3.1
369	Misc. electrical equipment & supplies	-	3.5	-	2.8	-	4.2	-	2.1	-	1.1
3694	Engine electrical equipment	-	2.4	-	1.6	-	3.6	-	1.5	-	1.0

See footnotes at end of table.

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

		(Per 100 employees)									
SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970
<i>Durable Goods--Continued</i>											
37	TRANSPORTATION EQUIPMENT	-	5.4	-	2.2	-	5.1	-	1.9	-	2.0
371	Motor vehicles and equipment	-	7.8	-	2.2	-	5.2	-	1.9	-	2.0
3711	Motor vehicles	-	10.8	-	2.5	-	3.7	-	2.0	-	.4
3712	Passenger car bodies	-	16.6	-	1.0	-	2.0	-	.9	-	.3
3713	Truck and bus bodies	-	3.6	-	2.7	-	6.9	-	3.4	-	1.5
3714	Motor vehicle parts and accessories	-	4.3	-	2.1	-	6.8	-	1.8	-	3.7
372	Aircraft and parts	-	1.3	-	.8	-	3.1	-	.9	-	1.7
3721	Aircraft	-	1.1	-	.6	-	2.9	-	.8	-	1.8
3722	Aircraft engines and engine parts	-	1.2	-	.6	-	2.7	-	.9	-	1.2
3723,9	Other aircraft parts and equipment	-	2.2	-	1.5	-	4.3	-	1.4	-	2.2
373	Ship and boat building and repairing	-	7.2	-	3.5	-	8.5	-	3.3	-	3.8
3731	Ship building and repairing	-	7.2	-	3.1	-	8.9	-	3.0	-	4.3
374	Railroad equipment	-	3.6	-	2.0	-	7.3	-	2.1	-	3.9
375,9	Other transportation equipment	-	10.2	-	8.9	-	9.6	-	6.3	-	1.1
38	INSTRUMENTS AND RELATED PRODUCTS	2.2	2.7	1.6	2.0	4.1	4.2	2.0	2.3	1.5	1.1
381	Engineering & scientific instruments	-	2.2	-	1.4	-	3.8	-	1.4	-	1.4
382	Mechanical measuring & control devices	-	2.7	-	1.8	-	4.2	-	2.2	-	1.2
3821	Mechanical measuring devices	-	2.2	-	1.7	-	3.7	-	2.1	-	.9
3822	Automatic temperature controls	-	3.6	-	1.9	-	5.1	-	2.4	-	1.6
383,5	Optical and ophthalmic goods	-	3.9	-	2.8	-	4.5	-	2.8	-	.8
384	Medical instruments and supplies	-	4.0	-	3.4	-	4.8	-	3.2	-	.8
386	Photographic equipment and supplies	-	1.4	-	1.2	-	3.3	-	2.0	-	.7
387	Watches, clocks, and watchcases	-	3.1	-	1.9	-	6.0	-	2.2	-	2.8
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.3	6.6	4.3	5.4	5.9	7.0	2.9	4.2	2.0	1.6
391	Jewelry, silverware, and plated ware	-	5.4	-	4.5	-	4.4	-	3.2	-	.6
394	Toys and sporting goods	-	10.3	-	8.2	-	10.0	-	6.2	-	2.1
3941-3	Games, toys, dolls, & play vehicles	-	12.5	-	10.7	-	12.5	-	7.8	-	2.6
3949	Sporting and athletic goods, n e c	-	6.9	-	4.3	-	6.2	-	3.6	-	1.5
395	Pens, pencils, office and art supplies	-	3.7	-	3.1	-	4.9	-	3.4	-	.7
396	Costume jewelry and notions	-	6.7	-	5.7	-	7.5	-	4.7	-	1.9
393,9	Other manufacturing industries	-	4.8	-	4.0	-	5.8	-	3.1	-	1.7
<i>Nondurable Goods</i>											
20	FOOD AND KINDRED PRODUCTS	7.1	8.9	5.0	6.6	7.5	10.6	3.2	5.9	3.5	3.6
201	Meat products	-	8.9	-	6.6	-	8.7	-	5.6	-	2.2
2011	Meat packing plants	-	7.2	-	3.8	-	7.4	-	3.0	-	3.6
2015	Poultry dressing plants	-	14.2	-	12.8	-	13.4	-	11.8	-	.4
204	Grain mill products	-	4.5	-	3.8	-	5.1	-	3.4	-	.9
2041	Flour and other grain mill products	-	4.3	-	3.7	-	4.7	-	3.4	-	.6
2042	Prepared feeds for animals and fowls	-	4.5	-	4.1	-	5.1	-	3.3	-	.9
205	Bakery products	-	5.3	-	4.7	-	6.3	-	4.3	-	1.1
2051	Bread, cake, and related products	-	5.3	-	4.7	-	6.1	-	4.3	-	1.0
2052	Cookies and crackers	-	5.6	-	4.5	-	6.9	-	4.4	-	1.3
207	Confectionery and related products	-	10.7	-	7.5	-	8.8	-	5.7	-	2.1
2071	Confectionery products	-	12.4	-	8.5	-	9.9	-	6.3	-	2.4
208	Beverages	-	5.8	-	4.3	-	7.3	-	4.4	-	1.9
2082	Malt liquors	-	3.4	-	1.1	-	5.0	-	1.1	-	3.4
21	TOBACCO MANUFACTURES	5.6	5.6	5.1	3.9	3.9	5.4	2.1	3.0	.7	1.4
211	Cigarettes	-	3.2	-	2.3	-	2.5	-	1.6	-	(1)
212	Cigars	-	6.1	-	5.1	-	7.2	-	5.5	-	1.0

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970	Oct. 1970 ^P	Sept. 1970
<i>Nondurable Goods--Continued</i>											
22	TEXTILE MILL PRODUCTS	5.3	6.0	4.2	4.7	6.1	6.8	3.6	4.8	1.3	0.9
221	Weaving mills, cotton	-	6.2	-	4.9	-	6.7	-	5.2	-	.2
222	Weaving mills, synthetics	-	5.5	-	4.1	-	6.3	-	4.4	-	.7
223	Weaving and finishing mills, wool	-	4.3	-	2.7	-	8.7	-	3.8	-	3.8
224	Narrow fabric mills	-	4.2	-	3.2	-	5.6	-	3.4	-	1.5
225	Knitting mills	-	5.0	-	3.9	-	6.3	-	4.4	-	1.1
2251	Women's hosiery, except socks	-	3.4	-	2.8	-	5.9	-	4.2	-	1.1
2252	Hosiery, n e c	-	4.3	-	3.7	-	5.5	-	4.8	-	.3
2254	Knit underwear mills	-	4.6	-	3.3	-	5.0	-	4.3	-	.2
226	Textile finishing, except wool	-	5.5	-	4.4	-	6.0	-	4.1	-	.8
227	Floor covering mills	-	6.2	-	5.5	-	5.7	-	4.0	-	.4
228	Yarn and thread mills	-	8.7	-	6.8	-	9.4	-	6.9	-	1.1
229	Miscellaneous textile goods	-	6.1	-	4.5	-	6.7	-	3.7	-	1.6
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.1	5.9	3.6	4.1	6.0	7.0	2.8	3.9	2.4	2.3
231	Men's and boys' suits and coats	-	4.0	-	1.4	-	6.9	-	1.7	-	4.7
232	Men's and boys' furnishings	-	6.2	-	4.9	-	7.4	-	5.3	-	1.1
2321	Men's and boys' shirts and nightwear	-	5.6	-	4.4	-	6.8	-	5.2	-	.9
2327	Men's and boys' separate trousers	-	6.1	-	5.0	-	7.2	-	5.6	-	.8
2328	Men's and boys' work clothing	-	6.2	-	5.1	-	7.0	-	5.5	-	.6
234	Women's and children's undergarments	-	6.3	-	5.0	-	5.8	-	4.1	-	.9
2341	Women's and children's underwear	-	6.8	-	5.5	-	5.8	-	4.5	-	.6
2342	Corsets and allied garments	-	5.0	-	3.6	-	5.8	-	3.1	-	1.9
26	PAPER AND ALLIED PRODUCTS	2.9	3.4	2.3	2.9	3.5	5.1	1.8	3.3	1.0	.9
261,2,6	Paper and pulp mills	-	1.7	-	1.4	-	4.1	-	2.8	-	.7
263	Paperboard mills	-	2.1	-	1.8	-	4.2	-	2.6	-	.9
264	Misc. converted paper products	-	4.0	-	3.3	-	5.4	-	3.2	-	1.2
2643	Bags, except textile bags	-	5.0	-	4.3	-	6.2	-	4.1	-	.9
265	Paperboard containers and boxes	-	4.8	-	4.4	-	6.0	-	4.1	-	.7
2651,2	Folding and setup paperboard boxes	-	5.6	-	5.1	-	6.4	-	4.2	-	.9
2653	Corrugated and solid fiber boxes	-	4.6	-	4.3	-	5.5	-	4.1	-	.4
27	PRINTING AND PUBLISHING	3.4	3.8	2.8	3.2	3.6	4.3	1.9	2.9	.9	.7
28	CHEMICALS AND ALLIED PRODUCTS	2.0	2.2	1.5	1.8	2.7	3.6	1.1	2.1	.9	.7
281	Industrial chemicals	-	1.4	-	1.2	-	2.6	-	1.6	-	.3
282	Plastics materials and synthetics	-	1.5	-	1.0	-	2.7	-	1.5	-	.6
2821	Plastics materials and resins	-	1.5	-	1.3	-	3.0	-	1.9	-	.4
2823,4	Synthetic fibers	-	1.4	-	.7	-	2.6	-	1.1	-	.8
283	Drugs	-	2.0	-	1.7	-	3.6	-	2.2	-	.6
2834	Pharmaceutical preparations	-	2.1	-	1.8	-	3.7	-	2.4	-	.6
284	Soap, cleaners, and toilet goods	-	4.2	-	3.4	-	5.2	-	3.2	-	1.1
2841	Soap and other detergents	-	2.5	-	1.9	-	4.1	-	2.4	-	.9
2844	Toilet preparations	-	6.2	-	5.1	-	6.2	-	3.7	-	1.3
285	Paints and allied products	-	2.8	-	2.5	-	4.8	-	3.2	-	.8
286,9	Other chemical products	-	2.8	-	2.1	-	4.3	-	2.4	-	1.0
29	PETROLEUM AND COAL PRODUCTS	1.7	2.2	1.5	2.0	2.6	3.8	1.0	2.2	.9	.7
291	Petroleum refining	-	1.4	-	1.1	-	2.8	-	1.6	-	.4
295,9	Other petroleum and coal products	-	5.6	-	5.2	-	7.8	-	4.8	-	1.5
30	RUBBER AND PLASTICS PRODUCTS, N E C	4.5	5.4	3.3	4.3	6.9	7.4	2.7	4.0	3.0	2.1
301	Tires and inner tubes	-	1.8	-	1.0	-	5.0	-	1.7	-	2.2
302,3,6	Other rubber products	-	4.8	-	3.6	-	6.2	-	3.5	-	1.3
307	Miscellaneous plastics products	-	7.1	-	6.0	-	9.0	-	5.1	-	2.4

See footnotes at end of table.

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

(Per 100 employees)

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Oct. 1970 ^p	Sept. 1970	Oct. 1970 ^p	Sept. 1970	Oct. 1970 ^p	Sept. 1970	Oct. 1970 ^p	Sept. 1970	Oct. 1970 ^p	Sept. 1970
	<i>Nondurable Goods--Continued</i>										
31	LEATHER AND LEATHER PRODUCTS	5.2	6.4	3.4	4.7	6.2	8.3	2.9	5.0	2.3	2.2
311	Leather tanning and finishing	-	5.5	-	3.7	-	6.3	-	3.8	-	1.8
314	Footwear, except rubber	-	5.8	-	4.1	-	8.4	-	4.8	-	2.4
	NONMANUFACTURING										
10	METAL MINING	2.7	3.8	2.3	3.3	3.3	6.4	1.6	4.9	1.1	.7
101	Iron ores	-	2.3	-	1.5	-	5.9	-	4.4	-	.6
102	Copper ores	-	3.8	-	3.2	-	5.7	-	4.5	-	.5
11,12	COAL MINING	2.4	2.5	2.1	2.1	1.8	1.9	1.2	1.4	.1	.1
12	Bituminous coal and lignite mining	2.5	2.5	2.2	2.1	1.8	1.8	1.3	1.3	.1	(1)
	COMMUNICATION:										
481	Telephone communication	-	1.9	-	-	-	3.4	-	2.6	-	.4
482	Telegraph communication ²	-	2.6	-	-	-	3.9	-	2.6	-	.6

¹ Less than 0.05.

² Data relate to all employees except messengers.

p = preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3: Labor turnover rates in manufacturing, 1959 to date
seasonally adjusted

(Per 100 employees)												
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1959.....	4.0	4.3	4.6	4.3	4.1	4.2	4.1	4.0	3.8	4.2	4.2	5.6
1960.....	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.8	3.5	3.6	3.6
1961.....	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.1	3.8	4.3	4.3	4.1
1962.....	4.3	4.2	4.1	4.2	4.2	4.0	4.2	4.0	4.0	3.9	3.8	3.8
1963.....	3.8	3.9	3.8	4.1	3.8	3.8	3.9	3.8	3.9	3.9	3.6	4.0
1964.....	3.8	4.0	4.0	4.0	3.9	4.0	4.0	4.0	3.9	3.9	4.0	4.1
1965.....	4.0	4.1	4.3	4.1	4.1	4.3	4.1	4.3	4.5	4.4	4.8	4.9
1966.....	4.9	5.0	5.3	5.0	5.1	5.1	4.7	5.1	5.0	4.9	4.8	4.6
1967.....	4.6	4.3	4.2	4.2	4.6	4.4	4.4	4.4	4.3	4.5	4.5	4.4
1968.....	4.5	4.6	4.3	4.7	4.7	4.4	4.7	4.7	4.6	4.8	4.8	4.9
1969.....	4.9	4.7	4.8	4.9	4.8	4.9	4.7	4.5	4.8	4.7	4.4	4.6
1970.....	4.2	4.3	3.9	4.0	4.2	4.0	4.1	4.1	3.8	3.6 p		
New hires												
1959.....	2.4	2.6	2.9	2.8	2.7	2.7	2.6	2.6	2.6	2.4	2.4	2.7
1960.....	2.6	2.8	2.4	2.2	2.3	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961.....	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.5	2.5	2.5
1962.....	2.6	2.6	2.6	2.6	2.7	2.5	2.6	2.4	2.4	2.3	2.3	2.1
1963.....	2.3	2.2	2.4	2.5	2.4	2.4	2.4	2.4	2.5	2.4	2.2	2.5
1964.....	2.4	2.5	2.6	2.6	2.4	2.6	2.6	2.6	2.7	2.6	2.7	2.8
1965.....	2.8	3.0	3.3	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.5	3.7
1966.....	3.7	3.8	4.3	3.9	4.0	3.9	3.7	3.8	3.7	3.8	3.8	3.5
1967.....	3.5	3.3	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.4
1968.....	3.4	3.3	3.3	3.5	3.5	3.3	3.5	3.5	3.6	3.6	3.5	3.7
1969.....	3.8	3.7	3.9	3.8	3.7	3.8	3.8	3.5	3.8	3.6	3.4	3.5
1970.....	3.3	3.1	3.0	2.8	2.7	2.7	2.8	2.9	2.7	2.4 p		
Total separations												
1959.....	3.6	3.6	3.6	3.8	3.8	3.9	4.0	4.2	4.2	5.1	4.7	4.1
1960.....	3.5	4.1	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.3	4.5	5.0
1961.....	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.7	4.1	3.9	4.0	4.1
1962.....	3.9	4.0	4.0	3.9	4.2	4.2	4.2	4.4	3.9	4.1	4.1	3.9
1963.....	4.0	3.8	3.9	3.9	3.9	3.8	3.9	4.1	3.8	3.8	4.0	3.9
1964.....	4.0	4.0	3.9	3.8	3.9	3.9	4.1	3.6	3.9	4.0	3.8	3.9
1965.....	3.8	3.7	3.8	4.1	3.9	4.0	4.0	4.2	4.2	4.3	4.2	4.3
1966.....	4.1	4.3	4.6	4.7	4.7	4.9	4.9	4.7	4.9	4.5	4.7	4.5
1967.....	4.6	4.8	5.1	4.7	4.6	4.7	4.4	4.3	4.6	4.5	4.5	4.1
1968.....	4.6	4.7	4.6	4.5	4.6	4.5	4.6	4.9	4.6	4.7	4.6	4.1
1969.....	4.7	4.8	4.9	4.9	5.0	5.0	4.9	5.0	4.8	5.0	4.8	4.5
1970.....	5.0	5.1	5.0	5.2	5.0	4.8	4.9	4.5	4.4	5.0 p		
Quits												
1959.....	1.4	1.3	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
1960.....	1.5	1.6	1.5	1.5	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961.....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962.....	1.3	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963.....	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964.....	1.4	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.5	1.6
1965.....	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	2.0	2.0	2.1	2.2
1966.....	2.2	2.3	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.7
1967.....	2.5	2.4	2.4	2.3	2.3	2.4	2.2	2.3	2.3	2.3	2.4	2.4
1968.....	2.4	2.4	2.4	2.3	2.5	2.4	2.5	2.7	2.5	2.6	2.6	2.5
1969.....	2.7	2.7	2.7	2.7	2.8	2.8	2.7	2.8	2.6	2.7	2.6	2.5
1970.....	2.5	2.4	2.2	2.2	2.1	2.2	2.2	2.1	2.0	1.9 p		
Layoffs												
1959.....	1.8	1.7	1.7	1.7	1.6	1.7	1.9	2.0	2.0	2.9	2.5	1.9
1960.....	1.5	1.9	2.3	2.4	2.3	2.5	2.4	2.6	2.5	2.6	2.7	2.8
1961.....	2.7	3.0	2.5	2.1	2.2	2.3	2.2	2.0	2.2	1.9	1.9	2.0
1962.....	1.8	1.9	1.7	1.8	2.0	2.0	2.0	2.4	2.0	2.0	2.0	1.9
1963.....	1.9	1.8	1.9	1.8	1.8	1.7	1.7	2.0	1.9	1.8	1.8	1.7
1964.....	1.8	1.8	1.8	1.6	1.7	1.6	1.7	1.5	1.6	1.7	1.5	1.6
1965.....	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.3	1.4	1.4
1966.....	1.2	1.1	1.1	1.2	1.1	1.3	1.5	1.2	1.1	1.1	1.2	1.3
1967.....	1.3	1.4	1.7	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2
1968.....	1.3	1.3	1.2	1.2	1.2	1.1	1.3	1.4	1.2	1.2	1.1	1.1
1969.....	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.3	1.3	1.4
1970.....	1.5	1.7	1.8	2.0	1.9	1.9	1.6	1.8	1.9	2.2 p		

p = preliminary.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970
ALABAMA:										
Birmingham	2.6	3.0	1.9	2.3	3.6	3.9	1.9	1.8	0.9	1.3
Mobile	4.6	4.6	3.4	4.1	7.9	5.6	4.4	3.4	2.1	1.0
ALASKA	15.3	15.2	13.7	10.5	48.8	48.1	10.1	6.7	37.4	40.2
ARIZONA	5.5	5.2	3.9	4.0	6.4	6.3	3.2	3.3	1.8	1.6
Phoenix	5.1	4.6	3.6	3.5	6.2	5.7	2.9	2.9	2.0	1.5
ARKANSAS	6.9	6.9	5.9	5.3	7.6	8.5	5.4	6.1	1.2	1.8
Fort Smith	8.2	7.4	7.0	7.1	8.7	11.5	6.6	8.1	.6	2.5
Little Rock-North Little Rock	5.3	5.4	4.9	4.7	5.9	6.5	4.5	4.5	.6	.8
Pine Bluff	6.8	5.6	5.3	4.5	6.5	6.2	4.9	4.1	1.0	1.5
COLORADO	5.7	5.7	4.4	4.3	6.4	6.6	4.3	4.0	1.1	1.6
Denver	5.6	6.0	5.3	4.8	6.4	6.8	4.5	4.2	.7	1.4
CONNECTICUT	2.9	2.7	2.1	2.0	4.6	4.1	2.4	2.1	1.3	1.1
Hartford	1.8	1.7	1.3	1.1	3.6	3.4	1.9	1.9	.8	.6
DELAWARE ¹	2.7	8.9	1.5	1.9	3.4	9.5	2.0	2.0	.5	6.6
Wilmington	2.9	9.1	1.7	2.0	3.1	9.8	2.0	2.0	.3	6.9
DISTRICT OF COLUMBIA:										
Washington SMSA	2.7	2.3	2.7	2.2	3.1	3.2	2.4	2.6	.2	.2
FLORIDA	6.4	6.3	5.2	4.9	7.1	7.7	4.4	4.3	1.6	2.2
Fort Lauderdale-Hollywood	6.1	7.7	5.2	6.2	6.4	8.4	3.1	4.7	2.3	2.4
Jacksonville	4.9	6.0	4.5	5.6	6.1	6.7	4.4	5.0	.9	.7
Miami	6.2	5.7	5.3	4.7	7.3	7.1	3.9	3.9	2.7	2.1
Oriando	5.3	5.0	3.4	3.7	5.1	6.5	3.7	3.0	.8	2.6
Pensacola	1.1	1.0	1.1	.9	1.3	2.0	1.0	1.6	.1	(2)
Tampa-St. Petersburg	7.4	7.7	6.4	6.3	8.1	7.6	5.7	5.5	1.2	1.1
West Palm Beach	5.4	6.6	4.5	5.0	5.1	6.3	3.4	3.5	.4	1.2
GEORGIA	6.1	6.2	5.0	5.1	6.7	6.9	4.9	4.7	.7	1.1
Atlanta	4.8	5.9	4.1	4.6	5.9	6.9	4.2	4.2	.8	1.2
HAWAII ⁴	2.9	2.5	2.3	1.8	3.3	3.6	2.0	2.2	.6	.6
IDAHO ⁵	6.6	6.2	5.9	5.7	8.0	7.0	5.5	4.9	1.1	1.0
ILLINOIS:										
Chicago	4.6	4.5	3.9	3.8	5.8	5.6	3.7	3.2	.9	1.1
INDIANA ¹	3.6	4.3	2.5	2.5	5.2	4.7	2.7	2.2	1.5	1.6
Indianapolis	2.7	5.0	2.0	2.0	4.2	4.5	1.9	1.7	1.1	1.6
IOWA	3.7	5.6	2.8	3.7	5.6	5.1	2.9	3.1	2.0	1.2
Cedar Rapids	3.7	2.9	2.6	1.6	4.5	4.1	2.0	1.6	1.8	1.9
Des Moines	4.7	7.5	3.6	4.4	8.6	6.5	4.3	4.6	2.4	.5
KANSAS	3.2	4.2	2.5	3.1	5.1	6.4	2.2	3.7	2.0	2.0
Topeka	2.8	4.1	2.2	3.6	5.5	7.6	2.1	4.1	1.3	2.8
Wichita	2.4	2.4	1.6	1.6	4.6	5.3	1.5	1.9	2.7	2.7
KENTUCKY:										
Louisville	3.6	4.8	2.8	3.7	4.3	5.4	2.4	3.4	1.0	.8
	4.0	4.0	3.1	2.9	4.0	4.5	2.4	2.5	.4	1.0
LOUISIANA:										
New Orleans	6.2	5.6	4.5	3.6	7.6	5.9	3.3	2.6	2.4	1.8
MAINE	6.2	7.6	4.5	5.7	9.0	8.1	5.4	4.4	2.4	2.7
Portland	3.8	4.2	3.2	3.6	6.1	6.5	4.0	3.8	1.2	2.1
MARYLAND	3.7	5.7	3.0	3.1	5.7	4.8	2.8	2.5	1.9	1.2
Baltimore	3.7	6.2	2.8	2.9	5.2	4.9	3.0	2.5	1.3	1.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1970	Aug. 1970	Sept. 1970	Aug. 1970	Sept. 1970	Aug. 1970	Sept. 1970	Aug. 1970	Sept. 1970	Aug. 1970
MASSACHUSETTS.....	4.4	4.0	3.3	2.7	6.2	5.4	3.7	3.0	1.5	1.5
Boston.....	3.7	4.4	3.0	2.7	5.8	5.1	3.4	2.7	1.5	1.5
MICHIGAN.....	(*)	8.9	(*)	2.9	(*)	6.5	(*)	1.8	(*)	3.7
Detroit.....	5.8	7.6	2.8	3.0	5.2	5.8	2.2	1.8	1.5	2.8
MINNESOTA.....	4.7	5.9	3.4	4.6	7.9	6.0	4.4	3.4	2.4	1.7
Minneapolis-St. Paul.....	3.4	3.5	2.6	2.6	5.7	5.1	3.1	2.7	1.4	1.5
MISSISSIPPI:										
Jackson.....	6.3	8.4	5.3	6.2	5.8	5.5	4.6	4.3	.3	.2
MISSOURI.....	3.6	4.2	2.7	3.1	5.0	5.4	2.6	3.0	1.4	1.4
Kansas City.....	3.6	4.0	2.8	2.8	5.0	5.4	2.7	3.3	1.4	1.3
St. Louis.....	2.8	2.9	2.0	2.2	4.5	4.5	2.1	2.0	1.4	1.4
MONTANA.....	5.4	4.6	4.9	4.3	8.4	5.6	5.8	3.8	1.5	.8
NEBRASKA.....	5.1	4.9	4.5	4.4	6.4	6.2	4.8	4.7	.7	.5
NEVADA.....	4.6	6.1	4.0	5.1	7.4	7.4	4.5	3.6	1.3	2.1
NEW HAMPSHIRE.....	4.8	5.1	4.0	4.2	7.2	6.8	4.6	4.3	1.8	1.6
NEW JERSEY:										
Camden ⁷	(*)	5.0	(*)	4.1	(*)	4.6	(*)	2.7	(*)	.9
Jersey City.....	(*)	3.2	(*)	2.3	(*)	4.3	(*)	2.1	(*)	1.3
Newark.....	(*)	3.8	(*)	2.6	(*)	4.9	(*)	2.5	(*)	1.5
Paterson-Clifton-Passaic.....	(*)	5.1	(*)	3.5	(*)	5.5	(*)	3.0	(*)	1.4
Perth Amboy.....	(*)	4.0	(*)	2.5	(*)	4.8	(*)	3.1	(*)	.7
Trenton.....	(*)	4.2	(*)	2.2	(*)	4.0	(*)	2.4	(*)	1.0
NEW YORK.....	4.8	5.5	3.1	3.1	5.6	5.2	2.7	2.4	1.9	1.8
Albany-Schenectady-Troy.....	3.1	3.6	2.4	2.0	5.0	3.8	3.0	2.2	.9	.6
Binghamton.....	2.0	2.7	1.3	1.6	3.8	4.1	1.5	1.7	1.2	1.5
Buffalo.....	4.4	5.0	2.0	2.2	4.9	4.3	2.2	1.8	1.6	1.7
Elmira.....	3.9	7.1	3.4	3.3	5.2	4.6	3.0	2.5	.8	1.0
Monroe County ⁸	2.7	3.3	2.0	1.9	5.8	3.8	2.5	1.6	2.5	1.0
Nassau and Suffolk Counties ⁹	3.8	4.0	3.1	3.0	5.3	5.1	3.0	2.6	1.4	1.7
New York SMSA.....	5.4	6.8	3.5	3.7	5.8	5.6	2.6	2.5	2.1	2.0
New York City ⁹	5.2	7.5	3.7	4.0	6.0	5.7	2.5	2.4	2.3	2.1
Rochester.....	3.5	4.4	2.6	2.7	6.3	4.4	2.6	1.9	2.7	1.4
Syracuse.....	2.2	2.8	1.6	1.6	4.3	3.8	2.0	1.9	1.7	1.2
Utica-Rome.....	3.7	3.8	2.5	2.0	4.1	4.3	2.0	1.9	1.4	1.8
Westchester County ⁹	10.5	5.0	3.1	3.0	5.8	6.0	3.3	2.5	1.4	2.3
NORTH CAROLINA.....	5.7	5.5	4.7	4.7	6.0	5.9	4.6	4.6	.5	.4
Charlotte.....	7.1	6.1	6.6	5.7	6.6	6.1	5.2	5.0	.2	.2
Greensboro-Winston-Salem-High Point.....	5.1	4.9	4.3	4.2	5.3	5.4	4.2	4.4	.2	.1
NORTH DAKOTA.....	4.3	5.0	3.4	3.6	5.6	5.7	3.6	3.4	.9	1.0
Fargo-Moorhead.....	3.7	5.3	2.6	4.8	8.4	6.0	4.0	3.4	3.3	.9
OHIO.....	3.4	4.8	2.4	2.6	5.6	4.9	2.6	2.0	1.9	2.0
Akron.....	2.0	2.1	1.2	1.3	3.4	2.6	1.7	1.2	1.0	.7
Canton.....	3.4	4.2	2.3	2.2	5.7	4.1	2.4	1.8	1.9	1.2
Cincinnati.....	3.3	8.1	2.6	2.6	4.3	9.0	2.7	2.2	.8	5.8
Cleveland.....	3.0	3.2	2.4	2.2	5.0	4.3	2.6	2.1	1.5	1.1
Columbus.....	3.0	4.2	2.5	2.5	4.4	3.9	2.4	2.0	1.3	1.0
Dayton.....	2.7	5.0	1.9	1.9	7.7	3.4	2.1	1.5	4.1	1.1
Toledo.....	4.2	5.0	2.2	3.2	7.7	5.7	2.6	2.0	3.9	2.6
Youngstown-Warren.....	2.1	6.1	1.3	2.4	4.2	6.1	2.1	1.3	1.1	3.7
OKLAHOMA:										
Oklahoma City.....	8.3	8.1	7.1	7.1	8.0	7.2	5.4	5.4	1.0	1.0
Tulsa ¹⁰	6.2	6.3	5.9	5.5	7.5	8.7	4.0	5.8	1.9	1.4
OREGON ¹	4.4	4.7	3.6	3.9	6.0	4.9	3.7	2.6	1.4	1.5
Portland ¹	4.3	4.4	3.1	3.4	5.3	4.7	3.1	2.3	1.5	1.6

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970	Sept. 1970 P	Aug. 1970
PENNSYLVANIA:										
Allentown-Bethlehem-Easton	3.8	3.5	2.6	2.5	5.3	4.1	2.9	2.5	1.8	0.8
Altoona	5.8	6.6	4.2	2.8	6.4	3.9	3.8	2.3	2.1	1.3
Eric	4.7	5.9	3.5	4.4	6.0	5.8	3.5	3.4	1.5	1.0
Harrisburg	2.9	3.5	2.3	2.7	4.8	3.7	2.4	2.5	1.7	.6
Johnstown	1.8	2.6	.9	1.1	7.9	4.2	1.2	2.1	6.3	1.6
Lancaster	3.9	4.2	3.2	3.3	5.3	5.4	3.7	3.5	.8	1.2
Philadelphia	3.7	4.1	2.8	2.8	5.5	4.7	2.8	2.4	1.9	1.4
Pittsburgh	2.4	3.1	1.3	1.4	3.7	3.6	1.6	1.6	1.4	1.3
Reading	4.4	4.8	3.2	3.2	8.3	4.4	3.2	2.9	4.2	.7
Scranton	3.3	4.2	2.0	2.3	7.6	5.9	2.6	2.7	4.3	2.6
Wilkes-Barre-Hazleton	4.4	3.6	3.1	2.2	5.6	5.3	2.8	2.6	2.0	2.0
York	8.8	4.8	5.1	3.6	6.1	6.5	4.6	4.0	.9	1.7
RHODE ISLAND:										
Providence-Pawtucket-Warwick	7.7	5.9	5.1	4.3	7.6	7.5	4.3	3.4	2.3	3.1
	7.4	5.5	5.1	4.0	7.4	7.0	4.5	3.3	2.0	2.8
SOUTH CAROLINA:										
Greenville	5.5	6.2	4.7	5.1	6.7	7.2	4.8	5.4	.7	.6
SOUTH DAKOTA:										
Sioux Falls	4.3	3.9	2.6	2.7	5.3	5.5	3.3	3.2	1.4	1.7
	4.1	4.9	1.2	2.8	4.9	7.1	1.9	3.3	2.3	3.4
TENNESSEE:										
Memphis	6.8	5.8	5.6	4.8	5.8	6.1	3.5	3.3	1.2	1.4
TEXAS:										
Dallas	4.6	3.8	4.2	3.3	5.5	6.7	3.3	4.0	1.3	1.6
Fort Worth	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Houston	4.1	4.0	3.8	3.7	4.6	5.8	2.9	4.1	.6	.6
San Antonio	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
UTAH ⁵ :										
Salt Lake City ⁵	4.4	6.0	3.7	4.2	5.8	5.7	4.1	3.2	.8	1.7
	4.6	6.0	4.1	5.2	5.3	5.4	3.9	3.5	.6	1.2
VERMONT:										
Burlington	3.1	3.2	2.5	2.3	4.3	4.2	2.6	2.4	1.1	1.1
Springfield	2.0	2.1	1.6	1.7	3.6	3.2	2.5	2.3	.6	.4
	3.0	3.9	2.2	1.1	3.3	2.9	1.5	1.4	1.4	.7
VIRGINIA:										
Richmond	5.0	4.8	3.7	3.3	5.0	4.8	3.6	3.5	.6	.6
	4.5	4.6	3.5	3.8	4.6	4.7	3.3	3.3	.4	.5
WASHINGTON:										
Seattle-Everett ¹¹	2.4	2.1	1.6	1.4	4.7	5.3	1.9	1.5	2.2	3.3
WEST VIRGINIA:										
Charleston . . . . .	.9	.8	.7	.7	2.1	1.9	1.3	1.0	.4	.4
WISCONSIN:										
Milwaukee	4.0	5.8	2.8	4.2	7.3	5.0	3.6	3.0	2.7	1.1
	3.6	3.7	2.7	2.6	6.4	4.7	3.1	2.5	2.3	1.1
WYOMING:										
	6.0	7.3	5.0	6.4	7.1	7.7	4.5	5.0	1.2	1.5

¹ Excludes canning and preserving.

² Less than 0.05.

³ Excludes agricultural chemicals and miscellaneous manufacturing.

⁴ Excludes canned fruits, vegetables, preserves, jams and jellies.

⁵ Excludes canning and preserving, and sugar.

⁶ Excludes canning and preserving, and newspapers.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁸ Subarea of Rochester Standard Metropolitan Statistical Area.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Excludes new-hire rate for transportation equipment.

¹¹ 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	137					
Job vacancy rates ¹													
1969-----	-	-	-	1.4	1.4	1.2	1.3	1.5	1.4	1.2	1.0	0.9	1.3
1970-----	0.9	0.8	0.8	0.8	.8	.6	.6	.7					
Number of long-term job vacancies ² (In thousands)													
1969-----	-	-	-	137	131	110	109	121	127	111	101	90	120
1970-----	76	69	67	60	58	45	44	43					
Long-term job vacancy rates ²													
1969-----	-	-	-	0.7	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.6
1970-----	0.4	0.3	0.3	.3	.3	.2	.2	.2					

¹ Computed by dividing the number of vacancies by the sum of employment plus vacancies and multiplying that quotient by 100.
² Long-term job vacancies are those vacancies that have remained unfiled 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				
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
Job vacancy rates ¹													
Manufacturing	0.6	0.7	0.6	0.6	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.2	1.4
Durable goods . . . . .	.5	.6	.6	.6	.7	.7	.8	.9	1.0	1.0	1.1	1.2	1.5
Nondurable goods . . . . .	.7	.8	.7	.7	.9	.9	.9	.8	.9	.9	1.0	1.1	1.2
Selected durable goods industries:													
Primary metal industries . . . . .	.4	.6	.4	.5	.6	.7	.6	.6	.8	.7	.9	1.2	1.5
Machinery, except electrical . . . . .	.5	.6	.5	.6	.8	.9	1.0	1.0	1.2	1.1	1.4	1.6	1.8
Electrical equipment and supplies . . . . .	.6	.7	.6	.6	.8	.8	.9	1.1	1.1	1.2	1.2	1.5	1.8
Transportation equipment . . . . .	.4	.6	.5	.5	.6	.5	.7	.6	.8	.8	.8	1.0	1.2
Instruments and related products . . . . .	.7	.7	.6	.7	1.1	1.4	1.7	1.7	1.6	1.4	1.6	1.9	2.3
Selected nondurable goods industries:													
Textile mill products	1.0	1.0	.9	.8	1.1	1.1	1.0	.9	.9	.9	1.0	1.2	1.4
Apparel and other textile products	1.4	1.5	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.5	1.6	1.8	1.9
Printing and publishing . . . . .	.5	.6	.5	.5	.6	.7	.7	.7	.8	.8	.9	.9	1.1
Chemicals and allied products . . . . .	.6	.6	.6	.7	.8	.8	1.0	.9	.9	.8	.9	1.0	1.1
Long-term job vacancy rates ²													
Manufacturing	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6
Durable goods . . . . .	.2	.2	.2	.2	.2	.3	.3	.3	.4	.4	.5	.5	.6
Nondurable goods . . . . .	.2	.3	.3	.3	.3	.3	.3	.4	.4	.4	.5	.5	.6
Selected durable goods industries:													
Primary metal industries . . . . .	.1	.1	.2	.1	.2	.3	.2	.2	.3	.3	.5	.6	.7
Machinery, except electrical . . . . .	.2	.2	.2	.2	.3	.4	.4	.5	.5	.6	.7	.8	.8
Electrical equipment and supplies . . . . .	.1	.2	.1	.1	.2	.2	.3	.3	.4	.4	.5	.5	.6
Transportation equipment . . . . .	.1	.2	.2	.1	.2	.2	.3	.2	.3	.4	.4	.5	.5
Instruments and related products . . . . .	.1	.2	.2	.2	.4	.6	.9	.8	.6	.6	.7	.7	.8
Selected nondurable goods industries:													
Textile mill products . . . . .	.2	.2	.2	.2	.3	.3	.3	.3	.3	.4	.4	.4	.5
Apparel and other textile products . . . . .	.7	.8	.7	.8	.8	.8	.8	.8	.8	.9	1.0	1.1	1.2
Printing and publishing . . . . .	.1	.1	.1	.1	.2	.2	.3	.2	.3	.3	.3	.3	.5
Chemicals and allied products . . . . .	.2	.2	.3	.3	.4	.4	.4	.3	.4	.4	.5	.5	.6
Long-term job vacancies as a percent of job vacancies ³													
Manufacturing	32	31	35	36	37	38	40	41	41	48	49	46	44
Durable goods	30	30	33	33	35	37	40	40	41	48	49	44	43
Nondurable goods	34	33	38	40	39	39	41	42	41	49	48	48	45
Selected durable goods industries:													
Primary metal industries	31	27	36	29	39	37	39	41	40	45	49	49	50
Machinery, except electrical	38	37	42	38	42	42	46	47	46	54	52	48	47
Electrical equipment and supplies	24	25	22	22	27	28	30	32	36	42	42	35	37
Transportation equipment	31	32	37	30	28	41	39	37	38	52	55	47	42
Instruments and related products	20	24	23	34	39	41	51	49	36	42	43	36	34
Selected nondurable goods industries:													
Textile mill products	22	21	24	29	28	26	29	31	30	43	40	36	37
Apparel and other textile products	51	50	52	55	53	54	54	52	52	62	61	60	61
Printing and publishing	22	21	27	32	30	33	38	36	35	38	40	37	40
Chemicals and allied products	38	31	45	43	48	49	42	40	48	52	56	55	52

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Percentages are computed using unrounded rates.

ESTABLISHMENT DATA NATIONAL AND AREA JOB VACANCY

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

Industry division and group	1970									1969			
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.
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	48.8	51.5	51.0	52.1	53.7	54.8	56.9	58.9	60.3	61.0	60.4	62.5	63.2
Primary metal industries	5.0	5.5	4.5	5.3	5.6	6.2	4.6	4.4	5.6	5.3	6.2	7.0	7.0
Machinery, except electrical	8.5	8.1	8.4	10.5	10.6	11.3	12.2	12.6	12.9	12.6	13.3	13.3	12.7
Electrical equipment and supplies	9.3	9.8	10.0	9.1	9.7	10.0	10.9	12.5	12.1	13.4	12.0	13.0	12.9
Transportation equipment	5.9	7.2	6.6	7.0	7.2	6.3	8.3	7.1	8.5	8.4	7.9	8.7	9.0
Instruments and related products	2.5	2.4	2.4	2.6	3.6	4.4	5.0	4.9	4.1	3.6	3.7	3.8	3.8
Other durable goods industries	17.5	18.6	19.3	17.6	16.9	16.5	15.8	17.4	17.2	17.6	17.3	16.7	17.7
Nondurable goods	51.2	48.5	49.0	47.9	46.3	45.2	43.1	41.1	39.7	39.0	39.6	37.5	36.8
Textile mill products	8.1	7.1	6.9	6.7	6.8	7.0	6.0	5.1	4.5	4.7	4.7	4.9	4.8
Apparel and other textile products	16.3	15.7	15.0	16.6	14.3	13.2	13.4	13.6	12.1	11.6	11.1	10.7	9.6
Printing and publishing	4.6	5.1	4.4	4.3	4.4	5.0	4.7	4.5	5.1	4.8	4.6	4.1	4.4
Chemicals and allied products	5.2	4.9	5.3	6.0	5.4	5.6	5.9	5.6	5.2	4.5	4.4	4.3	3.9
Other nondurable goods industries	17.0	15.7	17.4	14.3	15.3	14.4	13.2	12.2	12.9	13.3	14.9	13.5	14.0

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

Areas	Job vacancy rates				Areas	Job vacancy rates			
	Total ¹		Long-term ²			Total ¹		Long-term ²	
	Sept. 1970 ^P	Aug. 1970	Sept. 1970 ^P	Aug. 1970		Sept. 1970 ^P	Aug. 1970	Sept. 1970 ^P	Aug. 1970
United States ³	0.6	0.7	0.2	0.2	Areas—Continued				
Albany-Schenectady-Troy, N.Y. ....	.8	.7	.2	.3	Minneapolis-St. Paul, Minn.	0.3	0.5	0.1	0.1
Atlanta, Ga. ....	.5	.6	.1	.1	New Orleans, La. ....	.6	.5	.4	.4
Baltimore, Md. ....	.7	1.0	.2	.2	Newark, N.J. ....	.5	.7	.2	.1
Boston, Mass.	1.0	1.2	.3	.5	New York, N.Y. ....	.6	.7	.2	.3
Buffalo, N.Y. ....	.3	.7	.1	.2	Oklahoma City, Okla. ....	.5	1.4	.1	.1
Cedar Rapids, Iowa. ....	.9	.7	*	*	Paterson-Clifton-Passaic, N.J. ....	.5	.6	.2	.2
Dallas, Tex. ....	.4	.5	.1	.2	Perth Amboy, N.J. ....	.8	1.1	.4	.4
Denver, Colo. ....	.4	.4	.2	.2	Philadelphia, Pa. ....	.6	.7	.2	.2
Des Moines, Iowa. ....	.3	.5	.2	.1	Phoenix, Ariz. ....	.7	.7	.2	.3
Detroit, Mich. ....	.2	.7	*	.2	Portland, Ore. ....	.4	.5	.1	*
Greensboro-Winston-Salem-High Point, N.C.	1.2	1.4	.3	.3	Providence-Pawtucket-Warwick, R.I. ....	.9	.9	.3	.2
Houston, Tex. ....	.8	.8	.4	.4	Richmond, Va. ....	.9	.9	.4	.4
Jersey City, N.J. ....	.3	.3	*	*	Salt Lake City, Utah. ....	.4	.6	.1	*
Kansas City, Mo. ....	.3	.4	.1	.1	St. Louis, Mo. ....	.3	.3	*	.1
Little Rock-North Little Rock, Ark.	1.0	.7	.4	.2	Syracuse, N.Y. ....	.2	.2	.1	.1
Miami, Fla.	1.0	.8	.2	.2	Tampa-St. Petersburg, Fla. ....	.8	1.2	.2	.3
Milwaukee, Wis. ....	.4	.6	.2	.2	Wichita, Kans. ....	.3	.2	.1	.1

¹ See footnote 1, table E-1.

² See footnote 2, table E-1.

³ Based on a nationwide sample which includes metropolitan areas not shown in the table as well as nonmetropolitan areas.

^P preliminary.

* Less than 0.05.

Source: Cooperating State agencies listed on inside back cover.

UNEMPLOYMENT INSURANCE DATA

F-1: Insured unemployment under State programs

(Week including the 12th of the month)

State	Number (in thousands)					Rate (percent of average covered employment)		
	Nov. 1970	Oct. 1970	Nov. 1969	Change to Nov. 1970 from ¹		Nov. 1970	Oct. 1970	Nov. 1969
				Oct. 1970	Nov. 1969			
TOTAL ²	2,008.5	**1,727.6	1,007.2	+280.9	+1,001.3	3.7	3.2	1.9
SEASONALLY ADJUSTED	2,424.7	**2,348.4	1,212.6	+ 76.3	+1,212.1	4.5	4.4	2.3
Alabama	25.1	21.8	12.6	+3.3	+12.5	3.5	3.1	1.9
Alaska	4.9	3.1	3.6	+1.8	+1.3	9.1	5.7	7.6
Arizona	10.6	9.8	4.7	+8	+6.0	2.8	2.6	1.4
Arkansas	15.7	12.5	9.8	+3.2	+5.9	3.9	3.1	2.5
California*	302.8	264.4	172.2	+38.3	+130.5	5.7	5.0	3.4
Colorado	6.5	5.1	3.5	+1.4	+3.0	1.3	1.0	.8
Connecticut	54.3	46.7	20.1	+7.5	+34.1	5.3	4.6	2.1
Delaware	4.1	3.6	1.9	+5	+2.2	2.4	2.1	1.2
District of Columbia	5.7	5.1	3.4	+5	+2.2	1.6	1.5	1.0
Florida	36.4	36.3	18.8	+1	+17.6	2.4	2.4	1.4
Georgia	20.0	19.1	9.7	+9	+10.3	1.8	1.7	.9
Hawaii	8.4	7.8	4.5	+6	+ 3.9	3.4	3.2	2.0
Idaho	4.4	3.0	2.7	+1.4	+1.7	2.9	2.0	1.8
Illinois	85.1	66.4	38.4	+18.6	+46.7	2.6	2.0	1.2
Indiana	46.1	40.1	13.3	+6.1	+32.8	3.2	2.8	1.0
Iowa	12.0	9.9	5.7	+2.1	+6.3	2.1	1.7	1.0
Kansas	16.8	15.2	5.6	+1.6	+11.2	3.8	3.4	1.3
Kentucky	17.9	15.3	11.2	+2.7	+6.7	2.9	2.5	1.9
Louisiana	25.2	23.2	17.2	+2.0	+8.1	3.5	3.2	2.4
Maine	11.4	9.3	7.5	+2.1	+3.9	5.1	4.1	3.4
Maryland	22.8	19.9	11.3	+2.9	+11.5	2.4	2.1	1.2
Massachusetts	85.8	**75.2	46.9	+10.7	+39.0	4.9	**4.3	2.7
Michigan	143.8	114.1	39.2	+29.7	+104.6	5.8	4.6	1.6
Minnesota	26.6	18.8	8.1	+7.8	+18.5	2.7	1.9	.9
Mississippi	8.3	7.0	6.0	+1.3	+2.3	2.1	1.8	1.6
Missouri	41.3	34.1	20.9	+7.2	+20.4	3.4	2.8	1.8
Montana	3.9	2.6	2.7	+1.3	+1.1	3.1	2.0	2.2
Nebraska	5.0	4.2	2.2	+8	+2.8	1.6	1.4	.8
Nevada	6.4	5.4	3.8	+1.1	+2.7	4.1	3.4	2.7
New Hampshire	6.4	5.3	2.1	+1.1	+4.4	3.2	2.7	1.1
New Jersey	88.1	82.9	54.0	+5.3	+34.2	4.3	4.0	2.8
New Mexico	7.9	7.3	4.6	+6	+3.3	4.3	3.9	2.6
New York	242.5	204.3	127.0	+38.2	+115.5	4.2	3.6	2.3
North Carolina	30.3	24.9	15.7	+5.5	+14.7	2.3	1.9	1.2
North Dakota	1.6	.8	.9	+8	+7	1.9	.9	1.1
Ohio	93.6	72.0	28.6	+21.6	+64.9	3.1	2.4	1.0
Oklahoma	16.5	15.3	9.8	+1.3	+6.8	3.4	3.1	2.1
Oregon	27.2	20.3	17.9	+6.9	+9.3	5.0	3.7	3.4
Pennsylvania	120.6	110.1	58.1	+10.5	+62.4	3.5	3.2	1.7
Puerto Rico ²	58.9	57.6	46.3	+1.3	+12.6	8.9	8.7	7.6
Rhode Island	12.5	11.8	7.7	+8	+4.9	4.4	4.2	2.7
South Carolina	18.9	16.4	10.3	+2.5	+8.6	3.0	2.6	1.7
South Dakota	1.6	1.0	.9	+6	+7	1.7	1.1	1.0
Tennessee	32.8	29.8	19.6	+3.0	+13.2	3.4	3.1	2.1
Texas	43.9	40.0	20.8	+3.9	+23.1	1.7	1.5	.8
Utah	7.4	5.8	5.1	+1.6	+2.2	3.2	2.5	2.4
Vermont	4.2	3.1	1.7	+1.1	+2.5	4.1	3.0	1.8
Virginia	8.1	9.3	5.3	-1.2	+2.8	.8	.9	.5
Washington	75.9	71.9	39.8	+4.1	+36.1	9.2	8.7	4.9
West Virginia	11.5	7.9	7.3	+3.6	+4.2	3.2	2.2	2.1
Wisconsin	39.9	30.3	15.8	+9.5	+24.1	3.5	2.6	1.4
Wyoming	.9	.6	.7	+3	+2	1.2	.8	1.0

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

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

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

**Revised.

F-2: Insured unemployment¹ in 150 major labor areas²

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

State and area	Nov. 1970	Nov. 1969	State and area	Nov. 1970	Nov. 1969	State and area	Nov. 1970	Nov. 1969	State and area	Nov. 1970	Nov. 1969
ALABAMA			INDIANA			NEW HAMPSHIRE			Pennsylvania--		
Birmingham.....	6.0	3.1	Evansville.....	1.8	0.8	Manchester.....	0.9	0.7	continued		
Mobile.....	2.3	1.5	Ft. Wayne.....	2.2	.4				York.....	2.3	.8
			Gary-Hammond..	4.1	1.3						
ARIZONA			Indianapolis....	8.1	2.4	NEW JERSEY			PUERTO RICO*		
Phoenix.....	7.8	2.7	South Bend.....	3.0	1.0	Atlantic City....	3.4	2.7	Mayaguez.....	1.8	1.8
			Terre Haute.....	1.2	.4	Jersey City.....	11.7	7.7	Ponce.....	2.1	2.5
						Newark.....	23.8	13.0	San Juan.....	6.6	4.4
ARKANSAS			IOWA			New Brunswick..	9.5	4.7			
Little Rock.....	1.6	.7	Cedar Rapids....	1.1	.2	Paterson.....	18.8	11.0			
			Des Moines.....	1.2	.7	Trenton.....	2.2	1.3			
CALIFORNIA			KANSAS			NEW MEXICO			RHODE ISLAND		
Anaheim-S. Ana-			Wichita.....	7.7	1.9	Albuquerque....	3.1	1.9	Providence.....	15.2	8.2
Garden Grove..	22.4	10.4									
Fresno.....	5.2	3.7	KENTUCKY			NEW YORK			SOUTH CAROLINA		
Los Angeles....	133.5	68.8	Louisville.....	5.7	2.3	Albany.....	4.9	3.0	Charleston.....	1.5	.9
Sacramento.....	10.5	8.0				Binghamton....	3.1	1.3	Greenville.....	2.2	1.1
San Bernardino..	14.4	8.4	LOUISIANA			Buffalo.....	35.6	6.7			
San Diego.....	19.1	9.0	Baton Rouge....	2.0	1.3	New York.....	151.1	92.9			
San Francisco...	46.6	28.4	New Orleans....	8.3	5.4	Rochester.....	13.8	2.7	TENNESSEE		
San Jose.....	17.0	8.6	Shreveport.....	2.2	1.1	Syracuse.....	7.9	3.3	Chattanooga....	2.2	1.7
Stockton.....	6.1	4.6				Utica.....	4.5	2.7	Knoxville.....	3.6	2.3
			MAINE			NORTH CAROLINA			Memphis.....	3.6	2.7
COLORADO			Portland.....	1.3	.6	Asheville.....	1.1	.8	Nashville.....	3.7	1.5
Denver.....	4.0	1.8	MARYLAND			Charlotte.....	2.0	1.0			
			Baltimore.....	15.0	7.4	Durham.....	.9	.6	TEXAS		
CONNECTICUT			MASSACHUSETTS			Greensboro-			Austin.....	.7	.4
Bridgeport.....	9.3	3.1	Boston.....	37.1	19.2	Winston-Salem..	3.3	1.5	Beaumont.....	2.5	1.4
Hartford.....	8.8	3.4	Brockton.....	2.7	1.4				Corpus Christi..	1.5	.7
New Britain.....	3.2	1.2	Fall River.....	3.3	3.3	OHIO			Dallas.....	9.6	1.7
New Haven.....	5.9	2.5	Lawrence.....	6.4	3.5	Akron.....	4.9	1.5	El Paso.....	2.0	1.8
Stamford.....	2.5	1.0	Lowell.....	3.9	2.0	Canton.....	4.1	.9	Ft. Worth.....	4.6	1.0
Waterbury.....	6.3	2.4	New Bedford....	5.5	3.4	Cincinnati.....	8.8	5.7	Houston.....	5.0	1.9
			Springfield....	8.7	4.5	Cleveland.....	19.1	4.0	San Antonio....	3.0	1.6
DELAWARE			Worcester.....	4.7	2.5	Columbus.....	3.9	2.2			
Wilmington.....	3.9	1.9				Dayton.....	9.0	1.4	UTAH		
			MICHIGAN			Hamilton.....	2.0	.8	Salt Lake City..	4.1	2.8
DIST. OF COL.			Battle Creek....	2.8	.9	Lorain.....	2.0	.7			
Washington.....	9.9	5.8	Detroit.....	68.0	16.7	Stuebenville...	.8	.4	VIRGINIA		
			Flint.....	10.4	2.4	Toledo.....	6.7	1.3	Hampton.....	1.0	.7
FLORIDA			Grand Rapids...	7.5	3.0	Youngstown....	9.2	1.0	Norfolk.....	1.8	.9
Jacksonville....	1.0	.7	Kalamazoo.....	3.0	.6				Richmond.....	.7	.3
Miami.....	12.0	6.2	Lansing.....	4.9	1.1	OKLAHOMA			Roanoke.....	.5	.1
Tampa.....	5.3	2.5	Muskegon.....	3.7	.8	Oklahoma City..	2.9	1.5			
			Saginaw.....	6.7	.5	Tulsa.....	3.8	2.1	WASHINGTON		
GEORGIA						OREGON			Seattle.....	45.4	18.0
Atlanta.....	6.5	2.4	MINNESOTA			Portland.....	13.7	7.6	Spokane.....	5.0	2.8
Augusta.....	1.7	.7	Duluth.....	1.6	.9				Tacoma.....	7.8	4.4
Columbus.....	1.4	.6	Minneapolis....	15.0	2.2	PENNSYLVANIA					
Macon.....	1.0	.5				Allentown.....	4.6	2.3	WEST VIRGINIA		
Savannah.....	1.2	.4	MISSISSIPPI			Altoona.....	1.6	.9	Charleston.....	1.1	1.0
			Jackson.....	.7	.4	Erie.....	2.1	.7	Huntington.....	2.0	1.7
HAWAII						Harrisburg.....	2.2	1.2	Wheeling.....	1.2	.8
Honolulu.....	6.2	3.3	MISSOURI			Johnstown.....	4.5	1.9			
			Kansas City....	8.8	4.3	Lancaster.....	1.5	.7	WISCONSIN		
ILLINOIS			St. Louis.....	26.6	12.2	Philadelphia...	49.3	23.1	Kenosha.....	.7	.5
Chicago.....	44.6	18.9				Pittsburgh.....	24.2	10.6	Madison.....	1.1	.5
Davenport.....	3.6	3.0	NEBRASKA			Reading.....	2.8	.9	Milwaukee.....	15.8	4.9
Peoria.....	1.7	.9	Omaha.....	2.5	1.2	Scranton.....	4.5	2.9	Racine.....	2.3	.6
Rockford.....	3.3	1.0				Wilkes-Barre...	5.6	4.5			

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

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

Technical Note

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, color, marital status, occupations, hours of work, and duration of unemployment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 50,000 households, representing 449 areas in 863 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

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

Relation between the household and establishment series

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows:

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

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

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

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

Hours of Work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

Comparability of the household interview data with other series

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Manpower Administration of the Department of Labor, exclude persons who have exhausted their benefit

rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, State and local government, domestic service, self-employment, unpaid family work, nonprofit organizations, and firms below a minimum size).

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

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they worked on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

Comparability of the payroll employment data with other series

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of

business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes contract construction, professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

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

Employment covered by State unemployment insurance programs. Not all nonagricultural wage and salary workers are covered by the unemployment insurance programs. All workers in certain activities, such as interstate railroads, are excluded. In addition, small firms in covered industries are also excluded in 28 States (as of January 1, 1970). In general, these are establishments with less than four employees.

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

Labor Force Data

COLLECTION AND COVERAGE

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

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population 16 years and over. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown

in this report. Data on members of the Armed Forces, who are included as part of the categories “total noninstitutional population” and “total labor force,” are obtained from the Department of Defense.

Each month, 50,000 occupied units are designated for interview. About 2,250 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4.5 percent. In addition to the 50,000 occupied units, there are 8,500 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year ago.

CONCEPTS

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their

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

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

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

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

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

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

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

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

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

Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published: the total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population, and the civilian labor force participation rate, which is the ratio of civilian labor force and civilian

noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as color and educational attainment.

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

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

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their latest full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1960 Census of Population. Information on the detailed categories included in these groups is available upon request.

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

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

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

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

Persons who worked 35 hours or more in the survey week are designated as working "full time"; persons who worked between 1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job

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

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

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

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

ESTIMATING METHODS

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

1. **Noninterview adjustment.** The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability for other reasons. This adjustment is made separately by groups of sample areas and, within these, for six groups—color (white and Negro and other races) within the three residence categories (urban, rural nonfarm, and rural farm). The proportion of sample households not interviewed varies from 4 to 6 percent depending on weather, vacations, etc.

2. **Ratio estimates.** The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, color, sex, and residence. Since these population characteristics

are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. **First-stage ratio estimate.** This is a procedure in which the sample proportions are weighted by the known 1960 Census data on the color-residence distribution of the population. This step takes into account the differences existing at the time of the 1960 Census between the color-residence distribution for the Nation and for the sample areas.

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

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

Rounding of Estimates

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

Reliability of the Estimates

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

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

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

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

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific

Table A. Average standard error of major employment status categories

(In thousands)

Employment status and sex	Average standard error of--	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force and total employment	190	145
Agriculture	120	100
Nonagricultural employment	200	150
Unemployment	75	80
MALE		
Labor force and total employment	100	75
Agriculture	95	80
Nonagricultural employment	120	95
Unemployment	60	60
FEMALE		
Labor force and total employment	150	115
Agriculture	50	40
Nonagricultural employment	150	115
Unemployment	50	55

Table B. Standard error of level of monthly estimates
(In thousands)

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

month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find

the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration: Assume that the tables showed the total number 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, mechanic's, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical work-

ers, repairmen, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aids, teachers, draftsmen, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, linemen, laborers, janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

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

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

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

Gross Average Hourly and Weekly Earnings

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

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

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek, part-time work, stoppages for varying causes, labor turnover, and absenteeism.

Average Weekly Hours

The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average Overtime Hours

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

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

Hours and Earnings for Total Private Nonagricultural Industries

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

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

Railroad Hours and Earnings

The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group 1) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable Average Weekly Earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from gross weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker and his marital status, as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (1957-59).

Average Hourly Earnings Excluding Overtime

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

Indexes of Aggregate Weekly Payrolls and Man-Hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1957-59 period. The man-hour aggregates are the product of average weekly hours and production-worker employment, and the payroll aggregates are the product of gross average weekly earnings and production-worker employment.

Labor Turnover

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

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

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

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from another establishment of the company.

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

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

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

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

Relationship of Labor Turnover to Employment Series

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

Job Vacancies

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

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

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

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

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

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

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

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

ESTIMATING METHODS

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

The "Link Relative" Technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described later in table K, Summary of Methods for Computing Industry Statistics on Employment, Hours, Earnings, Job Vacancies, and Labor Turnover. Further details are given in the technical notes—Chapter 2, Employment, Hours and Earnings, and Chapter 3, Labor Turnover, reprinted from the *Handbook of Methods for Surveys and Studies*, BLS Bulletin 1458—which are available upon request.

Size and Regional Stratification

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

Benchmark Adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1969 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies

from reports of establishments covered under State unemployment insurance laws. These tabulations, covering three-fourths of the total nonagricultural employment in the United States, are prepared under the direction of the Manpower Administration. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

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

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

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

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

THE SAMPLE

Design

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

cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

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

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

Coverage

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

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

Reliability of the Employment Estimates

The estimates derived from the establishment survey may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures. The relatively large size of the BLS establishment sample assures a high degree of accuracy. However, since the link relative technique requires the use of the previous month's estimate as the base in computing the current month's estimate, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are adjusted annually to new benchmarks. In addition to the sampling

Table F. Approximate size and coverage of BLS employment and payrolls sample, March 1969¹

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

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

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

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

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

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

and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences, generally minor, arises from improvements in the quality of the benchmark data. (A detailed description of the March 1969 benchmark is available from the Bureau upon request.)

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

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

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

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

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

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

¹ Assuming 12-month intervals between benchmark revisions.

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

Table I. Errors of preliminary employment estimates

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

Reliability of Job Vacancy Estimates

As with the employment estimates, the estimates derived from the job vacancy survey may differ from the figures that

would have been obtained if it were possible to take a complete census using the same schedules and procedures.

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

Table J. Relative errors of estimates of job vacancy data

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

¹ Expressed as a percent of the estimate.

STATISTICS FOR STATES AND AREAS

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

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

Unemployment Insurance Data

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

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

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

Seasonal Adjustments

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

The seasonal adjustment method used for these series is an adaptation of the standard ratio-to-moving average method, with a provision for “moving” adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the booklet, *The BLS Seasonal Factor Method* (1966), which may be obtained from the Bureau on request.

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

major industries in manufacturing are obtained by multiplying average weekly hours, seasonally adjusted, by production workers, seasonally adjusted, and dividing by the 1957-59 base. For total, manufacturing, and durable and nondurable goods the indexes of aggregate weekly man-hours, seasonally adjusted, are obtained by summing the aggregate weekly man-hours, seasonally adjusted, for the appropriate component industries and dividing by the 1957-59 base.

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

The revised seasonally adjusted series for the establishment data reflect experience through February 1970. Seasonal factors to be used for current adjustment are shown in the June 1970 *Employment and Earnings*, and revisions will be made coincidental with the adjustment of series to new benchmark levels.

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

gated. The seasonally adjusted rate of unemployment is derived by dividing the seasonally adjusted figure for total unemployment (the sum of four seasonally adjusted age-sex components) by the figure for the seasonally adjusted civilian labor force (the sum of twelve seasonally adjusted age-sex components).

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1969 are published

in the February 1970 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

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

ATTENTION

As discussed in the Technical Note, the Bureau periodically adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours, earnings, job vacancy, and labor turnover series because employment levels are used as weights. Industry data for all national series shown in this report have been adjusted to March 1969 benchmarks. Data from April 1969 forward are subject to revision at the time of the next benchmark.

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

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

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

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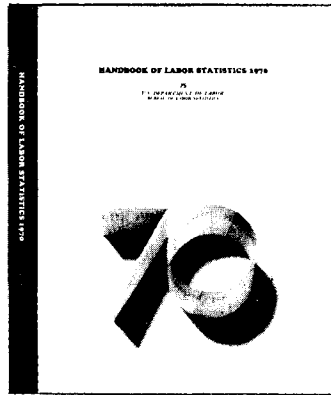
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III	DIST. OF COL.	- Manpower Training and Employment Services Administration for the District of Columbia, Washington 20212
IV	FLORIDA	- Department of Commerce, Tallahassee 32304
IV	GEORGIA	- Employment Security Agency, Department of Labor, Atlanta 30334
IX	HAWAII	- Department of Labor and Industrial Relations, Honolulu 96811
X	IDAHO	- Department of Employment, Boise 83707
V	ILLINOIS	- Division of Research and Statistics, Department of Labor, Chicago 60606
V	INDIANA	- Employment Security Division, Indianapolis 46204
VII	IOWA	- Employment Security Commission, Des Moines 50319
VII	KANSAS	- Employment Security Division, Department of Labor, Topeka 66603
IV	KENTUCKY	- Bureau of Employment Security, Department of Economic Security, Frankfort 40601
VI	LOUISIANA	- Department of Employment Security, Baton Rouge 70804
I	MAINE	- Employment Security Commission, Augusta 04330
III	MARYLAND	- Department of Employment Security, Baltimore 21201
I	MASSACHUSETTS	- Division of Statistics, Department of Labor and Industries, Boston 02202 (Employment). Division of Employment Security, Boston 02215 (Turnover).
V	MICHIGAN	- Employment Security Commission, Detroit 48202
V	MINNESOTA	- Department of Manpower Services, St. Paul 55101
IV	MISSISSIPPI	- Employment Security Commission, Jackson 39205
VII	MISSOURI	- Division of Employment Security, Jefferson City 65102
VIII	MONTANA	- Unemployment Compensation Commission, Helena 59601
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 43216
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).
IV	SOUTH CAROLINA	- Employment Security Commission, Columbia 29202
VIII	SOUTH DAKOTA	- Employment Security Department, Aberdeen 57401
IV	TENNESSEE	- Department of Employment Security, Nashville 37219
VI	TEXAS	- Employment Commission, Austin 78701
VIII	UTAH	- Department of Employment Security, Salt Lake City 84111
I	VERMONT	- Department of Employment Security, Montpelier 05602
III	VIRGINIA	- Division of Research and Statistics, Department of Labor and Industry, Richmond 23214 (Employment). Employment Commission, Richmond 23211 (Turnover).
X	WASHINGTON	- Employment Security Department, Olympia 98501
III	WEST VIRGINIA	- Department of Employment Security, Charleston 25305
V	WISCONSIN	- Department of Industry, Labor and Human Relations, Madison 53701
VIII	WYOMING	- Employment Security Commission, Casper 82601